

# 添付資料

## 【線源情報】

### 線源証明書

# NOMINAL SOURCE CERTIFICATE

**Customer:** Daiichi Clarity Company Limited  
**Purchase Order No.:** CA619  
**Model No.:** N-252  
**Catalog No.:** CF230140100U  
**Capsule Type:** A3014  
**Active Diameter/Mass:** 1.6 mm ( 0.062 ")  
**Cover:** Stainless steel  
**Backing:** Stainless steel

**Certificate Date:** 04-Oct-10  
**Quantity:** 1  
**SS&DR No.:** CA406S102S  
**ISO Classification:** ISO/99/C66535  
**Special Form No.:** USA/0351/S Rev 6  
**Nuclide Half Life:** 2.645 ± 0.008 years  
**Recommended Working Life:** 15 years

Nuclide	Source No.	Activity	Neutron Output [neutrons/second]	Reference Date
Cf-252	H4-694	100 µCi/3.7 MBq	4.24E+05	15-Oct-10

**Impurities:** See Technical Data sheet.

**Leak Test Information is on Reverse Side:**

**Remarks:**

- This document uses the numerical convention where 1.000 = 1 and 1,000 = 10<sup>3</sup>.
- Nuclear data was taken from "Table of Radioactive Isotopes", edited by Virginia Shirley, 1986.

\_\_\_\_\_  
 Name \_\_\_\_\_ Date 5 Oct 10

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**Medical Imaging Laboratory**  
24937 Avenue Tibbitts Valencia, California 91355

**Industrial Gauging Laboratory**  
1800 North Keystone Street Burbank, California 91504

## Cf-252 Technical data

The Cf-252 used to prepare your order was taken from Eckert & Ziegler Isotope Products Laboratories Lot #5343201 and it had the following composition as of 20 Sep 10.

<u>Nuclide</u>	<u>Mass %</u>	<u>Activity %</u>
Cf-249	9.013	0.0886
Cf-250	11.904	3.1129
Cf-251	3.956	0.0151
Cf-252	75.126	96.7830
Cf-254	0.00002	0.00044

The Cm-248 decay product was last separated on 17 Sep 09

Isotopic composition provided by Oak Ridge National Laboratory

If you have any questions, please contact Eckert & Ziegler  
Isotope Products Technical Service: 661-309-1010

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1800 North Keystone Street Burbank, California 91504



**Eckert & Ziegler**

Isotope Products

24937 Avenue Tibbitts  
Valencia, California 91355

Tel 661•309•1010  
Fax 661•257•8303

# NOMINAL SOURCE CERTIFICATE

**Customer:** Daiichi Clarity Company Ltd.

**Purchase Order No.:** CHN17

**Model No.:** N-252

**Catalog No.:** CF230140100U

**Capsule Type:** A3014

**Active Diameter:** 0.062" (1.57 mm)

**Cover:** Stainless Steel

**Backing:** Stainless Steel

**Certificate Date:** 02-Dec-11

**Quantity:** 1

**SS&DR No.:** CA0406S102S

**ISO/ANSI Classification:** ANSI 77C66535

**Special Form No.:** USA/0351/S-96 Rev 7

**Nuclide Half Life:** 2.645 ± 0.008 years

**Recommended Working Life:** 15 years

Nuclide	Source No.	Activity	Radiation Output	Reference Date
Cf-252	I7-106	100 µCi (3.7 MBq)	3.97 E+5 n/s	15-Jan-12

**Impurities:** See Technical Data sheet.

**Leak Test Information is on Reverse Side:**

- Remarks:**
- This document uses the numerical convention where 1.000 = 1 and 1,000 = 10<sup>3</sup>.
  - Nuclear data were taken from "Table of Radioactive Isotopes", edited by Virginia Shirley, 1986.
  - ANSI classification is equivalent to ISO2919.



8 Dec 11  
 Date

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**Industrial Gauging Laboratory**

1800 North Keystone Street Burbank, California 91504

## Cf-252 Technical data

The Cf-252 used to prepare your order was taken from Eckert & Ziegler Isotope Products Laboratories Lot #5688701 and it had the following composition as of 10 Nov 11.

<u>Nuclide</u>	<u>Mass %</u>	<u>Activity %</u>
Cf-249	11.256	0.103
Cf-250	14.028	3.513
Cf-251	4.94	0.0210
Cf-252	69.769	95.946
Cf-254	0.000002	0.00001

The Cm-248 decay product was last separated on 24 Jun 10

Isotopic composition provided by Oak Ridge National Laboratory

If you have any questions, please contact Eckert & Ziegler  
Isotope Products Technical Service: 661-309-1010

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# NOMINAL SOURCE CERTIFICATE

**Customer:** Daiichi Clarity Company Ltd.  
**Purchase Order No.:** CTD07  
**Model No.:** N-252  
**Catalog No.:** CF230140100U  
**Capsule Type:** A3014-01  
**Active Diameter:** 0.062" (1.57 mm)  
**Cover:** Stainless Steel  
**Backing:** Stainless Steel

**Certificate Date:** 26-Aug-13  
**Quantity:** 1  
**SS&DR No.:** CA0406S102S  
**ISO/ANSI Classification:** ANSI 77C66535  
**Special Form No.:** USA/0351/S-96 Rev 8  
**Nuclide Half Life:** 2.645 ± 0.008 years  
**Recommended Working Life:** 15 years

Nuclide	Source No.	Activity	Radiation Output	Reference Date
Cf-252	K7-436	100 µCi (3.7 MBq)	3.79 E+05 n/s	1-Oct-13

**Impurities:** See Technical Data sheet.

**Leak Test Information is on Reverse Side:**

**Remarks:**

- This document uses the numerical convention where 1.000 = 1 and 1,000 = 10<sup>3</sup>.
- Nuclear data were taken from "Table of Radioactive Isotopes", edited by Virginia Shirley, 1986.
- ANSI classification is equivalent to ISO2919.

Name

[Redacted]

4 Sep 13  
Date

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**Medical Imaging Laboratory**

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**Industrial Gauging Laboratory**

1800 North Keystone Street Burbank, California 91504



**Eckert & Ziegler**

**Isotope Products**

24937 Avenue Tibbitts  
Valencia, California 91355

Tel 661•309•1010

Fax 661•257•8303

### Cf-252 Technical data

The Cf-252 used to prepare your order of source with serial number K7-436 was taken from Eckert & Ziegler Isotope Products Laboratories Lot #5769305 and it had the following composition as of 22 Aug 13.

<u>Nuclide</u>	<u>Mass %</u>	<u>Activity %</u>
Cf-249	15.438	0.1844
Cf-250	17.567	5.5805
Cf-251	6.801	0.0315
Cf-252	60.194	94.2036

The Cm-248 decay product was last separated on 26 Sep 11

Isotopic composition provided by Oak Ridge National Laboratory

If you have any questions, please contact Eckert & Ziegler Isotope Products Technical Service: 661-309-1010



4 Sep 13  
date

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1800 North Keystone Street Burbank, California 91504



# NOMINAL SOURCE CERTIFICATE

**Customer:** Daiichi Clarity Company Ltd.  
**Purchase Order No.:** DC420  
**Model No.:** N-252  
**Catalog No.:** CF230140090U  
**Capsule Type:** A3014-01  
**Active Diameter:** 0.062" (1.57 mm)  
**Cover:** Stainless Steel  
**Backing:** Stainless Steel

**Certificate Date:** 2017-12-13  
**Quantity:** 1  
**SS&DR No.:** CA0406S102S  
**ISO/ANSI Classification:** ANSI 77C66535  
**Special Form No.:** USA/0351/S-96 Rev 9  
**Nuclide Half Life:** 2.645 ± 0.008 years  
**Recommended Working Life:** 15 years

Nuclide	Source No.	Activity	Radiation Output	Reference Date
Cf-252	Q2-334	90 µCi (3.33 MBq)	3.82 E+05 n/s	2018-02-01

**Impurities:** See Technical Data sheet.

**Leak Test Information is on Reverse Side:**

- Remarks:**
- This document uses the numerical convention where 1.000 = 1 and 1,000 = 10<sup>3</sup>.
  - This document uses the date convention YYYY-MM-DD in accordance with ISO 8601.
  - Nuclear data were taken from "Table of Radioactive Isotopes", edited by Virginia Shirley, 1986.
  - ANSI classification is equivalent to ISO2919.



2017-12-13  
 Name \_\_\_\_\_ Date \_\_\_\_\_

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**Industrial Gauging Laboratory**  
1800 North Keystone Street Burbank, California 91504



## Cf-252 Technical data

The Cf-252 used to prepare your order of source Q2-334 was taken from Eckert & Ziegler Isotope Products Laboratories Lot #5873415 and it had the following composition as of 2017-10-04.

<u>Nuclide</u>	<u>Mass %</u>	<u>Activity %</u>
Cf-249	20.977	0.3514
Cf-250	28.384	12.645
Cf-251	10.981	0.0712
Cf-252	39.658	86.932

The Cm-248 decay product was last separated on 2014-08-22

Isotopic composition provided by Oak Ridge National Laboratory

If you have any questions, please contact Eckert & Ziegler Isotope Products Technical Service: 661-309-1010


2017-12-13  
date

## CERTIFICATE OF CALIBRATION NEUTRON STANDARD SOURCE

<b>Radionuclide:</b> Cf-252	<b>Customer:</b> CANBERRA INDUSTRIES (CONNECTICUT)
<b>Half-life:</b> 2.645 ± 0.008 years	<b>P.O. No.:</b> 72021AA
<b>Catalog No.:</b> N-252	<b>Reference Date:</b> 15-Jun-01 12:00 PST
<b>Source No.:</b> WW-906	<b>Contained Radioactivity:</b> 55.38 μCi 2049 kBq

### Physical description:

A. Capsule type:	3014
B. Nature of active deposit:	Cf-252 in ceramic matrix
C. Active Diameter:	0.062" (1.6 mm)
D. Backing:	Stainless steel
E. Cover:	Stainless steel

### Radioimpurities:

See Technical Data Sheet

### Method of Calibration:

This source was assayed using a neutron counter against a standard of similar isotopic composition and geometric configuration.

### Uncertainty of Measurement:

A. Type A (random) uncertainty:	± 2.6 %
B. Type B (systematic) uncertainty:	± 3.6 %
C. Uncertainty in aliquot weighing:	± 0.0 %
D. Total uncertainty at the 99% confidence level:	± 4.4 %

### Notes:

- See reverse side for leak test(s) performed on this source.
- IPL participates in a NIST measurement assurance program to establish and maintain implicit traceability for a number of nuclides, based on the blind assay (and later NIST certification) of Standard Reference Materials (As in NRC Regulatory Guide 4.15).
- Nuclear data was taken from "Table of Radioactive Isotopes", edited by Virginia Shirley, 1986.
- This source has a working life of 5 years.
- This source has a neutron emission rate of 237,700 neutrons/second on 15 Jun 01.

  
31-May-01  
Date Signed

IPL Ref. No.: 781-8

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**Medical Imaging Laboratory**

24937 Avenue Tibbitts Valencia, California 91355

**Industrial Gauging Laboratory**

1800 North Keystone Street Burbank, California 91504

## 【AFAS 性能確認試験】

### (1) 2.1 長期管理限界の妥当性確認

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.04.22 09:53:39  
 Results file name: 94MJ5339.VER  
 Inspection number:  
 Item id: BWR BF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Database  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: AFAS BWR BOTTOM FORK Normalization

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.04.22  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.04.22

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 13  
 Count time (sec): 60

(1)

## Passive summed raw data

Shift register singles sum: 383200  
 Shift register reals + accidentals sum: 16365  
 Shift register accidentals sum: 12301  
 Shift register 1st scaler sum: 8560  
 Shift register 2nd scaler sum: 0

## Passive error messages

No known alpha calibration

## Results

Singles: 491.282 +- 0.747  
 Doubles: 5.210 +- 0.258  
 Triples: 0.000 +- 0.000  
 Scaler 1: 10.974 +- 0.100  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	29438	1261	926	643	0	Pass
2	29155	1228	895	635	0	Pass
3	29635	1258	1009	715	0	Pass
4	29568	1291	945	646	0	Pass
5	29560	1225	954	663	0	Pass
6	29342	1266	974	660	0	Pass
7	29419	1237	932	674	0	Pass
8	29722	1261	1021	665	0	Pass
9	29408	1220	994	642	0	Pass
10	29474	1275	913	660	0	Pass
11	29716	1267	953	669	0	Pass
12	29325	1273	884	657	0	Pass
13	29438	1303	901	631	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	490.633	5.583	0.000	0.000	Pass
2	485.917	5.550	0.000	0.000	Pass
3	493.917	4.150	0.000	0.000	Pass
4	492.800	5.767	0.000	0.000	Pass
5	492.667	4.517	0.000	0.000	Pass
6	489.033	4.867	0.000	0.000	Pass
7	490.317	5.083	0.000	0.000	Pass
8	495.367	4.000	0.000	0.000	Pass
9	490.133	3.767	0.000	0.000	Pass
10	491.233	6.033	0.000	0.000	Pass
11	495.267	5.233	0.000	0.000	Pass
12	488.750	6.483	0.000	0.000	Pass
13	490.633	6.700	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.04.22 09:38:01  
 Results file name: 94MJ3801.VER  
 Inspection number:  
 Item id: BWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Database  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: AFAS BWR COLLAR Normalization

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.04.22  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.04.22

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 13  
 Count time (sec): 60

(1)

## Passive summed raw data

Shift register singles sum: 7036459  
 Shift register reals + accidentals sum: 5562450  
 Shift register accidentals sum: 4061334  
 Shift register 1st scaler sum: 23064  
 Shift register 2nd scaler sum: 0

## Passive error messages

Known alpha analysis error

## Results

Singles: 9034.189 +- 4.854  
 Doubles: 1935.700 +- 4.884  
 Triples: 0.000 +- 0.000  
 Scaler 1: 29.569 +- 0.147  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	540180	425280	311180	1781	0	Pass
2	542489	429108	313469	1838	0	Pass
3	538992	424769	310831	1797	0	Pass
4	540997	427070	312894	1759	0	Pass
5	541550	427418	312090	1773	0	Pass
6	543005	430561	315088	1804	0	Pass
7	541838	429452	312388	1771	0	Pass
8	540684	428174	312024	1798	0	Pass
9	540533	428496	311894	1731	0	Pass
10	541212	427395	310941	1775	0	Pass
11	541107	428152	312070	1749	0	Pass
12	541900	427975	313677	1717	0	Pass
13	541972	428600	312898	1771	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	9016.035	1912.704	0.000	0.000	Pass
2	9054.630	1938.551	0.000	0.000	Pass
3	8996.178	1909.964	0.000	0.000	Pass
4	9029.692	1913.995	0.000	0.000	Pass
5	9038.935	1933.318	0.000	0.000	Pass
6	9063.256	1935.779	0.000	0.000	Pass
7	9043.749	1962.426	0.000	0.000	Pass
8	9024.460	1947.080	0.000	0.000	Pass
9	9021.936	1954.821	0.000	0.000	Pass
10	9033.285	1953.863	0.000	0.000	Pass
11	9031.530	1945.949	0.000	0.000	Pass
12	9044.785	1916.059	0.000	0.000	Pass
13	9045.989	1939.596	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.04.22 09:24:59  
 Results file name: 94MJ2459.VER  
 Inspection number:  
 Item id: BWR TF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Database  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: AFAS BWR TOP FORK Normalization

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.04.22  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.04.22

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 0.000 +- 0.000  
 Passive doubles bkgnd: 0.000 +- 0.000  
 Passive triples bkgnd: 0.000 +- 0.000  
 Passive scaler1 bkgnd: 0.000  
 Passive scaler2 bkgnd: 0.000

Number passive cycles: 11  
 Count time (sec): 60

(1)

## Passive summed raw data

Shift register singles sum: 165876  
 Shift register reals + accidentals sum: 3699  
 Shift register accidentals sum: 2573  
 Shift register 1st scaler sum: 310696  
 Shift register 2nd scaler sum: 0

## Passive error messages

## Known alpha analysis error

## Results

Singles: 251.327 +- 0.618  
 Doubles: 1.706 +- 0.101  
 Triples: 0.000 +- 0.000  
 Scaler 1: 470.752 +- 0.825  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	15312	337	224	28130	0	Pass
2	15126	349	230	28229	0	Pass
3	14921	320	245	28446	0	Pass
4	15004	350	222	28197	0	Pass
5	14924	361	239	28274	0	Pass
6	14973	326	243	28187	0	Pass
7	15181	328	215	27897	0	Pass
8	15086	313	244	28433	0	Pass
9	15188	343	233	28338	0	Pass
10	15023	325	237	28426	0	Pass
11	15138	347	241	28139	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	255.200	1.883	0.000	0.000	Pass
2	252.100	1.983	0.000	0.000	Pass
3	248.683	1.250	0.000	0.000	Pass
4	250.067	2.133	0.000	0.000	Pass
5	248.733	2.033	0.000	0.000	Pass
6	249.550	1.383	0.000	0.000	Pass
7	253.017	1.883	0.000	0.000	Pass
8	251.433	1.150	0.000	0.000	Pass
9	253.133	1.833	0.000	0.000	Pass
10	250.383	1.467	0.000	0.000	Pass
11	252.300	1.767	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.04.22 10:35:51  
 Results file name: 94MK3551.VER  
 Inspection number:  
 Item id: PWR BF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Database  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: AFAS PWR BOTTOM FORK Normalization

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.04.22  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.04.22

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 0.000 +- 0.000  
 Passive doubles bkgnd: 0.000 +- 0.000  
 Passive triples bkgnd: 0.000 +- 0.000  
 Passive scaler1 bkgnd: 0.000  
 Passive scaler2 bkgnd: 0.000

Number passive cycles: 11  
 Count time (sec): 60

(1)

## Passive summed raw data

Shift register singles sum: 397153  
 Shift register reals + accidentals sum: 20943  
 Shift register accidentals sum: 15250  
 Shift register 1st scaler sum: 300261  
 Shift register 2nd scaler sum: 0

## Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

## Results

Singles: 601.747 +- 0.960  
 Doubles: 8.626 +- 0.382  
 Triples: 0.000 +- 0.000  
 Scaler 1: 454.941 +- 0.722  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	35787	1874	1433	27543	0	Pass
2	35876	1882	1317	27309	0	Pass
3	35972	1879	1393	27544	0	Pass
4	36176	1898	1396	27310	0	Pass
5	36085	1922	1432	27309	0	Pass
6	36010	1813	1360	27155	0	Pass
7	36254	1930	1421	27224	0	Pass
8	36171	1907	1361	27132	0	Pass
9	36066	2037	1318	27260	0	Pass
10	36348	1923	1414	27130	0	Pass
11	36408	1878	1405	27345	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	596.450	7.350	0.000	0.000	Pass
2	597.933	9.417	0.000	0.000	Pass
3	599.533	8.100	0.000	0.000	Pass
4	602.933	8.367	0.000	0.000	Pass
5	601.417	8.167	0.000	0.000	Pass
6	600.167	7.550	0.000	0.000	Pass
7	604.233	8.483	0.000	0.000	Pass
8	602.850	9.100	0.000	0.000	Pass
9	601.100	11.983	0.000	0.000	Pass
10	605.800	8.483	0.000	0.000	Pass
11	606.800	7.883	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.04.22 10:21:47  
 Results file name: 94MK2147.VER  
 Inspection number:  
 Item id: PWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Database  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: AFAS PWR COLLAR Normalization

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.04.22  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.04.22

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 12  
 Count time (sec): 60

(1)

## Passive summed raw data

Shift register singles sum: 5318556  
 Shift register reals + accidentals sum: 3424644  
 Shift register accidentals sum: 2512338  
 Shift register 1st scaler sum: 43480  
 Shift register 2nd scaler sum: 0

## Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

## Results

Singles: 7391.605 +- 4.810  
 Doubles: 1270.335 +- 3.447  
 Triples: 0.000 +- 0.000  
 Scaler 1: 60.389 +- 0.274  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	442037	284494	207811	3708	0	Pass
2	442916	285400	209737	3619	0	Pass
3	442825	285163	209439	3629	0	Pass
4	443856	286109	209616	3651	0	Pass
5	442361	283094	208563	3663	0	Pass
6	442726	285543	208548	3511	0	Pass
7	443480	285883	209922	3666	0	Pass
8	442496	284505	208099	3585	0	Pass
9	445656	287799	211440	3542	0	Pass
10	442511	283983	208692	3665	0	Pass
11	444092	286189	210705	3590	0	Pass
12	443600	286482	209766	3651	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7371.980	1281.312	0.000	0.000	Pass
2	7386.649	1264.275	0.000	0.000	Pass
3	7385.130	1265.294	0.000	0.000	Pass
4	7402.335	1278.151	0.000	0.000	Pass
5	7377.387	1245.356	0.000	0.000	Pass
6	7383.478	1286.531	0.000	0.000	Pass
7	7396.061	1269.259	0.000	0.000	Pass
8	7379.640	1276.687	0.000	0.000	Pass
9	7432.374	1275.925	0.000	0.000	Pass
10	7379.890	1258.056	0.000	0.000	Pass
11	7406.274	1261.293	0.000	0.000	Pass
12	7398.063	1281.875	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.04.22 10:08:43  
 Results file name: 94MK0843.VER  
 Inspection number:  
 Item id: PWR TF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Database  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: AFAS PWR TOP FORK Normalization

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.04.22  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.04.22

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 12  
 Count time (sec): 60

(1)

## Passive summed raw data

Shift register singles sum: 5325  
 Shift register reals + accidentals sum: 0  
 Shift register accidentals sum: 1  
 Shift register 1st scaler sum: 305468  
 Shift register 2nd scaler sum: 0

## Passive error messages

No known alpha calibration

## Results

Singles: 7.396 +- 0.085  
 Doubles: -0.001 +- 0.001  
 Triples: 0.000 +- 0.000  
 Scaler 1: 424.261 +- 0.627  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	424	0	0	25436	0	Pass
2	434	0	0	25227	0	Pass
3	421	0	1	25617	0	Pass
4	434	0	0	25381	0	Pass
5	450	0	0	25397	0	Pass
6	437	0	0	25530	0	Pass
7	430	0	0	25570	0	Pass
8	440	0	0	25372	0	Pass
9	450	0	0	25503	0	Pass
10	456	0	0	25279	0	Pass
11	473	0	0	25650	0	Pass
12	476	0	0	25506	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7.067	0.000	0.000	0.000	Pass
2	7.233	0.000	0.000	0.000	Pass
3	7.017	-0.017	0.000	0.000	Pass
4	7.233	0.000	0.000	0.000	Pass
5	7.500	0.000	0.000	0.000	Pass
6	7.283	0.000	0.000	0.000	Pass
7	7.167	0.000	0.000	0.000	Pass
8	7.333	0.000	0.000	0.000	Pass
9	7.500	0.000	0.000	0.000	Pass
10	7.600	0.000	0.000	0.000	Pass
11	7.883	0.000	0.000	0.000	Pass
12	7.933	0.000	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.05.17 10:00:32  
 Results file name: 95HK0032.VER  
 Inspection number:  
 Item id: BWR BF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: AFAS BWR BOTTOM FORK Normalization

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.05.17  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.05.17

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 13  
 Count time (sec): 60

(1)

## Passive summed raw data

Shift register singles sum: 378765  
 Shift register reals + accidentals sum: 16207  
 Shift register accidentals sum: 11574  
 Shift register 1st scaler sum: 8016  
 Shift register 2nd scaler sum: 0

## Passive error messages

No known alpha calibration

## Results

Singles: 485.596 +- 0.747  
 Doubles: 5.940 +- 0.215  
 Triples: 0.000 +- 0.000  
 Scaler 1: 10.277 +- 0.115  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	29093	1207	886	652	0	Pass
2	28894	1198	920	592	0	Pass
3	29273	1255	881	598	0	Pass
4	29224	1213	912	593	0	Pass
5	29130	1274	956	579	0	Pass
6	29363	1294	843	630	0	Pass
7	28909	1268	873	627	0	Pass
8	29337	1240	896	644	0	Pass
9	28927	1241	866	642	0	Pass
10	28993	1248	883	631	0	Pass
11	29162	1253	909	611	0	Pass
12	29218	1229	868	584	0	Pass
13	29242	1287	881	633	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	484.883	5.350	0.000	0.000	Pass
2	481.567	4.633	0.000	0.000	Pass
3	487.883	6.233	0.000	0.000	Pass
4	487.067	5.017	0.000	0.000	Pass
5	485.500	5.300	0.000	0.000	Pass
6	489.383	7.517	0.000	0.000	Pass
7	481.817	6.583	0.000	0.000	Pass
8	488.950	5.733	0.000	0.000	Pass
9	482.117	6.250	0.000	0.000	Pass
10	483.217	6.983	0.000	0.000	Pass
11	486.033	5.733	0.000	0.000	Pass
12	486.967	6.017	0.000	0.000	Pass
13	487.367	6.767	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.05.17 09:46:49  
 Results file name: 95HJ4649.VER  
 Inspection number:  
 Item id: BWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: AFAS BWR COLLAR Normalization

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.05.17  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.05.17

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 11  
 Count time (sec): 60

(1)

## Passive summed raw data

Shift register singles sum: 5845135  
 Shift register reals + accidentals sum: 4558075  
 Shift register accidentals sum: 3314196  
 Shift register 1st scaler sum: 18842  
 Shift register 2nd scaler sum: 0

## Passive error messages

Known alpha analysis error

## Results

Singles: 8868.879 +- 4.908  
 Doubles: 1895.425 +- 4.314  
 Triples: 0.000 +- 0.000  
 Scaler 1: 28.548 +- 0.187  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	532092	414752	302298	1673	0	Pass
2	532490	416098	303008	1703	0	Pass
3	532045	414319	302480	1749	0	Pass
4	531219	414917	300815	1736	0	Pass
5	529981	411727	300143	1732	0	Pass
6	531109	414232	300977	1781	0	Pass
7	532930	416646	303981	1733	0	Pass
8	530198	412192	298721	1678	0	Pass
9	530767	414375	300324	1697	0	Pass
10	530456	413849	300012	1654	0	Pass
11	531848	414968	301437	1706	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	8880.848	1884.948	0.000	0.000	Pass
2	8887.500	1895.617	0.000	0.000	Pass
3	8880.062	1874.639	0.000	0.000	Pass
4	8866.256	1912.554	0.000	0.000	Pass
5	8845.564	1870.323	0.000	0.000	Pass
6	8864.417	1898.354	0.000	0.000	Pass
7	8894.854	1888.502	0.000	0.000	Pass
8	8849.191	1901.956	0.000	0.000	Pass
9	8858.701	1911.690	0.000	0.000	Pass
10	8853.503	1908.096	0.000	0.000	Pass
11	8876.769	1902.996	0.000	0.000	Pass

(2)



## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.05.17 09:33:45  
 Results file name: 95HU3345.VER  
 Inspection number:  
 Item id: BWR TF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: AFAS BWR TOP FORK Normalization

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.05.17  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.05.17

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 11  
 Count time (sec): 60

(1)

## Passive summed raw data

Shift register singles sum: 160903  
 Shift register reals + accidentals sum: 3531  
 Shift register accidentals sum: 2508  
 Shift register 1st scaler sum: 305719  
 Shift register 2nd scaler sum: 0

## Passive error messages

## Known alpha analysis error

## Results

Singles: 243.792 +- 0.654  
 Doubles: 1.550 +- 0.102  
 Triples: 0.000 +- 0.000  
 Scaler 1: 463.211 +- 1.102  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	14608	337	220	27451	0	Pass
2	14739	300	224	27566	0	Pass
3	14853	309	237	27683	0	Pass
4	14636	335	222	28219	0	Pass
5	14371	324	229	27726	0	Pass
6	14650	324	227	27906	0	Pass
7	14625	334	217	27948	0	Pass
8	14494	300	221	27661	0	Pass
9	14580	334	226	27685	0	Pass
10	14587	306	250	27997	0	Pass
11	14760	328	235	27877	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	243.467	1.950	0.000	0.000	Pass
2	245.650	1.267	0.000	0.000	Pass
3	247.550	1.200	0.000	0.000	Pass
4	243.933	1.883	0.000	0.000	Pass
5	239.517	1.583	0.000	0.000	Pass
6	244.167	1.617	0.000	0.000	Pass
7	243.750	1.950	0.000	0.000	Pass
8	241.567	1.317	0.000	0.000	Pass
9	243.000	1.800	0.000	0.000	Pass
10	243.117	0.933	0.000	0.000	Pass
11	246.000	1.550	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.05.17 10:40:45  
 Results file name: 95HK4045.VER  
 Inspection number:  
 Item id: PWR BF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: AFAS PWR BOTTOM FORK Normalization

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.05.17  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.05.17

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 11  
 Count time (sec): 60

(1)

## Passive summed raw data

Shift register singles sum: 389908  
 Shift register reals + accidentals sum: 19829  
 Shift register accidentals sum: 14575  
 Shift register 1st scaler sum: 295120  
 Shift register 2nd scaler sum: 0

## Passive error messages

## No passive calibration curve calibration

## No known alpha calibration

## Results

Singles: 590.770 +- 0.820  
 Doubles: 7.961 +- 0.308  
 Triples: 0.000 +- 0.000  
 Scaler 1: 447.152 +- 0.890  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	35667	1806	1317	26745	0	Pass
2	35175	1777	1277	26803	0	Pass
3	35524	1835	1327	26718	0	Pass
4	35517	1765	1333	26938	0	Pass
5	35318	1746	1398	26710	0	Pass
6	35345	1763	1349	27189	0	Pass
7	35548	1819	1329	26610	0	Pass
8	35618	1881	1295	26887	0	Pass
9	35575	1806	1319	26923	0	Pass
10	35230	1778	1274	26983	0	Pass
11	35391	1853	1357	26604	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	594.450	8.150	0.000	0.000	Pass
2	586.250	8.333	0.000	0.000	Pass
3	592.067	8.467	0.000	0.000	Pass
4	591.950	7.200	0.000	0.000	Pass
5	588.633	5.800	0.000	0.000	Pass
6	589.083	6.900	0.000	0.000	Pass
7	592.467	8.167	0.000	0.000	Pass
8	593.633	9.767	0.000	0.000	Pass
9	592.917	8.117	0.000	0.000	Pass
10	587.167	8.400	0.000	0.000	Pass
11	589.850	8.267	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.05.17 10:28:41  
 Results file name: 95HK2841.VER  
 Inspection number:  
 Item id: PWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: AFAS PWR COLLAR Normalization

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.05.17  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.05.17

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive summed raw data

Shift register singles sum: 4347821  
 Shift register reals + accidentals sum: 2758230  
 Shift register accidentals sum: 2015730  
 Shift register 1st scaler sum: 35858  
 Shift register 2nd scaler sum: 0

## Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

## Results

Singles: 7250.912 +- 4.437  
 Doubles: 1240.607 +- 5.143  
 Triples: 0.000 +- 0.000  
 Scaler 1: 59.763 +- 0.170  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	435267	276856	202473	3554	0	Pass
2	434113	274048	199936	3597	0	Pass
3	435210	276597	202530	3592	0	Pass
4	434280	274731	200859	3592	0	Pass
5	434170	274341	201164	3593	0	Pass
6	436561	277727	203732	3605	0	Pass
7	433791	275599	200514	3579	0	Pass
8	434448	274997	201081	3630	0	Pass
9	435503	278843	202266	3604	0	Pass
10	434478	274491	201175	3512	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7259.004	1242.832	0.000	0.000	Pass
2	7239.746	1238.296	0.000	0.000	Pass
3	7258.053	1237.552	0.000	0.000	Pass
4	7242.533	1234.287	0.000	0.000	Pass
5	7240.698	1222.674	0.000	0.000	Pass
6	7280.598	1236.359	0.000	0.000	Pass
7	7234.373	1254.551	0.000	0.000	Pass
8	7245.337	1235.024	0.000	0.000	Pass
9	7262.942	1279.493	0.000	0.000	Pass
10	7245.837	1224.999	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.05.17 10:16:36  
 Results file name: 95HK1636.VER  
 Inspection number:  
 Item id: PWR TF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: AFAS PWR TOP FORK Normalization

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.05.17  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.05.17

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive summed raw data

Shift register singles sum: 4314  
 Shift register reals + accidentals sum: 0  
 Shift register accidentals sum: 2  
 Shift register 1st scaler sum: 249773  
 Shift register 2nd scaler sum: 0

## Passive error messages

No known alpha calibration

## Results

Singles: 7.190 +- 0.083  
 Doubles: -0.003 +- 0.002  
 Triples: 0.000 +- 0.000  
 Scaler 1: 416.288 +- 0.627  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	427	0	0	25024	0	Pass
2	452	0	0	25009	0	Pass
3	421	0	1	25041	0	Pass
4	431	0	0	24989	0	Pass
5	434	0	0	24912	0	Pass
6	452	0	1	24735	0	Pass
7	423	0	0	24963	0	Pass
8	451	0	0	25147	0	Pass
9	414	0	0	24858	0	Pass
10	409	0	0	25095	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7.117	0.000	0.000	0.000	Pass
2	7.533	0.000	0.000	0.000	Pass
3	7.017	-0.017	0.000	0.000	Pass
4	7.183	0.000	0.000	0.000	Pass
5	7.233	0.000	0.000	0.000	Pass
6	7.533	-0.017	0.000	0.000	Pass
7	7.050	0.000	0.000	0.000	Pass
8	7.517	0.000	0.000	0.000	Pass
9	6.900	0.000	0.000	0.000	Pass
10	6.817	0.000	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.05 10:45:57  
 Results file name: 965K4557.VER  
 Inspection number:  
 Item id: BWR BF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 9  
 Count time (sec): 60

(1)

## Passive summed raw data

Shift register singles sum: 258477  
 Shift register reals + accidentals sum: 10842  
 Shift register accidentals sum: 8012  
 Shift register 1st scaler sum: 5253  
 Shift register 2nd scaler sum: 0

## Passive error messages

No known alpha calibration

## Results

Singles: 478.661 +- 0.879  
 Doubles: 5.241 +- 0.204  
 Triples: 0.000 +- 0.000  
 Scaler 1: 9.728 +- 0.101  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	28710	1219	874	565	0	Pass
2	28808	1162	896	603	0	Pass
3	28617	1215	911	584	0	Pass
4	28807	1190	906	602	0	Pass
5	28773	1235	879	545	0	Pass
6	28933	1207	868	588	0	Pass
7	28854	1259	896	591	0	Pass
8	28495	1196	900	586	0	Pass
9	28480	1159	882	589	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	478.500	5.750	0.000	0.000	Pass
2	480.133	4.433	0.000	0.000	Pass
3	476.950	5.067	0.000	0.000	Pass
4	480.117	4.733	0.000	0.000	Pass
5	479.550	5.933	0.000	0.000	Pass
6	482.217	5.650	0.000	0.000	Pass
7	480.900	6.050	0.000	0.000	Pass
8	474.917	4.933	0.000	0.000	Pass
9	474.667	4.617	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.04 09:36:57  
 Results file name: 964J3657.VER  
 Inspection number:  
 Item id: BWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive error messages

Known alpha analysis error

## Passive summed raw data

Shift register singles sum: 5257947  
 Shift register reals + accidentals sum: 4072579  
 Shift register accidentals sum: 2947275  
 Shift register 1st scaler sum: 17104  
 Shift register 2nd scaler sum: 0

## Passive results

Singles: 8775.595 +- 3.721  
 Doubles: 1886.101 +- 4.829  
 Triples: 0.000 +- 0.000  
 Scaler 1: 28.507 +- 0.171  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	525530	406978	294661	1755	0	Pass
2	525268	406917	294070	1676	0	Pass
3	525132	404985	293882	1669	0	Pass
4	525703	407467	293729	1768	0	Pass
5	525559	407309	295013	1729	0	Pass
6	525931	409330	295229	1707	0	Pass
7	525882	407632	294795	1712	0	Pass
8	525664	407373	295459	1683	0	Pass
9	525125	406486	293954	1706	0	Pass
10	527153	408102	296483	1699	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	8771.171	1882.519	0.000	0.000	Pass
2	8766.792	1891.397	0.000	0.000	Pass
3	8764.518	1862.164	0.000	0.000	Pass
4	8774.062	1906.340	0.000	0.000	Pass
5	8771.655	1882.168	0.000	0.000	Pass
6	8794.586	1912.449	0.000	0.000	Pass
7	8777.054	1891.242	0.000	0.000	Pass
8	8773.410	1875.767	0.000	0.000	Pass
9	8764.401	1886.115	0.000	0.000	Pass
10	8798.297	1870.853	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.04 09:20:53  
 Results file name: 964J2053.VER  
 Inspection number:  
 Item id: BWR TF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgnd: 0.000 +- 0.000  
 Passive doubles bkgnd: 0.000 +- 0.000  
 Passive triples bkgnd: 0.000 +- 0.000  
 Passive scaler1 bkgnd: 0.000  
 Passive scaler2 bkgnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive error messages

Known alpha analysis error

## Passive summed raw data

Shift register singles sum: 145646  
 Shift register reals + accidentals sum: 3190  
 Shift register accidentals sum: 2267  
 Shift register 1st scaler sum: 275164  
 Shift register 2nd scaler sum: 0

## Passive results

Singles: 242.743 +- 0.538  
 Doubles: 1.538 +- 0.132  
 Triples: 0.000 +- 0.000  
 Scaler 1: 458.607 +- 0.951  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	14686	345	263	27613	0	Pass
2	14490	324	216	27627	0	Pass
3	14461	338	219	27629	0	Pass
4	14512	299	248	27635	0	Pass
5	14613	322	226	27367	0	Pass
6	14738	307	223	27788	0	Pass
7	14469	312	194	27584	0	Pass
8	14546	317	196	27228	0	Pass
9	14661	307	250	27306	0	Pass
10	14470	319	232	27387	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	244.767	1.367	0.000	0.000	Pass
2	241.500	1.800	0.000	0.000	Pass
3	241.017	1.983	0.000	0.000	Pass
4	241.867	0.850	0.000	0.000	Pass
5	243.550	1.600	0.000	0.000	Pass
6	245.633	1.400	0.000	0.000	Pass
7	241.150	1.967	0.000	0.000	Pass
8	242.433	2.017	0.000	0.000	Pass
9	244.350	0.950	0.000	0.000	Pass
10	241.167	1.450	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.05 10:27:54  
 Results file name: 965K2754.VER  
 Inspection number:  
 Item id: PWR BF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgnd: 0.000 +- 0.000  
 Passive doubles bkgnd: 0.000 +- 0.000  
 Passive triples bkgnd: 0.000 +- 0.000  
 Passive scaler1 bkgnd: 0.000  
 Passive scaler2 bkgnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive summed raw data

Shift register singles sum: 351906  
 Shift register reals + accidentals sum: 17840  
 Shift register accidentals sum: 13353  
 Shift register 1st scaler sum: 264557  
 Shift register 2nd scaler sum: 0

## Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

## Results

Singles: 586.510 +- 1.185  
 Doubles: 7.478 +- 0.258  
 Triples: 0.000 +- 0.000  
 Scaler 1: 440.928 +- 0.962  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	35161	1775	1305	26609	0	Pass
2	35545	1836	1397	26576	0	Pass
3	35239	1845	1374	26529	0	Pass
4	35418	1780	1397	26706	0	Pass
5	34857	1702	1304	26205	0	Pass
6	35212	1760	1346	26220	0	Pass
7	35352	1779	1334	26535	0	Pass
8	35051	1822	1262	26460	0	Pass
9	34650	1759	1306	26517	0	Pass
10	35221	1782	1328	26200	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	586.017	7.833	0.000	0.000	Pass
2	592.417	7.317	0.000	0.000	Pass
3	587.317	7.850	0.000	0.000	Pass
4	590.300	6.383	0.000	0.000	Pass
5	580.950	6.633	0.000	0.000	Pass
6	586.867	6.900	0.000	0.000	Pass
7	589.200	7.417	0.000	0.000	Pass
8	584.183	9.333	0.000	0.000	Pass
9	580.833	7.550	0.000	0.000	Pass
10	587.017	7.567	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.05 10:10:50  
 Results file name: 965K1050.VER  
 Inspection number:  
 Item id: PWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive summed raw data

Shift register singles sum: 4298993  
 Shift register reals + accidentals sum: 2706355  
 Shift register accidentals sum: 1969949  
 Shift register 1st scaler sum: 35326  
 Shift register 2nd scaler sum: 0

## Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

## Results

Singles: 7169.431 +- 3.379  
 Doubles: 1230.390 +- 2.378  
 Triples: 0.000 +- 0.000  
 Scaler 1: 58.877 +- 0.252  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	430761	271343	197021	3502	0	Pass
2	430434	271215	197342	3604	0	Pass
3	430699	272141	198071	3612	0	Pass
4	429313	270202	196270	3494	0	Pass
5	429602	269748	196623	3520	0	Pass
6	430454	271746	198392	3502	0	Pass
7	429048	269532	196168	3497	0	Pass
8	429206	269829	195926	3478	0	Pass
9	429848	269577	196667	3562	0	Pass
10	429628	271022	197469	3555	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7183.810	1241.781	0.000	0.000	Pass
2	7178.353	1234.277	0.000	0.000	Pass
3	7182.775	1237.570	0.000	0.000	Pass
4	7159.647	1235.254	0.000	0.000	Pass
5	7164.469	1221.773	0.000	0.000	Pass
6	7178.687	1225.605	0.000	0.000	Pass
7	7155.225	1225.762	0.000	0.000	Pass
8	7157.861	1234.769	0.000	0.000	Pass
9	7168.574	1218.183	0.000	0.000	Pass
10	7164.903	1228.924	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.04 13:20:45  
 Results file name: 964N2045.VER  
 Inspection number:  
 Item id: PWR TF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive summed raw data

Shift register singles sum: 4037  
 Shift register reals + accidentals sum: 1  
 Shift register accidentals sum: 0  
 Shift register 1st scaler sum: 247241  
 Shift register 2nd scaler sum: 0

## Passive error messages

No known alpha calibration

## Results

Singles: 6.728 +- 0.118  
 Doubles: 0.002 +- 0.002  
 Triples: 0.000 +- 0.000  
 Scaler 1: 412.068 +- 0.712  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	417	0	0	24718	0	Pass
2	433	0	0	24751	0	Pass
3	367	0	0	24533	0	Pass
4	376	1	0	24817	0	Pass
5	395	0	0	24467	0	Pass
6	392	0	0	24917	0	Pass
7	406	0	0	24675	0	Pass
8	404	0	0	24790	0	Pass
9	410	0	0	24774	0	Pass
10	437	0	0	24799	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6.950	0.000	0.000	0.000	Pass
2	7.217	0.000	0.000	0.000	Pass
3	6.117	0.000	0.000	0.000	Pass
4	6.267	0.017	0.000	0.000	Pass
5	6.583	0.000	0.000	0.000	Pass
6	6.533	0.000	0.000	0.000	Pass
7	6.767	0.000	0.000	0.000	Pass
8	6.733	0.000	0.000	0.000	Pass
9	6.833	0.000	0.000	0.000	Pass
10	7.283	0.000	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.03 10:49:06  
 Results file name: 973K4906.VER  
 Inspection number:  
 Item id: BWR BF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.03

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive summed raw data

Shift register singles sum: 282473  
 Shift register reals + accidentals sum: 11870  
 Shift register accidentals sum: 8506  
 Shift register 1st scaler sum: 5820  
 Shift register 2nd scaler sum: 0

## Passive error messages

No known alpha calibration

## Results

Singles: 470.788 +- 0.939  
 Doubles: 5.607 +- 0.207  
 Triples: 0.000 +- 0.000  
 Scaler 1: 9.700 +- 0.119  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	28385	1211	874	567	0	Pass
2	28505	1203	869	598	0	Pass
3	28293	1223	887	600	0	Pass
4	28426	1206	843	555	0	Pass
5	28038	1178	826	544	0	Pass
6	28322	1134	855	591	0	Pass
7	28137	1154	807	602	0	Pass
8	27926	1127	833	567	0	Pass
9	28221	1250	832	584	0	Pass
10	28220	1184	880	612	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	473.083	5.617	0.000	0.000	Pass
2	475.083	5.567	0.000	0.000	Pass
3	471.550	5.600	0.000	0.000	Pass
4	473.767	6.050	0.000	0.000	Pass
5	467.300	5.867	0.000	0.000	Pass
6	472.033	4.650	0.000	0.000	Pass
7	468.950	5.783	0.000	0.000	Pass
8	465.433	4.900	0.000	0.000	Pass
9	470.350	6.967	0.000	0.000	Pass
10	470.333	5.067	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.03 10:36:04  
 Results file name: 973K3604.VER  
 Inspection number:  
 Item id: BWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.03

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive summed raw data

Shift register singles sum: 5151748  
 Shift register reals + accidentals sum: 3931862  
 Shift register accidentals sum: 2827304  
 Shift register 1st scaler sum: 17006  
 Shift register 2nd scaler sum: 0

## Passive error messages

Known alpha analysis error

## Results

Singles: 8598.102 +- 2.654  
 Doubles: 1851.118 +- 5.162  
 Triples: 0.000 +- 0.000  
 Scaler 1: 28.343 +- 0.225  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	515060	393444	283678	1677	0	Pass
2	515120	391884	282672	1696	0	Pass
3	515662	393684	283211	1756	0	Pass
4	514797	393372	281653	1641	0	Pass
5	515576	394781	282433	1689	0	Pass
6	514244	391855	281645	1677	0	Pass
7	515249	393983	283876	1696	0	Pass
8	515922	393843	283385	1674	0	Pass
9	514702	391410	281965	1712	0	Pass
10	515416	393606	282786	1788	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	8596.183	1839.556	0.000	0.000	Pass
2	8597.186	1830.273	0.000	0.000	Pass
3	8606.244	1851.416	0.000	0.000	Pass
4	8591.788	1872.281	0.000	0.000	Pass
5	8604.807	1882.838	0.000	0.000	Pass
6	8582.546	1846.981	0.000	0.000	Pass
7	8599.342	1845.274	0.000	0.000	Pass
8	8610.590	1851.170	0.000	0.000	Pass
9	8590.200	1834.169	0.000	0.000	Pass
10	8602.133	1857.227	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.03 10:23:01  
 Results file name: 973K2301.VER  
 Inspection number:  
 Item id: BWR TF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.03

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgnd: 0.000 +- 0.000  
 Passive doubles bkgnd: 0.000 +- 0.000  
 Passive triples bkgnd: 0.000 +- 0.000  
 Passive scaler1 bkgnd: 0.000  
 Passive scaler2 bkgnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive error messages

Known alpha analysis error

## Passive summed raw data

Shift register singles sum: 143747  
 Shift register reals + accidentals sum: 2959  
 Shift register accidentals sum: 2221  
 Shift register 1st scaler sum: 269854  
 Shift register 2nd scaler sum: 0

## Passive results

Singles: 239.578 +- 0.489  
 Doubles: 1.230 +- 0.097  
 Triples: 0.000 +- 0.000  
 Scaler 1: 449.757 +- 0.655  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	14304	264	208	26968	0	Pass
2	14507	292	234	27088	0	Pass
3	14244	317	210	26738	0	Pass
4	14466	314	220	27083	0	Pass
5	14347	282	228	27041	0	Pass
6	14279	298	208	27051	0	Pass
7	14426	293	227	26999	0	Pass
8	14289	290	225	27102	0	Pass
9	14456	298	234	26989	0	Pass
10	14429	311	227	26795	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	238.400	0.933	0.000	0.000	Pass
2	241.783	0.967	0.000	0.000	Pass
3	237.400	1.783	0.000	0.000	Pass
4	241.100	1.567	0.000	0.000	Pass
5	239.117	0.900	0.000	0.000	Pass
6	237.983	1.500	0.000	0.000	Pass
7	240.433	1.100	0.000	0.000	Pass
8	238.150	1.083	0.000	0.000	Pass
9	240.933	1.067	0.000	0.000	Pass
10	240.483	1.400	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.03 13:19:48  
 Results file name: 973N1948.VER  
 Inspection number:  
 Item id: PWR BF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.03

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgnd: 0.000 +- 0.000  
 Passive doubles bkgnd: 0.000 +- 0.000  
 Passive triples bkgnd: 0.000 +- 0.000  
 Passive scaler1 bkgnd: 0.000  
 Passive scaler2 bkgnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive summed raw data

Shift register singles sum: 345838  
 Shift register reals + accidentals sum: 16994  
 Shift register accidentals sum: 12819  
 Shift register 1st scaler sum: 259719  
 Shift register 2nd scaler sum: 0

## Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

## Results

Singles: 576.397 +- 0.709  
 Doubles: 6.958 +- 0.361  
 Triples: 0.000 +- 0.000  
 Scaler 1: 432.865 +- 0.605  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	34469	1650	1294	26104	0	Pass
2	34449	1665	1310	25894	0	Pass
3	34690	1699	1239	25999	0	Pass
4	34565	1633	1324	25936	0	Pass
5	34751	1731	1318	25998	0	Pass
6	34640	1768	1282	26025	0	Pass
7	34686	1697	1269	25931	0	Pass
8	34584	1694	1317	26029	0	Pass
9	34322	1725	1196	26095	0	Pass
10	34682	1732	1270	25708	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	574.483	5.933	0.000	0.000	Pass
2	574.150	5.917	0.000	0.000	Pass
3	578.167	7.667	0.000	0.000	Pass
4	576.083	5.150	0.000	0.000	Pass
5	579.183	6.883	0.000	0.000	Pass
6	577.333	8.100	0.000	0.000	Pass
7	578.100	7.133	0.000	0.000	Pass
8	576.400	6.283	0.000	0.000	Pass
9	572.033	8.817	0.000	0.000	Pass
10	578.033	7.700	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.03 11:15:14  
 Results file name: 973L1514.VER  
 Inspection number:  
 Item id: PWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopes id:	Default			
Isotopes source code:	00			
Pu238:	0.0000 +- 0.0000	0.0000 +- 0.0000		
Pu239:	0.0000 +- 0.0000	0.0000 +- 0.0000		
Pu240:	100.0000 +- 0.0000	100.0000 +- 0.0000		
Pu241:	0.0000 +- 0.0000	0.0000 +- 0.0000		
Pu242:	0.0000 +- 0.0000	0.0000 +- 0.0000		
Pu date:	00.01.01	19.07.03		
Am241:	0.0000 +- 0.0000	0.0000 +- 0.0000		
Am date:	00.01.01	19.07.03		

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

Passive summed raw data

Shift register singles sum:	4210323
Shift register reals + accidentals sum:	2609151
Shift register accidentals sum:	1892123
Shift register 1st scaler sum:	34378
Shift register 2nd scaler sum:	0

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles:	7021.466 +- 4.831
Doubles:	1197.952 +- 3.096
Triples:	0.000 +- 0.000
Scaler 1:	57.297 +- 0.352
Scaler 2:	0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	421303	259904	188697	3521	0	Pass
2	421340	261678	190060	3476	0	Pass
3	419500	259033	188030	3460	0	Pass
4	420549	260636	188465	3382	0	Pass
5	420671	259753	189035	3528	0	Pass
6	420062	260871	188345	3351	0	Pass
7	422402	262537	190388	3471	0	Pass
8	422043	261888	189774	3355	0	Pass
9	421839	261916	189926	3460	0	Pass
10	420614	260935	189403	3374	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7025.983	1189.670	0.000	0.000	Pass
2	7026.600	1196.537	0.000	0.000	Pass
3	6995.896	1186.250	0.000	0.000	Pass
4	7013.401	1205.771	0.000	0.000	Pass
5	7015.437	1181.496	0.000	0.000	Pass
6	7005.274	1211.698	0.000	0.000	Pass
7	7044.322	1205.416	0.000	0.000	Pass
8	7038.331	1204.829	0.000	0.000	Pass
9	7034.927	1202.756	0.000	0.000	Pass
10	7014.486	1195.095	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.03 11:02:10  
 Results file name: 973L0210.VER  
 Inspection number:  
 Item id: PWR TF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopes id:	Default			
Isotopes source code:	00			
Pu238:	0.0000 +- 0.0000	0.0000 +- 0.0000		
Pu239:	0.0000 +- 0.0000	0.0000 +- 0.0000		
Pu240:	100.0000 +- 0.0000	100.0000 +- 0.0000		
Pu241:	0.0000 +- 0.0000	0.0000 +- 0.0000		
Pu242:	0.0000 +- 0.0000	0.0000 +- 0.0000		
Pu date:	00.01.01	19.07.03		
Am241:	0.0000 +- 0.0000	0.0000 +- 0.0000		
Am date:	00.01.01	19.07.03		

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

Passive summed raw data

Shift register singles sum:	4156
Shift register reals + accidentals sum:	2
Shift register accidentals sum:	2
Shift register 1st scaler sum:	243087
Shift register 2nd scaler sum:	0

Passive error messages

No known alpha calibration

Results

Singles:	6.927 +- 0.119
Doubles:	0.000 +- 0.004
Triples:	0.000 +- 0.000
Scaler 1:	405.145 +- 1.123
Scaler 2:	0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	436	0	0	24465	0	Pass
2	376	0	1	24323	0	Pass
3	428	0	1	24443	0	Pass
4	405	0	0	24468	0	Pass
5	423	0	0	24136	0	Pass
6	401	1	0	24323	0	Pass
7	401	1	0	24661	0	Pass
8	431	0	0	24253	0	Pass
9	402	0	0	24038	0	Pass
10	453	0	0	23977	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7.267	0.000	0.000	0.000	Pass
2	6.267	-0.017	0.000	0.000	Pass
3	7.133	-0.017	0.000	0.000	Pass
4	6.750	0.000	0.000	0.000	Pass
5	7.050	0.000	0.000	0.000	Pass
6	6.683	0.017	0.000	0.000	Pass
7	6.683	0.017	0.000	0.000	Pass
8	7.183	0.000	0.000	0.000	Pass
9	6.700	0.000	0.000	0.000	Pass
10	7.550	0.000	0.000	0.000	Pass

(2)



## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.09 11:13:08  
 Results file name: 989L1308.VER  
 Inspection number:  
 Item id: BWR BF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: AFAS BWR BOTTOM

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive summed raw data

Shift register singles sum: 274609  
 Shift register reals + accidentals sum: 11104  
 Shift register accidentals sum: 7983  
 Shift register 1st scaler sum: 5228  
 Shift register 2nd scaler sum: 0

## Passive error messages

No known alpha calibration

## Results

Singles: 457.682 +- 0.821  
 Doubles: 5.202 +- 0.184  
 Triples: 0.000 +- 0.000  
 Scaler 1: 8.713 +- 0.098  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	27289	1108	736	534	0	Pass
2	27629	1075	786	509	0	Pass
3	27430	1114	799	525	0	Pass
4	27700	1154	801	519	0	Pass
5	27409	1119	767	499	0	Pass
6	27556	1119	831	513	0	Pass
7	27382	1124	828	516	0	Pass
8	27311	1098	817	554	0	Pass
9	27276	1062	792	507	0	Pass
10	27627	1131	826	552	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	454.817	6.200	0.000	0.000	Pass
2	460.483	4.817	0.000	0.000	Pass
3	457.167	5.250	0.000	0.000	Pass
4	461.667	5.883	0.000	0.000	Pass
5	456.817	5.867	0.000	0.000	Pass
6	459.267	4.800	0.000	0.000	Pass
7	456.367	4.933	0.000	0.000	Pass
8	455.183	4.683	0.000	0.000	Pass
9	454.600	4.500	0.000	0.000	Pass
10	460.450	5.083	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.09 11:00:14  
 Results file name: 989L0014.VER  
 Inspection number:  
 Item id: BWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: AFAS BWR COLLAR

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive summed raw data

Shift register singles sum: 5019348  
 Shift register reals + accidentals sum: 3760281  
 Shift register accidentals sum: 2688266  
 Shift register 1st scaler sum: 16613  
 Shift register 2nd scaler sum: 0

## Passive error messages

Known alpha analysis error

## Results

Singles: 8376.833 +- 6.586  
 Doubles: 1799.676 +- 4.957  
 Triples: 0.000 +- 0.000  
 Scaler 1: 27.688 +- 0.131  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	501539	374726	267387	1634	0	Pass
2	501840	375620	268918	1647	0	Pass
3	503056	377317	269148	1662	0	Pass
4	499727	373112	266165	1635	0	Pass
5	500671	375608	267100	1663	0	Pass
6	502145	376214	268285	1633	0	Pass
7	504036	377672	271302	1669	0	Pass
8	502215	376188	270132	1701	0	Pass
9	501189	375703	268572	1670	0	Pass
10	502930	378121	269257	1699	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	8370.219	1798.621	0.000	0.000	Pass
2	8375.249	1787.953	0.000	0.000	Pass
3	8395.570	1812.558	0.000	0.000	Pass
4	8339.938	1792.018	0.000	0.000	Pass
5	8355.713	1818.192	0.000	0.000	Pass
6	8380.346	1808.519	0.000	0.000	Pass
7	8411.948	1782.432	0.000	0.000	Pass
8	8381.516	1777.135	0.000	0.000	Pass
9	8364.370	1795.129	0.000	0.000	Pass
10	8393.465	1824.202	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.09 10:46:10  
 Results file name: 989K4610.VER  
 Inspection number:  
 Item id: BWR TF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: AFAS BWR TOP

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive summed raw data

Shift register singles sum: 139318  
 Shift register reals + accidentals sum: 2940  
 Shift register accidentals sum: 2023  
 Shift register 1st scaler sum: 262264  
 Shift register 2nd scaler sum: 0

## Passive error messages

## Known alpha analysis error

## Results

Singles: 232.197 +- 0.818  
 Doubles: 1.528 +- 0.141  
 Triples: 0.000 +- 0.000  
 Scaler 1: 437.107 +- 0.971  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	13745	268	192	25992	0	Pass
2	14024	326	212	26544	0	Pass
3	13936	325	204	26187	0	Pass
4	13812	316	185	25908	0	Pass
5	13725	288	217	26370	0	Pass
6	14054	286	209	26298	0	Pass
7	14210	305	186	26183	0	Pass
8	13814	279	199	26333	0	Pass
9	13976	272	197	26286	0	Pass
10	14022	275	222	26163	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	229.083	1.267	0.000	0.000	Pass
2	233.733	1.900	0.000	0.000	Pass
3	232.267	2.017	0.000	0.000	Pass
4	230.200	2.183	0.000	0.000	Pass
5	228.750	1.183	0.000	0.000	Pass
6	234.233	1.283	0.000	0.000	Pass
7	236.833	1.983	0.000	0.000	Pass
8	230.233	1.333	0.000	0.000	Pass
9	232.933	1.250	0.000	0.000	Pass
10	233.700	0.883	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.09 13:28:21  
 Results file name: 989N2821.VER  
 Inspection number:  
 Item id: PWR BF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: AFAS PWR BOTTOM

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive summed raw data

Shift register singles sum: 333617  
 Shift register reals + accidentals sum: 16369  
 Shift register accidentals sum: 11710  
 Shift register 1st scaler sum: 252209  
 Shift register 2nd scaler sum: 0

## Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

## Results

Singles: 556.028 +- 2.611  
 Doubles: 7.765 +- 0.259  
 Triples: 0.000 +- 0.000  
 Scaler 1: 420.348 +- 0.614  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	32012	1525	1078	25413	0	Pass
2	33587	1595	1135	25249	0	Pass
3	33497	1634	1198	25142	0	Pass
4	33392	1612	1137	25176	0	Pass
5	33771	1763	1210	25077	0	Pass
6	33723	1622	1193	25248	0	Pass
7	33432	1641	1245	25116	0	Pass
8	33436	1647	1161	25155	0	Pass
9	33447	1636	1198	25214	0	Pass
10	33320	1694	1155	25419	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	533.533	7.450	0.000	0.000	Pass
2	559.783	7.667	0.000	0.000	Pass
3	558.283	7.267	0.000	0.000	Pass
4	556.533	7.917	0.000	0.000	Pass
5	562.850	9.217	0.000	0.000	Pass
6	562.050	7.150	0.000	0.000	Pass
7	557.200	6.600	0.000	0.000	Pass
8	557.267	8.100	0.000	0.000	Pass
9	557.450	7.300	0.000	0.000	Pass
10	555.333	8.983	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.09 13:15:17  
 Results file name: 989N1517.VER  
 Inspection number:  
 Item id: PWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: AFAS PWR COLLAR

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive summed raw data

Shift register singles sum: 4103502  
 Shift register reals + accidentals sum: 2501093  
 Shift register accidentals sum: 1796939  
 Shift register 1st scaler sum: 33735  
 Shift register 2nd scaler sum: 0

## Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

## Results

Singles: 6843.215 +- 4.105  
 Doubles: 1176.369 +- 3.796  
 Triples: 0.000 +- 0.000  
 Scaler 1: 56.225 +- 0.218  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	410288	249784	180842	3392	0	Pass
2	411098	251264	179872	3383	0	Pass
3	410270	250127	179142	3438	0	Pass
4	410724	251165	180107	3382	0	Pass
5	408888	248688	178603	3364	0	Pass
6	411197	250551	180800	3383	0	Pass
7	409790	249346	178957	3316	0	Pass
8	411030	251040	180332	3385	0	Pass
9	410812	250281	179588	3293	0	Pass
10	409405	248847	178696	3399	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6842.177	1151.754	0.000	0.000	Pass
2	6855.693	1192.689	0.000	0.000	Pass
3	6841.877	1185.884	0.000	0.000	Pass
4	6849.452	1187.107	0.000	0.000	Pass
5	6818.816	1170.839	0.000	0.000	Pass
6	6857.345	1165.275	0.000	0.000	Pass
7	6833.867	1175.924	0.000	0.000	Pass
8	6854.558	1181.262	0.000	0.000	Pass
9	6850.921	1181.010	0.000	0.000	Pass
10	6827.443	1171.945	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.09 11:26:12  
 Results file name: 989L2612.VER  
 Inspection number:  
 Item id: PWR TF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: AFAS PWR TOP

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive summed raw data

Shift register singles sum: 3889  
 Shift register reals + accidentals sum: 2  
 Shift register accidentals sum: 1  
 Shift register 1st scaler sum: 236425  
 Shift register 2nd scaler sum: 0

## Passive error messages

No known alpha calibration

## Results

Singles: 6.482 +- 0.134  
 Doubles: 0.002 +- 0.003  
 Triples: 0.000 +- 0.000  
 Scaler 1: 394.042 +- 1.156  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	375	0	0	23964	0	Pass
2	354	0	0	23365	0	Pass
3	395	1	0	23772	0	Pass
4	424	0	0	23621	0	Pass
5	383	0	0	23747	0	Pass
6	349	0	0	23862	0	Pass
7	383	0	0	23534	0	Pass
8	418	1	0	23768	0	Pass
9	413	0	1	23512	0	Pass
10	395	0	0	23280	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6.250	0.000	0.000	0.000	Pass
2	5.900	0.000	0.000	0.000	Pass
3	6.583	0.017	0.000	0.000	Pass
4	7.067	0.000	0.000	0.000	Pass
5	6.383	0.000	0.000	0.000	Pass
6	5.817	0.000	0.000	0.000	Pass
7	6.383	0.000	0.000	0.000	Pass
8	6.967	0.017	0.000	0.000	Pass
9	6.883	-0.017	0.000	0.000	Pass
10	6.583	0.000	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.09 10:05:47  
 Results file name: 999K0547.VER  
 Inspection number:  
 Item id: BWR BF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopes id: Default  
 Isotopes source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive error messages

No known alpha calibration

## Results

Singles: 447.263 +- 0.824  
 Doubles: 4.980 +- 0.219  
 Triples: 0.000 +- 0.000  
 Scaler 1: 8.860 +- 0.144  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	26709	1091	753	495	0	Pass
2	27012	1045	763	559	0	Pass
3	26745	1095	743	525	0	Pass
4	27064	1119	820	542	0	Pass
5	26700	1054	825	558	0	Pass
6	26866	1017	720	534	0	Pass
7	26613	990	746	545	0	Pass
8	26908	1103	756	477	0	Pass
9	27005	1117	798	525	0	Pass
10	26736	1041	760	556	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	445.150	5.633	0.000	0.000	Pass
2	450.200	4.700	0.000	0.000	Pass
3	445.750	5.867	0.000	0.000	Pass
4	451.067	4.983	0.000	0.000	Pass
5	445.000	3.817	0.000	0.000	Pass
6	447.767	4.950	0.000	0.000	Pass
7	443.550	4.067	0.000	0.000	Pass
8	448.467	5.783	0.000	0.000	Pass
9	450.083	5.317	0.000	0.000	Pass
10	445.600	4.683	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.09 09:50:12  
 Results file name: 999J5012.VER  
 Inspection number:  
 Item id: BWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopes id: Default  
 Isotopes source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive error messages

No known alpha calibration

## Results

Singles: 8187.499 +- 6.041  
 Doubles: 1756.668 +- 7.130  
 Triples: 0.000 +- 0.000  
 Scaler 1: 27.163 +- 0.183  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	489005	358301	255395	1575	0	Pass
2	491046	362849	257921	1650	0	Pass
3	490367	360616	256150	1639	0	Pass
4	491708	363082	256405	1604	0	Pass
5	489727	360012	256521	1657	0	Pass
6	491407	363081	256670	1601	0	Pass
7	491910	364375	258067	1643	0	Pass
8	488941	358647	255339	1650	0	Pass
9	490079	361251	256553	1686	0	Pass
10	491859	363192	257909	1593	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	8160.764	1724.108	0.000	0.000	Pass
2	8194.870	1758.023	0.000	0.000	Pass
3	8183.523	1750.270	0.000	0.000	Pass
4	8205.932	1787.340	0.000	0.000	Pass
5	8172.829	1733.923	0.000	0.000	Pass
6	8200.902	1782.877	0.000	0.000	Pass
7	8209.308	1781.161	0.000	0.000	Pass
8	8159.694	1730.842	0.000	0.000	Pass
9	8178.711	1754.152	0.000	0.000	Pass
10	8208.455	1763.987	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.09 09:33:08  
 Results file name: 999J3308.VER  
 Inspection number:  
 Item id: BWR TF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopes id: Default  
 Isotopes source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive error messages

No known alpha calibration

## Results

Singles: 227.772 +- 0.756  
 Doubles: 1.300 +- 0.155  
 Triples: 0.000 +- 0.000  
 Scaler 1: 426.275 +- 0.389  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	13525	284	190	25443	0	Pass
2	13862	308	207	25603	0	Pass
3	13817	245	223	25533	0	Pass
4	13779	259	184	25627	0	Pass
5	13576	275	190	25645	0	Pass
6	13682	302	212	25500	0	Pass
7	13424	297	179	25555	0	Pass
8	13670	253	219	25618	0	Pass
9	13774	280	193	25689	0	Pass
10	13554	264	190	25552	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	225.417	1.567	0.000	0.000	Pass
2	231.033	1.683	0.000	0.000	Pass
3	230.283	0.367	0.000	0.000	Pass
4	229.650	1.250	0.000	0.000	Pass
5	226.267	1.417	0.000	0.000	Pass
6	228.033	1.500	0.000	0.000	Pass
7	223.733	1.967	0.000	0.000	Pass
8	227.833	0.567	0.000	0.000	Pass
9	229.567	1.450	0.000	0.000	Pass
10	225.900	1.233	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.09 10:51:45  
 Results file name: 999K5145.VER  
 Inspection number:  
 Item id: PWR BF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopes id: Default  
 Isotopes source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive error messages

No known alpha calibration

## Results

Singles: 548.788 +- 1.327  
 Doubles: 7.063 +- 0.246  
 Triples: 0.000 +- 0.000  
 Scaler 1: 411.163 +- 0.582  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	33147	1576	1177	24593	0	Pass
2	32930	1581	1128	24577	0	Pass
3	32879	1554	1112	24695	0	Pass
4	32500	1512	1171	24812	0	Pass
5	33372	1617	1174	24893	0	Pass
6	32775	1533	1166	24530	0	Pass
7	32629	1572	1174	24685	0	Pass
8	33016	1584	1116	24647	0	Pass
9	33063	1598	1163	24605	0	Pass
10	32962	1623	1131	24661	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	552.450	6.650	0.000	0.000	Pass
2	548.833	7.550	0.000	0.000	Pass
3	547.983	7.367	0.000	0.000	Pass
4	541.667	5.633	0.000	0.000	Pass
5	556.200	7.383	0.000	0.000	Pass
6	546.250	6.117	0.000	0.000	Pass
7	543.817	6.633	0.000	0.000	Pass
8	550.267	7.800	0.000	0.000	Pass
9	551.050	7.250	0.000	0.000	Pass
10	549.367	8.200	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.09 10:35:40  
 Results file name: 999K3540.VER  
 Inspection number:  
 Item id: PWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopes id: Default  
 Isotopes source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive error messages

No known alpha calibration

## Results

Singles: 6696.385 +- 4.662  
 Doubles: 1144.587 +- 3.654  
 Triples: 0.000 +- 0.000  
 Scaler 1: 54.997 +- 0.333  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	401245	241038	171663	3275	0	Pass
2	402745	242345	173269	3410	0	Pass
3	400499	239230	170361	3251	0	Pass
4	401917	241426	172898	3251	0	Pass
5	402177	241240	173759	3218	0	Pass
6	400322	239376	170350	3275	0	Pass
7	400935	239612	171677	3394	0	Pass
8	401531	239780	172376	3343	0	Pass
9	402919	241981	173500	3281	0	Pass
10	401216	240973	171984	3300	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6691.286	1158.928	0.000	0.000	Pass
2	6716.315	1153.944	0.000	0.000	Pass
3	6678.838	1150.471	0.000	0.000	Pass
4	6702.499	1144.784	0.000	0.000	Pass
5	6706.838	1127.295	0.000	0.000	Pass
6	6675.885	1153.092	0.000	0.000	Pass
7	6686.114	1134.871	0.000	0.000	Pass
8	6696.058	1126.004	0.000	0.000	Pass
9	6719.219	1144.005	0.000	0.000	Pass
10	6690.802	1152.480	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.09 10:21:37  
 Results file name: 999K2137.VER  
 Inspection number:  
 Item id: PWR TF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopes id: Default  
 Isotopes source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive error messages

No known alpha calibration

## Results

Singles: 6.470 +- 0.095  
 Doubles: 0.000 +- 0.004  
 Triples: 0.000 +- 0.000  
 Scaler 1: 385.077 +- 1.022  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	405	1	0	22914	0	Pass
2	411	0	0	22752	0	Pass
3	363	0	0	22990	0	Pass
4	404	1	0	23269	0	Pass
5	358	0	0	23078	0	Pass
6	376	0	1	23312	0	Pass
7	399	1	1	23343	0	Pass
8	384	0	0	23275	0	Pass
9	396	0	1	23096	0	Pass
10	386	0	0	23017	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6.750	0.017	0.000	0.000	Pass
2	6.850	0.000	0.000	0.000	Pass
3	6.050	0.000	0.000	0.000	Pass
4	6.733	0.017	0.000	0.000	Pass
5	5.967	0.000	0.000	0.000	Pass
6	6.267	-0.017	0.000	0.000	Pass
7	6.650	0.000	0.000	0.000	Pass
8	6.400	0.000	0.000	0.000	Pass
9	6.600	-0.017	0.000	0.000	Pass
10	6.433	0.000	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.07 10:05:24  
 Results file name: 9A7K0524.VER  
 Inspection number:  
 Item id: BWR BF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.07  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.07

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive summed raw data

Shift register singles sum: 261990  
 Shift register reals + accidentals sum: 10446  
 Shift register accidentals sum: 7335  
 Shift register 1st scaler sum: 4962  
 Shift register 2nd scaler sum: 0

## Passive error messages

No known alpha calibration

## Results

Singles: 436.650 +- 1.100  
 Doubles: 5.185 +- 0.209  
 Triples: 0.000 +- 0.000  
 Scaler 1: 8.270 +- 0.109  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	26078	999	711	494	0	Pass
2	26289	1039	718	521	0	Pass
3	26250	951	731	470	0	Pass
4	26083	1035	708	497	0	Pass
5	26363	1062	722	525	0	Pass
6	25743	1035	719	508	0	Pass
7	26335	1092	730	508	0	Pass
8	26161	1124	780	475	0	Pass
9	26512	1084	784	465	0	Pass
10	26176	1025	732	499	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	434.633	4.800	0.000	0.000	Pass
2	438.150	5.350	0.000	0.000	Pass
3	437.500	3.667	0.000	0.000	Pass
4	434.717	5.450	0.000	0.000	Pass
5	439.383	5.667	0.000	0.000	Pass
6	429.050	5.267	0.000	0.000	Pass
7	438.917	6.033	0.000	0.000	Pass
8	436.017	5.733	0.000	0.000	Pass
9	441.867	5.000	0.000	0.000	Pass
10	436.267	4.883	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.07 09:50:42  
 Results file name: 9A7J5042.VER  
 Inspection number:  
 Item id: BWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.07  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.07

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive summed raw data

Shift register singles sum: 4809923  
 Shift register reals + accidentals sum: 3495041  
 Shift register accidentals sum: 2468053  
 Shift register 1st scaler sum: 15368  
 Shift register 2nd scaler sum: 0

## Passive error messages

Known alpha analysis error

## Results

Singles: 8026.871 +- 4.063  
 Doubles: 1720.489 +- 4.930  
 Triples: 0.000 +- 0.000  
 Scaler 1: 25.613 +- 0.172  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	481465	350291	247941	1562	0	Pass
2	480372	348854	246290	1516	0	Pass
3	481048	349633	247058	1517	0	Pass
4	481694	350957	246264	1502	0	Pass
5	481458	349436	248033	1504	0	Pass
6	481844	350137	247153	1531	0	Pass
7	479350	347406	244959	1612	0	Pass
8	480574	350257	246886	1547	0	Pass
9	481503	349976	246946	1544	0	Pass
10	480615	348094	246523	1533	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	8034.770	1714.654	0.000	0.000	Pass
2	8016.506	1718.219	0.000	0.000	Pass
3	8027.802	1718.416	0.000	0.000	Pass
4	8038.596	1753.910	0.000	0.000	Pass
5	8034.653	1698.789	0.000	0.000	Pass
6	8041.103	1725.282	0.000	0.000	Pass
7	7999.429	1716.240	0.000	0.000	Pass
8	8019.882	1731.742	0.000	0.000	Pass
9	8035.405	1726.047	0.000	0.000	Pass
10	8020.567	1701.588	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.07 09:35:38  
 Results file name: 9A7J3538.VER  
 Inspection number:  
 Item id: BWR TF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.07  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.07

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive summed raw data

Shift register singles sum: 133420  
 Shift register reals + accidentals sum: 2629  
 Shift register accidentals sum: 1884  
 Shift register 1st scaler sum: 251345  
 Shift register 2nd scaler sum: 0

## Passive error messages

Known alpha analysis error

## Results

Singles: 222.367 +- 0.560  
 Doubles: 1.242 +- 0.126  
 Triples: 0.000 +- 0.000  
 Scaler 1: 418.908 +- 0.525  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	13606	279	186	25304	0	Pass
2	13355	269	189	25240	0	Pass
3	13250	288	190	25042	0	Pass
4	13207	269	212	25161	0	Pass
5	13338	284	174	25038	0	Pass
6	13309	258	183	25120	0	Pass
7	13391	230	190	25088	0	Pass
8	13329	257	212	25133	0	Pass
9	13310	233	177	24993	0	Pass
10	13325	262	171	25226	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	226.767	1.550	0.000	0.000	Pass
2	222.583	1.333	0.000	0.000	Pass
3	220.833	1.633	0.000	0.000	Pass
4	220.117	0.950	0.000	0.000	Pass
5	222.300	1.833	0.000	0.000	Pass
6	221.817	1.250	0.000	0.000	Pass
7	223.183	0.667	0.000	0.000	Pass
8	222.150	0.750	0.000	0.000	Pass
9	221.833	0.933	0.000	0.000	Pass
10	222.083	1.517	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.07 10:52:41  
 Results file name: 9A7K5241.VER  
 Inspection number:  
 Item id: PWR BF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.07  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.07

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

## Passive summed raw data

Shift register singles sum: 319663  
 Shift register reals + accidentals sum: 15429  
 Shift register accidentals sum: 10889  
 Shift register 1st scaler sum: 242224  
 Shift register 2nd scaler sum: 0

## Passive results

Singles: 532.772 +- 0.954  
 Doubles: 7.567 +- 0.331  
 Triples: 0.000 +- 0.000  
 Scaler 1: 403.707 +- 0.891  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	31930	1493	1107	24145	0	Pass
2	31905	1524	1130	24056	0	Pass
3	31801	1465	1096	24148	0	Pass
4	31652	1565	1046	24059	0	Pass
5	32112	1567	1038	24488	0	Pass
6	31856	1564	1076	24382	0	Pass
7	31914	1571	1073	24204	0	Pass
8	32198	1514	1126	24449	0	Pass
9	32083	1532	1068	24020	0	Pass
10	32212	1634	1129	24273	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	532.167	6.433	0.000	0.000	Pass
2	531.750	6.567	0.000	0.000	Pass
3	530.017	6.150	0.000	0.000	Pass
4	527.533	8.650	0.000	0.000	Pass
5	535.200	8.817	0.000	0.000	Pass
6	530.933	8.133	0.000	0.000	Pass
7	531.900	8.300	0.000	0.000	Pass
8	536.633	6.467	0.000	0.000	Pass
9	534.717	7.733	0.000	0.000	Pass
10	536.867	8.417	0.000	0.000	Pass

(2)



INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.07 10:36:36  
 Results file name: 9A7K3636.VER  
 Inspection number:  
 Item id: PWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.07  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.07

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Passive summed raw data

Shift register singles sum: 3931226  
 Shift register reals + accidentals sum: 2322964  
 Shift register accidentals sum: 1648589  
 Shift register 1st scaler sum: 32067  
 Shift register 2nd scaler sum: 0

Passive results

Singles: 6555.758 +- 3.461  
 Doubles: 1126.509 +- 4.434  
 Triples: 0.000 +- 0.000  
 Scaler 1: 53.445 +- 0.271  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	393254	233290	165911	3184	0	Pass
2	392608	230737	164753	3242	0	Pass
3	392910	231286	163933	3282	0	Pass
4	392818	231115	164224	3173	0	Pass
5	394198	233898	166324	3162	0	Pass
6	393650	232903	165521	3235	0	Pass
7	392947	232089	164535	3227	0	Pass
8	393996	234316	165311	3198	0	Pass
9	392073	231376	162927	3109	0	Pass
10	392772	231954	165150	3255	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6557.950	1125.533	0.000	0.000	Pass
2	6547.171	1102.226	0.000	0.000	Pass
3	6552.210	1125.096	0.000	0.000	Pass
4	6550.675	1117.378	0.000	0.000	Pass
5	6573.701	1128.796	0.000	0.000	Pass
6	6564.558	1125.586	0.000	0.000	Pass
7	6552.828	1128.454	0.000	0.000	Pass
8	6570.331	1152.699	0.000	0.000	Pass
9	6538.245	1143.399	0.000	0.000	Pass
10	6549.908	1115.925	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.07 10:21:28  
 Results file name: 9A7K2128.VER  
 Inspection number:  
 Item id: PWR TF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.07  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.07

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

Passive summed raw data

Shift register singles sum: 3697  
 Shift register reals + accidentals sum: 4  
 Shift register accidentals sum: 2  
 Shift register 1st scaler sum: 225375  
 Shift register 2nd scaler sum: 0

Passive error messages

No known alpha calibration

Results

Singles: 6.162 +- 0.122  
 Doubles: 0.003 +- 0.005  
 Triples: 0.000 +- 0.000  
 Scaler 1: 375.625 +- 0.738  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	335	1	0	22491	0	Pass
2	414	0	1	22731	0	Pass
3	389	0	0	22601	0	Pass
4	354	0	0	22639	0	Pass
5	386	0	0	22684	0	Pass
6	369	1	0	22313	0	Pass
7	349	0	1	22561	0	Pass
8	352	0	0	22559	0	Pass
9	373	2	0	22471	0	Pass
10	376	0	0	22325	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	5.583	0.017	0.000	0.000	Pass
2	6.900	-0.017	0.000	0.000	Pass
3	6.483	0.000	0.000	0.000	Pass
4	5.900	0.000	0.000	0.000	Pass
5	6.433	0.000	0.000	0.000	Pass
6	6.150	0.017	0.000	0.000	Pass
7	5.817	-0.017	0.000	0.000	Pass
8	5.867	0.000	0.000	0.000	Pass
9	6.217	0.033	0.000	0.000	Pass
10	6.267	0.000	0.000	0.000	Pass

(2)

INCC 5.1.2

```

Facility: JMOX
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR_02
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 19.11.05 10:10:05
Results file name: 9B5K1005.VER
Inspection number:
Item id: BWR BF
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name: JAEA
Passive comment:

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 19.11.05
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 19.11.05

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.0060
Multiplicity deadtime: 0.0000
Coefficient A deadtime: 0.0000
Coefficient B deadtime: 0.0000
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 0.000 +- 0.000
Passive doubles bkgnd: 0.000 +- 0.000
Passive triples bkgnd: 0.000 +- 0.000
Passive scaler1 bkgnd: 0.000
Passive scaler2 bkgnd: 0.000

Number passive cycles: 10
Count time (sec): 60

```

(1)

Passive summed raw data

```

Shift register singles sum: 258073
Shift register reals + accidentals sum: 9970
Shift register accidentals sum: 7008
Shift register 1st scaler sum: 5129
Shift register 2nd scaler sum: 0

```

Passive error messages

No known alpha calibration

Results

```

Singles: 430.122 +- 0.777
Doubles: 4.937 +- 0.183
Triples: 0.000 +- 0.000
Scaler 1: 8.548 +- 0.113
Scaler 2: 0.000 +- 0.000

```

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	25775	1020	704	521	0	Pass
2	25818	978	687	535	0	Pass
3	25788	985	737	491	0	Pass
4	25636	929	615	504	0	Pass
5	25947	1000	707	509	0	Pass
6	26036	1029	713	547	0	Pass
7	25785	1037	690	496	0	Pass
8	25523	1026	696	494	0	Pass
9	25872	960	712	540	0	Pass
10	25893	1006	747	492	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	429.583	5.267	0.000	0.000	Pass
2	430.300	4.850	0.000	0.000	Pass
3	429.800	4.133	0.000	0.000	Pass
4	427.267	5.233	0.000	0.000	Pass
5	432.450	4.883	0.000	0.000	Pass
6	433.933	5.267	0.000	0.000	Pass
7	429.750	5.783	0.000	0.000	Pass
8	425.383	5.500	0.000	0.000	Pass
9	431.200	4.133	0.000	0.000	Pass
10	431.550	4.317	0.000	0.000	Pass

(2)

INCC 5.1.2

```

Facility: JMOX
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR_01
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 19.11.05 09:55:04
Results file name: 9B5J5504.VER
Inspection number:
Item id: BWR COLLAR
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name: JAEA
Passive comment:

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 19.11.05
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 19.11.05

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.1970
Multiplicity deadtime: 160.0000
Coefficient A deadtime: 0.6419
Coefficient B deadtime: 0.1030
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 0.000 +- 0.000
Passive doubles bkgnd: 0.000 +- 0.000
Passive triples bkgnd: 0.000 +- 0.000
Passive scaler1 bkgnd: 0.000
Passive scaler2 bkgnd: 0.000

Number passive cycles: 10
Count time (sec): 60

```

(1)

Passive summed raw data

```

Shift register singles sum: 4711559
Shift register reals + accidentals sum: 3368384
Shift register accidentals sum: 2366920
Shift register 1st scaler sum: 15705
Shift register 2nd scaler sum: 0

```

Passive error messages

Known alpha analysis error

Results

```

Singles: 7862.512 +- 3.821
Doubles: 1679.227 +- 6.244
Triples: 0.000 +- 0.000
Scaler 1: 26.175 +- 0.152
Scaler 2: 0.000 +- 0.000

```

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	470470	335688	236243	1552	0	Pass
2	471364	338433	236085	1596	0	Pass
3	471855	336922	237558	1582	0	Pass
4	472430	337248	238035	1591	0	Pass
5	470538	335094	236754	1555	0	Pass
6	471230	337999	237462	1568	0	Pass
7	469980	336003	235422	1520	0	Pass
8	471428	337359	236718	1617	0	Pass
9	471475	337011	236506	1542	0	Pass
10	470789	337627	236137	1582	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7851.052	1665.790	0.000	0.000	Pass
2	7865.990	1714.435	0.000	0.000	Pass
3	7874.194	1664.458	0.000	0.000	Pass
4	7883.801	1661.939	0.000	0.000	Pass
5	7852.188	1647.282	0.000	0.000	Pass
6	7863.751	1684.096	0.000	0.000	Pass
7	7842.865	1684.811	0.000	0.000	Pass
8	7867.059	1685.842	0.000	0.000	Pass
9	7867.844	1683.564	0.000	0.000	Pass
10	7856.382	1700.052	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.05 09:39:00  
 Results file name: 9B5J3900.VER  
 Inspection number:  
 Item id: BWR TF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.05  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60

(1)

Passive summed raw data

Shift register singles sum: 130996  
 Shift register reals + accidentals sum: 2582  
 Shift register accidentals sum: 1888  
 Shift register 1st scaler sum: 246130  
 Shift register 2nd scaler sum: 0

Passive error messages

Known alpha analysis error

Results

Singles: 218.327 +- 0.864  
 Doubles: 1.157 +- 0.122  
 Triples: 0.000 +- 0.000  
 Scaler 1: 410.217 +- 0.637  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	13140	271	185	24633	0	Pass
2	13029	244	194	24505	0	Pass
3	13135	244	192	24531	0	Pass
4	13225	255	198	24671	0	Pass
5	13023	266	192	24588	0	Pass
6	13099	267	160	24877	0	Pass
7	13076	287	181	24477	0	Pass
8	13151	261	195	24690	0	Pass
9	13380	241	196	24501	0	Pass
10	12738	246	195	24657	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	219.000	1.433	0.000	0.000	Pass
2	217.150	0.833	0.000	0.000	Pass
3	218.917	0.867	0.000	0.000	Pass
4	220.417	0.950	0.000	0.000	Pass
5	217.050	1.233	0.000	0.000	Pass
6	218.317	1.783	0.000	0.000	Pass
7	217.933	1.767	0.000	0.000	Pass
8	219.183	1.100	0.000	0.000	Pass
9	223.000	0.750	0.000	0.000	Pass
10	212.300	0.850	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.05 10:56:31  
 Results file name: 9B5K5631.VER  
 Inspection number:  
 Item id: PWR BF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.05  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60

(1)

Passive summed raw data

Shift register singles sum: 315521  
 Shift register reals + accidentals sum: 14751  
 Shift register accidentals sum: 10392  
 Shift register 1st scaler sum: 237705  
 Shift register 2nd scaler sum: 0

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 525.868 +- 1.053  
 Doubles: 7.232 +- 0.266  
 Triples: 0.000 +- 0.000  
 Scaler 1: 396.175 +- 0.654  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	31467	1494	977	23706	0	Pass
2	31741	1480	1083	23587	0	Pass
3	31480	1462	1051	23725	0	Pass
4	31577	1378	1011	23675	0	Pass
5	31392	1460	997	23658	0	Pass
6	31560	1471	1066	23801	0	Pass
7	31612	1508	1034	23781	0	Pass
8	31956	1550	1051	23889	0	Pass
9	31527	1521	1106	23900	0	Pass
10	31209	1407	1016	23983	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	524.450	8.617	0.000	0.000	Pass
2	529.017	6.617	0.000	0.000	Pass
3	524.667	6.850	0.000	0.000	Pass
4	526.283	6.117	0.000	0.000	Pass
5	523.200	7.717	0.000	0.000	Pass
6	526.000	6.750	0.000	0.000	Pass
7	526.867	7.900	0.000	0.000	Pass
8	532.600	8.317	0.000	0.000	Pass
9	525.450	6.917	0.000	0.000	Pass
10	520.150	6.517	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.05 10:41:27  
 Results file name: 9B5K4127.VER  
 Inspection number:  
 Item id: PWR COLLAR  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.05 10:25:09  
 Results file name: 9B5K2509.VER  
 Inspection number:  
 Item id: PWR TF  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

Passive summed raw data

Shift register singles sum: 3858050  
 Shift register reals + accidentals sum: 2251713  
 Shift register accidentals sum: 1589256  
 Shift register 1st scaler sum: 31475  
 Shift register 2nd scaler sum: 0

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 6433.661 +- 4.210  
 Doubles: 1106.554 +- 4.067  
 Triples: 0.000 +- 0.000  
 Scaler 1: 52.458 +- 0.430  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	384675	222761	158174	3165	0	Pass
2	385435	224510	157878	3164	0	Pass
3	386040	225197	158379	3206	0	Pass
4	385630	226058	159890	3072	0	Pass
5	385586	223921	158687	3007	0	Pass
6	386894	226755	159745	3177	0	Pass
7	386276	225812	158962	3029	0	Pass
8	386991	226343	159941	3213	0	Pass
9	385885	225210	159013	3208	0	Pass
10	384638	225146	158587	3234	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6414.806	1078.840	0.000	0.000	Pass
2	6427.487	1113.004	0.000	0.000	Pass
3	6437.582	1116.115	0.000	0.000	Pass
4	6430.741	1105.255	0.000	0.000	Pass
5	6430.007	1089.653	0.000	0.000	Pass
6	6451.831	1119.328	0.000	0.000	Pass
7	6441.519	1116.651	0.000	0.000	Pass
8	6453.449	1109.172	0.000	0.000	Pass
9	6434.995	1105.741	0.000	0.000	Pass
10	6414.189	1111.780	0.000	0.000	Pass

(2)

Passive summed raw data

Shift register singles sum: 3796  
 Shift register reals + accidentals sum: 4  
 Shift register accidentals sum: 2  
 Shift register 1st scaler sum: 221031  
 Shift register 2nd scaler sum: 0

Passive error messages

No known alpha calibration

Results

Singles: 6.327 +- 0.081  
 Doubles: 0.003 +- 0.005  
 Triples: 0.000 +- 0.000  
 Scaler 1: 368.385 +- 0.858  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	389	0	1	22265	0	Pass
2	386	0	0	22054	0	Pass
3	364	0	1	21965	0	Pass
4	376	1	0	21927	0	Pass
5	361	0	0	22047	0	Pass
6	397	0	0	22395	0	Pass
7	403	2	0	21935	0	Pass
8	385	0	0	21993	0	Pass
9	378	0	0	22201	0	Pass
10	357	1	0	22249	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6.483	-0.017	0.000	0.000	Pass
2	6.433	0.000	0.000	0.000	Pass
3	6.067	-0.017	0.000	0.000	Pass
4	6.267	0.017	0.000	0.000	Pass
5	6.017	0.000	0.000	0.000	Pass
6	6.617	0.000	0.000	0.000	Pass
7	6.717	0.033	0.000	0.000	Pass
8	6.417	0.000	0.000	0.000	Pass
9	6.300	0.000	0.000	0.000	Pass
10	5.950	0.017	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.04 09:57:10  
 Results file name: 9C4J5710.VER  
 Inspection number:  
 Item id: BWR BF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopes id: Default  
 Isotopes source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive error messages

No known alpha calibration

## Results

Singles: 421.273 +- 0.912  
 Doubles: 4.893 +- 0.230  
 Triples: 0.000 +- 0.000  
 Scaler 1: 8.450 +- 0.101  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	25387	1023	687	500	0	Pass
2	25382	955	657	476	0	Pass
3	25159	936	665	537	0	Pass
4	25315	951	717	526	0	Pass
5	25628	992	681	498	0	Pass
6	25033	947	652	490	0	Pass
7	25130	986	681	530	0	Pass
8	25325	976	658	506	0	Pass
9	25283	1025	670	497	0	Pass
10	25122	946	733	510	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	423.117	5.600	0.000	0.000	Pass
2	423.033	4.967	0.000	0.000	Pass
3	419.317	4.517	0.000	0.000	Pass
4	421.917	3.900	0.000	0.000	Pass
5	427.133	5.183	0.000	0.000	Pass
6	417.217	4.917	0.000	0.000	Pass
7	418.833	5.063	0.000	0.000	Pass
8	422.083	5.300	0.000	0.000	Pass
9	421.383	5.917	0.000	0.000	Pass
10	418.700	3.550	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.04 09:41:43  
 Results file name: 9C4J4143.VER  
 Inspection number:  
 Item id: BWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopes id: Default  
 Isotopes source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive error messages

Known alpha analysis error

## Results

Singles: 7708.792 +- 4.659  
 Doubles: 1641.464 +- 4.609  
 Triples: 0.000 +- 0.000  
 Scaler 1: 25.287 +- 0.302  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	462054	326528	227854	1564	0	Pass
2	460478	323217	226535	1596	0	Pass
3	461917	325475	228051	1456	0	Pass
4	462652	325641	227638	1430	0	Pass
5	461907	326502	227152	1511	0	Pass
6	462110	326232	228124	1497	0	Pass
7	462698	326422	227906	1609	0	Pass
8	462573	326826	227963	1490	0	Pass
9	462826	325407	228489	1508	0	Pass
10	460342	323284	225805	1511	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7710.434	1652.726	0.000	0.000	Pass
2	7684.103	1619.334	0.000	0.000	Pass
3	7708.145	1631.787	0.000	0.000	Pass
4	7720.426	1641.498	0.000	0.000	Pass
5	7707.978	1664.046	0.000	0.000	Pass
6	7711.370	1643.247	0.000	0.000	Pass
7	7721.194	1650.091	0.000	0.000	Pass
8	7719.106	1655.901	0.000	0.000	Pass
9	7723.333	1623.328	0.000	0.000	Pass
10	7681.831	1632.681	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.04 09:27:39  
 Results file name: 9C4J2739.VER  
 Inspection number:  
 Item id: BWR TF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopes id: Default  
 Isotopes source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive error messages

## Known alpha analysis error

## Results

Singles: 214.030 +- 0.493  
 Doubles: 1.313 +- 0.143  
 Triples: 0.000 +- 0.000  
 Scaler 1: 403.327 +- 0.437  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	12805	274	161	24248	0	Pass
2	12836	243	174	24187	0	Pass
3	12911	251	171	24171	0	Pass
4	12790	224	180	24283	0	Pass
5	12759	245	175	24168	0	Pass
6	12905	289	164	24183	0	Pass
7	12979	245	189	24165	0	Pass
8	12731	230	159	24369	0	Pass
9	12969	236	182	24159	0	Pass
10	12733	276	170	24063	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	213.417	1.883	0.000	0.000	Pass
2	213.933	1.150	0.000	0.000	Pass
3	215.183	1.333	0.000	0.000	Pass
4	213.167	0.733	0.000	0.000	Pass
5	212.650	1.167	0.000	0.000	Pass
6	215.083	2.083	0.000	0.000	Pass
7	216.317	0.933	0.000	0.000	Pass
8	212.183	1.183	0.000	0.000	Pass
9	216.150	0.900	0.000	0.000	Pass
10	212.217	1.767	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.04 10:44:22  
 Results file name: 9C4K4422.VER  
 Inspection number:  
 Item id: PWR BF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopes id: Default  
 Isotopes source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive error messages

## No passive calibration curve calibration

## No known alpha calibration

## Results

Singles: 517.218 +- 0.810  
 Doubles: 6.413 +- 0.172  
 Triples: 0.000 +- 0.000  
 Scaler 1: 388.027 +- 0.590  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	31104	1437	1022	23332	0	Pass
2	30885	1400	1012	23367	0	Pass
3	31068	1441	1062	23363	0	Pass
4	30896	1357	1026	23372	0	Pass
5	31075	1416	1071	23179	0	Pass
6	31074	1406	1034	23131	0	Pass
7	30866	1398	1017	23207	0	Pass
8	31033	1453	1041	23382	0	Pass
9	31388	1437	1054	23107	0	Pass
10	30942	1389	947	23376	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	518.400	6.917	0.000	0.000	Pass
2	514.750	6.467	0.000	0.000	Pass
3	517.800	6.317	0.000	0.000	Pass
4	514.933	5.517	0.000	0.000	Pass
5	517.917	5.750	0.000	0.000	Pass
6	517.900	6.200	0.000	0.000	Pass
7	514.433	6.350	0.000	0.000	Pass
8	517.217	6.867	0.000	0.000	Pass
9	523.133	6.383	0.000	0.000	Pass
10	515.700	7.367	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.04 10:28:18  
 Results file name: 9C4K2818.VER  
 Inspection number:  
 Item id: PWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopes id: Default  
 Isotopes source code: 0D  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

## Results

Singles: 6294.548 +- 5.128  
 Doubles: 1087.162 +- 3.410  
 Triples: 0.000 +- 0.000  
 Scaler 1: 51.593 +- 0.232  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	377578	217118	152181	3031	0	Pass
2	376974	215385	151161	3066	0	Pass
3	378045	218067	151961	3099	0	Pass
4	378292	217662	152793	3048	0	Pass
5	377870	217411	151695	3121	0	Pass
6	377116	216652	150995	3069	0	Pass
7	376113	215743	151238	3114	0	Pass
8	378794	217655	152838	3104	0	Pass
9	378131	216750	152342	3184	0	Pass
10	375761	215495	149855	3120	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6296.393	1084.642	0.000	0.000	Pass
2	6286.315	1072.729	0.000	0.000	Pass
3	6304.185	1104.171	0.000	0.000	Pass
4	6308.306	1083.511	0.000	0.000	Pass
5	6301.265	1097.656	0.000	0.000	Pass
6	6288.685	1096.666	0.000	0.000	Pass
7	6271.950	1077.418	0.000	0.000	Pass
8	6316.682	1082.646	0.000	0.000	Pass
9	6305.620	1075.810	0.000	0.000	Pass
10	6266.077	1096.373	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.04 10:13:14  
 Results file name: 9C4K1314.VER  
 Inspection number:  
 Item id: PWR TF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopes id: Default  
 Isotopes source code: 0D  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive error messages

No known alpha calibration

## Results

Singles: 6.037 +- 0.111  
 Doubles: 0.000 +- 0.004  
 Triples: 0.000 +- 0.000  
 Scaler 1: 361.200 +- 0.617  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	373	1	0	21821	0	Pass
2	331	0	0	21700	0	Pass
3	394	1	0	21465	0	Pass
4	366	0	0	21591	0	Pass
5	356	0	0	21822	0	Pass
6	377	0	0	21705	0	Pass
7	348	0	1	21631	0	Pass
8	356	0	0	21753	0	Pass
9	387	0	1	21696	0	Pass
10	334	0	0	21536	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6.217	0.017	0.000	0.000	Pass
2	5.517	0.000	0.000	0.000	Pass
3	6.567	0.017	0.000	0.000	Pass
4	6.100	0.000	0.000	0.000	Pass
5	5.933	0.000	0.000	0.000	Pass
6	6.283	0.000	0.000	0.000	Pass
7	5.800	-0.017	0.000	0.000	Pass
8	5.933	0.000	0.000	0.000	Pass
9	6.450	-0.017	0.000	0.000	Pass
10	5.567	0.000	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.08 10:04:49  
 Results file name: 018K0449.VER  
 Inspection number:  
 Item id: BWR BF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopes id: Default  
 Isotopes source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.08  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive error messages

No known alpha calibration

## Results

Singles: 409.043 +- 0.578  
 Doubles: 4.860 +- 0.249  
 Triples: 0.000 +- 0.000  
 Scaler 1: 8.290 +- 0.139  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	24529	922	648	537	0	Pass
2	24600	924	700	509	0	Pass
3	24718	978	606	499	0	Pass
4	24600	931	638	469	0	Pass
5	24516	892	645	491	0	Pass
6	24317	915	595	488	0	Pass
7	24575	928	642	537	0	Pass
8	24500	927	679	455	0	Pass
9	24625	952	654	484	0	Pass
10	24446	991	637	505	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	408.817	4.567	0.000	0.000	Pass
2	410.000	3.733	0.000	0.000	Pass
3	411.967	6.200	0.000	0.000	Pass
4	410.000	4.883	0.000	0.000	Pass
5	408.600	4.117	0.000	0.000	Pass
6	405.283	5.333	0.000	0.000	Pass
7	409.583	4.767	0.000	0.000	Pass
8	408.333	4.133	0.000	0.000	Pass
9	410.417	4.967	0.000	0.000	Pass
10	407.433	5.900	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.08 09:49:45  
 Results file name: 018J4945.VER  
 Inspection number:  
 Item id: BWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopes id: Default  
 Isotopes source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.08  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive error messages

Known alpha analysis error

## Results

Singles: 7511.872 +- 4.197  
 Doubles: 1609.944 +- 5.392  
 Triples: 0.000 +- 0.000  
 Scaler 1: 24.717 +- 0.186  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	450237	311782	215965	1472	0	Pass
2	448423	310952	215880	1506	0	Pass
3	449971	312001	214906	1438	0	Pass
4	448455	310375	216059	1507	0	Pass
5	450528	312970	216767	1538	0	Pass
6	450943	313631	216447	1501	0	Pass
7	448951	310020	214595	1427	0	Pass
8	451288	313040	216388	1482	0	Pass
9	451138	312437	216444	1453	0	Pass
10	449759	311600	214137	1506	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7513.003	1604.670	0.000	0.000	Pass
2	7499.403	1592.179	0.000	0.000	Pass
3	7508.559	1627.743	0.000	0.000	Pass
4	7499.938	1579.519	0.000	0.000	Pass
5	7517.864	1611.139	0.000	0.000	Pass
6	7524.798	1627.576	0.000	0.000	Pass
7	7491.518	1598.083	0.000	0.000	Pass
8	7530.562	1618.672	0.000	0.000	Pass
9	7528.056	1607.633	0.000	0.000	Pass
10	7505.017	1632.228	0.000	0.000	Pass

(2)



## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.08 09:33:41  
 Results file name: 018J3341.VER  
 Inspection number:  
 Item id: BWR TF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopes id: Default  
 Isotopes source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.08

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive error messages

## Known alpha analysis error

## Results

Singles: 208.662 +- 0.569  
 Doubles: 1.173 +- 0.091  
 Triples: 0.000 +- 0.000  
 Scaler 1: 391.762 +- 0.934  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	12445	226	134	23325	0	Pass
2	12464	241	171	23454	0	Pass
3	12521	239	160	23442	0	Pass
4	12462	240	178	23382	0	Pass
5	12653	248	166	23782	0	Pass
6	12418	240	167	23346	0	Pass
7	12386	255	160	23503	0	Pass
8	12515	223	167	23799	0	Pass
9	12623	230	188	23653	0	Pass
10	12710	239	186	23371	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	207.417	1.533	0.000	0.000	Pass
2	207.733	1.167	0.000	0.000	Pass
3	208.683	1.317	0.000	0.000	Pass
4	207.700	1.033	0.000	0.000	Pass
5	210.883	1.367	0.000	0.000	Pass
6	206.967	1.217	0.000	0.000	Pass
7	206.433	1.563	0.000	0.000	Pass
8	208.583	0.933	0.000	0.000	Pass
9	210.383	0.700	0.000	0.000	Pass
10	211.833	0.883	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.08 10:52:02  
 Results file name: 018K5202.VER  
 Inspection number:  
 Item id: BWR BF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopes id: Default  
 Isotopes source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.08

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive error messages

## No passive calibration curve calibration

## No known alpha calibration

## Results

Singles: 504.895 +- 0.940  
 Doubles: 7.228 +- 0.186  
 Triples: 0.000 +- 0.000  
 Scaler 1: 378.372 +- 0.992  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	30311	1378	961	22660	0	Pass
2	30370	1414	993	22959	0	Pass
3	30299	1402	991	22788	0	Pass
4	30323	1450	954	22508	0	Pass
5	30204	1355	978	22677	0	Pass
6	30415	1431	998	22710	0	Pass
7	29953	1449	976	22868	0	Pass
8	30067	1360	947	22360	0	Pass
9	30443	1425	997	22578	0	Pass
10	30552	1437	969	22915	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	505.183	6.950	0.000	0.000	Pass
2	506.167	7.017	0.000	0.000	Pass
3	504.983	6.850	0.000	0.000	Pass
4	505.383	8.267	0.000	0.000	Pass
5	503.400	6.283	0.000	0.000	Pass
6	506.917	7.217	0.000	0.000	Pass
7	499.217	7.883	0.000	0.000	Pass
8	501.117	6.883	0.000	0.000	Pass
9	507.383	7.133	0.000	0.000	Pass
10	509.200	7.800	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.08 10:35:57  
 Results file name: 018K3557.VER  
 Inspection number:  
 Item id: PWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopes id: Default  
 Isotopes source code: 0D

Pu238:	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu239:	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu240:	100.0000 +- 0.0000	100.0000 +- 0.0000
Pu241:	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu242:	0.0000 +- 0.0000	0.0000 +- 0.0000

Pu date: 00.01.01 20.01.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.08

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 9  
 Count time (sec): 60

(1)

## Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

## Results

Singles: 6144.869 +- 4.627  
 Doubles: 1060.343 +- 3.923  
 Triples: 0.000 +- 0.000  
 Scaler 1: 50.478 +- 0.297  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	368614	207872	144508	3050	0	Pass
2	368335	208049	144513	3023	0	Pass
3	367279	207390	144071	3002	0	Pass
4	368269	207323	144533	3084	0	Pass
5	369308	208571	145670	3051	0	Pass
6	367432	208003	143476	3069	0	Pass
7	368260	207444	145004	3084	0	Pass
8	369201	210008	145570	2935	0	Pass
9	369769	210030	146975	2960	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6146.832	1058.314	0.000	0.000	Pass
2	6142.177	1061.185	0.000	0.000	Pass
3	6124.559	1057.554	0.000	0.000	Pass
4	6141.076	1048.725	0.000	0.000	Pass
5	6158.411	1067.287	0.000	0.000	Pass
6	6127.111	1077.731	0.000	0.000	Pass
7	6140.926	1042.879	0.000	0.000	Pass
8	6156.626	1076.256	0.000	0.000	Pass
9	6166.103	1053.160	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.08 10:19:53  
 Results file name: 018K1953.VER  
 Inspection number:  
 Item id: PWR TF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopes id: Default  
 Isotopes source code: 0D

Pu238:	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu239:	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu240:	100.0000 +- 0.0000	100.0000 +- 0.0000
Pu241:	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu242:	0.0000 +- 0.0000	0.0000 +- 0.0000

Pu date: 00.01.01 20.01.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.08

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive error messages

No known alpha calibration

## Results

Singles: 5.813 +- 0.086  
 Doubles: 0.000 +- 0.004  
 Triples: 0.000 +- 0.000  
 Scaler 1: 352.960 +- 0.669  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	358	0	0	21254	0	Pass
2	326	1	0	21083	0	Pass
3	348	0	1	20909	0	Pass
4	346	0	0	21343	0	Pass
5	378	1	0	21254	0	Pass
6	330	0	0	21091	0	Pass
7	368	0	0	21129	0	Pass
8	354	0	1	21227	0	Pass
9	341	0	0	21289	0	Pass
10	339	0	0	21197	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	5.967	0.000	0.000	0.000	Pass
2	5.433	0.017	0.000	0.000	Pass
3	5.800	-0.017	0.000	0.000	Pass
4	5.767	0.000	0.000	0.000	Pass
5	6.300	0.017	0.000	0.000	Pass
6	5.500	0.000	0.000	0.000	Pass
7	6.133	0.000	0.000	0.000	Pass
8	5.900	-0.017	0.000	0.000	Pass
9	5.683	0.000	0.000	0.000	Pass
10	5.650	0.000	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.04 10:11:50  
 Results file name: 024K1150.VER  
 Inspection number:  
 Item id: BWR BF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopes id: Default  
 Isotopes source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive error messages

No known alpha calibration

## Results

Singles: 402.465 +- 0.644  
 Doubles: 4.572 +- 0.144  
 Triples: 0.000 +- 0.000  
 Scaler 1: 8.323 +- 0.076  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	24039	868	607	491	0	Pass
2	24137	880	650	533	0	Pass
3	24022	885	611	495	0	Pass
4	24179	873	584	489	0	Pass
5	24331	916	661	503	0	Pass
6	23974	891	558	494	0	Pass
7	24340	901	642	504	0	Pass
8	24096	913	622	500	0	Pass
9	24188	890	613	506	0	Pass
10	24173	903	629	479	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	400.650	4.350	0.000	0.000	Pass
2	402.283	3.833	0.000	0.000	Pass
3	400.367	4.567	0.000	0.000	Pass
4	402.983	4.817	0.000	0.000	Pass
5	405.517	4.250	0.000	0.000	Pass
6	399.567	5.550	0.000	0.000	Pass
7	405.667	4.317	0.000	0.000	Pass
8	401.600	4.850	0.000	0.000	Pass
9	403.133	4.617	0.000	0.000	Pass
10	402.883	4.567	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.04 09:54:37  
 Results file name: 024J5437.VER  
 Inspection number:  
 Item id: BWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopes id: Default  
 Isotopes source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive error messages

Known alpha analysis error

## Results

Singles: 7363.783 +- 4.466  
 Doubles: 1572.879 +- 5.126  
 Triples: 0.000 +- 0.000  
 Scaler 1: 24.248 +- 0.181  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	440611	301270	207383	1447	0	Pass
2	441691	303223	207387	1485	0	Pass
3	442316	302888	209747	1431	0	Pass
4	440977	299795	207238	1445	0	Pass
5	441325	301379	207932	1482	0	Pass
6	441582	302067	207928	1464	0	Pass
7	439567	298351	205403	1387	0	Pass
8	442023	302414	207837	1430	0	Pass
9	440774	301281	207250	1471	0	Pass
10	442186	302937	208223	1507	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7352.186	1572.186	0.000	0.000	Pass
2	7370.229	1604.841	0.000	0.000	Pass
3	7380.670	1559.722	0.000	0.000	Pass
4	7358.300	1549.920	0.000	0.000	Pass
5	7364.114	1564.830	0.000	0.000	Pass
6	7368.408	1576.422	0.000	0.000	Pass
7	7334.745	1556.444	0.000	0.000	Pass
8	7375.775	1583.764	0.000	0.000	Pass
9	7354.909	1574.600	0.000	0.000	Pass
10	7378.498	1586.061	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.04 09:38:33  
 Results file name: 024J3833.VER  
 Inspection number:  
 Item id: BWR TF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopes id: Default  
 Isotopes source code: OD

Pu238:	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu239:	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu240:	100.0000 +- 0.0000	100.0000 +- 0.0000
Pu241:	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu242:	0.0000 +- 0.0000	0.0000 +- 0.0000

Pu date: 00.01.01 20.02.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive error messages

## Known alpha analysis error

## Results

Singles: 206.647 +- 0.755  
 Doubles: 1.232 +- 0.044  
 Triples: 0.000 +- 0.000  
 Scaler 1: 384.512 +- 0.843  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	12685	247	167	22943	0	Pass
2	12380	237	157	23050	0	Pass
3	12259	242	163	23299	0	Pass
4	12249	226	154	23044	0	Pass
5	12298	233	168	23067	0	Pass
6	12435	240	165	22970	0	Pass
7	12483	226	162	23290	0	Pass
8	12336	243	177	23224	0	Pass
9	12298	217	149	22793	0	Pass
10	12565	266	176	23027	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	211.417	1.333	0.000	0.000	Pass
2	206.333	1.333	0.000	0.000	Pass
3	204.317	1.317	0.000	0.000	Pass
4	204.150	1.200	0.000	0.000	Pass
5	204.967	1.083	0.000	0.000	Pass
6	207.250	1.250	0.000	0.000	Pass
7	208.050	1.067	0.000	0.000	Pass
8	205.600	1.100	0.000	0.000	Pass
9	204.967	1.133	0.000	0.000	Pass
10	209.417	1.500	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.04 10:56:21  
 Results file name: 024K5621.VER  
 Inspection number:  
 Item id: PWR BF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopes id: Default  
 Isotopes source code: OD

Pu238:	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu239:	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu240:	100.0000 +- 0.0000	100.0000 +- 0.0000
Pu241:	0.0000 +- 0.0000	0.0000 +- 0.0000
Pu242:	0.0000 +- 0.0000	0.0000 +- 0.0000

Pu date: 00.01.01 20.02.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive error messages

## No passive calibration curve calibration

## No known alpha calibration

## Results

Singles: 495.867 +- 1.013  
 Doubles: 6.997 +- 0.190  
 Triples: 0.000 +- 0.000  
 Scaler 1: 371.160 +- 0.573  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	29761	1348	924	22112	0	Pass
2	29952	1365	922	22224	0	Pass
3	30045	1332	920	22118	0	Pass
4	29682	1348	912	22371	0	Pass
5	29742	1388	999	22207	0	Pass
6	29395	1319	921	22229	0	Pass
7	29626	1396	893	22358	0	Pass
8	29962	1377	972	22414	0	Pass
9	29718	1342	926	22377	0	Pass
10	29637	1338	966	22286	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	496.017	7.067	0.000	0.000	Pass
2	499.200	7.383	0.000	0.000	Pass
3	500.750	6.867	0.000	0.000	Pass
4	494.700	7.267	0.000	0.000	Pass
5	495.700	6.483	0.000	0.000	Pass
6	489.917	6.633	0.000	0.000	Pass
7	493.767	8.383	0.000	0.000	Pass
8	499.367	6.750	0.000	0.000	Pass
9	495.300	6.933	0.000	0.000	Pass
10	493.950	6.200	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.04 10:41:17  
 Results file name: 024K4117.VER  
 Inspection number:  
 Item id: PWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopes id: Default  
 Isotopes source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3457  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

## Results

Singles: 6022.365 +- 3.810  
 Doubles: 1030.518 +- 2.914  
 Triples: 0.000 +- 0.000  
 Scaler 1: 49.815 +- 0.217  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	361186	200235	139320	2960	0	Pass
2	362483	202179	140388	3021	0	Pass
3	360612	200437	138471	2985	0	Pass
4	361290	201442	139989	2980	0	Pass
5	359746	198446	137707	2984	0	Pass
6	361570	201738	139514	3004	0	Pass
7	360810	200619	138163	2981	0	Pass
8	361043	200870	139126	3060	0	Pass
9	361079	200646	138499	2903	0	Pass
10	361728	200972	139382	3011	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6022.901	1017.366	0.000	0.000	Pass
2	6044.540	1032.004	0.000	0.000	Pass
3	6013.324	1034.916	0.000	0.000	Pass
4	6024.469	1026.352	0.000	0.000	Pass
5	5998.909	1014.418	0.000	0.000	Pass
6	6029.308	1039.231	0.000	0.000	Pass
7	6016.628	1043.101	0.000	0.000	Pass
8	6020.515	1031.211	0.000	0.000	Pass
9	6021.116	1037.942	0.000	0.000	Pass
10	6031.944	1028.643	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.04 10:25:54  
 Results file name: 024K2554.VER  
 Inspection number:  
 Item id: PWR TF  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopes id: Default  
 Isotopes source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

(1)

## Passive error messages

No known alpha calibration

## Results

Singles: 5.948 +- 0.128  
 Doubles: 0.007 +- 0.004  
 Triples: 0.000 +- 0.000  
 Scaler 1: 347.197 +- 0.633  
 Scaler 2: 0.000 +- 0.000

## Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	370	1	0	20771	0	Pass
2	321	0	0	20727	0	Pass
3	338	0	0	20954	0	Pass
4	377	2	0	20755	0	Pass
5	318	1	0	21002	0	Pass
6	369	0	0	20858	0	Pass
7	356	0	0	20900	0	Pass
8	366	0	0	20938	0	Pass
9	361	0	0	20800	0	Pass
10	393	0	0	20613	0	Pass

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6.167	0.017	0.000	0.000	Pass
2	5.350	0.000	0.000	0.000	Pass
3	5.633	0.000	0.000	0.000	Pass
4	6.283	0.033	0.000	0.000	Pass
5	5.300	0.017	0.000	0.000	Pass
6	6.150	0.000	0.000	0.000	Pass
7	5.933	0.000	0.000	0.000	Pass
8	6.100	0.000	0.000	0.000	Pass
9	6.017	0.000	0.000	0.000	Pass
10	6.550	0.000	0.000	0.000	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: BWR BOTTOM  
 Detector id: AFASB-Bot  
 Electronics id: AMSR  
 Measurement date: 20.03.02 10:48:53  
 Results file name: 032K4853.NOR  
 Inspection number:  
 Measurement option: Normalization  
 Data source: Shift register  
 QC tests: On  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0001  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Passive singles bkgrnd: 0.698 +- 0.028  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 20  
 Count time (sec): 30

## Results

Singles: 394.160 +- 0.875  
 Doubles: 4.253 +- 0.179  
 Triples: 0.054 +- 0.026  
 Quads: 0.008 +- 0.004  
 Quads/Triples: -0.179 +- 0.235  
 Scaler 1: 0.000 +- 0.000  
 Scaler 2: 0.000 +- 0.000

## Normalization results for reference source: H4-694

Current normalization constant: 1.0000 +- 0.0000  
 Cf252 expected singles rate: 389.1965 +- 0.2410  
 Cf252 measured singles rate: 394.1600 +- 0.8753  
 Singles rate expected/measured: 0.9874 +- 0.0396  
 New normalization constant: 1.0000 +- 0.0000  
 Normalization test Passed.

(1)

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	389.102	3.833	-0.096	Pass
2	397.235	4.933	0.141	Pass
3	391.535	4.533	0.120	Pass
4	389.402	4.467	0.068	Pass
5	396.768	2.867	-0.140	Pass
6	397.002	4.233	0.125	Pass
7	396.702	5.900	0.350	Pass
8	398.368	3.867	0.001	Pass
9	388.202	5.500	-0.003	Pass
10	392.202	5.300	0.001	Pass
11	399.068	4.000	0.098	Pass
12	386.802	3.800	-0.094	Pass
13	401.468	3.800	-0.031	Pass
14	392.602	4.867	0.144	Pass
15	395.535	4.800	-0.088	Pass
16	395.435	3.667	0.140	Pass
17	396.502	4.367	0.122	Pass
18	392.168	2.933	0.093	Pass
19	393.302	3.500	0.045	Pass
20	393.802	3.900	0.068	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: COLLAR-BWR  
 Detector id: AFASB  
 Electronics id: AMSR  
 Measurement date: 20.03.02 10:36:48  
 Results file name: 032K3648.NOR  
 Inspection number:  
 Measurement option: Normalization  
 Data source: Shift register  
 QC tests: On  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.6825  
 Triples gate fraction: 0.4761

Passive singles bkgrnd: 6.925 +- 0.108  
 Passive doubles bkgrnd: 0.007 +- 0.003  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 20  
 Count time (sec): 30

## Results

Singles: 7219.235 +- 4.347  
 Doubles: 1551.693 +- 3.793  
 Triples: 188.195 +- 3.824  
 Quads: 10.653 +- 2.864  
 Quads/Triples: 0.052 +- 0.015  
 Scaler 1: 0.000 +- 0.000  
 Scaler 2: 0.000 +- 0.000

## Normalization results for reference source: H4-694

Current normalization constant: 1.0000 +- 0.0000  
 Cf252 expected doubles rate: 1535.8810 +- 1.9924  
 Cf252 measured doubles rate: 1551.6925 +- 3.7932  
 Doubles rate expected/measured: 0.9898 +- 0.0027  
 New normalization constant: 1.0000 +- 0.0000  
 Normalization test Passed.

(1)

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	7179.191	1570.823	216.525	Pass
2	7229.206	1576.700	211.216	Pass
3	7226.366	1542.204	183.286	Pass
4	7207.422	1538.970	151.008	Pass
5	7207.790	1563.685	182.202	Pass
6	7243.874	1563.889	183.767	Pass
7	7188.545	1529.073	189.249	Pass
8	7202.377	1527.881	177.423	Pass
9	7243.072	1537.063	167.351	Pass
10	7229.306	1552.387	180.487	Pass
11	7201.509	1558.287	196.939	Pass
12	7242.003	1542.990	178.447	Pass
13	7227.402	1552.285	184.846	Pass
14	7196.898	1558.015	210.204	Pass
15	7248.885	1591.790	196.420	Pass
16	7207.155	1526.111	183.134	Pass
17	7227.034	1538.822	169.088	Pass
18	7225.631	1551.212	182.631	Pass
19	7220.820	1552.948	215.200	Pass
20	7230.208	1558.718	204.484	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: BWR TOP  
 Detector id: AFASB-Top  
 Electronics id: AMSR  
 Measurement date: 20.03.02 10:24:41  
 Results file name: 032K2441.NOR  
 Inspection number:  
 Measurement option: Normalization  
 Data source: Shift register  
 QC tests: On  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Passive singles bkgrnd: 0.805 +- 0.037  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 20  
 Count time (sec): 30

## Results

Singles: 375.292 +- 0.936  
 Doubles: 4.017 +- 0.116  
 Triples: 0.007 +- 0.020  
 Quads: 0.001 +- 0.002  
 Quads/Triples: 0.009 +- 0.035  
 Scaler 1: 0.000 +- 0.000  
 Scaler 2: 0.000 +- 0.000

## Normalization results for reference source: H4-694

Current normalization constant: 1.0000 +- 0.0000  
 Cf252 expected singles rate: 372.4224 +- 0.2442  
 Cf252 measured singles rate: 375.2917 +- 0.9356  
 Singles rate expected/measured: 0.9924 +- 0.0398  
 New normalization constant: 1.0000 +- 0.0000  
 Normalization test Passed.

(1)

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	379.362	4.000	0.037	Pass
2	367.762	3.167	0.025	Pass
3	377.628	3.933	0.072	Pass
4	379.395	3.633	-0.055	Pass
5	371.228	3.933	0.039	Pass
6	370.762	3.500	-0.017	Pass
7	381.595	3.600	0.045	Pass
8	369.162	3.533	0.016	Pass
9	372.695	3.667	-0.021	Pass
10	378.295	4.667	-0.114	Pass
11	376.895	5.233	0.040	Pass
12	377.262	4.200	0.099	Pass
13	375.062	4.567	-0.176	Pass
14	380.462	3.433	0.050	Pass
15	367.728	3.667	-0.020	Pass
16	373.962	4.433	0.127	Pass
17	375.462	4.300	-0.070	Pass
18	375.528	3.967	-0.162	Pass
19	376.895	4.267	0.197	Pass
20	378.695	4.633	0.020	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: PWR BOTTOM  
 Detector id: AFASP-Bot  
 Electronics id: AMSR  
 Measurement date: 20.03.02 14:46:57  
 Results file name: 03204657.NOR  
 Inspection number:  
 Measurement option: Normalization  
 Data source: Shift register  
 QC tests: On  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0001  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Passive singles bkgrnd: 1.140 +- 0.046  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 20  
 Count time (sec): 30

## Results

Singles: 363.597 +- 0.697  
 Doubles: 3.545 +- 0.158  
 Triples: 0.030 +- 0.020  
 Quads: 0.001 +- 0.002  
 Quads/Triples: -0.004 +- 0.023  
 Scaler 1: 0.000 +- 0.000  
 Scaler 2: 0.000 +- 0.000

## Normalization results for reference source: H4-694

Current normalization constant: 1.0000 +- 0.0000  
 Cf252 expected singles rate: 358.0718 +- 0.2769  
 Cf252 measured singles rate: 363.5967 +- 0.6973  
 Singles rate expected/measured: 0.9848 +- 0.0394  
 New normalization constant: 1.0000 +- 0.0000  
 Normalization test Passed.

(1)

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	366.860	3.167	0.025	Pass
2	362.193	2.733	-0.030	Pass
3	358.627	3.867	-0.056	Pass
4	368.260	2.833	0.166	Pass
5	363.493	3.100	0.061	Pass
6	368.060	3.600	-0.052	Pass
7	363.160	3.367	0.221	Pass
8	359.060	4.233	0.135	Pass
9	362.927	3.533	-0.016	Pass
10	364.660	4.133	-0.030	Pass
11	363.893	2.967	0.064	Pass
12	360.160	3.700	0.014	Pass
13	359.060	2.933	-0.068	Pass
14	369.693	3.200	-0.010	Pass
15	363.060	3.533	-0.016	Pass
16	362.993	4.767	0.188	Pass
17	362.127	4.633	0.126	Pass
18	365.760	5.067	-0.018	Pass
19	365.560	2.700	0.003	Pass
20	362.327	2.833	-0.100	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: COLLAR  
 Detector id: AFASP  
 Electronics id: AMSR  
 Measurement date: 20.03.02 14:34:07  
 Results file name: 03203407.NOR  
 Inspection number:  
 Measurement option: Normalization  
 Data source: Shift register  
 QC tests: On  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.6599  
 Triples gate fraction: 0.4260

Passive singles bkgrnd: 9.937 +- 0.175  
 Passive doubles bkgrnd: 0.010 +- 0.004  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 20  
 Count time (sec): 30

## Results

Singles: 5905.262 +- 4.528  
 Doubles: 1014.269 +- 2.108  
 Triples: 98.682 +- 1.539  
 Quads: 5.849 +- 1.544  
 Quads/Triples: 0.057 +- 0.015  
 Scaler 1: 0.000 +- 0.000  
 Scaler 2: 0.000 +- 0.000

## Normalization results for reference source: H4-694

Current normalization constant: 1.0000 +- 0.0000  
 Cf252 expected doubles rate: 1008.4284 +- 1.5302  
 Cf252 measured doubles rate: 1014.2692 +- 2.1080  
 Doubles rate expected/measured: 0.9942 +- 0.0026  
 New normalization constant: 1.0000 +- 0.0000  
 Normalization test Passed.

(1)

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	5947.230	1018.152	89.893	Pass
2	5903.452	1014.529	104.226	Pass
3	5903.552	1024.115	104.964	Pass
4	5879.928	1018.128	95.996	Pass
5	5880.062	1007.707	103.275	Pass
6	5863.478	1016.653	109.221	Pass
7	5901.784	997.026	90.867	Pass
8	5903.319	1007.248	98.102	Pass
9	5890.372	1012.253	95.935	Pass
10	5918.134	1022.985	106.678	Pass
11	5895.477	991.346	81.856	Pass
12	5891.740	1018.466	101.872	Pass
13	5899.315	1012.023	105.870	Pass
14	5901.484	1021.543	104.802	Pass
15	5920.269	1014.869	93.896	Pass
16	5918.401	1021.248	100.741	Pass
17	5908.591	1005.212	91.379	Pass
18	5944.895	1020.857	101.128	Pass
19	5914.897	1031.301	95.498	Pass
20	5918.868	1009.725	97.480	Pass

(2)

## INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: PRR-Top  
 Detector id: AFASP-Top  
 Electronics id: AMSR  
 Measurement date: 20.03.02 14:14:07  
 Results file name: 03201407.NOR  
 Inspection number:  
 Measurement option: Normalization  
 Data source: Database  
 QC tests: On  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Passive singles bkgrnd: 1.485 +- 0.052  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 20  
 Count time (sec): 30

## Results

Singles: 337.378 +- 0.781  
 Doubles: 3.247 +- 0.130  
 Triples: 0.056 +- 0.027  
 Quads: 0.001 +- 0.002  
 Quads/Triples: -0.070 +- 0.069  
 Scaler 1: 0.000 +- 0.000  
 Scaler 2: 0.000 +- 0.000

## Normalization results for reference source: H4-694

Current normalization constant: 1.0000 +- 0.0000  
 Cf252 expected singles rate: 333.1867 +- 0.2627  
 Cf252 measured singles rate: 337.3783 +- 0.7805  
 Singles rate expected/measured: 0.9876 +- 0.0396  
 New normalization constant: 1.0000 +- 0.0000  
 Normalization test Passed.

(1)

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	340.382	3.300	0.128	Pass
2	332.915	3.867	-0.083	Pass
3	333.915	2.867	-0.029	Pass
4	336.748	3.300	0.295	Pass
5	340.548	4.067	0.311	Pass
6	338.882	3.100	0.132	Pass
7	335.048	3.300	-0.004	Pass
8	335.315	2.367	0.016	Pass
9	336.648	1.867	0.060	Pass
10	333.615	3.800	-0.048	Pass
11	341.148	3.400	0.059	Pass
12	334.915	3.933	-0.118	Pass
13	344.082	2.733	0.072	Pass
14	339.715	4.033	0.012	Pass
15	343.915	2.967	0.001	Pass
16	336.982	3.700	0.219	Pass
17	336.515	3.267	0.129	Pass
18	339.482	3.200	-0.036	Pass
19	332.382	2.500	0.080	Pass
20	334.415	3.367	-0.073	Pass

(2)



## 【AFAS 性能確認試験】

- (2) 2.3 AFAS の機器の健全性確認  
(ノーマリゼーション) 方法の検討

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: COLLAR-BWR  
 Detector id: AFASB  
 Electronics id: AMSR  
 Measurement date: 19.07.08 16:03:23  
 Results file name: 97800323.RTS  
 Inspection number:  
 Item id: D9-534 back  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Singles: 746.191 +- 1.244  
 Doubles: 61.348 +- 0.424  
 Triples: 2.810 +- 0.162  
 Quads: 0.084 +- 0.051  
 Quads/Triples: 0.022 +- 0.017  
 Scaler 1: 0.000 +- 0.000  
 Scaler 2: 0.000 +- 0.000

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	749.672	59.517	1.571	Pass
2	752.073	61.785	2.630	Pass
3	734.435	57.883	2.349	Pass
4	752.406	62.919	3.846	Pass
5	745.704	61.451	3.913	Pass
6	749.705	61.218	2.162	Pass
7	740.970	60.718	2.316	Pass
8	749.739	61.818	3.579	Pass
9	744.971	63.819	3.434	Pass
10	750.739	63.453	2.320	Pass
11	746.005	62.652	2.946	Pass
12	747.672	60.418	3.516	Pass
13	740.470	57.616	1.900	Pass
14	739.670	58.883	1.540	Pass
15	754.940	62.219	2.497	Pass
16	745.271	63.486	3.141	Pass
17	747.938	64.520	3.516	Pass
18	735.669	60.517	3.223	Pass
19	746.271	60.751	2.663	Pass
20	749.505	61.318	3.141	Pass

Pre-delay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.6825  
 Triples gate fraction: 0.4761

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 8.053 +- 0.167  
 Passive doubles bkgnd: 0.012 +- 0.004  
 Passive triples bkgnd: 0.000 +- 0.000  
 Passive scaler1 bkgnd: 0.000  
 Passive scaler2 bkgnd: 0.000

Number passive cycles: 20  
 Count time (sec): 30

Results

(1)

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: COLLAR-BWR  
 Detector id: AFASB  
 Electronics id: AMSR  
 Measurement date: 19.07.08 15:51:36  
 Results file name: 978P5136.RTS  
 Inspection number:  
 Item id: D9-534  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Singles: 739.128 +- 1.534  
 Doubles: 60.893 +- 0.526  
 Triples: 2.934 +- 0.150  
 Quads: 0.089 +- 0.039  
 Quads/Triples: 0.026 +- 0.013  
 Scaler 1: 0.000 +- 0.000  
 Scaler 2: 0.000 +- 0.000

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	744.804	61.051	3.299	Pass
2	733.835	58.550	2.180	Pass
3	738.769	58.183	2.755	Pass
4	746.138	58.116	2.256	Pass
5	756.074	65.087	2.852	Pass
6	738.003	62.818	3.878	Pass
7	737.469	63.119	4.704	Pass
8	733.935	57.416	2.474	Pass
9	737.002	63.285	2.948	Pass
10	733.535	58.216	2.433	Pass
11	740.237	60.784	2.453	Pass
12	741.170	61.351	4.206	Pass
13	746.705	61.318	2.436	Pass
14	732.835	60.717	2.557	Pass
15	745.004	61.318	2.910	Pass
16	723.266	60.517	2.801	Pass
17	737.569	61.618	2.390	Pass
18	734.402	56.915	3.004	Pass
19	741.237	64.086	2.663	Pass
20	740.570	63.385	3.469	Pass

Pre-delay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.6825  
 Triples gate fraction: 0.4761

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 8.053 +- 0.167  
 Passive doubles bkgnd: 0.012 +- 0.004  
 Passive triples bkgnd: 0.000 +- 0.000  
 Passive scaler1 bkgnd: 0.000  
 Passive scaler2 bkgnd: 0.000

Number passive cycles: 20  
 Count time (sec): 30

Results

(1)

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: COLLAR-BWR  
 Detector id: AFASB  
 Electronics id: AMSR  
 Measurement date: 19.07.08 15:38:44  
 Results file name: 978P3844.RTS  
 Inspection number:  
 Item id: D9+WW Back  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Singles: 965.936 +- 1.298  
 Doubles: 80.289 +- 0.569  
 Triples: 3.531 +- 0.183  
 Quads: 0.001 +- 0.048  
 Quads/Triples: -0.008 +- 0.015  
 Scaler 1: 0.000 +- 0.000  
 Scaler 2: 0.000 +- 0.000

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	963.165	84.341	5.756	Pass
2	973.968	77.004	3.310	Pass
3	975.802	81.340	3.466	Pass
4	966.766	81.639	2.917	Pass
5	959.030	81.973	3.448	Pass
6	957.330	78.704	3.991	Pass
7	967.399	78.804	3.634	Pass
8	967.899	83.541	3.431	Pass
9	966.166	80.972	3.471	Pass
10	963.165	81.239	4.337	Pass
11	974.735	80.973	2.687	Pass
12	969.900	80.639	4.212	Pass
13	958.130	73.267	1.737	Pass
14	959.930	77.937	3.561	Pass
15	967.599	78.704	3.606	Pass
16	965.932	80.372	3.301	Pass
17	958.230	79.638	4.364	Pass
18	962.931	81.406	3.895	Pass
19	966.832	79.371	2.658	Pass
20	973.801	83.908	2.839	Pass

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.6825  
 Triples gate fraction: 0.4761

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 8.053 +- 0.167  
 Passive doubles bkgnd: 0.012 +- 0.004  
 Passive triples bkgnd: 0.000 +- 0.000  
 Passive scaler1 bkgnd: 0.000  
 Passive scaler2 bkgnd: 0.000

Number passive cycles: 20  
 Count time (sec): 30

Results

(1)

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: COLLAR-BWR  
 Detector id: AFASB  
 Electronics id: AMSR  
 Measurement date: 19.07.08 15:27:07  
 Results file name: 978P2707.RTS  
 Inspection number:  
 Item id: D9+WW Front  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Singles: 957.421 +- 1.594  
 Doubles: 79.006 +- 0.571  
 Triples: 3.761 +- 0.163  
 Quads: 0.176 +- 0.043  
 Quads/Triples: 0.048 +- 0.014  
 Scaler 1: 0.000 +- 0.000  
 Scaler 2: 0.000 +- 0.000

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	950.561	77.169	3.082	Pass
2	957.029	80.238	3.429	Pass
3	961.931	77.270	3.790	Pass
4	959.564	82.473	4.287	Pass
5	944.259	75.068	4.418	Pass
6	954.095	81.572	3.697	Pass
7	962.431	81.773	3.946	Pass
8	969.000	80.639	4.217	Pass
9	956.763	81.105	5.388	Pass
10	950.261	78.870	3.676	Pass
11	947.660	77.402	3.452	Pass
12	958.963	81.772	4.196	Pass
13	955.496	77.536	3.509	Pass
14	965.632	74.602	2.024	Pass
15	952.995	76.569	3.914	Pass
16	947.827	77.236	3.257	Pass
17	960.130	76.102	2.504	Pass
18	959.764	78.904	3.795	Pass
19	969.233	82.674	4.154	Pass
20	964.832	81.139	4.478	Pass

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.6825  
 Triples gate fraction: 0.4761

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 8.053 +- 0.167  
 Passive doubles bkgnd: 0.012 +- 0.004  
 Passive triples bkgnd: 0.000 +- 0.000  
 Passive scaler1 bkgnd: 0.000  
 Passive scaler2 bkgnd: 0.000

Number passive cycles: 20  
 Count time (sec): 30

Results

(1)

(2)

INCC 5.1.2

Singles: 3647.195 +- 3.411  
 Doubles: 305.763 +- 1.994  
 Triples: 14.325 +- 0.554  
 Quads: -0.017 +- 0.293  
 Quads/Triples: -0.009 +- 0.022  
 Scaler 1: 0.000 +- 0.000  
 Scaler 2: 0.000 +- 0.000

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: COLLAR-BWR  
 Detector id: AFASB  
 Electronics id: AMSR  
 Measurement date: 19.07.05 11:10:48  
 Results file name: 975L1048.RTS  
 Inspection number:  
 Item id: H4-694 Back  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	3656.773	305.682	15.169	Pass
2	3636.415	298.026	15.306	Pass
3	3661.778	306.919	17.622	Pass
4	3647.862	306.348	13.635	Pass
5	3625.936	305.876	14.452	Pass
6	3650.699	309.523	17.515	Pass
7	3668.653	307.622	15.815	Pass
8	3665.182	308.557	17.490	Pass
9	3646.827	315.402	12.320	Pass
10	3629.808	299.729	9.184	Pass
11	3657.039	294.990	9.632	Pass
12	3648.363	318.978	12.056	Pass
13	3640.987	322.217	14.570	Pass
14	3624.868	288.970	13.608	Pass
15	3651.933	301.738	15.897	Pass
16	3624.435	307.346	16.845	Pass
17	3657.974	319.848	14.806	Pass
18	3625.369	305.675	14.752	Pass
19	3673.058	300.339	15.136	Pass
20	3649.931	291.480	10.683	Pass

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.6825  
 Triples gate fraction: 0.4761

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 7.615 +- 0.103  
 Passive doubles bkgnd: 0.003 +- 0.002  
 Passive triples bkgnd: 0.000 +- 0.000  
 Passive scaler1 bkgnd: 0.000  
 Passive scaler2 bkgnd: 0.000

Number passive cycles: 20  
 Count time (sec): 30

Results

(1)

(2)

INCC 5.1.2

Singles: 3619.537 +- 3.192  
 Doubles: 300.881 +- 1.872  
 Triples: 14.985 +- 0.609  
 Quads: 0.639 +- 0.357  
 Quads/Triples: 0.034 +- 0.026  
 Scaler 1: 0.000 +- 0.000  
 Scaler 2: 0.000 +- 0.000

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: COLLAR-BWR  
 Detector id: AFASB  
 Electronics id: AMSR  
 Measurement date: 19.07.05 10:59:00  
 Results file name: 975K5900.RTS  
 Inspection number:  
 Item id: H4-694 Front  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	3600.640	304.434	20.675	Pass
2	3648.930	306.682	18.516	Pass
3	3622.666	315.832	11.292	Pass
4	3606.714	286.427	14.248	Pass
5	3608.082	305.806	12.147	Pass
6	3610.452	311.352	16.799	Pass
7	3625.135	306.243	16.925	Pass
8	3632.477	288.002	11.691	Pass
9	3630.675	293.147	12.339	Pass
10	3614.189	299.626	17.817	Pass
11	3619.395	305.875	13.403	Pass
12	3641.688	314.265	15.235	Pass
13	3629.107	302.435	14.761	Pass
14	3601.675	293.877	13.508	Pass
15	3635.714	303.004	14.415	Pass
16	3612.454	296.518	13.326	Pass
17	3624.835	299.661	11.921	Pass
18	3601.274	293.409	19.730	Pass
19	3601.642	301.394	14.800	Pass
20	3623.000	289.638	16.133	Pass

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 7.615 +- 0.103  
 Passive doubles bkgnd: 0.003 +- 0.002  
 Passive triples bkgnd: 0.000 +- 0.000  
 Passive scaler1 bkgnd: 0.000  
 Passive scaler2 bkgnd: 0.000

Number passive cycles: 20  
 Count time (sec): 30

Results

(1)

(2)

INCC 5.0.6

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: COLLAR-BWR  
 Detector id: AFASB  
 Electronics id: AMSR  
 Measurement date: 19.07.09 10:16:00  
 Results file name: 979K1600.RTS  
 Inspection number:  
 Item id: 17-106 back  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Comment:  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgnd: 7.858 +- 0.124  
 Passive doubles bkgnd: 0.005 +- 0.003  
 Passive triples bkgnd: 0.000 +- 0.000  
 Passive scaler1 bkgnd: 0.000  
 Passive scaler2 bkgnd: 0.000  
 Number of cycles: 20  
 Count time (sec): 30  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.6825  
 Triples gate fraction: 0.4761

Doubles: 400.843 +- 2.729  
 Triples: 18.708 +- 1.347  
 Quads: 1.394 +- 0.597  
 Quads/Triples: 0.043 +- 0.042  
 Scaler 1: 0.000 +- 0.000  
 Scaler 2: 0.000 +- 0.000

Cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	4823.486	400.736	20.131	Pass
2	4832.767	424.880	27.990	Pass
3	4819.981	404.212	20.338	Pass
4	4816.542	390.436	15.916	Pass
5	4796.645	407.617	21.567	Pass
6	4821.450	420.898	27.973	Pass
7	4794.608	391.801	10.446	Pass
8	4854.100	400.978	13.682	Pass
9	4804.857	407.418	26.668	Pass
10	4828.961	412.173	24.943	Pass
11	4807.127	398.425	22.068	Pass
12	4812.102	385.018	13.336	Pass
13	4818.278	379.168	5.124	Pass
14	4799.449	397.888	16.223	Pass
15	4815.974	403.509	24.296	Pass
16	4817.310	380.605	14.725	Pass
17	4806.359	400.196	19.534	Pass
18	4838.175	416.622	16.193	Pass
19	4808.296	395.951	18.284	Pass
20	4824.454	398.329	14.666	Pass

Results

Singles: 4817.046 +- 3.258

(1)

(2)

INCC 5.0.6

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: COLLAR-BWR  
 Detector id: AFASB  
 Electronics id: AMSR  
 Measurement date: 19.07.09 10:04:18  
 Results file name: 979K0418.RTS  
 Inspection number:  
 Item id: 17-106 Front  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Comment:  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgnd: 7.858 +- 0.124  
 Passive doubles bkgnd: 0.005 +- 0.003  
 Passive triples bkgnd: 0.000 +- 0.000  
 Passive scaler1 bkgnd: 0.000  
 Passive scaler2 bkgnd: 0.000  
 Number of cycles: 20  
 Count time (sec): 30  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.6825  
 Triples gate fraction: 0.4761

Doubles: 393.383 +- 1.671  
 Triples: 17.936 +- 0.986  
 Quads: 1.123 +- 0.540  
 Quads/Triples: 0.045 +- 0.030  
 Scaler 1: 0.000 +- 0.000  
 Scaler 2: 0.000 +- 0.000

Cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	4751.308	400.483	15.454	Pass
2	4786.095	375.783	15.938	Pass
3	4783.057	390.661	17.495	Pass
4	4790.535	402.600	17.261	Pass
5	4768.969	396.375	24.520	Pass
6	4792.672	400.260	20.850	Pass
7	4795.343	390.831	23.624	Pass
8	4769.503	408.713	22.417	Pass
9	4793.840	393.941	23.153	Pass
10	4784.359	392.969	10.497	Pass
11	4797.913	381.269	12.305	Pass
12	4797.245	386.753	20.171	Pass
13	4800.784	394.243	11.165	Pass
14	4766.298	394.937	19.204	Pass
15	4767.133	393.533	19.060	Pass
16	4793.640	386.217	15.903	Pass
17	4784.025	396.780	13.469	Pass
18	4780.787	391.296	17.431	Pass
19	4771.439	399.686	24.805	Pass
20	4772.107	390.324	14.071	Pass

Results

Singles: 4782.353 +- 3.016

(1)

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: COLLAR-BWR  
 Detector id: AFASB  
 Electronics id: AMSR  
 Measurement date: 19.07.05 13:34:00  
 Results file name: 975N3400.RTS  
 Inspection number:  
 Item id: K7-436 Back  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Singles: 7791.916 +- 4.207  
 Doubles: 654.304 +- 2.757  
 Triples: 29.223 +- 1.954  
 Quads: -1.389 +- 1.059  
 Quads/Triples: -0.073 +- 0.038  
 Scaler 1: 0.000 +- 0.000  
 Scaler 2: 0.000 +- 0.000

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	7790.036	656.508	35.014	Pass
2	7777.104	624.878	15.767	Pass
3	7772.459	658.376	36.154	Pass
4	7810.989	646.768	15.697	Pass
5	7763.971	645.073	30.142	Pass
6	7779.844	671.646	39.494	Pass
7	7800.964	648.774	30.653	Pass
8	7800.228	648.237	32.802	Pass
9	7784.322	671.313	47.997	Pass
10	7819.042	653.371	28.853	Pass
11	7812.192	639.901	35.432	Pass
12	7802.334	647.267	23.018	Pass
13	7817.137	661.712	27.850	Pass
14	7746.428	648.014	29.678	Pass
15	7795.751	663.679	25.194	Pass
16	7775.433	672.548	14.103	Pass
17	7799.894	655.172	34.404	Pass
18	7805.375	649.848	26.160	Pass
19	7800.429	673.832	37.231	Pass
20	7784.389	649.169	18.862	Pass

Pre-delay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.6825  
 Triples gate fraction: 0.4761

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 7.615 +- 0.103  
 Passive doubles bkgnd: 0.003 +- 0.002  
 Passive triples bkgnd: 0.000 +- 0.000  
 Passive scaler1 bkgnd: 0.000  
 Passive scaler2 bkgnd: 0.000

Number passive cycles: 20  
 Count time (sec): 30

Results

(1)

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: COLLAR-BWR  
 Detector id: AFASB  
 Electronics id: AMSR  
 Measurement date: 19.07.05 13:21:27  
 Results file name: 975N2127.RTS  
 Inspection number:  
 Item id: K7-436 Front  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Singles: 7720.104 +- 4.042  
 Doubles: 641.920 +- 2.970  
 Triples: 29.491 +- 1.887  
 Quads: 0.410 +- 1.347  
 Quads/Triples: -0.017 +- 0.059  
 Scaler 1: 0.000 +- 0.000  
 Scaler 2: 0.000 +- 0.000

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	7734.064	628.278	17.357	Pass
2	7735.200	641.309	35.213	Pass
3	7706.963	636.072	35.410	Pass
4	7713.045	656.643	24.170	Pass
5	7730.321	620.236	17.277	Pass
6	7734.030	646.937	37.754	Pass
7	7731.457	636.752	16.072	Pass
8	7712.009	642.673	45.447	Pass
9	7763.169	646.513	27.147	Pass
10	7725.877	623.585	34.064	Pass
11	7702.318	661.496	34.007	Pass
12	7712.310	650.345	27.954	Pass
13	7735.901	655.614	37.736	Pass
14	7691.592	649.834	29.683	Pass
15	7696.136	643.404	34.654	Pass
16	7690.756	612.851	14.503	Pass
17	7723.537	651.589	36.542	Pass
18	7733.028	629.718	31.049	Pass
19	7721.365	655.976	30.365	Pass
20	7709.001	648.568	23.457	Pass

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 7.615 +- 0.103  
 Passive doubles bkgnd: 0.003 +- 0.002  
 Passive triples bkgnd: 0.000 +- 0.000  
 Passive scaler1 bkgnd: 0.000  
 Passive scaler2 bkgnd: 0.000

Number passive cycles: 20  
 Count time (sec): 30

Results

(1)

(2)

INCC 5.0.6

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: COLLAR-BWR  
 Detector id: AFASB  
 Electronics id: AMSR  
 Measurement date: 19.07.09 09:50:13  
 Results file name: 979J5013.RTS  
 Inspection number:  
 Item id: Q2-334 back  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Comment:  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgnd: 7.858 +- 0.124  
 Passive doubles bkgnd: 0.005 +- 0.003  
 Passive triples bkgnd: 0.000 +- 0.000  
 Passive scaler1 bkgnd: 0.000  
 Passive scaler2 bkgnd: 0.000  
 Number of cycles: 20  
 Count time (sec): 30  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.6825  
 Triples gate fraction: 0.4761

Doubles: 1925.349 +- 6.401  
 Triples: 62.833 +- 6.531  
 Quads: -4.919 +- 7.865  
 Quads/Triples: -0.242 +- 0.254  
 Scaler 1: 0.000 +- 0.000  
 Scaler 2: 0.000 +- 0.000

Cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	23249.849	1889.493	70.925	Pass
2	23195.814	1914.025	74.861	Pass
3	23268.387	1959.825	73.890	Pass
4	23210.658	1958.095	45.729	Pass
5	23292.634	1931.772	34.011	Pass
6	23257.775	1914.304	98.830	Pass
7	23228.692	1946.817	46.544	Pass
8	23290.451	1883.351	88.306	Pass
9	23260.596	1924.999	40.084	Pass
10	23267.212	1935.733	27.879	Pass
11	23249.782	1904.888	-2.278	Pass
12	23303.952	1977.600	11.419	Pass
13	23266.473	1930.353	60.589	Pass
14	23266.607	1915.702	61.423	Pass
15	23216.837	1873.315	80.507	Pass
16	23273.828	1914.628	91.694	Pass
17	23225.031	1930.538	81.841	Pass
18	23300.862	1970.321	93.310	Pass
19	23253.913	1938.762	97.566	Pass
20	23269.865	1892.461	79.365	Pass

Results

Singles: 23257.461 +- 6.657

(1)

(2)

INCC 5.0.6

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: COLLAR-BWR  
 Detector id: AFASB  
 Electronics id: AMSR  
 Measurement date: 19.07.09 09:37:57  
 Results file name: 979J3757.RTS  
 Inspection number:  
 Item id: Q2-334  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Comment:  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgnd: 7.858 +- 0.124  
 Passive doubles bkgnd: 0.005 +- 0.003  
 Passive triples bkgnd: 0.000 +- 0.000  
 Passive scaler1 bkgnd: 0.000  
 Passive scaler2 bkgnd: 0.000  
 Number of cycles: 20  
 Count time (sec): 30  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.6825  
 Triples gate fraction: 0.4761

Doubles: 1907.049 +- 8.295  
 Triples: 67.036 +- 9.174  
 Quads: -10.912 +- 5.721  
 Quads/Triples: -0.784 +- 0.412  
 Scaler 1: 0.000 +- 0.000  
 Scaler 2: 0.000 +- 0.000

Cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	23071.628	1887.281	91.837	Pass
2	23110.985	1842.401	30.199	Pass
3	23071.493	1913.737	75.672	Pass
4	23069.277	1915.324	26.775	Pass
5	23090.735	1962.782	61.710	Pass
6	23050.203	1868.107	19.680	Pass
7	23047.180	1913.030	81.780	Pass
8	23062.829	1887.101	81.387	Pass
9	23048.423	1904.202	139.424	Pass
10	23067.430	1912.176	118.453	Pass
11	23086.303	1972.993	81.256	Pass
12	23085.799	1933.309	29.942	Pass
13	23128.817	1919.559	136.687	Pass
14	23122.672	1941.508	116.918	Pass
15	23059.605	1866.968	2.420	Pass
16	23081.333	1843.922	86.583	Pass
17	23075.254	1945.915	49.394	Pass
18	23050.874	1866.687	43.661	Pass
19	23072.299	1901.863	57.079	Pass
20	23122.672	1942.117	9.559	Pass

Results

Singles: 23078.791 +- 5.659

(1)

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: COLLAR-BWR  
 Detector id: AFASB  
 Electronics id: AMSR  
 Measurement date: 19.07.05 10:45:18  
 Results file name: 975K4518.RTS  
 Inspection number:  
 Item id: WW-906 Back  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Singles: 220.800 +- 0.666  
 Doubles: 18.239 +- 0.246  
 Triples: 0.848 +- 0.058  
 Quads: 0.034 +- 0.012  
 Quads/Triples: 0.031 +- 0.011  
 Scaler 1: 0.000 +- 0.000  
 Scaler 2: 0.000 +- 0.000

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	217.160	19.033	0.935	Pass
2	215.826	17.132	0.526	Pass
3	221.560	17.633	0.681	Pass
4	220.727	19.666	1.360	Pass
5	219.427	17.366	1.155	Pass
6	219.927	17.599	0.952	Pass
7	224.627	20.133	0.878	Pass
8	219.427	18.466	0.773	Pass
9	221.393	18.099	1.178	Pass
10	223.560	19.866	0.844	Pass
11	222.827	19.099	0.894	Pass
12	218.860	17.566	0.749	Pass
13	213.893	16.932	0.533	Pass
14	223.860	18.266	1.274	Pass
15	222.493	16.832	0.323	Pass
16	220.760	16.366	0.668	Pass
17	222.627	18.099	0.841	Pass
18	225.860	18.833	0.929	Pass
19	221.593	19.800	0.648	Pass
20	219.593	17.999	0.813	Pass

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.6825  
 Triples gate fraction: 0.4761

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 7.615 +- 0.103  
 Passive doubles bkgnd: 0.003 +- 0.002  
 Passive triples bkgnd: 0.000 +- 0.000  
 Passive scaler1 bkgnd: 0.000  
 Passive scaler2 bkgnd: 0.000

Number passive cycles: 20  
 Count time (sec): 30

Results

(1)

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: COLLAR-BWR  
 Detector id: AFASB  
 Electronics id: AMSR  
 Measurement date: 19.07.05 10:33:20  
 Results file name: 975K3320.RTS  
 Inspection number:  
 Item id: WW-906 Front  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Singles: 217.848 +- 0.876  
 Doubles: 17.739 +- 0.238  
 Triples: 0.838 +- 0.032  
 Quads: 0.014 +- 0.007  
 Quads/Triples: 0.016 +- 0.009  
 Scaler 1: 0.000 +- 0.000  
 Scaler 2: 0.000 +- 0.000

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	210.959	16.299	0.779	Pass
2	219.327	16.899	0.726	Pass
3	218.227	17.266	0.956	Pass
4	217.526	19.366	1.032	Pass
5	214.760	17.633	0.687	Pass
6	220.827	17.366	0.819	Pass
7	214.026	16.766	0.838	Pass
8	221.727	18.299	0.873	Pass
9	217.193	17.733	0.752	Pass
10	214.926	17.899	0.818	Pass
11	227.127	20.300	1.135	Pass
12	214.093	17.232	0.693	Pass
13	215.160	16.866	1.103	Pass
14	218.393	16.832	0.934	Pass
15	218.093	17.066	0.760	Pass
16	223.160	17.366	0.784	Pass
17	221.560	19.666	0.820	Pass
18	219.793	18.133	0.943	Pass
19	217.426	18.766	0.704	Pass
20	212.659	17.032	0.598	Pass

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 7.615 +- 0.103  
 Passive doubles bkgnd: 0.003 +- 0.002  
 Passive triples bkgnd: 0.000 +- 0.000  
 Passive scaler1 bkgnd: 0.000  
 Passive scaler2 bkgnd: 0.000

Number passive cycles: 20  
 Count time (sec): 30

Results

(1)

(2)



INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: COLLAR  
 Detector id: AFASP  
 Electronics id: AMSR  
 Measurement date: 19.07.08 13:36:29  
 Results file name: 978N3629.RTS  
 Inspection number:  
 Item id: D9-534 Back  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Singles: 720.640 +- 1.125  
 Doubles: 56.851 +- 0.562  
 Triples: 2.322 +- 0.152  
 Quads: 0.073 +- 0.035  
 Quads/Triples: 0.034 +- 0.020  
 Scaler 1: 0.000 +- 0.000  
 Scaler 2: 0.000 +- 0.000

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	716.239	57.943	2.925	Pass
2	727.240	56.576	2.279	Pass
3	716.072	51.041	0.875	Pass
4	714.672	55.075	1.826	Pass
5	729.074	60.744	3.717	Pass
6	721.040	56.643	2.830	Pass
7	720.106	54.709	2.156	Pass
8	715.139	56.142	2.712	Pass
9	725.573	56.443	2.692	Pass
10	721.673	56.109	1.453	Pass
11	715.739	58.210	3.051	Pass
12	720.473	56.409	1.978	Pass
13	719.839	59.943	3.018	Pass
14	713.039	55.075	1.632	Pass
15	725.440	55.709	2.296	Pass
16	724.340	59.844	2.740	Pass
17	727.474	60.077	2.680	Pass
18	722.840	60.877	2.123	Pass
19	723.273	54.709	1.948	Pass
20	713.505	54.742	1.511	Pass

Pre-delay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.6599  
 Triples gate fraction: 0.4260

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 10.207 +- 0.125  
 Passive doubles bkgnd: 0.005 +- 0.003  
 Passive triples bkgnd: 0.000 +- 0.000  
 Passive scaler1 bkgnd: 0.000  
 Passive scaler2 bkgnd: 0.000

Number passive cycles: 20  
 Count time (sec): 30

Results

(1)

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: COLLAR  
 Detector id: AFASP  
 Electronics id: AMSR  
 Measurement date: 19.07.08 13:24:24  
 Results file name: 978N2424.RTS  
 Inspection number:  
 Item id: D9-534 Front  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Singles: 715.194 +- 1.126  
 Doubles: 55.879 +- 0.447  
 Triples: 2.564 +- 0.114  
 Quads: 0.125 +- 0.039  
 Quads/Triples: 0.047 +- 0.015  
 Scaler 1: 0.000 +- 0.000  
 Scaler 2: 0.000 +- 0.000

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	713.839	56.409	2.071	Pass
2	716.539	57.043	2.226	Pass
3	718.473	59.210	3.093	Pass
4	716.472	56.976	3.435	Pass
5	726.774	55.409	2.138	Pass
6	709.671	55.976	2.569	Pass
7	712.572	54.475	2.799	Pass
8	716.339	51.641	2.048	Pass
9	722.373	56.943	2.315	Pass
10	714.572	54.042	2.510	Pass
11	715.305	57.309	2.123	Pass
12	713.839	56.576	3.066	Pass
13	724.073	58.677	3.232	Pass
14	709.238	52.942	2.080	Pass
15	712.138	54.409	2.099	Pass
16	712.138	53.708	1.800	Pass
17	711.838	54.342	3.077	Pass
18	710.438	56.676	2.370	Pass
19	719.173	58.776	3.413	Pass
20	708.071	56.042	2.814	Pass

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 10.207 +- 0.125  
 Passive doubles bkgnd: 0.005 +- 0.003  
 Passive triples bkgnd: 0.000 +- 0.000  
 Passive scaler1 bkgnd: 0.000  
 Passive scaler2 bkgnd: 0.000

Number passive cycles: 20  
 Count time (sec): 30

Results

(1)

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: COLLAR  
 Detector id: AFASP  
 Electronics id: AMSR  
 Measurement date: 19.07.08 14:02:30  
 Results file name: 97800230.RTS  
 Inspection number:  
 Item id: D9+WW Back  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Singles: 929.916 +- 1.141  
 Doubles: 73.492 +- 0.528  
 Triples: 3.352 +- 0.148  
 Quads: 0.135 +- 0.044  
 Quads/Triples: 0.037 +- 0.011  
 Scaler 1: 0.000 +- 0.000  
 Scaler 2: 0.000 +- 0.000

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	920.968	70.484	3.126	Pass
2	935.471	71.218	2.714	Pass
3	930.637	69.651	2.596	Pass
4	923.502	72.185	2.542	Pass
5	923.035	74.519	3.410	Pass
6	926.903	76.353	4.254	Pass
7	937.004	75.653	2.738	Pass
8	937.971	74.853	2.614	Pass
9	924.069	72.218	3.673	Pass
10	934.537	75.153	4.055	Pass
11	934.304	74.419	3.597	Pass
12	931.270	73.952	4.609	Pass
13	928.103	74.219	3.605	Pass
14	932.570	72.919	2.759	Pass
15	932.437	71.918	3.391	Pass
16	933.104	70.785	2.850	Pass
17	924.502	77.887	3.602	Pass
18	924.802	71.451	2.582	Pass
19	931.203	72.219	4.179	Pass
20	931.937	77.787	4.139	Pass

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 10.207 +- 0.125  
 Passive doubles bkgnd: 0.005 +- 0.003  
 Passive triples bkgnd: 0.000 +- 0.000  
 Passive scaler1 bkgnd: 0.000  
 Passive scaler2 bkgnd: 0.000

Number passive cycles: 20  
 Count time (sec): 30

Results

(1)

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: COLLAR  
 Detector id: AFASP  
 Electronics id: AMSR  
 Measurement date: 19.07.08 13:50:17  
 Results file name: 978N5017.RTS  
 Inspection number:  
 Item id: D9+WW Front  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Singles: 924.119 +- 1.385  
 Doubles: 72.855 +- 0.397  
 Triples: 3.413 +- 0.184  
 Quads: 0.117 +- 0.055  
 Quads/Triples: 0.025 +- 0.016  
 Scaler 1: 0.000 +- 0.000  
 Scaler 2: 0.000 +- 0.000

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	924.035	74.119	3.129	Pass
2	912.200	73.418	4.563	Pass
3	929.970	77.253	5.150	Pass
4	921.735	72.852	3.347	Pass
5	928.069	73.352	3.120	Pass
6	928.936	69.984	2.918	Pass
7	928.036	73.819	3.997	Pass
8	919.635	73.585	1.841	Pass
9	931.203	71.752	1.697	Pass
10	922.202	70.518	4.125	Pass
11	915.034	74.752	3.166	Pass
12	923.635	72.385	3.331	Pass
13	916.168	70.151	3.636	Pass
14	917.268	72.218	3.306	Pass
15	917.801	72.385	3.398	Pass
16	930.870	70.685	3.367	Pass
17	926.369	73.352	3.765	Pass
18	927.036	75.053	3.762	Pass
19	927.669	73.119	2.465	Pass
20	934.504	72.352	4.189	Pass

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 10.207 +- 0.125  
 Passive doubles bkgnd: 0.005 +- 0.003  
 Passive triples bkgnd: 0.000 +- 0.000  
 Passive scaler1 bkgnd: 0.000  
 Passive scaler2 bkgnd: 0.000

Number passive cycles: 20  
 Count time (sec): 30

Results

(1)

(2)

INCC 5.1.2

Singles:	3494.829 +-	2.186
Doubles:	273.249 +-	1.240
Triples:	10.427 +-	0.558
Quads:	-0.182 +-	0.194
Quads/Triples:	-0.028 +-	0.022
Scaler 1:	0.000 +-	0.000
Scaler 2:	0.000 +-	0.000

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: COLLAR  
 Detector id: AFASP  
 Electronics id: AMSR  
 Measurement date: 19.07.08 14:31:25  
 Results file name: 97803125.RTS  
 Inspection number:  
 Item id: H4-694 Back  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: #2

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	3505.695	270.590	10.700	Pass
2	3498.391	283.405	12.056	Pass
3	3482.548	278.097	9.848	Pass
4	3484.249	267.885	6.338	Pass
5	3493.788	265.784	9.400	Pass
6	3503.160	268.755	13.756	Pass
7	3511.766	274.095	12.794	Pass
8	3502.493	282.705	9.024	Pass
9	3482.348	271.322	10.417	Pass
10	3490.086	276.429	8.344	Pass
11	3481.414	269.687	5.782	Pass
12	3487.751	265.750	10.753	Pass
13	3507.830	272.359	10.240	Pass
14	3486.917	284.806	15.276	Pass
15	3497.357	270.289	10.149	Pass
16	3492.254	276.096	13.536	Pass
17	3491.453	273.993	13.571	Pass
18	3501.359	270.490	9.360	Pass
19	3486.117	269.621	9.520	Pass
20	3509.598	272.827	7.681	Pass

Pre-delay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.6599  
 Triples gate fraction: 0.4260

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 10.207 +- 0.125  
 Passive doubles bkgnd: 0.005 +- 0.003  
 Passive triples bkgnd: 0.000 +- 0.000  
 Passive scaler1 bkgnd: 0.000  
 Passive scaler2 bkgnd: 0.000

Number passive cycles: 20  
 Count time (sec): 30

Results

(1)

(2)

INCC 5.1.2

Singles:	3483.715 +-	2.405
Doubles:	271.865 +-	1.598
Triples:	10.852 +-	0.697
Quads:	0.391 +-	0.288
Quads/Triples:	0.026 +-	0.027
Scaler 1:	0.000 +-	0.000
Scaler 2:	0.000 +-	0.000

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: COLLAR  
 Detector id: AFASP  
 Electronics id: AMSR  
 Measurement date: 19.07.08 14:18:51  
 Results file name: 97801851.RTS  
 Inspection number:  
 Item id: H4-694 Front  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: #2

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	3484.749	284.839	19.916	Pass
2	3481.881	271.756	11.460	Pass
3	3493.388	266.985	9.172	Pass
4	3478.545	275.794	9.083	Pass
5	3475.510	267.250	8.923	Pass
6	3491.153	274.060	11.162	Pass
7	3489.252	281.135	15.978	Pass
8	3468.673	267.016	6.219	Pass
9	3498.091	276.630	9.124	Pass
10	3505.528	282.071	14.217	Pass
11	3476.978	272.590	12.496	Pass
12	3491.520	284.372	10.513	Pass
13	3470.574	265.915	6.229	Pass
14	3482.481	266.984	10.583	Pass
15	3494.822	266.484	10.390	Pass
16	3486.083	268.653	10.795	Pass
17	3471.074	267.884	9.697	Pass
18	3471.508	274.225	10.497	Pass
19	3492.987	260.377	11.678	Pass
20	3469.507	262.277	8.884	Pass

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 10.207 +- 0.125  
 Passive doubles bkgnd: 0.005 +- 0.003  
 Passive triples bkgnd: 0.000 +- 0.000  
 Passive scaler1 bkgnd: 0.000  
 Passive scaler2 bkgnd: 0.000

Number passive cycles: 20  
 Count time (sec): 30

Results

(1)

(2)

INCC 5.1.2

Singles: 4635.502 +- 3.307  
 Doubles: 362.345 +- 2.082  
 Triples: 16.129 +- 1.113  
 Quads: 1.010 +- 0.420  
 Quads/Triples: 0.050 +- 0.031  
 Scaler 1: 0.000 +- 0.000  
 Scaler 2: 0.000 +- 0.000

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: COLLAR  
 Detector id: AFASP  
 Electronics id: AMSR  
 Measurement date: 19.07.08 10:32:46  
 Results file name: 978K3246.RTS  
 Inspection number:  
 Item id: 17-106 Back  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	4630.121	360.807	18.989	Pass
2	4648.636	370.124	23.969	Pass
3	4648.136	354.165	10.578	Pass
4	4618.979	364.578	22.816	Pass
5	4637.961	359.205	12.016	Pass
6	4632.356	358.136	11.921	Pass
7	4625.751	379.837	22.515	Pass
8	4619.212	338.269	10.090	Pass
9	4659.111	363.281	22.412	Pass
10	4663.615	376.536	7.314	Pass
11	4633.958	362.911	14.399	Pass
12	4639.395	370.724	15.776	Pass
13	4623.549	362.642	20.406	Pass
14	4650.838	369.724	11.084	Pass
15	4654.607	360.176	14.237	Pass
16	4629.854	347.886	13.923	Pass
17	4619.112	356.465	16.348	Pass
18	4611.139	361.873	19.180	Pass
19	4639.295	362.411	21.104	Pass
20	4624.417	367.150	13.477	Pass

Pre-delay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.6599  
 Triples gate fraction: 0.4260

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 10.207 +- 0.125  
 Passive doubles bkgnd: 0.005 +- 0.003  
 Passive triples bkgnd: 0.000 +- 0.000  
 Passive scaler1 bkgnd: 0.000  
 Passive scaler2 bkgnd: 0.000

Number passive cycles: 20  
 Count time (sec): 30

Results

(1)

(2)

INCC 5.1.2

Singles: 4620.106 +- 2.498  
 Doubles: 359.156 +- 1.497  
 Triples: 15.742 +- 0.764  
 Quads: 0.370 +- 0.435  
 Quads/Triples: 0.010 +- 0.029  
 Scaler 1: 0.000 +- 0.000  
 Scaler 2: 0.000 +- 0.000

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: COLLAR  
 Detector id: AFASP  
 Electronics id: AMSR  
 Measurement date: 19.07.08 10:20:51  
 Results file name: 978K2051.RTS  
 Inspection number:  
 Item id: 17-106 Front  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	4636.159	354.364	13.412	Pass
2	4608.270	358.768	11.174	Pass
3	4634.491	364.680	13.900	Pass
4	4620.413	367.049	16.084	Pass
5	4615.176	355.363	15.219	Pass
6	4608.070	361.004	23.419	Pass
7	4622.415	372.291	18.294	Pass
8	4624.784	349.588	14.707	Pass
9	4619.246	351.057	15.128	Pass
10	4618.579	359.303	22.333	Pass
11	4613.541	361.172	12.070	Pass
12	4611.173	344.311	15.249	Pass
13	4604.034	358.166	18.490	Pass
14	4625.718	351.892	13.467	Pass
15	4602.232	365.945	17.536	Pass
16	4640.029	364.815	11.528	Pass
17	4624.917	357.434	12.799	Pass
18	4619.479	360.572	20.491	Pass
19	4639.362	363.746	14.098	Pass
20	4614.042	361.606	15.442	Pass

Pre-delay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.6599  
 Triples gate fraction: 0.4260

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 10.207 +- 0.125  
 Passive doubles bkgnd: 0.005 +- 0.003  
 Passive triples bkgnd: 0.000 +- 0.000  
 Passive scaler1 bkgnd: 0.000  
 Passive scaler2 bkgnd: 0.000

Number passive cycles: 20  
 Count time (sec): 30

Results

(1)

(2)

INCC 5.1.2

Singles: 7456.184 +- 3.146  
 Doubles: 581.389 +- 2.809  
 Triples: 22.538 +- 2.013  
 Quads: -0.506 +- 1.073  
 Quads/Triples: -0.097 +- 0.068  
 Scaler 1: 0.000 +- 0.000  
 Scaler 2: 0.000 +- 0.000

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: COLLAR  
 Detector id: AFASP  
 Electronics id: AMSR  
 Measurement date: 19.07.08 14:58:54  
 Results file name: 97805854.RTS  
 Inspection number:  
 Item id: K7-436 Back  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: #2

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	7441.325	565.885	27.782	Pass
2	7459.415	593.526	15.480	Pass
3	7483.813	591.493	23.745	Pass
4	7469.428	579.091	9.000	Pass
5	7465.223	574.712	20.963	Pass
6	7451.605	589.481	27.618	Pass
7	7437.086	578.149	21.075	Pass
8	7466.858	600.345	18.505	Pass
9	7446.699	585.937	32.732	Pass
10	7446.766	594.860	38.759	Pass
11	7448.368	578.719	42.984	Pass
12	7451.972	584.936	22.953	Pass
13	7471.865	585.140	27.358	Pass
14	7435.618	600.539	27.519	Pass
15	7460.583	568.428	12.882	Pass
16	7454.242	571.234	11.983	Pass
17	7432.848	577.279	23.026	Pass
18	7455.710	552.052	12.199	Pass
19	7472.198	589.151	13.412	Pass
20	7472.065	566.826	20.787	Pass

Pre-delay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.6599  
 Triples gate fraction: 0.4260

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 10.207 +- 0.125  
 Passive doubles bkgnd: 0.005 +- 0.003  
 Passive triples bkgnd: 0.000 +- 0.000  
 Passive scaler1 bkgnd: 0.000  
 Passive scaler2 bkgnd: 0.000

Number passive cycles: 20  
 Count time (sec): 30

Results

(1)

(2)

INCC 5.1.2

Singles: 7429.779 +- 4.781  
 Doubles: 583.122 +- 2.186  
 Triples: 21.817 +- 1.837  
 Quads: 2.099 +- 0.794  
 Quads/Triples: 0.078 +- 0.041  
 Scaler 1: 0.000 +- 0.000  
 Scaler 2: 0.000 +- 0.000

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: COLLAR  
 Detector id: AFASP  
 Electronics id: AMSR  
 Measurement date: 19.07.08 14:47:13  
 Results file name: 97804713.RTS  
 Inspection number:  
 Item id: K7-436 Front  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: #2

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	7417.628	586.967	16.757	Pass
2	7419.297	580.150	9.952	Pass
3	7437.320	579.920	21.581	Pass
4	7405.980	575.335	11.499	Pass
5	7436.819	595.460	28.972	Pass
6	7394.899	586.395	17.163	Pass
7	7428.576	586.335	31.894	Pass
8	7435.284	584.799	23.558	Pass
9	7490.155	576.789	21.050	Pass
10	7445.264	587.174	28.166	Pass
11	7408.950	598.362	26.044	Pass
12	7438.188	577.948	39.012	Pass
13	7431.413	574.939	33.461	Pass
14	7397.002	564.004	22.925	Pass
15	7435.518	570.261	10.209	Pass
16	7432.981	582.258	12.622	Pass
17	7442.260	569.527	27.876	Pass
18	7455.176	596.800	22.787	Pass
19	7426.439	593.920	14.326	Pass
20	7416.427	595.088	16.533	Pass

Pre-delay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.6599  
 Triples gate fraction: 0.4260

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 10.207 +- 0.125  
 Passive doubles bkgnd: 0.005 +- 0.003  
 Passive triples bkgnd: 0.000 +- 0.000  
 Passive scaler1 bkgnd: 0.000  
 Passive scaler2 bkgnd: 0.000

Number passive cycles: 20  
 Count time (sec): 30

Results

(1)

(2)

INCC 5.1.2

Singles: 22311.648 +- 6.101  
 Doubles: 1728.802 +- 7.491  
 Triples: 59.891 +- 7.218  
 Quads: 5.713 +- 6.984  
 Quads/Triples: -1.480 +- 1.573  
 Scaler 1: 0.000 +- 0.000  
 Scaler 2: 0.000 +- 0.000

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: COLLAR  
 Detector id: AFASP  
 Electronics id: AMSR  
 Measurement date: 19.07.08 11:22:22  
 Results file name: 978L2222.RTS  
 Inspection number:  
 Item id: Q2-334 Back  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	22276.056	1755.337	79.273	Pass
2	22354.157	1803.220	53.249	Pass
3	22332.105	1729.069	50.146	Pass
4	22279.202	1719.800	90.459	Pass
5	22325.112	1711.563	92.662	Pass
6	22297.204	1724.681	28.015	Pass
7	22331.001	1776.937	96.554	Pass
8	22333.745	1733.370	62.655	Pass
9	22302.123	1729.085	61.451	Pass
10	22328.860	1759.501	72.605	Pass
11	22288.404	1702.539	60.081	Pass
12	22348.669	1775.268	93.681	Pass
13	22304.031	1705.504	20.784	Pass
14	22268.527	1702.897	1.399	Pass
15	22281.176	1667.432	103.255	Pass
16	22289.341	1706.436	33.308	Pass
17	22291.315	1723.905	58.885	Pass
18	22314.939	1749.718	62.984	Pass
19	22332.373	1721.612	88.431	Pass
20	22354.626	1678.157	-12.486	Pass

Pre-delay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.6599  
 Triples gate fraction: 0.4260

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 10.207 +- 0.125  
 Passive doubles bkgnd: 0.005 +- 0.003  
 Passive triples bkgnd: 0.000 +- 0.000  
 Passive scaler1 bkgnd: 0.000  
 Passive scaler2 bkgnd: 0.000

Number passive cycles: 20  
 Count time (sec): 30

Results

(1)

(2)

INCC 5.1.2

Singles: 22256.779 +- 5.884  
 Doubles: 1727.208 +- 8.309  
 Triples: 72.913 +- 7.779  
 Quads: 5.211 +- 6.230  
 Quads/Triples: 0.399 +- 0.433  
 Scaler 1: 0.000 +- 0.000  
 Scaler 2: 0.000 +- 0.000

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: COLLAR  
 Detector id: AFASP  
 Electronics id: AMSR  
 Measurement date: 19.07.08 11:10:31  
 Results file name: 978L1031.RTS  
 Inspection number:  
 Item id: Q2-334 Front  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	22258.756	1702.488	34.714	Pass
2	22273.045	1727.388	109.026	Pass
3	22241.624	1751.890	73.345	Pass
4	22235.768	1695.286	20.019	Pass
5	22269.698	1734.305	-1.883	Pass
6	22313.467	1781.965	67.367	Pass
7	22227.403	1754.703	59.152	Pass
8	22281.343	1710.026	62.942	Pass
9	22208.731	1703.802	115.992	Pass
10	22251.562	1677.391	33.656	Pass
11	22267.055	1810.791	102.630	Pass
12	22267.155	1755.030	83.439	Pass
13	22291.415	1719.370	105.448	Pass
14	22235.400	1720.580	127.755	Pass
15	22263.240	1649.585	76.933	Pass
16	22224.324	1751.678	105.467	Pass
17	22289.843	1730.354	102.050	Pass
18	22263.675	1755.800	79.897	Pass
19	22241.557	1723.707	54.550	Pass
20	22230.514	1688.028	45.532	Pass

Pre-delay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.6599  
 Triples gate fraction: 0.4260

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 10.207 +- 0.125  
 Passive doubles bkgnd: 0.005 +- 0.003  
 Passive triples bkgnd: 0.000 +- 0.000  
 Passive scaler1 bkgnd: 0.000  
 Passive scaler2 bkgnd: 0.000

Number passive cycles: 20  
 Count time (sec): 30

Results

(1)

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: COLLAR  
 Detector id: AFASP  
 Electronics id: AMSR  
 Measurement date: 19.07.08 09:41:31  
 Results file name: 978J4131.RTS  
 Inspection number:  
 Item id: WW-906 Back  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Singles: 210.536 +- 0.842  
 Doubles: 16.443 +- 0.201  
 Triples: 0.717 +- 0.053  
 Quads: 0.023 +- 0.017  
 Quads/Triples: 0.015 +- 0.017  
 Scaler 1: 0.000 +- 0.000  
 Scaler 2: 0.000 +- 0.000

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	212.698	17.230	0.858	Pass
2	210.864	16.830	0.530	Pass
3	207.997	15.830	0.448	Pass
4	208.631	16.163	0.947	Pass
5	207.431	16.396	0.910	Pass
6	209.397	17.330	1.064	Pass
7	211.864	15.096	0.421	Pass
8	213.964	17.830	1.016	Pass
9	206.764	16.096	0.648	Pass
10	214.598	17.963	0.678	Pass
11	209.164	15.530	0.418	Pass
12	216.031	17.596	0.682	Pass
13	207.664	16.263	0.678	Pass
14	217.098	16.896	0.691	Pass
15	204.297	14.696	0.601	Pass
16	216.364	16.163	1.174	Pass
17	206.031	15.529	0.288	Pass
18	206.897	15.796	0.885	Pass
19	212.464	16.630	0.702	Pass
20	210.498	16.996	0.699	Pass

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.6599  
 Triples gate fraction: 0.4260

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 10.207 +- 0.125  
 Passive doubles bkgnd: 0.005 +- 0.003  
 Passive triples bkgnd: 0.000 +- 0.000  
 Passive scaler1 bkgnd: 0.000  
 Passive scaler2 bkgnd: 0.000

Number passive cycles: 20  
 Count time (sec): 30

Results

(1)

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: COLLAR  
 Detector id: AFASP  
 Electronics id: AMSR  
 Measurement date: 19.07.08 09:28:49  
 Results file name: 978J2849.RTS  
 Inspection number:  
 Item id: WW-906 Front  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Singles: 210.989 +- 0.489  
 Doubles: 16.311 +- 0.210  
 Triples: 0.669 +- 0.043  
 Quads: 0.027 +- 0.010  
 Quads/Triples: 0.032 +- 0.014  
 Scaler 1: 0.000 +- 0.000  
 Scaler 2: 0.000 +- 0.000

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	211.131	15.563	0.383	Pass
2	211.264	17.863	1.020	Pass
3	207.964	15.730	0.586	Pass
4	210.131	16.330	0.709	Pass
5	214.931	17.730	0.681	Pass
6	213.998	16.330	0.872	Pass
7	211.631	16.196	0.944	Pass
8	208.031	16.363	0.643	Pass
9	207.531	15.096	0.258	Pass
10	210.864	15.730	0.581	Pass
11	212.798	16.096	0.575	Pass
12	207.064	15.196	0.559	Pass
13	212.131	15.296	0.486	Pass
14	209.798	17.230	0.727	Pass
15	212.298	15.430	0.417	Pass
16	212.964	15.796	0.747	Pass
17	210.564	17.130	1.738	Fail outlier test
18	211.798	18.363	0.910	Pass
19	210.864	16.963	0.763	Pass
20	212.098	17.063	0.760	Pass
21	210.498	15.863	0.748	Pass

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 10.207 +- 0.125  
 Passive doubles bkgnd: 0.005 +- 0.003  
 Passive triples bkgnd: 0.000 +- 0.000  
 Passive scaler1 bkgnd: 0.000  
 Passive scaler2 bkgnd: 0.000

Number passive cycles: 20  
 Count time (sec): 30

Results

(1)

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.04.22 12:00:14  
 Results file name: 94MM0014.VER  
 Inspection number:  
 Item id: BWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Database  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: AFAS BWR COLLAR J-MOX Back

Isotopics id: Default  
 Isotopics source code: 0D  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.04.22  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.04.22  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001

(1)

Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgnd: 0.000 +- 0.000  
 Passive doubles bkgnd: 0.000 +- 0.000  
 Passive triples bkgnd: 0.000 +- 0.000  
 Passive scaler1 bkgnd: 0.000  
 Passive scaler2 bkgnd: 0.000

Number passive cycles: 33  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 8208.191 +- 2.221  
 Doubles: 683.157 +- 2.632  
 Triples: 0.000 +- 0.000  
 Scaler 1: 18.607 +- 0.110  
 Scaler 2: 0.000 +- 0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	8214.137	680.663	0.000	0.000	Pass
2	8233.906	669.831	0.000	0.000	Pass
3	8216.944	682.775	0.000	0.000	Pass
4	8201.604	700.981	0.000	0.000	Pass
5	8200.301	675.999	0.000	0.000	Pass
6	8184.827	666.643	0.000	0.000	Pass
7	8194.786	688.512	0.000	0.000	Pass
8	8211.263	692.306	0.000	0.000	Pass
9	8210.879	691.083	0.000	0.000	Pass
10	8219.919	715.750	0.000	0.000	Pass
11	8221.339	681.772	0.000	0.000	Pass
12	8191.511	677.000	0.000	0.000	Pass
13	8206.801	705.071	0.000	0.000	Pass
14	8219.635	679.978	0.000	0.000	Pass
15	8206.200	664.659	0.000	0.000	Pass
16	8214.839	703.600	0.000	0.000	Pass
17	8206.968	702.860	0.000	0.000	Pass
18	8195.989	669.077	0.000	0.000	Pass

(2)

19	8212.483	702.812	0.000	0.000	Pass
20	8206.250	680.576	0.000	0.000	Pass
21	8208.773	701.302	0.000	0.000	Pass
22	8207.319	677.208	0.000	0.000	Pass
23	8178.226	661.246	0.000	0.000	Pass
24	8214.003	664.394	0.000	0.000	Pass
25	8226.637	691.358	0.000	0.000	Pass
26	8184.960	680.114	0.000	0.000	Pass
27	8219.334	690.835	0.000	0.000	Pass
28	8211.965	653.318	0.000	0.000	Pass
29	8217.329	681.569	0.000	0.000	Pass
30	8226.119	668.018	0.000	0.000	Pass
31	8211.931	663.907	0.000	0.000	Pass
32	8198.011	683.135	0.000	0.000	Pass
33	8195.120	695.817	0.000	0.000	Pass

(3)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.04.22 10:51:55  
 Results file name: 94MK5155.VER  
 Inspection number:  
 Item id: BWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Database  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: AFAS BWR COLLAR J-MOX Front

Isotopics id: Default  
 Isotopics source code: 0D  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.04.22  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.04.22

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001

(1)



201904\_AFAS-B Collar\_Front.txt

201904\_AFAS-P Collar\_Back.txt

Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 13  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 8132.035 +- 3.313  
 Doubles: 665.267 +- 4.000  
 Triples: 0.000 +- 0.000  
 Scaler 1: 13.023 +- 0.114  
 Scaler 2: 0.000 +- 0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	8127.644	664.675	0.000	0.000	Pass
2	8129.348	642.812	0.000	0.000	Pass
3	8120.575	674.255	0.000	0.000	Pass
4	8129.064	669.618	0.000	0.000	Pass
5	8152.291	685.545	0.000	0.000	Pass
6	8139.592	662.787	0.000	0.000	Pass
7	8148.949	639.067	0.000	0.000	Pass
8	8123.299	675.798	0.000	0.000	Pass
9	8129.215	668.312	0.000	0.000	Pass
10	8115.445	677.470	0.000	0.000	Pass
11	8119.272	658.590	0.000	0.000	Pass
12	8148.398	649.388	0.000	0.000	Pass
13	8133.359	680.158	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.04.22 13:24:36  
 Results file name: 94MN2436.VER  
 Inspection number:  
 Item id: PWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Database  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: AFAS PWR COLLAR J-MOX Back

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.04.22  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.04.22  
 Pre-delay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001

(1)

201904\_AFAS-P Collar\_Back.txt

201904\_AFAS-P Collar\_Back.txt

Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 31  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 7874.522 +- 2.311  
 Doubles: 614.350 +- 2.901  
 Triples: 0.000 +- 0.000  
 Scaler 1: 29.661 +- 0.152  
 Scaler 2: 0.000 +- 0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7857.436	614.050	0.000	0.000	Pass
2	7872.322	600.098	0.000	0.000	Pass
3	7863.811	626.501	0.000	0.000	Pass
4	7885.440	614.975	0.000	0.000	Pass
5	7862.976	593.846	0.000	0.000	Pass
6	7872.623	626.136	0.000	0.000	Pass
7	7862.159	626.217	0.000	0.000	Pass
8	7884.022	610.161	0.000	0.000	Pass
9	7876.478	598.645	0.000	0.000	Pass
10	7874.392	633.656	0.000	0.000	Pass
11	7861.758	579.924	0.000	0.000	Pass
12	7887.877	596.191	0.000	0.000	Pass
13	7879.849	606.634	0.000	0.000	Pass
14	7888.394	581.417	0.000	0.000	Pass
15	7857.569	611.610	0.000	0.000	Pass
16	7852.412	630.059	0.000	0.000	Pass
17	7893.735	607.422	0.000	0.000	Pass

(2)

18	7868.935	622.558	0.000	0.000	Pass
19	7897.473	630.603	0.000	0.000	Pass
20	7889.346	625.955	0.000	0.000	Pass
21	7875.610	607.686	0.000	0.000	Pass
22	7878.648	621.976	0.000	0.000	Pass
23	7846.270	603.418	0.000	0.000	Pass
24	7895.855	625.054	0.000	0.000	Pass
25	7864.095	621.070	0.000	0.000	Pass
26	7883.688	637.084	0.000	0.000	Pass
27	7876.378	638.453	0.000	0.000	Pass
28	7872.239	643.466	0.000	0.000	Pass
29	7870.720	605.111	0.000	0.000	Pass
30	7874.142	599.714	0.000	0.000	Pass
31	7883.538	605.147	0.000	0.000	Pass

(3)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.04.22 11:05:59  
 Results file name: 94ML0559.VER  
 Inspection number:  
 Item id: PWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Database  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: AFAS PWR COLLAR J-MOX Front

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.04.22  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.04.22

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001

(1)

Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 12  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 7849.739 +- 3.941  
 Doubles: 613.864 +- 3.607  
 Triples: 0.000 +- 0.000  
 Scaler 1: 24.336 +- 0.181  
 Scaler 2: 0.000 +- 0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7825.509	614.862	0.000	0.000	Pass
2	7841.547	599.640	0.000	0.000	Pass
3	7864.595	604.492	0.000	0.000	Pass
4	7850.626	602.784	0.000	0.000	Pass
5	7843.116	627.650	0.000	0.000	Pass
6	7866.615	593.212	0.000	0.000	Pass
7	7836.758	612.942	0.000	0.000	Pass
8	7873.574	609.658	0.000	0.000	Pass
9	7854.048	625.029	0.000	0.000	Pass
10	7840.513	615.734	0.000	0.000	Pass
11	7851.661	628.253	0.000	0.000	Pass
12	7848.306	632.113	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.05.17 14:11:00  
 Results file name: 95H01100.VER  
 Inspection number:  
 Item id: BWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: AFAS BWR COLLAR J-MOX Back

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.05.17  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.05.17

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001

(1)

Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 14  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Passive results

Singles: 8044.119 +- 3.090  
 Doubles: 660.530 +- 4.427  
 Triples: 0.000 +- 0.000  
 Scaler 1: 18.375 +- 0.200  
 Scaler 2: 0.000 +- 0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	8030.927	649.942	0.000	0.000	Pass
2	8034.252	652.171	0.000	0.000	Pass
3	8039.699	648.371	0.000	0.000	Pass
4	8037.343	634.264	0.000	0.000	Pass
5	8036.942	685.511	0.000	0.000	Pass
6	8034.101	680.634	0.000	0.000	Pass
7	8056.543	665.650	0.000	0.000	Pass
8	8042.540	656.078	0.000	0.000	Pass
9	8068.006	647.830	0.000	0.000	Pass
10	8053.635	651.945	0.000	0.000	Pass
11	8058.063	642.749	0.000	0.000	Pass
12	8050.460	684.042	0.000	0.000	Pass
13	8030.125	673.764	0.000	0.000	Pass
14	8045.030	674.474	0.000	0.000	Pass

(2)

INCC 5.1.2

```

Facility: JMOX
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR_01
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 19.05.17 10:56:07
Results file name: 95HK5607.VER
Inspection number:
Item id: BWR COLLAR
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name: JAEA
Passive comment: AFAS BWR COLLAR J-MOX Front

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 19.05.17
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 19.05.17

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.1970
Multiplicity deadtime: 160.0000
Coefficient A deadtime: 0.6419
Coefficient B deadtime: 0.1030
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
    
```

(1)

```

Triples gate fraction: 0.0001
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Passive error messages
Known alpha analysis error

Results
Singles: 7989.509 +- 5.140
Doubles: 650.672 +- 3.446
Triples: 0.000 +- 0.000
Scaler 1: 12.807 +- 0.177
Scaler 2: 0.000 +- 0.000
    
```

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7958.992	644.451	0.000	0.000	Pass
2	7993.213	644.197	0.000	0.000	Pass
3	7973.813	654.424	0.000	0.000	Pass
4	8012.128	672.684	0.000	0.000	Pass
5	7989.938	656.358	0.000	0.000	Pass
6	7978.826	642.331	0.000	0.000	Pass
7	7988.902	631.765	0.000	0.000	Pass
8	7994.216	651.585	0.000	0.000	Pass
9	7992.545	655.086	0.000	0.000	Pass
10	8012.513	653.838	0.000	0.000	Pass

(2)

INCC 5.1.2

```

Facility: JMOX
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR_03
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 19.05.17 13:36:32
Results file name: 95HN3632.VER
Inspection number:
Item id: PWR COLLAR
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name: JAEA
Passive comment: AFAS PWR COLLAR J-MOX Back

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 19.05.17
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 19.05.17

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.1620
Multiplicity deadtime: 86.5000
Coefficient A deadtime: 0.3458
Coefficient B deadtime: 0.0299
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
    
```

(1)

```

Triples gate fraction: 0.0001
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Passive error messages
No passive calibration curve calibration
No known alpha calibration

Results
Singles: 7715.024 +- 3.949
Doubles: 606.170 +- 4.421
Triples: 0.000 +- 0.000
Scaler 1: 28.842 +- 0.220
Scaler 2: 0.000 +- 0.000
    
```

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7711.206	621.188	0.000	0.000	Pass
2	7692.931	630.776	0.000	0.000	Pass
3	7708.135	589.319	0.000	0.000	Pass
4	7717.664	589.053	0.000	0.000	Pass
5	7736.973	616.063	0.000	0.000	Pass
6	7723.038	599.399	0.000	0.000	Pass
7	7721.169	603.208	0.000	0.000	Pass
8	7719.850	610.845	0.000	0.000	Pass
9	7700.107	608.735	0.000	0.000	Pass
10	7719.166	593.114	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.05.17 13:23:28  
 Results file name: 95HN2328.VER  
 Inspection number:  
 Item id: PWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: AFAS PWR COLLAR J-MOX Front

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.05.17  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.05.17

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001

(1)

Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 7703.699 +- 3.221  
 Doubles: 602.809 +- 2.935  
 Triples: 0.000 +- 0.000  
 Scaler 1: 24.128 +- 0.181  
 Scaler 2: 0.000 +- 0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7694.583	601.899	0.000	0.000	Pass
2	7709.236	600.298	0.000	0.000	Pass
3	7714.693	599.748	0.000	0.000	Pass
4	7709.169	591.274	0.000	0.000	Pass
5	7698.772	618.845	0.000	0.000	Pass
6	7709.336	611.194	0.000	0.000	Pass
7	7685.588	608.131	0.000	0.000	Pass
8	7712.307	608.888	0.000	0.000	Pass
9	7691.579	587.795	0.000	0.000	Pass
10	7711.723	600.015	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.04 13:59:43  
 Results file name: 964N5943.VER  
 Inspection number:  
 Item id: BWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: Back

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001

(1)

Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 7963.163 +- 3.609  
 Doubles: 660.020 +- 4.803  
 Triples: 0.000 +- 0.000  
 Scaler 1: 17.628 +- 0.209  
 Scaler 2: 0.000 +- 0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7966.127	678.812	0.000	0.000	Pass
2	7947.931	646.339	0.000	0.000	Pass
3	7963.036	645.122	0.000	0.000	Pass
4	7953.111	643.929	0.000	0.000	Pass
5	7951.022	656.609	0.000	0.000	Pass
6	7975.551	664.158	0.000	0.000	Pass
7	7962.835	644.921	0.000	0.000	Pass
8	7986.162	663.761	0.000	0.000	Pass
9	7962.384	670.602	0.000	0.000	Pass
10	7963.470	685.947	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.05 11:03:02  
 Results file name: 965L0302.VER  
 Inspection number:  
 Item id: BWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.05  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001

(1)

Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 7898.248 +- 4.471  
 Doubles: 654.043 +- 4.348  
 Triples: 0.000 +- 0.000  
 Scaler 1: 13.020 +- 0.123  
 Scaler 2: 0.000 +- 0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7894.010	671.042	0.000	0.000	Pass
2	7881.312	655.876	0.000	0.000	Pass
3	7916.167	663.278	0.000	0.000	Pass
4	7883.634	632.308	0.000	0.000	Pass
5	7886.792	639.714	0.000	0.000	Pass
6	7897.503	663.807	0.000	0.000	Pass
7	7908.898	635.619	0.000	0.000	Pass
8	7885.455	651.138	0.000	0.000	Pass
9	7910.335	661.433	0.000	0.000	Pass
10	7918.372	666.211	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.05 09:37:41  
 Results file name: 965J3741.VER  
 Inspection number:  
 Item id: PWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: Back  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.05  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001

(1)

Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration

No known alpha calibration

Results

Singles: 7635.859 +- 3.751  
 Doubles: 595.330 +- 4.140  
 Triples: 0.000 +- 0.000  
 Scaler 1: 28.722 +- 0.113  
 Scaler 2: 0.000 +- 0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7648.906	588.037	0.000	0.000	Pass
2	7659.203	586.451	0.000	0.000	Pass
3	7619.484	601.850	0.000	0.000	Pass
4	7641.980	578.009	0.000	0.000	Pass
5	7628.396	610.157	0.000	0.000	Pass
6	7630.198	592.812	0.000	0.000	Pass
7	7639.060	607.336	0.000	0.000	Pass
8	7626.744	611.477	0.000	0.000	Pass
9	7636.740	575.434	0.000	0.000	Pass
10	7627.878	601.735	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.05 09:53:45  
 Results file name: 965J5345.VER  
 Inspection number:  
 Item id: PWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: Front

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001

(1)

Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 7616.312 +- 4.153  
 Doubles: 598.483 +- 2.718  
 Triples: 0.000 +- 0.000  
 Scaler 1: 23.590 +- 0.180  
 Scaler 2: 0.000 +- 0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7617.281	596.603	0.000	0.000	Pass
2	7602.929	591.085	0.000	0.000	Pass
3	7628.930	605.077	0.000	0.000	Pass
4	7608.102	610.187	0.000	0.000	Pass
5	7628.496	590.990	0.000	0.000	Pass
6	7591.581	595.227	0.000	0.000	Pass
7	7611.941	583.885	0.000	0.000	Pass
8	7630.682	610.108	0.000	0.000	Pass
9	7614.377	600.412	0.000	0.000	Pass
10	7628.796	601.251	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.03 13:46:55  
 Results file name: 973N4655.VER  
 Inspection number:  
 Item id: BWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: AFAS BWR COLLAR J-MOX Back

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.03

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001

(1)

Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 7800.094 +- 3.269  
 Doubles: 654.852 +- 5.432  
 Triples: 0.000 +- 0.000  
 Scaler 1: 17.913 +- 0.259  
 Scaler 2: 0.000 +- 0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7783.733	666.874	0.000	0.000	Pass
2	7798.119	661.855	0.000	0.000	Pass
3	7810.199	655.009	0.000	0.000	Pass
4	7793.040	655.739	0.000	0.000	Pass
5	7800.091	641.956	0.000	0.000	Pass
6	7793.107	615.890	0.000	0.000	Pass
7	7797.284	648.571	0.000	0.000	Pass
8	7811.285	655.395	0.000	0.000	Pass
9	7795.646	677.699	0.000	0.000	Pass
10	7818.437	669.535	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.03 13:33:51  
 Results file name: 973N3351.VER  
 Inspection number:  
 Item id: BWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: AFAS BWR COLLAR J-MOX Front

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.03

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001

(1)

Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 7748.404 +- 5.418  
 Doubles: 634.927 +- 4.908  
 Triples: 0.000 +- 0.000  
 Scaler 1: 12.877 +- 0.122  
 Scaler 2: 0.000 +- 0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7751.804	627.364	0.000	0.000	Pass
2	7762.614	644.738	0.000	0.000	Pass
3	7734.377	611.545	0.000	0.000	Pass
4	7768.345	647.672	0.000	0.000	Pass
5	7763.466	646.229	0.000	0.000	Pass
6	7747.911	649.137	0.000	0.000	Pass
7	7731.720	610.757	0.000	0.000	Pass
8	7754.811	646.108	0.000	0.000	Pass
9	7755.713	644.216	0.000	0.000	Pass
10	7713.275	621.503	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.03 14:12:02  
 Results file name: 97301202.VER  
 Inspection number:  
 Item id: PWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: AFAS PWR COLLAR J-MOX Back

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.03

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001

(1)

Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration

No known alpha calibration

Results

Singles: 7480.546 +- 5.526  
 Doubles: 591.091 +- 3.808  
 Triples: 0.000 +- 0.000  
 Scaler 1: 28.485 +- 0.165  
 Scaler 2: 0.000 +- 0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7496.904	608.123	0.000	0.000	Pass
2	7454.266	583.284	0.000	0.000	Pass
3	7460.123	582.115	0.000	0.000	Pass
4	7501.627	593.353	0.000	0.000	Pass
5	7463.845	602.352	0.000	0.000	Pass
6	7500.843	580.653	0.000	0.000	Pass
7	7485.756	601.504	0.000	0.000	Pass
8	7491.681	597.946	0.000	0.000	Pass
9	7479.048	569.286	0.000	0.000	Pass
10	7471.371	592.294	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.03 13:59:58  
 Results file name: 973N5958.VER  
 Inspection number:  
 Item id: PWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: AFAS PWR COLLAR J-MOX Front

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.03

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001

(1)

Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 7468.457 +- 5.310  
 Doubles: 581.912 +- 4.843  
 Triples: 0.000 +- 0.000  
 Scaler 1: 23.790 +- 0.182  
 Scaler 2: 0.000 +- 0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7466.982	611.977	0.000	0.000	Pass
2	7468.167	592.076	0.000	0.000	Pass
3	7435.809	562.978	0.000	0.000	Pass
4	7465.013	558.790	0.000	0.000	Pass
5	7476.144	578.610	0.000	0.000	Pass
6	7477.579	574.633	0.000	0.000	Pass
7	7478.046	592.279	0.000	0.000	Pass
8	7446.706	578.036	0.000	0.000	Pass
9	7475.093	583.004	0.000	0.000	Pass
10	7495.035	586.734	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.09 14:00:03  
 Results file name: 98900003.VER  
 Inspection number:  
 Item id: BWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: AFAS BWR COLLAR J-MOX BACK

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001

(1)

Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 7619.716 +- 3.692  
 Doubles: 638.561 +- 6.482  
 Triples: 0.000 +- 0.000  
 Scaler 1: 17.542 +- 0.193  
 Scaler 2: 0.000 +- 0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7616.153	656.619	0.000	0.000	Pass
2	7612.410	641.862	0.000	0.000	Pass
3	7622.969	602.307	0.000	0.000	Pass
4	7634.949	618.658	0.000	0.000	Pass
5	7625.342	644.832	0.000	0.000	Pass
6	7601.951	668.873	0.000	0.000	Pass
7	7602.586	658.288	0.000	0.000	Pass
8	7631.624	622.408	0.000	0.000	Pass
9	7631.223	643.360	0.000	0.000	Pass
10	7617.957	628.399	0.000	0.000	Pass

(2)



INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.09 13:44:58  
 Results file name: 989N4458.VER  
 Inspection number:  
 Item id: BWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: AFAS BWR COLLAR J-MOX FRONT

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.09  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001

(1)

Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 7539.391 +- 3.963  
 Doubles: 623.465 +- 3.497  
 Triples: 0.000 +- 0.000  
 Scaler 1: 12.292 +- 0.146  
 Scaler 2: 0.000 +- 0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7550.744	627.635	0.000	0.000	Pass
2	7529.292	610.812	0.000	0.000	Pass
3	7530.044	632.131	0.000	0.000	Pass
4	7530.211	617.444	0.000	0.000	Pass
5	7520.872	617.792	0.000	0.000	Pass
6	7557.226	636.380	0.000	0.000	Pass
7	7540.168	602.375	0.000	0.000	Pass
8	7558.028	627.855	0.000	0.000	Pass
9	7539.249	627.111	0.000	0.000	Pass
10	7538.080	635.116	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.09 14:27:36  
 Results file name: 989O2736.VER  
 Inspection number:  
 Item id: PWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: AFAS PWR COLLAR J-MOX BACK

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.09  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001

(1)

Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 7280.921 +- 5.021  
 Doubles: 558.501 +- 4.099  
 Triples: 0.000 +- 0.000  
 Scaler 1: 27.020 +- 0.280  
 Scaler 2: 0.000 +- 0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7296.534	553.010	0.000	0.000	Pass
2	7272.771	548.712	0.000	0.000	Pass
3	7292.496	563.352	0.000	0.000	Pass
4	7276.092	563.616	0.000	0.000	Pass
5	7264.861	562.962	0.000	0.000	Pass
6	7308.566	584.258	0.000	0.000	Pass
7	7258.186	554.390	0.000	0.000	Pass
8	7278.195	534.778	0.000	0.000	Pass
9	7269.467	554.091	0.000	0.000	Pass
10	7292.045	565.842	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.09 14:12:32  
 Results file name: 98901232.VER  
 Inspection number:  
 Item id: PWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: AFAS PWR COLLAR J-MOX FRONT

Isotopics id: Default  
 Isotopics source code: 0D

Isotope	Count	Rate	Rate Error	Rate Error
Pu238	0.0000	0.0000	0.0000	0.0000
Pu239	0.0000	0.0000	0.0000	0.0000
Pu240	100.0000	0.0000	100.0000	0.0000
Pu241	0.0000	0.0000	0.0000	0.0000
Pu242	0.0000	0.0000	0.0000	0.0000
Pu date	00.01.01	19.08.09		
Am241	0.0000	0.0000	0.0000	0.0000
Am date	00.01.01	19.08.09		

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001

(1)

Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Category	Value	Rate	Rate Error
Singles	7274.714	0.000	4.972
Doubles	567.262	0.000	2.948
Triples	0.000	0.000	0.000
Scaler 1	22.767	0.000	0.181
Scaler 2	0.000	0.000	0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7287.857	572.524	0.000	0.000	Pass
2	7246.255	564.680	0.000	0.000	Pass
3	7274.991	583.550	0.000	0.000	Pass
4	7267.298	568.243	0.000	0.000	Pass
5	7277.060	563.767	0.000	0.000	Pass
6	7266.847	554.625	0.000	0.000	Pass
7	7285.988	571.438	0.000	0.000	Pass
8	7264.661	572.837	0.000	0.000	Pass
9	7271.753	551.285	0.000	0.000	Pass
10	7304.428	569.670	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.09 13:36:30  
 Results file name: 999N3630.VER  
 Inspection number:  
 Item id: BWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 0C

Isotope	Count	Rate	Rate Error	Rate Error
Pu238	0.0000	0.0000	0.0000	0.0000
Pu239	0.0000	0.0000	0.0000	0.0000
Pu240	100.0000	0.0000	100.0000	0.0000
Pu241	0.0000	0.0000	0.0000	0.0000
Pu242	0.0000	0.0000	0.0000	0.0000
Pu date	00.01.01	19.09.09		
Am241	0.0000	0.0000	0.0000	0.0000
Am date	00.01.01	19.09.09		

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001

(1)

Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Category	Value	Rate	Rate Error
Singles	7437.119	0.000	5.763
Doubles	615.776	0.000	5.012
Triples	0.000	0.000	0.000
Scaler 1	17.023	0.000	0.138
Scaler 2	0.000	0.000	0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7438.173	635.745	0.000	0.000	Pass
2	7439.109	610.274	0.000	0.000	Pass
3	7458.154	596.583	0.000	0.000	Pass
4	7439.810	614.980	0.000	0.000	Pass
5	7424.892	640.378	0.000	0.000	Pass
6	7459.257	622.842	0.000	0.000	Pass
7	7396.274	597.262	0.000	0.000	Pass
8	7431.106	600.005	0.000	0.000	Pass
9	7433.880	610.272	0.000	0.000	Pass
10	7450.536	629.420	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.09 13:20:25  
 Results file name: 999N2025.VER  
 Inspection number:  
 Item id: BWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.09  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001

(1)

Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 7382.406 +- 4.216  
 Doubles: 614.545 +- 5.791  
 Triples: 0.000 +- 0.000  
 Scaler 1: 12.408 +- 0.153  
 Scaler 2: 0.000 +- 0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7383.593	622.309	0.000	0.000	Pass
2	7374.121	587.257	0.000	0.000	Pass
3	7368.675	615.622	0.000	0.000	Pass
4	7392.080	628.475	0.000	0.000	Pass
5	7370.746	614.115	0.000	0.000	Pass
6	7407.617	599.259	0.000	0.000	Pass
7	7395.455	633.969	0.000	0.000	Pass
8	7369.460	589.365	0.000	0.000	Pass
9	7389.374	642.289	0.000	0.000	Pass
10	7372.935	612.793	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.09 14:09:40  
 Results file name: 999O0940.VER  
 Inspection number:  
 Item id: PWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.09  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001

(1)

Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 7135.388 +- 1.805  
 Doubles: 561.320 +- 3.657  
 Triples: 0.000 +- 0.000  
 Scaler 1: 26.897 +- 0.189  
 Scaler 2: 0.000 +- 0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7126.089	570.721	0.000	0.000	Pass
2	7134.783	561.300	0.000	0.000	Pass
3	7141.992	545.679	0.000	0.000	Pass
4	7136.051	556.722	0.000	0.000	Pass
5	7138.854	551.911	0.000	0.000	Pass
6	7131.045	586.829	0.000	0.000	Pass
7	7135.917	552.094	0.000	0.000	Pass
8	7140.757	566.029	0.000	0.000	Pass
9	7141.257	559.847	0.000	0.000	Pass
10	7127.140	562.067	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.09 13:51:35  
 Results file name: 999N5135.VER  
 Inspection number:  
 Item id: PWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001

(1)

Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 7117.810 +- 3.229  
 Doubles: 556.789 +- 4.333  
 Triples: 0.000 +- 0.000  
 Scaler 1: 22.355 +- 0.220  
 Scaler 2: 0.000 +- 0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7121.650	565.341	0.000	0.000	Pass
2	7115.559	565.189	0.000	0.000	Pass
3	7116.310	545.541	0.000	0.000	Pass
4	7136.552	570.941	0.000	0.000	Pass
5	7125.338	560.513	0.000	0.000	Pass
6	7104.212	539.657	0.000	0.000	Pass
7	7112.105	569.900	0.000	0.000	Pass
8	7128.258	562.117	0.000	0.000	Pass
9	7112.839	558.522	0.000	0.000	Pass
10	7105.280	530.168	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.07 13:52:47  
 Results file name: 9A7N5247.VER  
 Inspection number:  
 Item id: BWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: Back

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.07  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.07

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001

(1)

Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 7286.118 +- 3.945  
 Doubles: 606.768 +- 2.867  
 Triples: 0.000 +- 0.000  
 Scaler 1: 16.518 +- 0.196  
 Scaler 2: 0.000 +- 0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7275.439	598.187	0.000	0.000	Pass
2	7293.181	618.304	0.000	0.000	Pass
3	7283.475	603.833	0.000	0.000	Pass
4	7295.920	602.649	0.000	0.000	Pass
5	7261.507	615.479	0.000	0.000	Pass
6	7294.701	599.936	0.000	0.000	Pass
7	7303.705	597.143	0.000	0.000	Pass
8	7275.924	598.472	0.000	0.000	Pass
9	7292.412	613.616	0.000	0.000	Pass
10	7284.911	620.059	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.07 13:36:43  
 Results file name: 9A7N3643.VER  
 Inspection number:  
 Item id: BWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: Front  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.07  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.07  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001

(1)

Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 7224.379 +- 3.784  
 Doubles: 593.605 +- 3.246  
 Triples: 0.000 +- 0.000  
 Scaler 1: 11.738 +- 0.122  
 Scaler 2: 0.000 +- 0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7230.050	589.295	0.000	0.000	Pass
2	7215.584	590.813	0.000	0.000	Pass
3	7220.127	598.300	0.000	0.000	Pass
4	7198.076	610.129	0.000	0.000	Pass
5	7219.259	582.443	0.000	0.000	Pass
6	7237.301	606.210	0.000	0.000	Pass
7	7228.163	587.068	0.000	0.000	Pass
8	7223.920	581.674	0.000	0.000	Pass
9	7233.709	586.283	0.000	0.000	Pass
10	7237.601	603.832	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.07 14:22:37  
 Results file name: 9A7O2237.VER  
 Inspection number:  
 Item id: PWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: Back  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.07  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.07  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001

(1)

Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration

No known alpha calibration

Results

Singles: 6983.992 +- 5.240  
 Doubles: 546.923 +- 3.364  
 Triples: 0.000 +- 0.000  
 Scaler 1: 26.190 +- 0.283  
 Scaler 2: 0.000 +- 0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6994.995	563.729	0.000	0.000	Pass
2	7001.987	544.684	0.000	0.000	Pass
3	6984.583	545.516	0.000	0.000	Pass
4	6983.031	548.239	0.000	0.000	Pass
5	6971.467	552.480	0.000	0.000	Pass
6	6988.988	527.473	0.000	0.000	Pass
7	6949.657	534.466	0.000	0.000	Pass
8	6972.435	555.287	0.000	0.000	Pass
9	6985.818	542.075	0.000	0.000	Pass
10	7006.960	555.277	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.07 14:06:32  
 Results file name: 9A700632.VER  
 Inspection number:  
 Item id: PWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: Front

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.07  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.07

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001

(1)

Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 6970.144 +- 2.925  
 Doubles: 539.536 +- 4.450  
 Triples: 0.000 +- 0.000  
 Scaler 1: 21.940 +- 0.200  
 Scaler 2: 0.000 +- 0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6966.594	523.643	0.000	0.000	Pass
2	6965.243	564.024	0.000	0.000	Pass
3	6973.736	546.967	0.000	0.000	Pass
4	6989.272	549.176	0.000	0.000	Pass
5	6965.443	525.030	0.000	0.000	Pass
6	6974.320	520.036	0.000	0.000	Pass
7	6956.048	536.188	0.000	0.000	Pass
8	6967.813	538.964	0.000	0.000	Pass
9	6964.158	552.897	0.000	0.000	Pass
10	6978.809	538.431	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.05 13:42:50  
 Results file name: 9B5N4250.VER  
 Inspection number:  
 Item id: BWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: Back

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001

(1)

Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 7134.676 +- 3.543  
 Doubles: 595.037 +- 3.774  
 Triples: 0.000 +- 0.000  
 Scaler 1: 16.450 +- 0.165  
 Scaler 2: 0.000 +- 0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7133.328	593.796	0.000	0.000	Pass
2	7154.276	602.645	0.000	0.000	Pass
3	7117.642	589.336	0.000	0.000	Pass
4	7143.284	602.640	0.000	0.000	Pass
5	7121.367	601.376	0.000	0.000	Pass
6	7130.922	584.302	0.000	0.000	Pass
7	7142.799	609.153	0.000	0.000	Pass
8	7133.962	585.827	0.000	0.000	Pass
9	7142.398	608.734	0.000	0.000	Pass
10	7126.779	572.563	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.05 13:26:46  
 Results file name: 9B5N2646.VER  
 Inspection number:  
 Item id: BWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: Front  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.05  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001

(1)

Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000  
  
 Number passive cycles: 10  
 Count time (sec): 60  
  
 Passive error messages  
 Known alpha analysis error  
  
 Results  
 Singles: 7087.002 +- 4.377  
 Doubles: 587.274 +- 3.776  
 Triples: 0.000 +- 0.000  
 Scaler 1: 11.633 +- 0.131  
 Scaler 2: 0.000 +- 0.000  
  
 Passive cycle rate data  

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7088.993	568.749	0.000	0.000	Pass
2	7103.125	593.768	0.000	0.000	Pass
3	7082.929	594.045	0.000	0.000	Pass
4	7082.762	597.879	0.000	0.000	Pass
5	7079.872	601.913	0.000	0.000	Pass
6	7069.349	582.989	0.000	0.000	Pass
7	7108.120	598.960	0.000	0.000	Pass
8	7094.038	587.084	0.000	0.000	Pass
9	7095.926	573.305	0.000	0.000	Pass
10	7064.905	574.047	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.05 14:19:54  
 Results file name: 9B5O1954.VER  
 Inspection number:  
 Item id: PWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment: Back  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.05  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001

(1)

Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000  
  
 Number passive cycles: 10  
 Count time (sec): 60  
  
 Passive error messages  
 No passive calibration curve calibration  
 No known alpha calibration  
  
 Results  
 Singles: 6852.732 +- 3.806  
 Doubles: 539.250 +- 2.566  
 Triples: 0.000 +- 0.000  
 Scaler 1: 25.647 +- 0.142  
 Scaler 2: 0.000 +- 0.000  
  
 Passive cycle rate data  

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6835.238	542.147	0.000	0.000	Pass
2	6846.635	542.216	0.000	0.000	Pass
3	6870.613	544.810	0.000	0.000	Pass
4	6854.160	539.377	0.000	0.000	Pass
5	6872.298	537.710	0.000	0.000	Pass
6	6845.016	542.700	0.000	0.000	Pass
7	6847.452	529.035	0.000	0.000	Pass
8	6862.320	524.510	0.000	0.000	Pass
9	6848.537	553.442	0.000	0.000	Pass
10	6845.049	536.552	0.000	0.000	Pass

(2)

INCC 5.1.2

```

Facility: JMOX
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR_03
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 19.11.05 14:01:49
Results file name: 9B500149.VER
Inspection number:
Item id: PWR COLLAR
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name: JAEA
Passive comment: Front

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 19.11.05
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 19.11.05

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.1620
Multiplicity deadtime: 86.5000
Coefficient A deadtime: 0.3458
Coefficient B deadtime: 0.0299
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
    
```

(1)

```

Triples gate fraction: 0.0001
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Passive error messages
No passive calibration curve calibration
No known alpha calibration

Results
Singles: 6835.890 +- 3.142
Doubles: 537.123 +- 2.907
Triples: 0.000 +- 0.000
Scaler 1: 22.047 +- 0.197
Scaler 2: 0.000 +- 0.000
    
```

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6839.326	553.624	0.000	0.000	Pass
2	6834.704	537.569	0.000	0.000	Pass
3	6853.259	539.193	0.000	0.000	Pass
4	6845.900	544.939	0.000	0.000	Pass
5	6837.307	541.946	0.000	0.000	Pass
6	6833.202	527.746	0.000	0.000	Pass
7	6832.735	538.621	0.000	0.000	Pass
8	6837.157	520.379	0.000	0.000	Pass
9	6815.498	535.093	0.000	0.000	Pass
10	6829.815	532.122	0.000	0.000	Pass

(2)

INCC 5.1.2

```

Facility: JMOX
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR_01
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 19.12.04 11:19:09
Results file name: 9C4L1909.VER
Inspection number:
Item id: BWR COLLAR
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 19.12.04
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 19.12.04

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.1970
Multiplicity deadtime: 160.0000
Coefficient A deadtime: 0.6419
Coefficient B deadtime: 0.1030
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
    
```

(1)

```

Triples gate fraction: 0.0001
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Passive error messages
Known alpha analysis error

Results
Singles: 7002.807 +- 5.599
Doubles: 586.357 +- 5.692
Triples: 0.000 +- 0.000
Scaler 1: 16.467 +- 0.122
Scaler 2: 0.000 +- 0.000
    
```

sPassive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6980.549	591.946	0.000	0.000	Pass
2	7005.304	567.814	0.000	0.000	Pass
3	7024.447	590.808	0.000	0.000	Pass
4	7008.545	604.396	0.000	0.000	Pass
5	7000.577	584.286	0.000	0.000	Pass
6	6992.425	554.483	0.000	0.000	Pass
7	7008.545	583.168	0.000	0.000	Pass
8	6975.471	571.403	0.000	0.000	Pass
9	7033.016	603.384	0.000	0.000	Pass
10	6999.190	611.876	0.000	0.000	Pass

(2)



INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.04 11:02:05  
 Results file name: 9C4L0205.VER  
 Inspection number:  
 Item id: BWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001

(1)

Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 6931.083 +- 3.655  
 Doubles: 572.639 +- 4.683  
 Triples: 0.000 +- 0.000  
 Scaler 1: 11.673 +- 0.110  
 Scaler 2: 0.000 +- 0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6936.684	597.839	0.000	0.000	Pass
2	6931.122	576.911	0.000	0.000	Pass
3	6947.157	585.740	0.000	0.000	Pass
4	6948.360	556.158	0.000	0.000	Pass
5	6928.967	564.070	0.000	0.000	Pass
6	6932.207	581.381	0.000	0.000	Pass
7	6921.350	570.931	0.000	0.000	Pass
8	6914.201	548.948	0.000	0.000	Pass
9	6916.339	563.195	0.000	0.000	Pass
10	6934.446	581.215	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.04 13:40:10  
 Results file name: 9C4N4010.VER  
 Inspection number:  
 Item id: PWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001

(1)

Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration

No known alpha calibration

Results

Singles: 6703.282 +- 2.874  
 Doubles: 531.056 +- 4.874  
 Triples: 0.000 +- 0.000  
 Scaler 1: 24.977 +- 0.199  
 Scaler 2: 0.000 +- 0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6707.672	551.578	0.000	0.000	Pass
2	6706.287	540.235	0.000	0.000	Pass
3	6712.427	495.716	0.000	0.000	Pass
4	6704.618	520.121	0.000	0.000	Pass
5	6689.284	538.377	0.000	0.000	Pass
6	6696.793	542.789	0.000	0.000	Pass
7	6720.537	532.219	0.000	0.000	Pass
8	6695.191	523.861	0.000	0.000	Pass
9	6698.161	535.422	0.000	0.000	Pass
10	6701.848	530.244	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.04 13:23:06  
 Results file name: 9C4N2306.VER  
 Inspection number:  
 Item id: PWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.04  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001

(1)

Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000  
  
 Number passive cycles: 10  
 Count time (sec): 60  
  
 Passive error messages  
 No passive calibration curve calibration  
 No known alpha calibration  
  
 Results  
 Singles: 6686.965 +- 4.568  
 Doubles: 521.469 +- 2.407  
 Triples: 0.000 +- 0.000  
 Scaler 1: 21.132 +- 0.129  
 Scaler 2: 0.000 +- 0.000

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6691.119	514.138	0.000	0.000	Pass
2	6656.813	522.668	0.000	0.000	Pass
3	6688.049	513.002	0.000	0.000	Pass
4	6682.726	524.377	0.000	0.000	Pass
5	6687.932	513.436	0.000	0.000	Pass
6	6700.247	522.609	0.000	0.000	Pass
7	6697.527	515.275	0.000	0.000	Pass
8	6688.633	522.992	0.000	0.000	Pass
9	6670.445	530.940	0.000	0.000	Pass
10	6706.153	535.256	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.08 11:27:11  
 Results file name: 018L2711.VER  
 Inspection number:  
 Item id: BWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.08  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001

(1)

Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000  
  
 Number passive cycles: 10  
 Count time (sec): 60  
  
 Passive error messages  
 Known alpha analysis error  
  
 Results  
 Singles: 6812.360 +- 3.287  
 Doubles: 564.915 +- 3.014  
 Triples: 0.000 +- 0.000  
 Scaler 1: 15.907 +- 0.116  
 Scaler 2: 0.000 +- 0.000

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6831.769	575.954	0.000	0.000	Pass
2	6815.701	576.500	0.000	0.000	Pass
3	6810.189	566.571	0.000	0.000	Pass
4	6812.210	554.201	0.000	0.000	Pass
5	6799.749	558.014	0.000	0.000	Pass
6	6817.438	561.636	0.000	0.000	Pass
7	6812.677	547.790	0.000	0.000	Pass
8	6794.822	573.931	0.000	0.000	Pass
9	6820.762	567.044	0.000	0.000	Pass
10	6808.284	567.508	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.08 11:11:06  
 Results file name: 018L1106.VER  
 Inspection number:  
 Item id: BWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.08

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001

(1)

Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 6751.237 +- 5.009  
 Doubles: 551.266 +- 3.124  
 Triples: 0.000 +- 0.000  
 Scaler 1: 11.360 +- 0.149  
 Scaler 2: 0.000 +- 0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6745.364	551.717	0.000	0.000	Pass
2	6774.461	565.972	0.000	0.000	Pass
3	6752.363	545.593	0.000	0.000	Pass
4	6738.065	531.879	0.000	0.000	Pass
5	6740.303	541.923	0.000	0.000	Pass
6	6754.334	554.599	0.000	0.000	Pass
7	6774.026	561.051	0.000	0.000	Pass
8	6740.086	557.406	0.000	0.000	Pass
9	6728.044	554.590	0.000	0.000	Pass
10	6765.324	547.924	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.08 13:30:44  
 Results file name: 018N3044.VER  
 Inspection number:  
 Item id: PWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.08

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3457  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001

(1)

Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration

No known alpha calibration

Results

Singles: 6529.248 +- 4.350  
 Doubles: 507.038 +- 3.969  
 Triples: 0.000 +- 0.000  
 Scaler 1: 24.717 +- 0.159  
 Scaler 2: 0.000 +- 0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6548.705	515.800	0.000	0.000	Pass
2	6516.269	503.216	0.000	0.000	Pass
3	6537.292	518.521	0.000	0.000	Pass
4	6512.097	514.290	0.000	0.000	Pass
5	6519.973	489.435	0.000	0.000	Pass
6	6533.421	505.190	0.000	0.000	Pass
7	6511.096	498.070	0.000	0.000	Pass
8	6534.089	493.380	0.000	0.000	Pass
9	6547.504	530.249	0.000	0.000	Pass
10	6532.036	502.233	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.08 13:14:40  
 Results file name: 018N1440.VER  
 Inspection number:  
 Item id: PWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.08

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3457  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001

(1)

Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 6523.921 +- 3.002  
 Doubles: 507.836 +- 2.832  
 Triples: 0.000 +- 0.000  
 Scaler 1: 20.390 +- 0.212  
 Scaler 2: 0.000 +- 0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6506.458	524.228	0.000	0.000	Pass
2	6514.183	494.362	0.000	0.000	Pass
3	6530.602	514.995	0.000	0.000	Pass
4	6529.450	497.906	0.000	0.000	Pass
5	6526.497	505.305	0.000	0.000	Pass
6	6535.040	514.778	0.000	0.000	Pass
7	6536.291	507.696	0.000	0.000	Pass
8	6523.026	506.224	0.000	0.000	Pass
9	6518.738	511.936	0.000	0.000	Pass
10	6518.922	500.928	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.04 12:12:14  
 Results file name: 024M1214.VER  
 Inspection number:  
 Item id: BWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment: Back

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001

(1)

Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 6686.860 +- 4.832  
 Doubles: 559.373 +- 2.090  
 Triples: 0.000 +- 0.000  
 Scaler 1: 15.335 +- 0.220  
 Scaler 2: 0.000 +- 0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6711.642	576.445	0.000	0.000	Pass
2	6685.302	561.354	0.000	0.000	Pass
3	6679.773	555.025	0.000	0.000	Pass
4	6666.495	556.208	0.000	0.000	Pass
5	6669.401	554.770	0.000	0.000	Pass
6	6702.622	558.849	0.000	0.000	Pass
7	6682.345	561.905	0.000	0.000	Pass
8	6677.836	553.836	0.000	0.000	Pass
9	6705.963	559.168	0.000	0.000	Pass
10	6687.222	556.166	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.04 11:14:58  
 Results file name: 024L1458.VER  
 Inspection number:  
 Item id: BWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment: Front  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.04  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001

(1)

Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 6641.057 +- 5.706  
 Doubles: 549.842 +- 3.712  
 Triples: 0.000 +- 0.000  
 Scaler 1: 11.118 +- 0.131  
 Scaler 2: 0.000 +- 0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6616.622	534.783	0.000	0.000	Pass
2	6656.573	548.489	0.000	0.000	Pass
3	6621.465	557.464	0.000	0.000	Pass
4	6659.396	542.497	0.000	0.000	Pass
5	6656.674	555.786	0.000	0.000	Pass
6	6648.172	559.064	0.000	0.000	Pass
7	6661.534	573.514	0.000	0.000	Pass
8	6638.234	544.549	0.000	0.000	Pass
9	6616.104	536.708	0.000	0.000	Pass
10	6635.796	545.569	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.04 13:21:00  
 Results file name: 024N2100.VER  
 Inspection number:  
 Item id: PWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment: Front  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.04  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001

(1)

Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration

No known alpha calibration

Results

Singles: 6407.258 +- 3.811  
 Doubles: 499.928 +- 3.776  
 Triples: 0.000 +- 0.000  
 Scaler 1: 20.233 +- 0.199  
 Scaler 2: 0.000 +- 0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6404.228	502.328	0.000	0.000	Pass
2	6422.598	514.258	0.000	0.000	Pass
3	6407.582	508.876	0.000	0.000	Pass
4	6408.433	510.747	0.000	0.000	Pass
5	6410.652	510.764	0.000	0.000	Pass
6	6386.091	490.014	0.000	0.000	Pass
7	6420.680	496.785	0.000	0.000	Pass
8	6414.806	480.799	0.000	0.000	Pass
9	6388.277	483.166	0.000	0.000	Pass
10	6409.234	501.544	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.04 14:14:15  
 Results file name: 02401415.VER  
 Inspection number:  
 Item id: PWR COLLAR  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment: Front 2  
  
 Isotopics id: Default  
 Isotopics source code: 0D  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.04  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001

(1)

Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 0.000 +- 0.000  
 Passive doubles bkgnd: 0.000 +- 0.000  
 Passive triples bkgnd: 0.000 +- 0.000  
 Passive scaler1 bkgnd: 0.000  
 Passive scaler2 bkgnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 6402.309 +- 4.481  
 Doubles: 500.739 +- 2.791  
 Triples: 0.000 +- 0.000  
 Scaler 1: 20.472 +- 0.234  
 Scaler 2: 0.000 +- 0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6412.521	496.099	0.000	0.000	Pass
2	6406.798	513.035	0.000	0.000	Pass
3	6411.836	497.853	0.000	0.000	Pass
4	6403.127	498.920	0.000	0.000	Pass
5	6395.101	503.846	0.000	0.000	Pass
6	6419.061	501.178	0.000	0.000	Pass
7	6396.620	487.093	0.000	0.000	Pass
8	6368.772	503.574	0.000	0.000	Pass
9	6411.369	490.586	0.000	0.000	Pass
10	6397.888	515.205	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: COLLAR-BWR  
 Detector id: AFASB  
 Electronics id: AMSR  
 Measurement date: 20.03.02 11:20:31  
 Results file name: 032L2031.RTS  
 Inspection number:  
 Item id: K7-436 Btm  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.6825  
 Triples gate fraction: 0.4761

(1)

Singles: 6548.055 +- 4.203  
 Doubles: 540.824 +- 2.479  
 Triples: 23.321 +- 1.449  
 Quads: 0.466 +- 1.216  
 Quads/Triples: -0.023 +- 0.059  
 Scaler 1: 0.000 +- 0.000  
 Scaler 2: 0.000 +- 0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	6571.182	564.673	36.876	Pass
2	6579.767	524.038	23.364	Pass
3	6543.958	537.248	18.860	Pass
4	6554.914	528.381	21.597	Pass
5	6554.647	540.498	36.720	Pass
6	6552.209	522.991	24.227	Pass
7	6556.785	555.027	9.627	Pass
8	6580.168	539.972	21.725	Pass
9	6524.250	552.639	18.631	Pass
10	6545.962	542.772	31.246	Pass
11	6567.407	538.427	19.548	Pass
12	6530.630	548.189	27.911	Pass
13	6531.432	527.938	22.165	Pass
14	6571.716	547.902	28.745	Pass
15	6531.632	539.988	18.512	Pass
16	6533.970	543.772	19.485	Pass
17	6531.565	550.399	25.917	Pass
18	6516.166	526.694	20.036	Pass
19	6539.816	536.543	21.056	Pass
20	6542.922	548.394	20.196	Pass

(2)

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 6.925 +- 0.108  
 Passive doubles bkgnd: 0.007 +- 0.003  
 Passive triples bkgnd: 0.000 +- 0.000  
 Passive scaler1 bkgnd: 0.000  
 Passive scaler2 bkgnd: 0.000

Number passive cycles: 20  
 Count time (sec): 30

Results

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: COLLAR-BWR  
 Detector id: AFASB  
 Electronics id: AMSR  
 Measurement date: 20.03.02 11:05:06  
 Results file name: 032L0506.RTS  
 Inspection number:  
 Item id: K7-436 Front  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Singles: 6503.762 +- 3.913  
 Doubles: 536.479 +- 3.344  
 Triples: 24.770 +- 1.733  
 Quads: 1.018 +- 0.906  
 Quads/Triples: 0.007 +- 0.039  
 Scaler 1: 0.000 +- 0.000  
 Scaler 2: 0.000 +- 0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	6500.133	516.044	10.106	Pass
2	6475.882	539.500	17.730	Pass
3	6523.081	532.353	28.979	Pass
4	6513.294	529.237	30.655	Pass
5	6509.018	534.223	24.605	Pass
6	6489.611	533.514	29.585	Pass
7	6502.070	538.505	27.314	Pass
8	6504.074	565.385	31.251	Pass
9	6495.657	501.850	16.009	Pass
10	6534.405	547.320	21.087	Pass
11	6527.089	550.832	38.872	Pass
12	6480.559	520.021	34.999	Pass
13	6513.427	531.078	27.174	Pass
14	6483.866	534.884	15.348	Pass
15	6514.730	559.129	36.855	Pass
16	6496.759	535.558	23.135	Pass
17	6511.390	554.977	24.338	Pass
18	6499.198	529.031	16.858	Pass
19	6527.724	529.209	17.802	Pass
20	6473.277	546.930	22.657	Pass

Pre-delay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.6825  
 Triples gate fraction: 0.4761

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 6.925 +- 0.108  
 Passive doubles bkgnd: 0.007 +- 0.003  
 Passive triples bkgnd: 0.000 +- 0.000  
 Passive scaler1 bkgnd: 0.000  
 Passive scaler2 bkgnd: 0.000

Number passive cycles: 20  
 Count time (sec): 30

Results

(1)

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: COLLAR  
 Detector id: AFASP  
 Electronics id: AMSR  
 Measurement date: 20.03.02 15:26:39  
 Results file name: 032P2639.RTS  
 Inspection number:  
 Item id: K7-436 Back  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Singles: 6274.083 +- 3.867  
 Doubles: 485.081 +- 2.590  
 Triples: 19.087 +- 1.322  
 Quads: 0.610 +- 0.641  
 Quads/Triples: 0.025 +- 0.036  
 Scaler 1: 0.000 +- 0.000  
 Scaler 2: 0.000 +- 0.000

Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	6276.646	473.117	15.657	Pass
2	6270.973	494.296	20.100	Pass
3	6270.372	474.352	14.042	Pass
4	6252.353	480.763	14.689	Pass
5	6255.623	459.418	14.793	Pass
6	6291.762	485.747	8.833	Pass
7	6275.645	486.580	22.343	Pass
8	6236.602	478.456	26.032	Pass
9	6285.389	501.046	25.265	Pass
10	6276.512	496.167	25.300	Pass
11	6272.608	500.476	17.857	Pass
12	6266.301	492.458	21.780	Pass
13	6297.001	490.592	28.253	Pass
14	6309.915	483.846	20.866	Pass
15	6286.690	496.971	18.443	Pass
16	6260.261	496.566	25.991	Pass
17	6279.682	480.467	13.402	Pass
18	6253.587	464.829	12.280	Pass
19	6291.362	476.995	10.090	Pass
20	6272.374	488.483	25.680	Pass

Pre-delay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.6599  
 Triples gate fraction: 0.4260

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 9.937 +- 0.175  
 Passive doubles bkgnd: 0.010 +- 0.004  
 Passive triples bkgnd: 0.000 +- 0.000  
 Passive scaler1 bkgnd: 0.000  
 Passive scaler2 bkgnd: 0.000

Number passive cycles: 20  
 Count time (sec): 30

Results

(1)

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: COLLAR  
 Detector id: AFASP  
 Electronics id: AMSR  
 Measurement date: 20.03.02 15:14:26  
 Results file name: 032P1426.RTS  
 Inspection number:  
 Item id: K7-436 Front  
 Measurement option: Rates Only  
 Detector configuration: Passive  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.6599  
 Triples gate fraction: 0.4260

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 9.937 +- 0.175  
 Passive doubles bkgnd: 0.010 +- 0.004  
 Passive triples bkgnd: 0.000 +- 0.000  
 Passive scaler1 bkgnd: 0.000  
 Passive scaler2 bkgnd: 0.000

Number passive cycles: 20  
 Count time (sec): 30

Results

(1)

Singles: 6265.732 +- 4.098  
 Doubles: 486.772 +- 2.240  
 Triples: 18.504 +- 1.388  
 Quads: 0.536 +- 0.540  
 Quads/Triples: -0.007 +- 0.050  
 Scaler 1: 0.000 +- 0.000  
 Scaler 2: 0.000 +- 0.000

## Passive cycle rate data

Cycle	Singles	Doubles	Triples	QC Tests
1	6260.028	502.044	15.015	Pass
2	6255.890	488.213	28.086	Pass
3	6286.390	488.686	15.223	Pass
4	6269.671	491.623	16.744	Pass
5	6267.402	501.511	24.155	Pass
6	6266.668	478.928	15.828	Pass
7	6289.426	493.865	15.102	Pass
8	6252.219	479.561	16.238	Pass
9	6276.546	490.422	14.988	Pass
10	6274.844	476.859	14.839	Pass
11	6315.054	495.105	15.176	Pass
12	6263.965	485.409	18.529	Pass
13	6245.545	477.689	23.282	Pass
14	6247.414	470.574	23.896	Pass
15	6240.340	477.387	2.653	Pass
16	6241.841	475.083	23.568	Pass
17	6260.695	507.122	29.718	Pass
18	6274.477	483.907	24.639	Pass
19	6276.145	492.259	13.165	Pass
20	6250.084	479.193	19.156	Pass

(2)



## 【AFAS 性能確認試験】

### (3) 2.4 AFAS の機器の異常検知方法の検討

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 09:42:09  
 Results file name: 96QJ4209.VER  
 Inspection number:  
 Item id: BB1 201906  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.456 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.692  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 44.839 +- 0.187  
 Doubles: -0.018 +- 0.020  
 Triples: 0.000 +- 0.000  
 Scaler 1: 111.028 +- 0.399  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2661	9	7	6639	0	Pass
2	2700	6	13	6752	0	Pass
3	2682	7	4	6758	0	Pass
4	2738	10	15	6554	0	Pass
5	2787	8	11	6734	0	Pass
6	2753	7	6	6619	0	Pass
7	2712	9	5	6693	0	Pass
8	2717	6	11	6728	0	Pass
9	2714	8	7	6770	0	Pass
10	2713	10	12	6785	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	43.894	0.033	0.000	0.000	Pass
2	44.544	-0.117	0.000	0.000	Pass
3	44.244	0.050	0.000	0.000	Pass
4	45.177	-0.083	0.000	0.000	Pass
5	45.994	-0.050	0.000	0.000	Pass
6	45.427	0.017	0.000	0.000	Pass
7	44.744	0.067	0.000	0.000	Pass
8	44.827	-0.083	0.000	0.000	Pass
9	44.777	0.017	0.000	0.000	Pass
10	44.760	-0.033	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 09:59:13  
 Results file name: 96QJ5913.VER  
 Inspection number:  
 Item id: BB2 201906  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.456 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.692  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 68.677 +- 0.270  
 Doubles: -0.005 +- 0.037  
 Triples: 0.000 +- 0.000  
 Scaler 1: 189.790 +- 0.573  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	4049	11	21	11383	0	Pass
2	4224	26	24	11633	0	Pass
3	4083	23	14	11559	0	Pass
4	4141	17	21	11516	0	Pass
5	4174	19	20	11430	0	Pass
6	4147	26	21	11406	0	Pass
7	4174	18	16	11384	0	Pass
8	4134	6	19	11313	0	Pass
9	4160	20	13	11375	0	Pass
10	4194	17	17	11290	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	67.027	-0.167	0.000	0.000	Pass
2	69.944	0.033	0.000	0.000	Pass
3	67.594	0.150	0.000	0.000	Pass
4	68.560	-0.067	0.000	0.000	Pass
5	69.110	-0.017	0.000	0.000	Pass
6	68.660	0.083	0.000	0.000	Pass
7	69.110	0.033	0.000	0.000	Pass
8	68.444	-0.217	0.000	0.000	Pass
9	68.877	0.117	0.000	0.000	Pass
10	69.444	0.000	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 10:15:18  
 Results file name: 96GK1518.VER  
 Inspection number:  
 Item id: BB3 201906  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.456 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.692  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 255.922 +- 0.448  
 Doubles: 0.027 +- 0.115  
 Triples: 0.000 +- 0.000  
 Scaler 1: 60.643 +- 0.222  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	15378	266	266	3683	0	Pass
2	15282	256	273	3634	0	Pass
3	15515	259	270	3724	0	Pass
4	15253	257	281	3694	0	Pass
5	15383	282	256	3733	0	Pass
6	15310	261	235	3713	0	Pass
7	15484	267	264	3652	0	Pass
8	15417	242	270	3703	0	Pass
9	15441	266	258	3664	0	Pass
10	15364	299	266	3601	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	255.844	0.000	0.000	0.000	Pass
2	254.244	-0.283	0.000	0.000	Pass
3	258.127	-0.183	0.000	0.000	Pass
4	253.760	-0.400	0.000	0.000	Pass
5	255.927	0.433	0.000	0.000	Pass
6	254.710	0.433	0.000	0.000	Pass
7	257.610	0.050	0.000	0.000	Pass
8	256.494	-0.467	0.000	0.000	Pass
9	256.894	0.133	0.000	0.000	Pass
10	255.610	0.550	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 10:31:22  
 Results file name: 96GK3122.VER  
 Inspection number:  
 Item id: BB4 201906  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.456 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.692  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 988.385 +- 1.074  
 Doubles: 4.303 +- 0.446  
 Triples: 0.000 +- 0.000  
 Scaler 1: 48.333 +- 0.303  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	59519	3938	3710	2966	0	Pass
2	59095	3890	3800	2900	0	Pass
3	59356	4054	3739	2832	0	Pass
4	59072	3949	3758	2919	0	Pass
5	59317	4058	3722	2939	0	Pass
6	59311	3932	3739	2961	0	Pass
7	59105	3949	3605	2979	0	Pass
8	59300	4099	3777	2912	0	Pass
9	59638	3946	3713	2956	0	Pass
10	59592	3988	3658	3051	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	991.527	3.800	0.000	0.000	Pass
2	984.460	1.500	0.000	0.000	Pass
3	988.810	5.250	0.000	0.000	Pass
4	984.077	3.183	0.000	0.000	Pass
5	988.160	5.600	0.000	0.000	Pass
6	988.060	3.217	0.000	0.000	Pass
7	984.627	5.733	0.000	0.000	Pass
8	987.877	5.367	0.000	0.000	Pass
9	993.510	3.883	0.000	0.000	Pass
10	992.744	5.500	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 10:47:26  
 Results file name: 96QK4726.VER  
 Inspection number:  
 Item id: BBS 201906  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.456 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.692  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 3017.592 +- 2.004  
 Doubles: 32.440 +- 1.270  
 Triples: 0.000 +- 0.000  
 Scaler 1: 52.133 +- 0.191  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	181126	36841	35081	3237	0	Pass
2	181733	37360	35099	3164	0	Pass
3	181275	37210	35305	3141	0	Pass
4	181054	37021	35297	3226	0	Pass
5	180577	36712	34864	3180	0	Pass
6	181162	37155	35279	3174	0	Pass
7	181084	36868	35056	3128	0	Pass
8	181450	37667	35310	3156	0	Pass
9	180933	36975	35275	3144	0	Pass
10	180435	37032	34811	3145	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3018.310	29.333	0.000	0.000	Pass
2	3028.427	37.683	0.000	0.000	Pass
3	3020.794	31.750	0.000	0.000	Pass
4	3017.110	28.733	0.000	0.000	Pass
5	3009.160	30.800	0.000	0.000	Pass
6	3018.910	31.267	0.000	0.000	Pass
7	3017.610	30.200	0.000	0.000	Pass
8	3023.710	39.283	0.000	0.000	Pass
9	3015.094	28.333	0.000	0.000	Pass
10	3006.794	37.017	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 11:12:33  
 Results file name: 96QL1233.VER  
 Inspection number:  
 Item id: BB6 201906  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.456 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.692  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 39.110 +- 0.229  
 Doubles: -0.010 +- 0.021  
 Triples: 0.000 +- 0.000  
 Scaler 1: 2593.083 +- 1.409  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2442	0	6	156035	0	Pass
2	2404	8	6	155845	0	Pass
3	2331	6	9	155155	0	Pass
4	2416	6	2	155493	0	Pass
5	2404	2	7	155737	0	Pass
6	2388	1	6	155701	0	Pass
7	2335	11	6	155694	0	Pass
8	2327	7	6	155475	0	Pass
9	2374	7	7	155825	0	Pass
10	2319	4	3	155305	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	40.244	-0.100	0.000	0.000	Pass
2	39.610	0.033	0.000	0.000	Pass
3	38.394	-0.050	0.000	0.000	Pass
4	39.810	0.067	0.000	0.000	Pass
5	39.610	-0.083	0.000	0.000	Pass
6	39.344	-0.083	0.000	0.000	Pass
7	38.460	0.083	0.000	0.000	Pass
8	38.327	0.017	0.000	0.000	Pass
9	39.110	0.000	0.000	0.000	Pass
10	38.194	0.017	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 13:24:08  
 Results file name: 96QN2408.VER  
 Inspection number:  
 Item id: BB7 201906  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.456 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.692  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 35.299 +- 0.264  
 Doubles: -0.015 +- 0.013  
 Triples: 0.000 +- 0.000  
 Scaler 1: 887.498 +- 1.112  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2123	6	5	53446	0	Pass
2	2171	4	5	53146	0	Pass
3	2167	5	5	53357	0	Pass
4	2152	7	3	53155	0	Pass
5	2084	6	5	53499	0	Pass
6	2188	4	7	53523	0	Pass
7	2049	3	6	52966	0	Pass
8	2209	4	6	52988	0	Pass
9	2125	3	8	53475	0	Pass
10	2185	10	11	53359	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	34.927	0.017	0.000	0.000	Pass
2	35.727	-0.017	0.000	0.000	Pass
3	35.660	0.000	0.000	0.000	Pass
4	35.410	0.067	0.000	0.000	Pass
5	34.277	0.017	0.000	0.000	Pass
6	36.010	-0.050	0.000	0.000	Pass
7	33.694	-0.050	0.000	0.000	Pass
8	36.360	-0.033	0.000	0.000	Pass
9	34.960	-0.083	0.000	0.000	Pass
10	35.960	-0.017	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 13:40:12  
 Results file name: 96QN4012.VER  
 Inspection number:  
 Item id: BB8 201906  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.456 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.692  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 50.259 +- 0.285  
 Doubles: -0.007 +- 0.025  
 Triples: 0.000 +- 0.000  
 Scaler 1: 261.061 +- 0.662  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	3011	9	13	15509	0	Pass
2	3127	10	5	15688	0	Pass
3	3056	14	12	15791	0	Pass
4	3026	12	11	15715	0	Pass
5	3076	9	9	15777	0	Pass
6	3089	12	19	15520	0	Pass
7	3096	12	7	15789	0	Pass
8	2971	5	11	15600	0	Pass
9	2971	13	8	15775	0	Pass
10	3006	11	16	15888	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	49.727	-0.067	0.000	0.000	Pass
2	51.660	0.083	0.000	0.000	Pass
3	50.477	0.033	0.000	0.000	Pass
4	49.977	0.017	0.000	0.000	Pass
5	50.810	0.000	0.000	0.000	Pass
6	51.027	-0.117	0.000	0.000	Pass
7	51.144	0.083	0.000	0.000	Pass
8	49.060	-0.100	0.000	0.000	Pass
9	49.060	0.083	0.000	0.000	Pass
10	49.644	-0.083	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 13:55:16  
 Results file name: 96GN5516.VER  
 Inspection number:  
 Item id: BB9 201906  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.456 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.692  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 168.892 +- 0.431  
 Doubles: 0.125 +- 0.050  
 Triples: 0.000 +- 0.000  
 Scaler 1: 106.375 +- 0.626  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	10174	116	99	6509	0	Pass
2	10289	113	112	6529	0	Pass
3	10211	120	100	6378	0	Pass
4	10081	127	122	6482	0	Pass
5	10065	108	108	6410	0	Pass
6	10250	113	116	6213	0	Pass
7	10207	137	113	6358	0	Pass
8	10183	120	111	6639	0	Pass
9	10069	106	106	6351	0	Pass
10	10080	112	110	6371	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	169.110	0.283	0.000	0.000	Pass
2	171.027	0.017	0.000	0.000	Pass
3	169.727	0.333	0.000	0.000	Pass
4	167.560	0.083	0.000	0.000	Pass
5	167.294	0.000	0.000	0.000	Pass
6	170.377	-0.050	0.000	0.000	Pass
7	169.660	0.400	0.000	0.000	Pass
8	169.260	0.150	0.000	0.000	Pass
9	167.360	0.000	0.000	0.000	Pass
10	167.544	0.033	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 14:12:21  
 Results file name: 96Q01221.VER  
 Inspection number:  
 Item id: BB10 201906  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.456 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.692  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 102.067 +- 0.468  
 Doubles: -0.047 +- 0.025  
 Triples: 0.000 +- 0.000  
 Scaler 1: 85.741 +- 0.460  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	6083	31	41	5209	0	Pass
2	6002	41	39	5263	0	Pass
3	6283	46	46	5117	0	Pass
4	6274	39	47	5137	0	Pass
5	6109	44	46	5139	0	Pass
6	6121	40	46	5386	0	Pass
7	6102	36	43	5164	0	Pass
8	6149	39	34	5084	0	Pass
9	6160	42	42	5150	0	Pass
10	6231	40	42	5211	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	100.927	-0.167	0.000	0.000	Pass
2	99.577	0.033	0.000	0.000	Pass
3	104.260	0.000	0.000	0.000	Pass
4	104.110	-0.133	0.000	0.000	Pass
5	101.360	-0.033	0.000	0.000	Pass
6	101.560	-0.100	0.000	0.000	Pass
7	101.244	-0.117	0.000	0.000	Pass
8	102.027	0.083	0.000	0.000	Pass
9	102.210	0.000	0.000	0.000	Pass
10	103.394	-0.033	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 09:42:09  
 Results file name: 96QJ4209.VER  
 Inspection number:  
 Item id: BC1 201906  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 4.758 +- 0.000  
 Passive doubles bkgrnd: 0.004 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.504  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1495.614 +- 1.150  
 Doubles: 8.191 +- 0.572  
 Triples: 0.000 +- 0.000  
 Scaler 1: 2887.503 +- 3.433  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	90200	9212	8943	173499	0	Pass
2	89800	9121	8570	173401	0	Pass
3	90014	9100	8617	174096	0	Pass
4	89686	9112	8615	173461	0	Pass
5	90121	9294	8702	174066	0	Pass
6	89733	8951	8459	173209	0	Pass
7	89870	9067	8454	172755	0	Pass
8	90338	9124	8648	172053	0	Pass
9	90092	9167	8582	173684	0	Pass
10	90153	9156	8802	172580	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1498.938	4.484	0.000	0.000	Pass
2	1492.268	9.188	0.000	0.000	Pass
3	1495.836	8.054	0.000	0.000	Pass
4	1490.367	8.287	0.000	0.000	Pass
5	1497.620	9.872	0.000	0.000	Pass
6	1491.151	8.204	0.000	0.000	Pass
7	1493.435	10.223	0.000	0.000	Pass
8	1501.239	7.937	0.000	0.000	Pass
9	1497.137	9.755	0.000	0.000	Pass
10	1498.154	5.902	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 10:00:14  
 Results file name: 96QK0014.VER  
 Inspection number:  
 Item id: BC2 201906  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 4.758 +- 0.000  
 Passive doubles bkgrnd: 0.004 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.504  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 3986.764 +- 2.428  
 Doubles: 60.907 +- 2.074  
 Triples: 0.000 +- 0.000  
 Scaler 1: 711.319 +- 0.888  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	239111	64611	61158	42924	0	Pass
2	238882	64629	60719	42768	0	Pass
3	239807	65450	61527	42825	0	Pass
4	239815	64572	61606	42480	0	Pass
5	238917	64687	60399	42854	0	Pass
6	239867	65075	61662	42465	0	Pass
7	239584	65047	61264	42587	0	Pass
8	239713	65312	61349	42860	0	Pass
9	238688	64125	60679	42760	0	Pass
10	238996	64687	61379	42571	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3982.976	57.694	0.000	0.000	Pass
2	3979.154	65.330	0.000	0.000	Pass
3	3994.591	65.547	0.000	0.000	Pass
4	3994.724	49.556	0.000	0.000	Pass
5	3979.738	71.646	0.000	0.000	Pass
6	3995.592	57.026	0.000	0.000	Pass
7	3990.869	63.208	0.000	0.000	Pass
8	3993.022	66.216	0.000	0.000	Pass
9	3975.917	57.576	0.000	0.000	Pass
10	3981.057	55.271	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: JSR\_01  
Detector id: JSR\_01  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.06.26 10:16:18  
Results file name: 96GK1618.VER  
Inspection number:  
Item id: BC3 201906  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.06.26  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.06.26

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1970  
Multiplicity deadtime: 160.0000  
Coefficient A deadtime: 0.6419  
Coefficient B deadtime: 0.1030  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 4.758 +- 0.000  
Passive doubles bkgrnd: 0.004 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.504  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 55527.555 +- 13.542  
Doubles: 11909.386 +- 46.674  
Triples: 0.000 +- 0.000  
Scaler 1: 177.241 +- 0.510  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	3300014	12299714	11619833	10714	0	Pass
2	3307246	12354556	11666855	10649	0	Pass
3	3302811	12324947	11637643	10603	0	Pass
4	3299839	12304408	11620270	10645	0	Pass
5	3302225	12325523	11631257	10826	0	Pass
6	3299812	12311470	11622581	10635	0	Pass
7	3303740	12348601	11644060	10711	0	Pass
8	3300065	12307997	11616827	10556	0	Pass
9	3305065	12354750	11654278	10789	0	Pass
10	3302997	12318618	11641546	10519	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	55487.387	11742.199	0.000	0.000	Pass
2	55610.093	11878.193	0.000	0.000	Pass
3	55534.843	11870.763	0.000	0.000	Pass
4	55484.418	11815.699	0.000	0.000	Pass
5	55524.901	11990.931	0.000	0.000	Pass
6	55483.960	11897.750	0.000	0.000	Pass
7	55550.606	12168.595	0.000	0.000	Pass
8	55488.252	11937.178	0.000	0.000	Pass
9	55573.087	12098.491	0.000	0.000	Pass
10	55537.999	11694.065	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: JSR\_01  
Detector id: JSR\_01  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.06.26 10:32:22  
Results file name: 96GK3222.VER  
Inspection number:  
Item id: BC4 201906  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.06.26  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.06.26

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1970  
Multiplicity deadtime: 160.0000  
Coefficient A deadtime: 0.6419  
Coefficient B deadtime: 0.1030  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 4.758 +- 0.000  
Passive doubles bkgrnd: 0.004 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.504  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 7134.777 +- 3.903  
Doubles: 195.502 +- 1.767  
Triples: 0.000 +- 0.000  
Scaler 1: 60.288 +- 0.398  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	427852	207114	195394	3588	0	Pass
2	427405	207006	194885	3568	0	Pass
3	427887	206512	194970	3715	0	Pass
4	428085	207154	195729	3647	0	Pass
5	427812	206994	194831	3759	0	Pass
6	429446	208468	196592	3739	0	Pass
7	428016	206898	195718	3660	0	Pass
8	426429	205354	194040	3567	0	Pass
9	428109	207139	195246	3677	0	Pass
10	427775	206574	195041	3555	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7134.282	196.227	0.000	0.000	Pass
2	7126.815	202.940	0.000	0.000	Pass
3	7134.867	193.246	0.000	0.000	Pass
4	7138.175	191.288	0.000	0.000	Pass
5	7133.614	203.644	0.000	0.000	Pass
6	7160.910	198.842	0.000	0.000	Pass
7	7137.022	187.186	0.000	0.000	Pass
8	7110.511	189.426	0.000	0.000	Pass
9	7138.575	199.124	0.000	0.000	Pass
10	7132.996	193.095	0.000	0.000	Pass

(2)



INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: JSR\_01  
Detector id: JSR\_01  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.06.26 10:48:26  
Results file name: 96QK4826.VER  
Inspection number:  
Item id: BCS 201906  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.06.26  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.06.26

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1970  
Multiplicity deadtime: 160.0000  
Coefficient A deadtime: 0.6419  
Coefficient B deadtime: 0.1030  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
Passive singles bkgrnd: 4.758 +- 0.000  
Passive doubles bkgrnd: 0.004 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.504  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 2960.659 +- 1.387  
Doubles: 34.066 +- 1.059  
Triples: 0.000 +- 0.000  
Scaler 1: 52.371 +- 0.323  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	178034	35887	33819	3257	0	Pass
2	178188	35951	33719	3180	0	Pass
3	177813	35562	33490	3041	0	Pass
4	178166	36010	33971	3202	0	Pass
5	177590	35591	33662	3237	0	Pass
6	177601	35616	33432	3182	0	Pass
7	177524	35745	33528	3117	0	Pass
8	177925	35869	33642	3158	0	Pass
9	177534	35587	33780	3196	0	Pass
10	178029	35653	34025	3155	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2963.889	34.528	0.000	0.000	Pass
2	2966.458	37.267	0.000	0.000	Pass
3	2960.202	34.595	0.000	0.000	Pass
4	2966.091	34.044	0.000	0.000	Pass
5	2956.482	32.207	0.000	0.000	Pass
6	2956.665	36.465	0.000	0.000	Pass
7	2955.381	37.016	0.000	0.000	Pass
8	2962.070	37.183	0.000	0.000	Pass
9	2955.548	30.170	0.000	0.000	Pass
10	2963.805	27.181	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: JSR\_01  
Detector id: JSR\_01  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.06.26 11:12:33  
Results file name: 96QL1233.VER  
Inspection number:  
Item id: BCG 201906  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.06.26  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.06.26

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1970  
Multiplicity deadtime: 160.0000  
Coefficient A deadtime: 0.6419  
Coefficient B deadtime: 0.1030  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
Passive singles bkgrnd: 4.758 +- 0.000  
Passive doubles bkgrnd: 0.004 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.504  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 938.626 +- 1.401  
Doubles: 3.061 +- 0.341  
Triples: 0.000 +- 0.000  
Scaler 1: 74.609 +- 0.369  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	56947	3624	3538	4567	0	Pass
2	56705	3623	3372	4539	0	Pass
3	56654	3617	3470	4572	0	Pass
4	56897	3710	3501	4472	0	Pass
5	56426	3552	3323	4423	0	Pass
6	56594	3545	3460	4619	0	Pass
7	56378	3610	3411	4492	0	Pass
8	56814	3676	3398	4516	0	Pass
9	56443	3563	3401	4476	0	Pass
10	56087	3553	3361	4392	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	944.503	1.430	0.000	0.000	Pass
2	940.468	4.182	0.000	0.000	Pass
3	939.618	2.448	0.000	0.000	Pass
4	943.669	3.482	0.000	0.000	Pass
5	935.817	3.815	0.000	0.000	Pass
6	938.618	1.414	0.000	0.000	Pass
7	935.017	3.315	0.000	0.000	Pass
8	942.285	4.632	0.000	0.000	Pass
9	936.100	2.698	0.000	0.000	Pass
10	930.165	3.198	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 13:23:06  
 Results file name: 96QN2306.VER  
 Inspection number:  
 Item id: BC7 201906  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 4.758 +- 0.000  
 Passive doubles bkgrnd: 0.004 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.504  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1149.535 +- 1.783  
 Doubles: 5.754 +- 0.634  
 Triples: 0.000 +- 0.000  
 Scaler 1: 122.023 +- 0.468  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	69341	5479	5108	7456	0	Pass
2	68735	5299	4913	7233	0	Pass
3	68975	5388	4997	7368	0	Pass
4	68883	5295	5078	7381	0	Pass
5	69520	5469	5146	7258	0	Pass
6	69697	5537	5184	7471	0	Pass
7	68904	5355	5109	7329	0	Pass
8	69553	5577	5027	7293	0	Pass
9	69378	5398	5255	7457	0	Pass
10	69462	5574	5102	7270	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1151.139	6.184	0.000	0.000	Pass
2	1141.036	6.434	0.000	0.000	Pass
3	1145.037	6.518	0.000	0.000	Pass
4	1143.503	3.615	0.000	0.000	Pass
5	1154.124	5.383	0.000	0.000	Pass
6	1157.075	5.884	0.000	0.000	Pass
7	1143.853	4.099	0.000	0.000	Pass
8	1154.674	9.170	0.000	0.000	Pass
9	1151.756	2.381	0.000	0.000	Pass
10	1153.157	7.869	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 13:40:10  
 Results file name: 96QN4010.VER  
 Inspection number:  
 Item id: BC8 201906  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 4.758 +- 0.000  
 Passive doubles bkgrnd: 0.004 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.504  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 663.345 +- 0.702  
 Doubles: 1.228 +- 0.335  
 Triples: 0.000 +- 0.000  
 Scaler 1: 48.539 +- 0.336  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	40089	1784	1662	2874	0	Pass
2	39768	1686	1683	2859	0	Pass
3	40035	1849	1763	2953	0	Pass
4	40092	1783	1728	2960	0	Pass
5	40225	1916	1686	2905	0	Pass
6	40090	1846	1787	3011	0	Pass
7	40270	1781	1730	3074	0	Pass
8	40105	1771	1731	2918	0	Pass
9	40106	1810	1783	2921	0	Pass
10	40039	1825	1759	2951	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	663.463	2.030	0.000	0.000	Pass
2	658.112	0.046	0.000	0.000	Pass
3	662.563	1.430	0.000	0.000	Pass
4	663.513	0.913	0.000	0.000	Pass
5	665.730	3.831	0.000	0.000	Pass
6	663.480	0.980	0.000	0.000	Pass
7	666.481	0.846	0.000	0.000	Pass
8	663.730	0.663	0.000	0.000	Pass
9	663.747	0.446	0.000	0.000	Pass
10	662.630	1.097	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: JSR\_01  
Detector id: JSR\_01  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.06.26 13:55:15  
Results file name: 96GN5515.VER  
Inspection number:  
Item id: BC9 201906  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.06.26  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.06.26

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1970  
Multiplicity deadtime: 160.0000  
Coefficient A deadtime: 0.6419  
Coefficient B deadtime: 0.1030  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 4.758 +- 0.000  
Passive doubles bkgrnd: 0.004 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.504  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	1277.841 +-	0.510
Doubles:	6.104 +-	0.590
Triples:	0.000 +-	0.000
Scaler 1:	33.046 +-	0.228
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	76862	6780	6268	2017	0	Pass
2	76934	6605	6350	2038	0	Pass
3	76960	6733	6202	1984	0	Pass
4	77002	6784	6472	1960	0	Pass
5	76997	6714	6266	2044	0	Pass
6	76933	6637	6289	2029	0	Pass
7	77048	6690	6257	2081	0	Pass
8	77029	6567	6375	1969	0	Pass
9	76921	6576	6230	2052	0	Pass
10	76715	6534	6249	1956	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1276.538	8.536	0.000	0.000	Pass
2	1277.739	4.250	0.000	0.000	Pass
3	1278.172	8.853	0.000	0.000	Pass
4	1278.873	5.200	0.000	0.000	Pass
5	1278.789	7.469	0.000	0.000	Pass
6	1277.722	5.801	0.000	0.000	Pass
7	1279.640	7.219	0.000	0.000	Pass
8	1279.323	3.199	0.000	0.000	Pass
9	1277.522	5.767	0.000	0.000	Pass
10	1274.087	4.750	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: JSR\_01  
Detector id: JSR\_01  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.06.26 14:12:19  
Results file name: 96Q01219.VER  
Inspection number:  
Item id: BC10 201906  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.06.26  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.06.26

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1970  
Multiplicity deadtime: 160.0000  
Coefficient A deadtime: 0.6419  
Coefficient B deadtime: 0.1030  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 4.758 +- 0.000  
Passive doubles bkgrnd: 0.004 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.504  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	1253.132 +-	1.892
Doubles:	5.983 +-	0.507
Triples:	0.000 +-	0.000
Scaler 1:	36.953 +-	0.256
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	75989	6557	6113	2202	0	Pass
2	75374	6404	6040	2246	0	Pass
3	75566	6491	6170	2257	0	Pass
4	75674	6414	6130	2351	0	Pass
5	74704	6419	5861	2242	0	Pass
6	75310	6365	6107	2242	0	Pass
7	75231	6301	6017	2198	0	Pass
8	75782	6638	6218	2290	0	Pass
9	75654	6387	6121	2185	0	Pass
10	75298	6503	6113	2261	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1261.982	7.402	0.000	0.000	Pass
2	1251.728	6.068	0.000	0.000	Pass
3	1254.930	5.350	0.000	0.000	Pass
4	1256.730	4.733	0.000	0.000	Pass
5	1240.557	9.303	0.000	0.000	Pass
6	1250.661	4.300	0.000	0.000	Pass
7	1249.344	4.733	0.000	0.000	Pass
8	1258.531	7.002	0.000	0.000	Pass
9	1256.397	4.433	0.000	0.000	Pass
10	1250.461	6.501	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 09:42:09  
 Results file name: 96QJ4209.VER  
 Inspection number:  
 Item id: BT1 201906  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 4.758 +- 0.000  
 Passive doubles bkgrnd: 0.004 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.504  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1495.253 +- 1.149  
 Doubles: 8.183 +- 0.572  
 Triples: 0.000 +- 0.000  
 Scaler 1: 2887.503 +- 3.433  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	90200	9212	8943	173499	0	Pass
2	89800	9121	8570	173401	0	Pass
3	90014	9100	8617	174096	0	Pass
4	89686	9112	8615	173461	0	Pass
5	90121	9294	8702	174066	0	Pass
6	89733	8951	8459	173209	0	Pass
7	89870	9067	8454	172755	0	Pass
8	90338	9124	8648	172053	0	Pass
9	90092	9167	8582	173684	0	Pass
10	90153	9156	8802	172580	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1498.575	4.479	0.000	0.000	Pass
2	1491.908	9.179	0.000	0.000	Pass
3	1495.475	8.046	0.000	0.000	Pass
4	1490.008	8.279	0.000	0.000	Pass
5	1497.258	9.863	0.000	0.000	Pass
6	1490.792	8.196	0.000	0.000	Pass
7	1493.075	10.213	0.000	0.000	Pass
8	1500.875	7.929	0.000	0.000	Pass
9	1496.775	9.746	0.000	0.000	Pass
10	1497.792	5.896	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 10:00:14  
 Results file name: 96QK0014.VER  
 Inspection number:  
 Item id: BT2 201906  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 4.758 +- 0.000  
 Passive doubles bkgrnd: 0.004 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.504  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 3984.208 +- 2.425  
 Doubles: 60.751 +- 2.068  
 Triples: 0.000 +- 0.000  
 Scaler 1: 711.319 +- 0.888  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	239111	64611	61158	42924	0	Pass
2	238882	64629	60719	42768	0	Pass
3	239807	65450	61527	42825	0	Pass
4	239815	64572	61606	42480	0	Pass
5	238917	64687	60399	42854	0	Pass
6	239867	65075	61662	42465	0	Pass
7	239584	65047	61264	42587	0	Pass
8	239713	65312	61349	42860	0	Pass
9	238688	64125	60679	42760	0	Pass
10	238996	64687	61379	42571	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3980.425	57.546	0.000	0.000	Pass
2	3976.608	65.163	0.000	0.000	Pass
3	3992.025	65.379	0.000	0.000	Pass
4	3992.158	49.429	0.000	0.000	Pass
5	3977.192	71.463	0.000	0.000	Pass
6	3993.025	56.879	0.000	0.000	Pass
7	3988.308	63.046	0.000	0.000	Pass
8	3990.458	66.046	0.000	0.000	Pass
9	3973.375	57.429	0.000	0.000	Pass
10	3978.508	55.129	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 10:16:18  
 Results file name: 96QK1618.VER  
 Inspection number:  
 Item id: BT3 201906  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26

Pre-delay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 4.758 +- 0.000  
 Passive doubles bkgrnd: 0.004 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.504  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 55034.932 +- 13.303  
 Doubles: 11492.386 +- 45.006  
 Triples: 0.000 +- 0.000  
 Scaler 1: 177.241 +- 0.510  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	3300014	12299714	11619833	10714	0	Pass
2	3307246	12354556	11666855	10649	0	Pass
3	3302811	12324947	11637643	10603	0	Pass
4	3299839	12304408	11620270	10645	0	Pass
5	3302225	12325523	11631257	10826	0	Pass
6	3299812	12311470	11622581	10635	0	Pass
7	3303740	12348601	11644060	10711	0	Pass
8	3300065	12307997	11616827	10556	0	Pass
9	3305065	12354750	11654278	10789	0	Pass
10	3302997	12318618	11641546	10519	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	54995.475	11331.346	0.000	0.000	Pass
2	55116.008	11461.679	0.000	0.000	Pass
3	55042.092	11455.063	0.000	0.000	Pass
4	54992.558	11402.296	0.000	0.000	Pass
5	55032.325	11571.096	0.000	0.000	Pass
6	54992.108	11481.479	0.000	0.000	Pass
7	55057.575	11742.346	0.000	0.000	Pass
8	54996.325	11519.496	0.000	0.000	Pass
9	55079.658	11674.529	0.000	0.000	Pass
10	55045.192	11284.529	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 10:32:22  
 Results file name: 96QK3222.VER  
 Inspection number:  
 Item id: BT4 201906  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26

Pre-delay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 4.758 +- 0.000  
 Passive doubles bkgrnd: 0.004 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.504  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 7126.602 +- 3.894  
 Doubles: 194.608 +- 1.759  
 Triples: 0.000 +- 0.000  
 Scaler 1: 60.288 +- 0.398  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	427852	207114	195394	3588	0	Pass
2	427405	207006	194885	3568	0	Pass
3	427887	206512	194970	3715	0	Pass
4	428085	207154	195729	3647	0	Pass
5	427812	206994	194831	3759	0	Pass
6	429446	208468	196592	3739	0	Pass
7	428016	206898	195718	3660	0	Pass
8	426429	205354	194040	3567	0	Pass
9	428109	207139	195246	3677	0	Pass
10	427775	206574	195041	3555	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7126.108	195.329	0.000	0.000	Pass
2	7118.658	202.013	0.000	0.000	Pass
3	7126.692	192.363	0.000	0.000	Pass
4	7129.992	190.413	0.000	0.000	Pass
5	7125.442	202.713	0.000	0.000	Pass
6	7152.675	197.929	0.000	0.000	Pass
7	7128.842	186.329	0.000	0.000	Pass
8	7102.392	188.563	0.000	0.000	Pass
9	7130.392	198.213	0.000	0.000	Pass
10	7124.825	192.213	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 10:48:26  
 Results file name: 96QK4826.VER  
 Inspection number:  
 Item id: BT5 201906  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26

Pre-delay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 4.758 +- 0.000  
 Passive doubles bkgrnd: 0.004 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.504  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 2959.248 +- 1.385  
 Doubles: 34.001 +- 1.057  
 Triples: 0.000 +- 0.000  
 Scaler 1: 52.371 +- 0.323  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	178034	35887	33819	3257	0	Pass
2	178188	35951	33719	3180	0	Pass
3	177813	35562	33490	3041	0	Pass
4	178166	36010	33971	3202	0	Pass
5	177590	35591	33662	3237	0	Pass
6	177601	35616	33432	3182	0	Pass
7	177524	35745	33528	3117	0	Pass
8	177925	35869	33642	3158	0	Pass
9	177534	35587	33780	3196	0	Pass
10	178029	35653	34025	3155	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2962.475	34.463	0.000	0.000	Pass
2	2965.042	37.196	0.000	0.000	Pass
3	2958.792	34.529	0.000	0.000	Pass
4	2964.675	33.979	0.000	0.000	Pass
5	2955.075	32.146	0.000	0.000	Pass
6	2955.258	36.396	0.000	0.000	Pass
7	2953.975	36.946	0.000	0.000	Pass
8	2960.658	37.113	0.000	0.000	Pass
9	2954.142	30.113	0.000	0.000	Pass
10	2962.392	27.129	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 11:12:33  
 Results file name: 96QL1233.VER  
 Inspection number:  
 Item id: BT6 201906  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26

Pre-delay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 4.758 +- 0.000  
 Passive doubles bkgrnd: 0.004 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.504  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 938.483 +- 1.400  
 Doubles: 3.059 +- 0.340  
 Triples: 0.000 +- 0.000  
 Scaler 1: 74.609 +- 0.369  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	56947	3624	3538	4567	0	Pass
2	56705	3623	3372	4539	0	Pass
3	56654	3617	3470	4572	0	Pass
4	56897	3710	3501	4472	0	Pass
5	56426	3552	3323	4423	0	Pass
6	56594	3545	3460	4619	0	Pass
7	56378	3610	3411	4492	0	Pass
8	56814	3676	3398	4516	0	Pass
9	56443	3563	3401	4476	0	Pass
10	56087	3553	3361	4392	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	944.358	1.429	0.000	0.000	Pass
2	940.325	4.179	0.000	0.000	Pass
3	939.475	2.446	0.000	0.000	Pass
4	943.525	3.479	0.000	0.000	Pass
5	935.675	3.813	0.000	0.000	Pass
6	938.475	1.413	0.000	0.000	Pass
7	934.875	3.313	0.000	0.000	Pass
8	942.142	4.629	0.000	0.000	Pass
9	935.958	2.696	0.000	0.000	Pass
10	930.025	3.196	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 13:23:06  
 Results file name: 96QN2306.VER  
 Inspection number:  
 Item id: BT7 201906  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 4.758 +- 0.000  
 Passive doubles bkgrnd: 0.004 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.504  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1149.322 +- 1.782  
 Doubles: 5.749 +- 0.634  
 Triples: 0.000 +- 0.000  
 Scaler 1: 122.023 +- 0.468  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	69341	5479	5108	7456	0	Pass
2	68735	5299	4913	7233	0	Pass
3	68975	5388	4997	7368	0	Pass
4	68883	5295	5078	7381	0	Pass
5	69520	5469	5146	7258	0	Pass
6	69697	5537	5184	7471	0	Pass
7	68904	5355	5109	7329	0	Pass
8	69553	5577	5027	7293	0	Pass
9	69378	5398	5255	7457	0	Pass
10	69462	5574	5102	7270	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1150.925	6.179	0.000	0.000	Pass
2	1140.825	6.429	0.000	0.000	Pass
3	1144.825	6.513	0.000	0.000	Pass
4	1143.292	3.613	0.000	0.000	Pass
5	1153.908	5.379	0.000	0.000	Pass
6	1156.858	5.879	0.000	0.000	Pass
7	1143.642	4.096	0.000	0.000	Pass
8	1154.458	9.163	0.000	0.000	Pass
9	1151.542	2.379	0.000	0.000	Pass
10	1152.942	7.863	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 13:40:10  
 Results file name: 96QN4010.VER  
 Inspection number:  
 Item id: BT8 201906  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 4.758 +- 0.000  
 Passive doubles bkgrnd: 0.004 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.504  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 663.273 +- 0.702  
 Doubles: 1.228 +- 0.335  
 Triples: 0.000 +- 0.000  
 Scaler 1: 48.539 +- 0.336  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	40089	1784	1662	2874	0	Pass
2	39768	1686	1683	2859	0	Pass
3	40035	1849	1763	2953	0	Pass
4	40092	1783	1728	2960	0	Pass
5	40225	1916	1686	2905	0	Pass
6	40090	1846	1787	3011	0	Pass
7	40270	1781	1730	3074	0	Pass
8	40105	1771	1731	2918	0	Pass
9	40106	1810	1783	2921	0	Pass
10	40039	1825	1759	2951	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	663.392	2.029	0.000	0.000	Pass
2	658.042	0.046	0.000	0.000	Pass
3	662.492	1.429	0.000	0.000	Pass
4	663.442	0.913	0.000	0.000	Pass
5	665.658	3.829	0.000	0.000	Pass
6	663.408	0.979	0.000	0.000	Pass
7	666.408	0.846	0.000	0.000	Pass
8	663.658	0.663	0.000	0.000	Pass
9	663.675	0.446	0.000	0.000	Pass
10	662.558	1.096	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: JSR\_01  
Detector id: JSR\_01  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.06.26 13:55:15  
Results file name: 96GN5515.VER  
Inspection number:  
Item id: BT9 201906  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: 00  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.06.26  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.06.26

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.0080  
Multiplicity deadtime: 0.0000  
Coefficient A deadtime: 0.0000  
Coefficient B deadtime: 0.0000  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
Passive singles bkgrnd: 4.758 +- 0.000  
Passive doubles bkgrnd: 0.004 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.504  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1277.577 +- 0.510  
Doubles: 6.099 +- 0.589  
Triples: 0.000 +- 0.000  
Scaler 1: 33.046 +- 0.228  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	76862	6780	6268	2017	0	Pass
2	76934	6605	6350	2038	0	Pass
3	76960	6733	6202	1984	0	Pass
4	77002	6784	6472	1960	0	Pass
5	76997	6714	6266	2044	0	Pass
6	76933	6637	6289	2029	0	Pass
7	77048	6690	6257	2081	0	Pass
8	77029	6567	6375	1969	0	Pass
9	76921	6576	6230	2052	0	Pass
10	76715	6534	6249	1956	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1276.275	8.529	0.000	0.000	Pass
2	1277.475	4.246	0.000	0.000	Pass
3	1277.908	8.846	0.000	0.000	Pass
4	1278.608	5.196	0.000	0.000	Pass
5	1278.525	7.463	0.000	0.000	Pass
6	1277.458	5.796	0.000	0.000	Pass
7	1279.375	7.213	0.000	0.000	Pass
8	1279.058	3.196	0.000	0.000	Pass
9	1277.258	5.763	0.000	0.000	Pass
10	1273.825	4.746	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: JSR\_01  
Detector id: JSR\_01  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.06.26 14:12:19  
Results file name: 96Q01219.VER  
Inspection number:  
Item id: BT10 201906  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: 00  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.06.26  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.06.26

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.0080  
Multiplicity deadtime: 0.0000  
Coefficient A deadtime: 0.0000  
Coefficient B deadtime: 0.0000  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
Passive singles bkgrnd: 4.758 +- 0.000  
Passive doubles bkgrnd: 0.004 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.504  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1252.878 +- 1.891  
Doubles: 5.978 +- 0.506  
Triples: 0.000 +- 0.000  
Scaler 1: 36.953 +- 0.256  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	75989	6557	6113	2202	0	Pass
2	75374	6404	6040	2246	0	Pass
3	75566	6491	6170	2257	0	Pass
4	75674	6414	6130	2351	0	Pass
5	74704	6419	5861	2242	0	Pass
6	75310	6365	6107	2242	0	Pass
7	75231	6301	6017	2198	0	Pass
8	75782	6638	6218	2290	0	Pass
9	75654	6387	6121	2185	0	Pass
10	75298	6503	6113	2261	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1261.725	7.396	0.000	0.000	Pass
2	1251.475	6.063	0.000	0.000	Pass
3	1254.675	5.346	0.000	0.000	Pass
4	1256.475	4.729	0.000	0.000	Pass
5	1240.308	9.296	0.000	0.000	Pass
6	1250.408	4.296	0.000	0.000	Pass
7	1249.092	4.729	0.000	0.000	Pass
8	1258.275	6.996	0.000	0.000	Pass
9	1256.142	4.429	0.000	0.000	Pass
10	1250.208	6.496	0.000	0.000	Pass

(2)



INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 09:42:08  
 Results file name: 96QJ4208.VER  
 Inspection number:  
 Item id: PB1 201906  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 5.241 +- 0.000  
 Passive doubles bkgrnd: 0.003 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.567  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1196.718 +- 1.417  
 Doubles: 4.998 +- 0.589  
 Triples: 0.000 +- 0.000  
 Scaler 1: 58.192 +- 0.326  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	72003	5824	5523	3540	0	Pass
2	71877	5832	5378	3437	0	Pass
3	72324	5855	5696	3597	0	Pass
4	72536	5972	5665	3594	0	Pass
5	72207	6049	5669	3497	0	Pass
6	72504	5802	5733	3513	0	Pass
7	71973	5875	5547	3502	0	Pass
8	71715	5724	5340	3520	0	Pass
9	72051	5864	5532	3441	0	Pass
10	71985	5790	5503	3614	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1194.809	5.013	0.000	0.000	Pass
2	1192.709	7.563	0.000	0.000	Pass
3	1200.159	2.647	0.000	0.000	Pass
4	1203.693	5.113	0.000	0.000	Pass
5	1198.209	6.330	0.000	0.000	Pass
6	1203.159	1.147	0.000	0.000	Pass
7	1194.309	5.463	0.000	0.000	Pass
8	1190.009	6.397	0.000	0.000	Pass
9	1195.609	5.530	0.000	0.000	Pass
10	1194.509	4.780	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 09:59:13  
 Results file name: 96QJ5913.VER  
 Inspection number:  
 Item id: PB2 201906  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 5.241 +- 0.000  
 Passive doubles bkgrnd: 0.003 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.567  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1475.089 +- 2.107  
 Doubles: 7.648 +- 0.827  
 Triples: 0.000 +- 0.000  
 Scaler 1: 49.967 +- 0.270  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	88454	8691	8261	3044	0	Pass
2	88799	8820	8436	3022	0	Pass
3	88257	8473	8339	3040	0	Pass
4	89350	9072	8669	2919	0	Pass
5	88981	9057	8434	3010	0	Pass
6	89339	8858	8532	3057	0	Pass
7	89181	8957	8422	3100	0	Pass
8	88355	8969	8366	3097	0	Pass
9	88903	8968	8391	3015	0	Pass
10	88579	8982	8386	3016	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1468.993	7.163	0.000	0.000	Pass
2	1474.743	6.397	0.000	0.000	Pass
3	1465.709	2.230	0.000	0.000	Pass
4	1483.926	6.380	0.000	0.000	Pass
5	1477.776	10.380	0.000	0.000	Pass
6	1483.743	5.430	0.000	0.000	Pass
7	1481.109	8.913	0.000	0.000	Pass
8	1467.343	10.047	0.000	0.000	Pass
9	1476.476	9.613	0.000	0.000	Pass
10	1471.076	9.930	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 10:15:18  
 Results file name: 96GK1518.VER  
 Inspection number:  
 Item id: PB3 201906  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 5.241 +- 0.000  
 Passive doubles bkgrnd: 0.003 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.567  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	787.438 +-	1.541
Doubles:	1.807 +-	0.234
Triples:	0.000 +-	0.000
Scaler 1:	63.592 +-	0.248
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	47598	2611	2447	3773	0	Pass
2	47061	2531	2458	3814	0	Pass
3	47395	2550	2434	3916	0	Pass
4	47901	2558	2405	3874	0	Pass
5	47479	2527	2425	3839	0	Pass
6	47453	2547	2493	3919	0	Pass
7	47331	2518	2485	3856	0	Pass
8	47848	2528	2425	3805	0	Pass
9	47512	2595	2458	3870	0	Pass
10	48029	2568	2417	3829	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	788.059	2.730	0.000	0.000	Pass
2	779.109	1.213	0.000	0.000	Pass
3	784.676	1.930	0.000	0.000	Pass
4	793.109	2.547	0.000	0.000	Pass
5	786.076	1.697	0.000	0.000	Pass
6	785.643	0.897	0.000	0.000	Pass
7	783.609	0.547	0.000	0.000	Pass
8	792.226	1.713	0.000	0.000	Pass
9	786.626	2.280	0.000	0.000	Pass
10	795.243	2.513	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 10:31:22  
 Results file name: 96GK3122.VER  
 Inspection number:  
 Item id: PB4 201906  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 5.241 +- 0.000  
 Passive doubles bkgrnd: 0.003 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.567  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	1674.838 +-	1.437
Doubles:	9.582 +-	0.580
Triples:	0.000 +-	0.000
Scaler 1:	275.682 +-	0.469
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	100519	11417	10740	16545	0	Pass
2	100929	11592	10881	16684	0	Pass
3	100638	11250	10827	16702	0	Pass
4	101065	11456	11015	16475	0	Pass
5	101087	11557	11002	16557	0	Pass
6	101111	11723	11036	16534	0	Pass
7	101073	11542	10879	16436	0	Pass
8	100607	11327	10726	16569	0	Pass
9	100417	11285	10841	16680	0	Pass
10	100601	11445	10896	16567	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1670.076	11.280	0.000	0.000	Pass
2	1676.909	11.847	0.000	0.000	Pass
3	1672.059	7.047	0.000	0.000	Pass
4	1679.176	7.347	0.000	0.000	Pass
5	1679.543	9.247	0.000	0.000	Pass
6	1679.943	11.447	0.000	0.000	Pass
7	1679.309	11.047	0.000	0.000	Pass
8	1671.543	10.013	0.000	0.000	Pass
9	1668.376	7.397	0.000	0.000	Pass
10	1671.443	9.147	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: JSR\_03  
Detector id: JSR\_03  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.06.26 10:47:26  
Results file name: 96QK4726.VER  
Inspection number:  
Item id: PBS 201906  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.06.26  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.06.26

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.0127  
Multiplicity deadtime: 0.0000  
Coefficient A deadtime: 0.0000  
Coefficient B deadtime: 0.0000  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 5.241 +- 0.000  
Passive doubles bkgrnd: 0.003 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.567  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1495.311 +- 1.378  
Doubles: 9.140 +- 0.736  
Triples: 0.000 +- 0.000  
Scaler 1: 149.782 +- 0.726  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	89754	9083	8505	9215	0	Pass
2	90065	9171	8771	9182	0	Pass
3	89972	9246	8567	8876	0	Pass
4	90284	9190	8713	8855	0	Pass
5	89735	8992	8294	8976	0	Pass
6	89698	9151	8511	8932	0	Pass
7	90118	9098	8436	8998	0	Pass
8	90086	9232	8588	9103	0	Pass
9	90539	9196	8873	9179	0	Pass
10	90080	9067	8682	8893	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1490.659	9.630	0.000	0.000	Pass
2	1495.843	6.663	0.000	0.000	Pass
3	1494.293	11.313	0.000	0.000	Pass
4	1499.493	7.947	0.000	0.000	Pass
5	1490.343	11.630	0.000	0.000	Pass
6	1489.726	10.663	0.000	0.000	Pass
7	1496.726	11.030	0.000	0.000	Pass
8	1496.193	10.730	0.000	0.000	Pass
9	1503.743	5.380	0.000	0.000	Pass
10	1496.093	6.413	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: JSR\_03  
Detector id: JSR\_03  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.06.26 11:12:33  
Results file name: 96QL1233.VER  
Inspection number:  
Item id: PB6 201906  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.06.26  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.06.26

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.0127  
Multiplicity deadtime: 0.0000  
Coefficient A deadtime: 0.0000  
Coefficient B deadtime: 0.0000  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 5.241 +- 0.000  
Passive doubles bkgrnd: 0.003 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.567  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 2019.133 +- 1.805  
Doubles: 13.718 +- 0.563  
Triples: 0.000 +- 0.000  
Scaler 1: 75.203 +- 0.397  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	121537	16726	15766	4568	0	Pass
2	122007	16567	15947	4614	0	Pass
3	121506	16566	15756	4497	0	Pass
4	121644	16699	15893	4569	0	Pass
5	121399	16578	15888	4523	0	Pass
6	121001	16470	15625	4519	0	Pass
7	121446	16624	15809	4548	0	Pass
8	120805	16321	15413	4428	0	Pass
9	121695	16677	15725	4492	0	Pass
10	121584	16415	15588	4704	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2020.376	15.997	0.000	0.000	Pass
2	2028.209	10.330	0.000	0.000	Pass
3	2019.859	13.497	0.000	0.000	Pass
4	2022.159	13.430	0.000	0.000	Pass
5	2018.076	11.497	0.000	0.000	Pass
6	2011.443	14.080	0.000	0.000	Pass
7	2018.859	13.580	0.000	0.000	Pass
8	2008.176	15.130	0.000	0.000	Pass
9	2023.009	15.863	0.000	0.000	Pass
10	2021.159	13.780	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 13:23:07  
 Results file name: 96GN2307.VER  
 Inspection number:  
 Item id: PB7 201906  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 5.241 +- 0.000  
 Passive doubles bkgrnd: 0.003 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.567  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 5194.809 +- 3.081  
 Doubles: 103.595 +- 2.629  
 Triples: 0.000 +- 0.000  
 Scaler 1: 116.797 +- 0.521  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	312549	109888	104311	6933	0	Pass
2	312114	110332	103970	7206	0	Pass
3	312494	110876	104579	6918	0	Pass
4	311305	109125	103517	7083	0	Pass
5	311635	110143	103604	6946	0	Pass
6	311686	109732	103646	6987	0	Pass
7	311442	109999	103771	7087	0	Pass
8	311644	109606	103682	7042	0	Pass
9	313168	110924	103600	7040	0	Pass
10	311993	110315	104101	7176	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	5203.909	92.947	0.000	0.000	Pass
2	5196.659	106.030	0.000	0.000	Pass
3	5202.993	104.947	0.000	0.000	Pass
4	5183.176	93.463	0.000	0.000	Pass
5	5188.676	108.980	0.000	0.000	Pass
6	5189.526	101.430	0.000	0.000	Pass
7	5185.459	103.797	0.000	0.000	Pass
8	5188.826	98.730	0.000	0.000	Pass
9	5214.226	122.063	0.000	0.000	Pass
10	5194.643	103.563	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 13:39:11  
 Results file name: 96GN3911.VER  
 Inspection number:  
 Item id: PBB 201906  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 5.241 +- 0.000  
 Passive doubles bkgrnd: 0.003 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.567  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 45099.764 +- 14.547  
 Doubles: 7666.075 +- 12.744  
 Triples: 0.000 +- 0.000  
 Scaler 1: 364.250 +- 0.574  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2705705	8265822	7809474	21883	0	Pass
2	2702560	8250858	7791627	21945	0	Pass
3	2709488	8286563	7829287	21761	0	Pass
4	2708736	8290332	7827385	21838	0	Pass
5	2710167	8295174	7835394	21852	0	Pass
6	2705667	8269138	7807714	22141	0	Pass
7	2703311	8262485	7798141	21811	0	Pass
8	2707971	8277857	7818029	21807	0	Pass
9	2702979	8249585	7790825	21881	0	Pass
10	2706419	8271787	7812078	21971	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	45089.843	7605.797	0.000	0.000	Pass
2	45037.426	7653.847	0.000	0.000	Pass
3	45152.893	7621.263	0.000	0.000	Pass
4	45140.359	7715.780	0.000	0.000	Pass
5	45164.209	7662.997	0.000	0.000	Pass
6	45089.209	7690.397	0.000	0.000	Pass
7	45049.943	7739.063	0.000	0.000	Pass
8	45127.609	7663.797	0.000	0.000	Pass
9	45044.409	7645.997	0.000	0.000	Pass
10	45101.743	7661.813	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 13:56:16  
 Results file name: 96GN5616.VER  
 Inspection number:  
 Item id: PB9 201906  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 5.241 +- 0.000  
 Passive doubles bkgrnd: 0.003 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.567  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 8626.494 +- 4.957  
 Doubles: 276.303 +- 4.924  
 Triples: 0.000 +- 0.000  
 Scaler 1: 1221.048 +- 1.430  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	517552	303330	285786	73532	0	Pass
2	519562	306041	288270	73555	0	Pass
3	515836	301053	284141	73419	0	Pass
4	518272	303334	286777	72919	0	Pass
5	517485	301514	285897	73013	0	Pass
6	518502	302860	288008	73264	0	Pass
7	518056	302569	285568	73308	0	Pass
8	517970	302790	286647	73167	0	Pass
9	517663	303074	285642	73032	0	Pass
10	518143	302541	286586	73760	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	8620.626	292.397	0.000	0.000	Pass
2	8654.126	296.180	0.000	0.000	Pass
3	8592.026	281.863	0.000	0.000	Pass
4	8632.626	275.947	0.000	0.000	Pass
5	8619.509	260.280	0.000	0.000	Pass
6	8636.459	247.530	0.000	0.000	Pass
7	8629.026	283.347	0.000	0.000	Pass
8	8627.593	269.047	0.000	0.000	Pass
9	8622.476	290.530	0.000	0.000	Pass
10	8630.476	265.913	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 14:12:20  
 Results file name: 96Q01220.VER  
 Inspection number:  
 Item id: PB10 201906  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 5.241 +- 0.000  
 Passive doubles bkgrnd: 0.003 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.567  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 3652.846 +- 2.552  
 Doubles: 50.098 +- 2.534  
 Triples: 0.000 +- 0.000  
 Scaler 1: 2779.753 +- 3.198  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	219228	54338	51091	166732	0	Pass
2	219113	53637	51444	167873	0	Pass
3	218802	54071	50841	167135	0	Pass
4	219728	54898	51127	166987	0	Pass
5	219236	53986	51696	166835	0	Pass
6	220378	54588	51848	165610	0	Pass
7	219745	54462	51380	166587	0	Pass
8	219761	54567	51580	166746	0	Pass
9	219000	54260	51060	167365	0	Pass
10	219861	54846	51525	166322	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3648.559	54.113	0.000	0.000	Pass
2	3646.643	36.547	0.000	0.000	Pass
3	3641.459	53.830	0.000	0.000	Pass
4	3656.893	62.847	0.000	0.000	Pass
5	3648.693	38.163	0.000	0.000	Pass
6	3667.726	45.663	0.000	0.000	Pass
7	3657.176	51.363	0.000	0.000	Pass
8	3657.443	49.780	0.000	0.000	Pass
9	3644.759	53.330	0.000	0.000	Pass
10	3659.109	55.347	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: JSR\_03  
Detector id: JSR\_03  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.06.26 09:42:08  
Results file name: 96QJ4208.VER  
Inspection number:  
Item id: PC1 201906  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.06.26  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.06.26

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1620  
Multiplicity deadtime: 86.5000  
Coefficient A deadtime: 0.3458  
Coefficient B deadtime: 0.0299  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 5.241 +- 0.000  
Passive doubles bkgrnd: 0.003 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.567  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages  
No known alpha calibration

Results

Singles:	1196.843 +- 1.418
Doubles:	5.000 +- 0.589
Triples:	0.000 +- 0.000
Scaler 1:	58.192 +- 0.326
Scaler 2:	0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	72003	5824	5523	3540	0	Pass
2	71877	5832	5378	3437	0	Pass
3	72324	5855	5696	3597	0	Pass
4	72536	5972	5665	3594	0	Pass
5	72207	6049	5669	3497	0	Pass
6	72504	5802	5733	3513	0	Pass
7	71973	5875	5547	3502	0	Pass
8	71715	5724	5340	3520	0	Pass
9	72051	5864	5532	3441	0	Pass
10	71985	5790	5503	3614	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1194.934	5.015	0.000	0.000	Pass
2	1192.833	7.566	0.000	0.000	Pass
3	1200.285	2.648	0.000	0.000	Pass
4	1203.819	5.115	0.000	0.000	Pass
5	1198.335	6.332	0.000	0.000	Pass
6	1203.286	1.147	0.000	0.000	Pass
7	1194.434	5.465	0.000	0.000	Pass
8	1190.133	6.399	0.000	0.000	Pass
9	1195.734	5.532	0.000	0.000	Pass
10	1194.634	4.782	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: JSR\_03  
Detector id: JSR\_03  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.06.26 09:59:13  
Results file name: 96QJ5913.VER  
Inspection number:  
Item id: PC2 201906  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.06.26  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.06.26

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1620  
Multiplicity deadtime: 86.5000  
Coefficient A deadtime: 0.3458  
Coefficient B deadtime: 0.0299  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 5.241 +- 0.000  
Passive doubles bkgrnd: 0.003 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.567  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages  
No known alpha calibration

Results

Singles:	1475.279 +- 2.108
Doubles:	7.652 +- 0.828
Triples:	0.000 +- 0.000
Scaler 1:	49.967 +- 0.270
Scaler 2:	0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	88454	8691	8261	3044	0	Pass
2	88799	8820	8436	3022	0	Pass
3	88257	8473	8339	3040	0	Pass
4	89350	9072	8669	2919	0	Pass
5	88981	9057	8434	3010	0	Pass
6	89339	8858	8532	3057	0	Pass
7	89181	8957	8422	3100	0	Pass
8	88355	8969	8366	3097	0	Pass
9	88903	8968	8391	3015	0	Pass
10	88579	8982	8386	3016	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1469.181	7.167	0.000	0.000	Pass
2	1474.932	6.400	0.000	0.000	Pass
3	1465.896	2.231	0.000	0.000	Pass
4	1484.118	6.383	0.000	0.000	Pass
5	1477.966	10.385	0.000	0.000	Pass
6	1483.934	5.433	0.000	0.000	Pass
7	1481.300	8.918	0.000	0.000	Pass
8	1467.530	10.052	0.000	0.000	Pass
9	1476.666	9.618	0.000	0.000	Pass
10	1471.264	9.935	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 10:15:18  
 Results file name: 96GK1518.VER  
 Inspection number:  
 Item id: PC3 201906  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 5.241 +- 0.000  
 Passive doubles bkgrnd: 0.003 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.567  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 787.492 +- 1.541  
 Doubles: 1.807 +- 0.234  
 Triples: 0.000 +- 0.000  
 Scaler 1: 63.592 +- 0.248  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	47598	2611	2447	3773	0	Pass
2	47061	2531	2458	3814	0	Pass
3	47395	2550	2434	3916	0	Pass
4	47901	2558	2405	3874	0	Pass
5	47479	2527	2425	3839	0	Pass
6	47453	2547	2493	3919	0	Pass
7	47331	2518	2485	3856	0	Pass
8	47848	2528	2425	3805	0	Pass
9	47512	2595	2458	3870	0	Pass
10	48029	2568	2417	3829	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	788.114	2.731	0.000	0.000	Pass
2	779.163	1.214	0.000	0.000	Pass
3	784.730	1.930	0.000	0.000	Pass
4	793.164	2.547	0.000	0.000	Pass
5	786.130	1.697	0.000	0.000	Pass
6	785.697	0.897	0.000	0.000	Pass
7	783.663	0.547	0.000	0.000	Pass
8	792.281	1.714	0.000	0.000	Pass
9	786.680	2.280	0.000	0.000	Pass
10	795.298	2.514	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 10:31:22  
 Results file name: 96GK3122.VER  
 Inspection number:  
 Item id: PC4 201906  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 5.241 +- 0.000  
 Passive doubles bkgrnd: 0.003 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.567  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1675.082 +- 1.437  
 Doubles: 9.587 +- 0.581  
 Triples: 0.000 +- 0.000  
 Scaler 1: 275.682 +- 0.469  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	100519	11417	10740	16545	0	Pass
2	100929	11592	10881	16684	0	Pass
3	100638	11250	10827	16702	0	Pass
4	101065	11456	11015	16475	0	Pass
5	101087	11557	11002	16557	0	Pass
6	101111	11723	11036	16534	0	Pass
7	101073	11542	10879	16436	0	Pass
8	100607	11327	10726	16569	0	Pass
9	100417	11285	10841	16680	0	Pass
10	100601	11445	10896	16567	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1670.319	11.286	0.000	0.000	Pass
2	1677.154	11.853	0.000	0.000	Pass
3	1672.303	7.051	0.000	0.000	Pass
4	1679.421	7.351	0.000	0.000	Pass
5	1679.788	9.252	0.000	0.000	Pass
6	1680.188	11.453	0.000	0.000	Pass
7	1679.555	11.053	0.000	0.000	Pass
8	1671.786	10.019	0.000	0.000	Pass
9	1668.618	7.401	0.000	0.000	Pass
10	1671.686	9.152	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: JSR\_03  
Detector id: JSR\_03  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.06.26 10:47:26  
Results file name: 96QK4726.VER  
Inspection number:  
Item id: PCS 201906  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.06.26  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.06.26

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1620  
Multiplicity deadtime: 86.5000  
Coefficient A deadtime: 0.3458  
Coefficient B deadtime: 0.0299  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 5.241 +- 0.000  
Passive doubles bkgrnd: 0.003 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.567  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1495.506 +- 1.378  
Doubles: 9.145 +- 0.736  
Triples: 0.000 +- 0.000  
Scaler 1: 149.782 +- 0.726  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	89754	9083	8505	9215	0	Pass
2	90065	9171	8771	9182	0	Pass
3	89972	9246	8567	8876	0	Pass
4	90284	9190	8713	8855	0	Pass
5	89735	8992	8294	8976	0	Pass
6	89698	9151	8511	8932	0	Pass
7	90118	9098	8436	8998	0	Pass
8	90086	9232	8588	9103	0	Pass
9	90539	9196	8873	9179	0	Pass
10	90080	9067	8682	8893	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1490.853	9.635	0.000	0.000	Pass
2	1496.038	6.667	0.000	0.000	Pass
3	1494.487	11.319	0.000	0.000	Pass
4	1499.688	7.951	0.000	0.000	Pass
5	1490.536	11.636	0.000	0.000	Pass
6	1489.919	10.669	0.000	0.000	Pass
7	1496.921	11.036	0.000	0.000	Pass
8	1496.388	10.735	0.000	0.000	Pass
9	1503.940	5.383	0.000	0.000	Pass
10	1496.288	6.417	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: JSR\_03  
Detector id: JSR\_03  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.06.26 11:12:33  
Results file name: 96QL1233.VER  
Inspection number:  
Item id: PC6 201906  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.06.26  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.06.26

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1620  
Multiplicity deadtime: 86.5000  
Coefficient A deadtime: 0.3458  
Coefficient B deadtime: 0.0299  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 5.241 +- 0.000  
Passive doubles bkgrnd: 0.003 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.567  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 2019.487 +- 1.805  
Doubles: 13.728 +- 0.563  
Triples: 0.000 +- 0.000  
Scaler 1: 75.203 +- 0.397  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	121537	16726	15766	4568	0	Pass
2	122007	16567	15947	4614	0	Pass
3	121506	16566	15756	4497	0	Pass
4	121644	16699	15893	4569	0	Pass
5	121399	16578	15888	4523	0	Pass
6	121001	16470	15625	4519	0	Pass
7	121446	16624	15809	4548	0	Pass
8	120805	16321	15413	4428	0	Pass
9	121695	16677	15725	4492	0	Pass
10	121584	16415	15588	4704	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2020.731	16.008	0.000	0.000	Pass
2	2028.567	10.337	0.000	0.000	Pass
3	2020.214	13.506	0.000	0.000	Pass
4	2022.515	13.439	0.000	0.000	Pass
5	2018.430	11.505	0.000	0.000	Pass
6	2011.794	14.090	0.000	0.000	Pass
7	2019.214	13.589	0.000	0.000	Pass
8	2008.527	15.140	0.000	0.000	Pass
9	2023.365	15.874	0.000	0.000	Pass
10	2021.514	13.790	0.000	0.000	Pass

(2)



INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 13:23:07  
 Results file name: 96GN2307.VER  
 Inspection number:  
 Item id: PC7 201906  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 5.241 +- 0.000  
 Passive doubles bkgrnd: 0.003 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.567  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 5197.149 +- 3.084  
 Doubles: 103.781 +- 2.634  
 Triples: 0.000 +- 0.000  
 Scaler 1: 116.797 +- 0.521  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	312549	109888	104311	6933	0	Pass
2	312114	110332	103970	7206	0	Pass
3	312494	110876	104579	6918	0	Pass
4	311305	109125	103517	7083	0	Pass
5	311635	110143	103604	6946	0	Pass
6	311686	109732	103646	6987	0	Pass
7	311442	109999	103771	7087	0	Pass
8	311644	109606	103682	7042	0	Pass
9	313168	110924	103600	7040	0	Pass
10	311993	110315	104101	7176	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	5206.257	93.114	0.000	0.000	Pass
2	5199.000	106.221	0.000	0.000	Pass
3	5205.339	105.136	0.000	0.000	Pass
4	5185.505	93.631	0.000	0.000	Pass
5	5191.010	109.176	0.000	0.000	Pass
6	5191.861	101.612	0.000	0.000	Pass
7	5187.790	103.983	0.000	0.000	Pass
8	5191.160	98.907	0.000	0.000	Pass
9	5216.583	122.284	0.000	0.000	Pass
10	5196.982	103.750	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 13:39:11  
 Results file name: 96GN3911.VER  
 Inspection number:  
 Item id: PC8 201906  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 5.241 +- 0.000  
 Passive doubles bkgrnd: 0.003 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.567  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 45276.676 +- 14.661  
 Doubles: 7787.056 +- 12.940  
 Triples: 0.000 +- 0.000  
 Scaler 1: 364.250 +- 0.574  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2705705	8265822	7809474	21883	0	Pass
2	2702560	8250858	7791627	21945	0	Pass
3	2709488	8286563	7829287	21761	0	Pass
4	2708736	8290332	7827385	21838	0	Pass
5	2710167	8295174	7835394	21852	0	Pass
6	2705667	8269138	7807714	22141	0	Pass
7	2703311	8262485	7798141	21811	0	Pass
8	2707971	8277857	7818029	21807	0	Pass
9	2702979	8249585	7790825	21881	0	Pass
10	2706419	8271787	7812078	21971	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	45266.676	7725.800	0.000	0.000	Pass
2	45213.847	7774.466	0.000	0.000	Pass
3	45330.222	7741.681	0.000	0.000	Pass
4	45317.590	7837.656	0.000	0.000	Pass
5	45341.628	7784.104	0.000	0.000	Pass
6	45266.038	7811.733	0.000	0.000	Pass
7	45226.462	7861.060	0.000	0.000	Pass
8	45304.740	7784.817	0.000	0.000	Pass
9	45220.885	7766.511	0.000	0.000	Pass
10	45278.669	7782.733	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: JSR\_03  
Detector id: JSR\_03  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.06.26 13:56:16  
Results file name: 96GN5616.VER  
Inspection number:  
Item id: PC9 201906  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.06.26  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.06.26

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1620  
Multiplicity deadtime: 86.5000  
Coefficient A deadtime: 0.3458  
Coefficient B deadtime: 0.0299  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 5.241 +- 0.000  
Passive doubles bkgrnd: 0.003 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.567  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 8632.943 +- 4.964  
Doubles: 277.130 +- 4.939  
Triples: 0.000 +- 0.000  
Scaler 1: 1221.048 +- 1.430  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	517552	303330	285786	73532	0	Pass
2	519562	306041	288270	73555	0	Pass
3	515836	301053	284141	73419	0	Pass
4	518272	303334	286777	72919	0	Pass
5	517485	301514	285897	73013	0	Pass
6	518502	302860	288008	73264	0	Pass
7	518056	302569	285568	73308	0	Pass
8	517970	302790	286647	73167	0	Pass
9	517663	303074	285642	73032	0	Pass
10	518143	302541	286586	73760	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	8627.066	293.271	0.000	0.000	Pass
2	8660.616	297.069	0.000	0.000	Pass
3	8598.423	282.703	0.000	0.000	Pass
4	8639.084	276.773	0.000	0.000	Pass
5	8625.947	261.058	0.000	0.000	Pass
6	8642.923	248.271	0.000	0.000	Pass
7	8635.478	284.194	0.000	0.000	Pass
8	8634.043	269.852	0.000	0.000	Pass
9	8628.918	291.399	0.000	0.000	Pass
10	8636.930	266.709	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: JSR\_03  
Detector id: JSR\_03  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.06.26 14:12:20  
Results file name: 96Q01220.VER  
Inspection number:  
Item id: PC10 201906  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.06.26  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.06.26

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1620  
Multiplicity deadtime: 86.5000  
Coefficient A deadtime: 0.3458  
Coefficient B deadtime: 0.0299  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 5.241 +- 0.000  
Passive doubles bkgrnd: 0.003 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.567  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 3654.003 +- 2.553  
Doubles: 50.162 +- 2.537  
Triples: 0.000 +- 0.000  
Scaler 1: 2779.753 +- 3.198  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	219228	54338	51091	166732	0	Pass
2	219113	53637	51444	167873	0	Pass
3	218802	54071	50841	167135	0	Pass
4	219728	54898	51127	166987	0	Pass
5	219236	53986	51696	166835	0	Pass
6	220378	54588	51848	165610	0	Pass
7	219745	54462	51380	166587	0	Pass
8	219761	54567	51580	166746	0	Pass
9	219000	54260	51060	167365	0	Pass
10	219861	54846	51525	166322	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3649.714	54.182	0.000	0.000	Pass
2	3647.796	36.593	0.000	0.000	Pass
3	3642.610	53.898	0.000	0.000	Pass
4	3658.053	62.926	0.000	0.000	Pass
5	3649.847	38.211	0.000	0.000	Pass
6	3668.893	45.721	0.000	0.000	Pass
7	3658.336	51.428	0.000	0.000	Pass
8	3658.603	49.843	0.000	0.000	Pass
9	3645.912	53.397	0.000	0.000	Pass
10	3660.271	55.417	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 09:42:09  
 Results file name: 96QJ4209.VER  
 Inspection number:  
 Item id: PT1 201906  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.456 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.692  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 44.839 +- 0.187  
 Doubles: -0.018 +- 0.020  
 Triples: 0.000 +- 0.000  
 Scaler 1: 111.028 +- 0.399  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2661	9	7	6639	0	Pass
2	2700	6	13	6752	0	Pass
3	2682	7	4	6758	0	Pass
4	2738	10	15	6554	0	Pass
5	2787	8	11	6734	0	Pass
6	2753	7	6	6619	0	Pass
7	2712	9	5	6693	0	Pass
8	2717	6	11	6728	0	Pass
9	2714	8	7	6770	0	Pass
10	2713	10	12	6785	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	43.894	0.033	0.000	0.000	Pass
2	44.544	-0.117	0.000	0.000	Pass
3	44.244	0.050	0.000	0.000	Pass
4	45.177	-0.083	0.000	0.000	Pass
5	45.994	-0.050	0.000	0.000	Pass
6	45.427	0.017	0.000	0.000	Pass
7	44.744	0.067	0.000	0.000	Pass
8	44.827	-0.083	0.000	0.000	Pass
9	44.777	0.017	0.000	0.000	Pass
10	44.760	-0.033	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 09:59:13  
 Results file name: 96QJ5913.VER  
 Inspection number:  
 Item id: PT2 201906  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.456 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.692  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 68.677 +- 0.270  
 Doubles: -0.005 +- 0.037  
 Triples: 0.000 +- 0.000  
 Scaler 1: 189.790 +- 0.573  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	4049	11	21	11383	0	Pass
2	4224	26	24	11633	0	Pass
3	4083	23	14	11559	0	Pass
4	4141	17	21	11516	0	Pass
5	4174	19	20	11430	0	Pass
6	4147	26	21	11406	0	Pass
7	4174	18	16	11384	0	Pass
8	4134	6	19	11313	0	Pass
9	4160	20	13	11375	0	Pass
10	4194	17	17	11290	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	67.027	-0.167	0.000	0.000	Pass
2	69.944	0.033	0.000	0.000	Pass
3	67.594	0.150	0.000	0.000	Pass
4	68.560	-0.067	0.000	0.000	Pass
5	69.110	-0.017	0.000	0.000	Pass
6	68.660	0.083	0.000	0.000	Pass
7	69.110	0.033	0.000	0.000	Pass
8	68.444	-0.217	0.000	0.000	Pass
9	68.877	0.117	0.000	0.000	Pass
10	69.444	0.000	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 10:15:18  
 Results file name: 96GK1518.VER  
 Inspection number:  
 Item id: PT3 201906  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.456 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.692  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 255.922 +- 0.448  
 Doubles: 0.027 +- 0.115  
 Triples: 0.000 +- 0.000  
 Scaler 1: 60.643 +- 0.222  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	15378	266	266	3683	0	Pass
2	15282	256	273	3634	0	Pass
3	15515	259	270	3724	0	Pass
4	15253	257	281	3694	0	Pass
5	15383	282	256	3733	0	Pass
6	15310	261	235	3713	0	Pass
7	15484	267	264	3652	0	Pass
8	15417	242	270	3703	0	Pass
9	15441	266	258	3664	0	Pass
10	15364	299	266	3601	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	255.844	0.000	0.000	0.000	Pass
2	254.244	-0.283	0.000	0.000	Pass
3	258.127	-0.183	0.000	0.000	Pass
4	253.760	-0.400	0.000	0.000	Pass
5	255.927	0.433	0.000	0.000	Pass
6	254.710	0.433	0.000	0.000	Pass
7	257.610	0.050	0.000	0.000	Pass
8	256.494	-0.467	0.000	0.000	Pass
9	256.894	0.133	0.000	0.000	Pass
10	255.610	0.550	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 10:31:22  
 Results file name: 96GK3122.VER  
 Inspection number:  
 Item id: PT4 201906  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.456 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.692  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 988.385 +- 1.074  
 Doubles: 4.303 +- 0.446  
 Triples: 0.000 +- 0.000  
 Scaler 1: 48.333 +- 0.303  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	59519	3938	3710	2966	0	Pass
2	59095	3890	3800	2900	0	Pass
3	59356	4054	3739	2832	0	Pass
4	59072	3949	3758	2919	0	Pass
5	59317	4058	3722	2939	0	Pass
6	59311	3932	3739	2961	0	Pass
7	59105	3949	3605	2979	0	Pass
8	59300	4099	3777	2912	0	Pass
9	59638	3946	3713	2956	0	Pass
10	59592	3988	3658	3051	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	991.527	3.800	0.000	0.000	Pass
2	984.460	1.500	0.000	0.000	Pass
3	988.810	5.250	0.000	0.000	Pass
4	984.077	3.183	0.000	0.000	Pass
5	988.160	5.600	0.000	0.000	Pass
6	988.060	3.217	0.000	0.000	Pass
7	984.627	5.733	0.000	0.000	Pass
8	987.877	5.367	0.000	0.000	Pass
9	993.510	3.883	0.000	0.000	Pass
10	992.744	5.500	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 10:47:26  
 Results file name: 96QK4726.VER  
 Inspection number:  
 Item id: PT5 201906  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.456 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.692  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 3017.592 +- 2.004  
 Doubles: 32.440 +- 1.270  
 Triples: 0.000 +- 0.000  
 Scaler 1: 52.133 +- 0.191  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	181126	36841	35081	3237	0	Pass
2	181733	37360	35099	3164	0	Pass
3	181275	37210	35305	3141	0	Pass
4	181054	37021	35297	3226	0	Pass
5	180577	36712	34864	3180	0	Pass
6	181162	37155	35279	3174	0	Pass
7	181084	36868	35056	3128	0	Pass
8	181450	37667	35310	3156	0	Pass
9	180933	36975	35275	3144	0	Pass
10	180435	37032	34811	3145	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3018.310	29.333	0.000	0.000	Pass
2	3028.427	37.683	0.000	0.000	Pass
3	3020.794	31.750	0.000	0.000	Pass
4	3017.110	28.733	0.000	0.000	Pass
5	3009.160	30.800	0.000	0.000	Pass
6	3018.910	31.267	0.000	0.000	Pass
7	3017.610	30.200	0.000	0.000	Pass
8	3023.710	39.283	0.000	0.000	Pass
9	3015.094	28.333	0.000	0.000	Pass
10	3006.794	37.017	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 11:12:33  
 Results file name: 96QL1233.VER  
 Inspection number:  
 Item id: PT6 201906  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.456 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.692  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 39.110 +- 0.229  
 Doubles: -0.010 +- 0.021  
 Triples: 0.000 +- 0.000  
 Scaler 1: 2593.083 +- 1.409  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2442	0	6	156035	0	Pass
2	2404	8	6	155845	0	Pass
3	2331	6	9	155155	0	Pass
4	2416	6	2	155493	0	Pass
5	2404	2	7	155737	0	Pass
6	2388	1	6	155701	0	Pass
7	2335	11	6	155694	0	Pass
8	2327	7	6	155475	0	Pass
9	2374	7	7	155825	0	Pass
10	2319	4	3	155305	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	40.244	-0.100	0.000	0.000	Pass
2	39.610	0.033	0.000	0.000	Pass
3	38.394	-0.050	0.000	0.000	Pass
4	39.810	0.067	0.000	0.000	Pass
5	39.610	-0.083	0.000	0.000	Pass
6	39.344	-0.083	0.000	0.000	Pass
7	38.460	0.083	0.000	0.000	Pass
8	38.327	0.017	0.000	0.000	Pass
9	39.110	0.000	0.000	0.000	Pass
10	38.194	0.017	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 13:24:08  
 Results file name: 96QN2408.VER  
 Inspection number:  
 Item id: PT7 201906  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.456 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.692  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 35.299 +- 0.264  
 Doubles: -0.015 +- 0.013  
 Triples: 0.000 +- 0.000  
 Scaler 1: 887.498 +- 1.112  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2123	6	5	53446	0	Pass
2	2171	4	5	53146	0	Pass
3	2167	5	5	53357	0	Pass
4	2152	7	3	53155	0	Pass
5	2084	6	5	53499	0	Pass
6	2188	4	7	53523	0	Pass
7	2049	3	6	52966	0	Pass
8	2209	4	6	52988	0	Pass
9	2125	3	8	53475	0	Pass
10	2185	10	11	53359	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	34.927	0.017	0.000	0.000	Pass
2	35.727	-0.017	0.000	0.000	Pass
3	35.660	0.000	0.000	0.000	Pass
4	35.410	0.067	0.000	0.000	Pass
5	34.277	0.017	0.000	0.000	Pass
6	36.010	-0.050	0.000	0.000	Pass
7	33.694	-0.050	0.000	0.000	Pass
8	36.360	-0.033	0.000	0.000	Pass
9	34.960	-0.083	0.000	0.000	Pass
10	35.960	-0.017	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 13:40:12  
 Results file name: 96QN4012.VER  
 Inspection number:  
 Item id: PT8 201906  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.456 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.692  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 50.259 +- 0.285  
 Doubles: -0.007 +- 0.025  
 Triples: 0.000 +- 0.000  
 Scaler 1: 261.061 +- 0.662  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	3011	9	13	15509	0	Pass
2	3127	10	5	15688	0	Pass
3	3056	14	12	15791	0	Pass
4	3026	12	11	15715	0	Pass
5	3076	9	9	15777	0	Pass
6	3089	12	19	15520	0	Pass
7	3096	12	7	15789	0	Pass
8	2971	5	11	15600	0	Pass
9	2971	13	8	15775	0	Pass
10	3006	11	16	15888	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	49.727	-0.067	0.000	0.000	Pass
2	51.660	0.083	0.000	0.000	Pass
3	50.477	0.033	0.000	0.000	Pass
4	49.977	0.017	0.000	0.000	Pass
5	50.810	0.000	0.000	0.000	Pass
6	51.027	-0.117	0.000	0.000	Pass
7	51.144	0.083	0.000	0.000	Pass
8	49.060	-0.100	0.000	0.000	Pass
9	49.060	0.083	0.000	0.000	Pass
10	49.644	-0.083	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 13:55:16  
 Results file name: 96GN5516.VER  
 Inspection number:  
 Item id: PT9 201906  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.456 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.692  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 168.892 +- 0.431  
 Doubles: 0.125 +- 0.050  
 Triples: 0.000 +- 0.000  
 Scaler 1: 106.375 +- 0.626  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	10174	116	99	6509	0	Pass
2	10289	113	112	6529	0	Pass
3	10211	120	100	6378	0	Pass
4	10081	127	122	6482	0	Pass
5	10065	108	108	6410	0	Pass
6	10250	113	116	6213	0	Pass
7	10207	137	113	6358	0	Pass
8	10183	120	111	6639	0	Pass
9	10069	106	106	6351	0	Pass
10	10080	112	110	6371	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	169.110	0.283	0.000	0.000	Pass
2	171.027	0.017	0.000	0.000	Pass
3	169.727	0.333	0.000	0.000	Pass
4	167.560	0.083	0.000	0.000	Pass
5	167.294	0.000	0.000	0.000	Pass
6	170.377	-0.050	0.000	0.000	Pass
7	169.660	0.400	0.000	0.000	Pass
8	169.260	0.150	0.000	0.000	Pass
9	167.360	0.000	0.000	0.000	Pass
10	167.544	0.033	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.06.26 14:12:21  
 Results file name: 96Q01221.VER  
 Inspection number:  
 Item id: PT10 201906  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.06.26  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.06.26

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.456 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.692  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 102.067 +- 0.468  
 Doubles: -0.047 +- 0.025  
 Triples: 0.000 +- 0.000  
 Scaler 1: 85.741 +- 0.460  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	6083	31	41	5209	0	Pass
2	6002	41	39	5263	0	Pass
3	6283	46	46	5117	0	Pass
4	6274	39	47	5137	0	Pass
5	6109	44	46	5139	0	Pass
6	6121	40	46	5386	0	Pass
7	6102	36	43	5164	0	Pass
8	6149	39	34	5084	0	Pass
9	6160	42	42	5150	0	Pass
10	6231	40	42	5211	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	100.927	-0.167	0.000	0.000	Pass
2	99.577	0.033	0.000	0.000	Pass
3	104.260	0.000	0.000	0.000	Pass
4	104.110	-0.133	0.000	0.000	Pass
5	101.360	-0.033	0.000	0.000	Pass
6	101.560	-0.100	0.000	0.000	Pass
7	101.244	-0.117	0.000	0.000	Pass
8	102.027	0.083	0.000	0.000	Pass
9	102.210	0.000	0.000	0.000	Pass
10	103.394	-0.033	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 13:18:52  
 Results file name: 974N1852.VER  
 Inspection number:  
 Item id: BB1 201907  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.825 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.518  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 44.162 +- 0.267  
 Doubles: -0.005 +- 0.020  
 Triples: 0.000 +- 0.000  
 Scaler 1: 109.145 +- 0.444  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2716	2	4	6696	0	Pass
2	2681	8	7	6749	0	Pass
3	2653	11	6	6623	0	Pass
4	2630	8	9	6677	0	Pass
5	2699	6	9	6572	0	Pass
6	2748	10	7	6572	0	Pass
7	2694	3	10	6686	0	Pass
8	2806	4	8	6466	0	Pass
9	2659	10	7	6714	0	Pass
10	2706	9	7	6643	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	44.442	-0.033	0.000	0.000	Pass
2	43.858	0.017	0.000	0.000	Pass
3	43.392	0.083	0.000	0.000	Pass
4	43.008	-0.017	0.000	0.000	Pass
5	44.158	-0.050	0.000	0.000	Pass
6	44.975	0.050	0.000	0.000	Pass
7	44.075	-0.117	0.000	0.000	Pass
8	45.942	-0.067	0.000	0.000	Pass
9	43.492	0.050	0.000	0.000	Pass
10	44.275	0.033	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 13:34:57  
 Results file name: 974N3457.VER  
 Inspection number:  
 Item id: BB2 201907  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.825 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.518  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 67.165 +- 0.182  
 Doubles: 0.017 +- 0.031  
 Triples: 0.000 +- 0.000  
 Scaler 1: 187.185 +- 0.570  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	4061	21	24	11468	0	Pass
2	4017	23	23	11382	0	Pass
3	4051	21	23	11380	0	Pass
4	4101	21	15	11268	0	Pass
5	4091	15	21	11175	0	Pass
6	4079	23	11	11360	0	Pass
7	4149	24	25	11372	0	Pass
8	4090	21	14	11221	0	Pass
9	4068	15	12	11434	0	Pass
10	4087	14	20	11162	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	66.858	-0.050	0.000	0.000	Pass
2	66.125	0.000	0.000	0.000	Pass
3	66.692	-0.033	0.000	0.000	Pass
4	67.525	0.100	0.000	0.000	Pass
5	67.358	-0.100	0.000	0.000	Pass
6	67.158	0.200	0.000	0.000	Pass
7	68.325	-0.017	0.000	0.000	Pass
8	67.342	0.117	0.000	0.000	Pass
9	66.975	0.050	0.000	0.000	Pass
10	67.292	-0.100	0.000	0.000	Pass

(2)



INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 13:53:01  
 Results file name: 974N5301.VER  
 Inspection number:  
 Item id: BB3 201907  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.825 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.518  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60  
 Passive error messages  
 No known alpha calibration  
 Results  
 Singles: 254.065 +- 0.576  
 Doubles: 0.375 +- 0.124  
 Triples: 0.000 +- 0.000  
 Scaler 1: 59.673 +- 0.287  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	15288	277	249	3692	0	Pass
2	15251	247	256	3648	0	Pass
3	15337	270	227	3694	0	Pass
4	15326	269	219	3766	0	Pass
5	15141	254	248	3732	0	Pass
6	15481	288	234	3688	0	Pass
7	15247	280	242	3644	0	Pass
8	15196	248	252	3577	0	Pass
9	15212	249	229	3624	0	Pass
10	15455	277	278	3650	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	253.975	0.467	0.000	0.000	Pass
2	253.358	-0.150	0.000	0.000	Pass
3	254.792	0.717	0.000	0.000	Pass
4	254.608	0.833	0.000	0.000	Pass
5	251.525	0.100	0.000	0.000	Pass
6	257.192	0.900	0.000	0.000	Pass
7	253.292	0.633	0.000	0.000	Pass
8	252.442	-0.067	0.000	0.000	Pass
9	252.708	0.333	0.000	0.000	Pass
10	256.758	-0.017	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 14:12:06  
 Results file name: 97401206.VER  
 Inspection number:  
 Item id: BB4 201907  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.825 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.518  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60  
 Passive error messages  
 No known alpha calibration  
 Results  
 Singles: 983.370 +- 1.063  
 Doubles: 2.868 +- 0.360  
 Triples: 0.000 +- 0.000  
 Scaler 1: 48.223 +- 0.266  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	59067	3902	3797	2954	0	Pass
2	58740	3796	3634	3056	0	Pass
3	58925	3859	3768	3023	0	Pass
4	59123	3902	3651	2921	0	Pass
5	58878	3855	3771	2953	0	Pass
6	59408	3910	3684	2955	0	Pass
7	59149	3931	3655	2950	0	Pass
8	58846	3869	3703	2961	0	Pass
9	59176	3917	3775	3001	0	Pass
10	59205	3957	3739	3071	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	983.625	1.750	0.000	0.000	Pass
2	978.175	2.700	0.000	0.000	Pass
3	981.258	1.517	0.000	0.000	Pass
4	984.558	4.183	0.000	0.000	Pass
5	980.475	1.400	0.000	0.000	Pass
6	989.308	3.767	0.000	0.000	Pass
7	984.992	4.600	0.000	0.000	Pass
8	979.942	2.767	0.000	0.000	Pass
9	985.442	2.367	0.000	0.000	Pass
10	985.925	3.633	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 14:28:10  
 Results file name: 97402810.VER  
 Inspection number:  
 Item id: BBS 201907  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.825 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.518  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 2995.808 +- 2.890  
 Doubles: 33.628 +- 1.387  
 Triples: 0.000 +- 0.000  
 Scaler 1: 51.607 +- 0.216  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	180015	36589	34556	3244	0	Pass
2	179981	36636	34465	3153	0	Pass
3	180929	36902	34802	3155	0	Pass
4	179977	36420	34707	3192	0	Pass
5	179148	36275	33977	3163	0	Pass
6	180191	36652	34509	3187	0	Pass
7	179749	36284	33911	3194	0	Pass
8	179553	36077	34568	3192	0	Pass
9	179260	36069	34134	3264	0	Pass
10	179177	36003	34101	3131	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2999.425	33.883	0.000	0.000	Pass
2	2998.858	36.183	0.000	0.000	Pass
3	3014.658	35.000	0.000	0.000	Pass
4	2998.792	28.550	0.000	0.000	Pass
5	2984.975	38.300	0.000	0.000	Pass
6	3002.358	35.717	0.000	0.000	Pass
7	2994.992	39.550	0.000	0.000	Pass
8	2991.725	25.150	0.000	0.000	Pass
9	2986.842	32.250	0.000	0.000	Pass
10	2985.458	31.700	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 09:14:59  
 Results file name: 974J1459.VER  
 Inspection number:  
 Item id: BB6 201907  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.825 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.518  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 37.950 +- 0.290  
 Doubles: -0.008 +- 0.018  
 Triples: 0.000 +- 0.000  
 Scaler 1: 2574.600 +- 1.355  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2343	6	8	154090	0	Pass
2	2327	6	12	154627	0	Pass
3	2282	3	6	154968	0	Pass
4	2261	3	3	154799	0	Pass
5	2418	5	7	154478	0	Pass
6	2336	9	7	154790	0	Pass
7	2326	4	7	154529	0	Pass
8	2414	10	7	154307	0	Pass
9	2277	7	1	154439	0	Pass
10	2281	4	4	154644	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	38.225	-0.033	0.000	0.000	Pass
2	37.958	-0.100	0.000	0.000	Pass
3	37.208	-0.050	0.000	0.000	Pass
4	36.858	0.000	0.000	0.000	Pass
5	39.475	-0.033	0.000	0.000	Pass
6	38.108	0.033	0.000	0.000	Pass
7	37.942	-0.050	0.000	0.000	Pass
8	39.408	0.050	0.000	0.000	Pass
9	37.125	0.100	0.000	0.000	Pass
10	37.192	0.000	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 09:32:03  
 Results file name: 974J3203.VER  
 Inspection number:  
 Item id: BB7 201907  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.825 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.518  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 34.545 +- 0.210  
 Doubles: 0.000 +- 0.012  
 Triples: 0.000 +- 0.000  
 Scaler 1: 881.883 +- 1.119  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2094	7	5	53239	0	Pass
2	2045	5	4	52699	0	Pass
3	2126	3	6	53113	0	Pass
4	2086	5	2	52825	0	Pass
5	2110	2	2	52813	0	Pass
6	2137	4	5	53047	0	Pass
7	2133	4	4	53410	0	Pass
8	2170	6	6	52912	0	Pass
9	2176	4	8	53022	0	Pass
10	2145	5	3	52961	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	34.075	0.033	0.000	0.000	Pass
2	33.258	0.017	0.000	0.000	Pass
3	34.608	-0.050	0.000	0.000	Pass
4	33.942	0.050	0.000	0.000	Pass
5	34.342	0.000	0.000	0.000	Pass
6	34.792	-0.017	0.000	0.000	Pass
7	34.725	0.000	0.000	0.000	Pass
8	35.342	0.000	0.000	0.000	Pass
9	35.442	-0.067	0.000	0.000	Pass
10	34.925	0.033	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 09:51:08  
 Results file name: 974J5108.VER  
 Inspection number:  
 Item id: BB8 201907  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.825 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.518  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 11  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 50.130 +- 0.259  
 Doubles: 0.017 +- 0.018  
 Triples: 0.000 +- 0.000  
 Scaler 1: 260.833 +- 0.405  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	3105	4	8	15846	0	Pass
2	3004	12	7	15605	0	Pass
3	3087	13	7	15743	0	Pass
4	3144	7	11	15709	0	Pass
5	3082	10	8	15790	0	Pass
6	2999	11	9	15744	0	Pass
7	2982	11	12	15793	0	Pass
8	3086	9	5	15724	0	Pass
9	3082	10	13	15673	0	Pass
10	3017	13	12	15654	0	Pass
11	3042	11	8	15871	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	50.925	-0.067	0.000	0.000	Pass
2	49.242	0.083	0.000	0.000	Pass
3	50.625	0.100	0.000	0.000	Pass
4	51.575	-0.067	0.000	0.000	Pass
5	50.542	0.033	0.000	0.000	Pass
6	49.158	0.033	0.000	0.000	Pass
7	48.875	-0.017	0.000	0.000	Pass
8	50.608	0.067	0.000	0.000	Pass
9	50.542	-0.050	0.000	0.000	Pass
10	49.458	0.017	0.000	0.000	Pass
11	49.875	0.050	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 10:07:12  
 Results file name: 974K0712.VER  
 Inspection number:  
 Item id: 889 201907  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.825 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.518  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 165.858 +- 0.392  
 Doubles: 0.155 +- 0.071  
 Triples: 0.000 +- 0.000  
 Scaler 1: 104.750 +- 0.431  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	10002	104	116	6277	0	Pass
2	9933	118	111	6384	0	Pass
3	9914	102	107	6379	0	Pass
4	10025	122	91	6299	0	Pass
5	10024	115	96	6458	0	Pass
6	9947	128	106	6372	0	Pass
7	9998	106	99	6417	0	Pass
8	10114	122	110	6243	0	Pass
9	10125	133	117	6433	0	Pass
10	9928	111	115	6499	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	165.875	-0.200	0.000	0.000	Pass
2	164.725	0.117	0.000	0.000	Pass
3	164.408	-0.083	0.000	0.000	Pass
4	166.258	0.517	0.000	0.000	Pass
5	166.242	0.317	0.000	0.000	Pass
6	164.958	0.367	0.000	0.000	Pass
7	165.808	0.117	0.000	0.000	Pass
8	167.742	0.200	0.000	0.000	Pass
9	167.925	0.267	0.000	0.000	Pass
10	164.642	-0.067	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 10:23:17  
 Results file name: 974K2317.VER  
 Inspection number:  
 Item id: BB10 201907  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.825 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.518  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 100.967 +- 0.279  
 Doubles: 0.010 +- 0.045  
 Triples: 0.000 +- 0.000  
 Scaler 1: 85.142 +- 0.433  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	6177	49	45	5286	0	Pass
2	6091	35	35	5341	0	Pass
3	6155	46	42	5168	0	Pass
4	6027	36	52	5140	0	Pass
5	6097	40	43	5218	0	Pass
6	6198	43	31	5121	0	Pass
7	6079	41	42	5175	0	Pass
8	6066	43	41	5167	0	Pass
9	6095	65	53	5089	0	Pass
10	6090	33	41	5291	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	102.125	0.067	0.000	0.000	Pass
2	100.692	0.000	0.000	0.000	Pass
3	101.758	0.067	0.000	0.000	Pass
4	99.625	-0.267	0.000	0.000	Pass
5	100.792	-0.050	0.000	0.000	Pass
6	102.475	0.200	0.000	0.000	Pass
7	100.492	-0.017	0.000	0.000	Pass
8	100.275	0.033	0.000	0.000	Pass
9	100.758	0.200	0.000	0.000	Pass
10	100.675	-0.133	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 13:18:52  
 Results file name: 974N1852.VER  
 Inspection number:  
 Item id: BC1 201907  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 8.150 +- 0.000  
 Passive doubles bkgrnd: 0.006 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.947  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1479.098 +- 1.700  
 Doubles: 7.503 +- 0.724  
 Triples: 0.000 +- 0.000  
 Scaler 1: 2869.306 +- 2.370  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	89632	9048	8687	173038	0	Pass
2	89686	9162	8623	171766	0	Pass
3	89353	8907	8477	172311	0	Pass
4	89074	9034	8424	171996	0	Pass
5	88782	8779	8380	171841	0	Pass
6	89287	9067	8487	171747	0	Pass
7	88825	8849	8384	171915	0	Pass
8	88918	8905	8569	172530	0	Pass
9	89458	8911	8730	172213	0	Pass
10	89121	9109	8509	172795	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1486.075	6.017	0.000	0.000	Pass
2	1486.976	8.986	0.000	0.000	Pass
3	1481.423	7.168	0.000	0.000	Pass
4	1476.771	10.171	0.000	0.000	Pass
5	1471.902	6.651	0.000	0.000	Pass
6	1480.322	9.670	0.000	0.000	Pass
7	1472.619	7.752	0.000	0.000	Pass
8	1474.169	5.600	0.000	0.000	Pass
9	1483.174	3.014	0.000	0.000	Pass
10	1477.554	10.004	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 13:34:57  
 Results file name: 974N3457.VER  
 Inspection number:  
 Item id: BC2 201907  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 8.150 +- 0.000  
 Passive doubles bkgrnd: 0.006 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.947  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 3953.381 +- 2.306  
 Doubles: 64.191 +- 2.042  
 Triples: 0.000 +- 0.000  
 Scaler 1: 705.010 +- 1.057  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	236782	63420	59991	42139	0	Pass
2	237514	63805	59826	42672	0	Pass
3	237385	64066	60101	42246	0	Pass
4	237556	63862	60260	42512	0	Pass
5	237220	64067	59750	42474	0	Pass
6	237308	63609	60100	42120	0	Pass
7	237418	63607	60104	42509	0	Pass
8	237902	64264	60082	42133	0	Pass
9	238311	65131	60672	42253	0	Pass
10	238012	63825	60350	42516	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3940.718	57.289	0.000	0.000	Pass
2	3952.934	66.480	0.000	0.000	Pass
3	3950.781	66.246	0.000	0.000	Pass
4	3953.635	60.180	0.000	0.000	Pass
5	3948.028	72.127	0.000	0.000	Pass
6	3949.496	58.626	0.000	0.000	Pass
7	3951.332	58.526	0.000	0.000	Pass
8	3959.409	69.872	0.000	0.000	Pass
9	3966.234	74.501	0.000	0.000	Pass
10	3961.245	58.059	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: JSR\_01  
Detector id: JSR\_01  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.07.04 13:53:02  
Results file name: 974N5302.VER  
Inspection number:  
Item id: BC3 201907  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.07.04  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.07.04

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1970  
Multiplicity deadtime: 160.0000  
Coefficient A deadtime: 0.6419  
Coefficient B deadtime: 0.1030  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 8.150 +- 0.000  
Passive doubles bkgrnd: 0.006 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.947  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages  
No known alpha calibration

Results

Singles:	55191.996 +-	9.931
Doubles:	11886.166 +-	34.476
Triples:	0.000 +-	0.000
Scaler 1:	175.428 +-	0.478
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	3284461	12202785	11511328	10591	0	Pass
2	3283059	12186866	11499988	10629	0	Pass
3	3284514	12195286	11505257	10406	0	Pass
4	3283150	12196703	11496298	10634	0	Pass
5	3281143	12174940	11488145	10562	0	Pass
6	3280439	12157494	11473880	10511	0	Pass
7	3284809	12197533	11507686	10746	0	Pass
8	3283983	12192721	11511756	10632	0	Pass
9	3279460	12153240	11473962	10589	0	Pass
10	3283013	12188592	11494402	10525	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	55220.123	11940.104	0.000	0.000	Pass
2	55196.337	11860.853	0.000	0.000	Pass
3	55221.022	11915.452	0.000	0.000	Pass
4	55197.881	12094.446	0.000	0.000	Pass
5	55163.832	11859.172	0.000	0.000	Pass
6	55151.889	11804.154	0.000	0.000	Pass
7	55226.027	11912.348	0.000	0.000	Pass
8	55212.013	11758.867	0.000	0.000	Pass
9	55135.280	11729.158	0.000	0.000	Pass
10	55195.557	11987.109	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: JSR\_01  
Detector id: JSR\_01  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.07.04 14:12:06  
Results file name: 97401206.VER  
Inspection number:  
Item id: BC4 201907  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.07.04  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.07.04

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1970  
Multiplicity deadtime: 160.0000  
Coefficient A deadtime: 0.6419  
Coefficient B deadtime: 0.1030  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 8.150 +- 0.000  
Passive doubles bkgrnd: 0.006 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.947  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages  
No known alpha calibration

Results

Singles:	7092.861 +-	4.140
Doubles:	193.630 +-	4.737
Triples:	0.000 +-	0.000
Scaler 1:	59.168 +-	0.311
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	425695	205372	192678	3522	0	Pass
2	423913	203083	191272	3641	0	Pass
3	424867	203668	193304	3578	0	Pass
4	426068	204554	193026	3603	0	Pass
5	426572	205742	195373	3632	0	Pass
6	425618	205064	192914	3710	0	Pass
7	426289	205853	193606	3661	0	Pass
8	425211	204742	192100	3624	0	Pass
9	426148	204567	193964	3528	0	Pass
10	425373	204705	193460	3570	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7094.859	212.528	0.000	0.000	Pass
2	7065.091	197.740	0.000	0.000	Pass
3	7081.027	173.515	0.000	0.000	Pass
4	7101.090	193.006	0.000	0.000	Pass
5	7109.509	173.602	0.000	0.000	Pass
6	7093.572	203.420	0.000	0.000	Pass
7	7104.781	205.045	0.000	0.000	Pass
8	7086.774	211.656	0.000	0.000	Pass
9	7102.426	177.519	0.000	0.000	Pass
10	7089.480	188.267	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 14:28:11  
 Results file name: 97402811.VER  
 Inspection number:  
 Item id: BCS 201907  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 8.150 +- 0.000  
 Passive doubles bkgrnd: 0.006 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.947  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 2934.568 +- 1.223  
 Doubles: 32.447 +- 1.738  
 Triples: 0.000 +- 0.000  
 Scaler 1: 51.595 +- 0.221  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	176286	35086	33302	3147	0	Pass
2	176493	35265	33283	3113	0	Pass
3	176613	35285	33211	3196	0	Pass
4	176480	35463	33088	3178	0	Pass
5	176713	35479	33124	3165	0	Pass
6	176365	35097	33292	3141	0	Pass
7	176741	35331	33193	3093	0	Pass
8	176001	34979	32961	3101	0	Pass
9	176390	34859	33285	3168	0	Pass
10	176715	34890	33560	3223	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2931.336	29.784	0.000	0.000	Pass
2	2934.790	33.090	0.000	0.000	Pass
3	2936.792	34.626	0.000	0.000	Pass
4	2934.573	39.652	0.000	0.000	Pass
5	2938.460	39.319	0.000	0.000	Pass
6	2932.654	30.134	0.000	0.000	Pass
7	2938.927	35.695	0.000	0.000	Pass
8	2926.582	33.691	0.000	0.000	Pass
9	2933.071	26.277	0.000	0.000	Pass
10	2938.493	22.203	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 09:15:07  
 Results file name: 974J1507.VER  
 Inspection number:  
 Item id: BCG 201907  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 8.150 +- 0.000  
 Passive doubles bkgrnd: 0.006 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.947  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 928.138 +- 1.289  
 Doubles: 3.301 +- 0.400  
 Triples: 0.000 +- 0.000  
 Scaler 1: 74.426 +- 0.314  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	55826	3570	3311	4429	0	Pass
2	56291	3577	3335	4636	0	Pass
3	56495	3539	3419	4598	0	Pass
4	56065	3607	3350	4524	0	Pass
5	56201	3550	3278	4512	0	Pass
6	56087	3603	3350	4489	0	Pass
7	56117	3507	3472	4495	0	Pass
8	56270	3531	3370	4533	0	Pass
9	56534	3559	3375	4473	0	Pass
10	55802	3467	3267	4535	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	922.423	4.314	0.000	0.000	Pass
2	930.175	4.030	0.000	0.000	Pass
3	933.576	1.996	0.000	0.000	Pass
4	926.407	4.280	0.000	0.000	Pass
5	928.674	4.530	0.000	0.000	Pass
6	926.774	4.213	0.000	0.000	Pass
7	927.274	0.578	0.000	0.000	Pass
8	929.825	2.679	0.000	0.000	Pass
9	934.226	3.063	0.000	0.000	Pass
10	922.022	3.330	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 09:32:12  
 Results file name: 974J3212.VER  
 Inspection number:  
 Item id: BC7 201907  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 8.150 +- 0.000  
 Passive doubles bkgrnd: 0.006 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.947  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	1131.817 +-	1.612
Doubles:	5.568 +-	0.450
Triples:	0.000 +-	0.000
Scaler 1:	120.840 +-	0.464
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	68583	5355	4996	7238	0	Pass
2	68124	5190	4913	7207	0	Pass
3	68502	5293	4976	7166	0	Pass
4	68046	5231	4812	7347	0	Pass
5	68419	5285	4931	7455	0	Pass
6	68409	5331	5004	7252	0	Pass
7	68912	5299	5009	7352	0	Pass
8	68683	5436	4920	7340	0	Pass
9	67914	5111	4898	7370	0	Pass
10	68263	5290	5020	7345	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1135.110	5.982	0.000	0.000	Pass
2	1127.457	4.614	0.000	0.000	Pass
3	1133.759	5.281	0.000	0.000	Pass
4	1126.157	6.983	0.000	0.000	Pass
5	1132.376	5.899	0.000	0.000	Pass
6	1132.209	5.448	0.000	0.000	Pass
7	1140.595	4.831	0.000	0.000	Pass
8	1136.777	8.601	0.000	0.000	Pass
9	1123.956	3.547	0.000	0.000	Pass
10	1129.775	4.498	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 09:50:17  
 Results file name: 974J5017.VER  
 Inspection number:  
 Item id: BC8 201907  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 8.150 +- 0.000  
 Passive doubles bkgrnd: 0.006 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.947  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	652.094 +-	0.921
Doubles:	1.775 +-	0.236
Triples:	0.000 +-	0.000
Scaler 1:	47.650 +-	0.286
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	39665	1751	1653	2927	0	Pass
2	39781	1798	1665	2939	0	Pass
3	39551	1816	1658	2858	0	Pass
4	39707	1780	1667	2976	0	Pass
5	39295	1756	1610	2895	0	Pass
6	39847	1792	1683	2926	0	Pass
7	39609	1720	1724	2839	0	Pass
8	39434	1722	1639	2882	0	Pass
9	39754	1758	1650	3020	0	Pass
10	39461	1746	1622	2896	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	653.004	1.628	0.000	0.000	Pass
2	654.937	2.212	0.000	0.000	Pass
3	651.103	2.629	0.000	0.000	Pass
4	653.704	1.878	0.000	0.000	Pass
5	646.836	2.429	0.000	0.000	Pass
6	656.038	1.812	0.000	0.000	Pass
7	652.070	-0.072	0.000	0.000	Pass
8	649.153	1.378	0.000	0.000	Pass
9	654.487	1.795	0.000	0.000	Pass
10	649.603	2.062	0.000	0.000	Pass

(2)



INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 10:07:21  
 Results file name: 974K0721.VER  
 Inspection number:  
 Item id: BC9 201907  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 8.150 +- 0.000  
 Passive doubles bkgrnd: 0.006 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.947  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1262.659 +- 1.277  
 Doubles: 5.886 +- 0.662  
 Triples: 0.000 +- 0.000  
 Scaler 1: 32.611 +- 0.294  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	76231	6650	6103	2100	0	Pass
2	76212	6462	6059	1992	0	Pass
3	76389	6610	6074	1972	0	Pass
4	76415	6495	6318	2088	0	Pass
5	76235	6659	6301	1969	0	Pass
6	76124	6524	6177	1932	0	Pass
7	76591	6512	6299	1998	0	Pass
8	76430	6486	6244	1999	0	Pass
9	75838	6508	6103	2011	0	Pass
10	75865	6501	6197	2074	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1262.626	9.118	0.000	0.000	Pass
2	1262.309	6.716	0.000	0.000	Pass
3	1265.260	8.935	0.000	0.000	Pass
4	1265.694	2.947	0.000	0.000	Pass
5	1262.693	5.966	0.000	0.000	Pass
6	1260.842	5.782	0.000	0.000	Pass
7	1268.628	3.547	0.000	0.000	Pass
8	1265.944	4.031	0.000	0.000	Pass
9	1256.073	6.750	0.000	0.000	Pass
10	1256.524	5.065	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 10:23:26  
 Results file name: 974K2326.VER  
 Inspection number:  
 Item id: BC10 201907  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 8.150 +- 0.000  
 Passive doubles bkgrnd: 0.006 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.947  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1246.466 +- 0.923  
 Doubles: 5.872 +- 0.662  
 Triples: 0.000 +- 0.000  
 Scaler 1: 36.933 +- 0.236  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	75174	6301	6001	2277	0	Pass
2	75408	6390	6049	2268	0	Pass
3	74909	6363	5967	2338	0	Pass
4	75348	6496	6044	2213	0	Pass
5	75241	6385	5940	2330	0	Pass
6	75534	6425	5947	2210	0	Pass
7	75249	6498	6049	2298	0	Pass
8	75093	6464	6099	2302	0	Pass
9	75362	6348	6271	2248	0	Pass
10	75300	6278	6057	2244	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1245.002	4.998	0.000	0.000	Pass
2	1248.904	5.682	0.000	0.000	Pass
3	1240.584	6.600	0.000	0.000	Pass
4	1247.903	7.534	0.000	0.000	Pass
5	1246.119	7.417	0.000	0.000	Pass
6	1251.005	7.967	0.000	0.000	Pass
7	1246.253	7.484	0.000	0.000	Pass
8	1243.652	6.083	0.000	0.000	Pass
9	1248.137	1.279	0.000	0.000	Pass
10	1247.103	3.681	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 13:18:52  
 Results file name: 974N1852.VER  
 Inspection number:  
 Item id: BT1 201907  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 8.150 +- 0.000  
 Passive doubles bkgrnd: 0.006 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.947  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1478.744 +- 1.699  
 Doubles: 7.496 +- 0.723  
 Triples: 0.000 +- 0.000  
 Scaler 1: 2869.306 +- 2.370  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	89632	9048	8687	173038	0	Pass
2	89686	9162	8623	171766	0	Pass
3	89353	8907	8477	172311	0	Pass
4	89074	9034	8424	171996	0	Pass
5	88782	8779	8380	171841	0	Pass
6	89287	9067	8487	171747	0	Pass
7	88825	8849	8384	171915	0	Pass
8	88918	8905	8569	172530	0	Pass
9	89458	8911	8730	172213	0	Pass
10	89121	9109	8509	172795	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1485.717	6.011	0.000	0.000	Pass
2	1486.617	8.978	0.000	0.000	Pass
3	1481.067	7.161	0.000	0.000	Pass
4	1476.417	10.161	0.000	0.000	Pass
5	1471.550	6.644	0.000	0.000	Pass
6	1479.967	9.661	0.000	0.000	Pass
7	1472.267	7.744	0.000	0.000	Pass
8	1473.817	5.594	0.000	0.000	Pass
9	1482.817	3.011	0.000	0.000	Pass
10	1477.200	9.994	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 13:34:57  
 Results file name: 974N3457.VER  
 Inspection number:  
 Item id: BT2 201907  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 8.150 +- 0.000  
 Passive doubles bkgrnd: 0.006 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.947  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 3950.864 +- 2.303  
 Doubles: 64.028 +- 2.037  
 Triples: 0.000 +- 0.000  
 Scaler 1: 705.010 +- 1.057  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	236782	63420	59991	42139	0	Pass
2	237514	63805	59826	42672	0	Pass
3	237385	64066	60101	42246	0	Pass
4	237556	63862	60260	42512	0	Pass
5	237220	64067	59750	42474	0	Pass
6	237308	63609	60100	42120	0	Pass
7	237418	63607	60104	42509	0	Pass
8	237902	64264	60082	42133	0	Pass
9	238311	65131	60672	42253	0	Pass
10	238012	63825	60350	42516	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3938.217	57.144	0.000	0.000	Pass
2	3950.417	66.311	0.000	0.000	Pass
3	3948.267	66.078	0.000	0.000	Pass
4	3951.117	60.028	0.000	0.000	Pass
5	3945.517	71.944	0.000	0.000	Pass
6	3946.984	58.478	0.000	0.000	Pass
7	3948.817	58.378	0.000	0.000	Pass
8	3956.884	69.694	0.000	0.000	Pass
9	3963.700	74.311	0.000	0.000	Pass
10	3958.717	57.911	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 13:53:02  
 Results file name: 974N5302.VER  
 Inspection number:  
 Item id: BT3 201907  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 8.150 +- 0.000  
 Passive doubles bkgrnd: 0.006 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.947  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 54705.235 +- 9.757  
 Doubles: 11472.424 +- 33.240  
 Triples: 0.000 +- 0.000  
 Scaler 1: 175.428 +- 0.478  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	3284461	12202785	11511328	10591	0	Pass
2	3283059	12186866	11499988	10629	0	Pass
3	3284514	12195286	11505257	10406	0	Pass
4	3283150	12196703	11496298	10634	0	Pass
5	3281143	12174940	11488145	10562	0	Pass
6	3280439	12157494	11473880	10511	0	Pass
7	3284809	12197533	11507686	10746	0	Pass
8	3283983	12192721	11511756	10632	0	Pass
9	3279460	12153240	11473962	10589	0	Pass
10	3283013	12188592	11494402	10525	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	54732.867	11524.278	0.000	0.000	Pass
2	54709.500	11447.961	0.000	0.000	Pass
3	54733.750	11500.478	0.000	0.000	Pass
4	54711.017	11673.411	0.000	0.000	Pass
5	54677.567	11446.578	0.000	0.000	Pass
6	54665.834	11393.561	0.000	0.000	Pass
7	54738.667	11497.444	0.000	0.000	Pass
8	54724.900	11349.411	0.000	0.000	Pass
9	54649.517	11321.294	0.000	0.000	Pass
10	54708.734	11569.828	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 14:12:06  
 Results file name: 97401206.VER  
 Inspection number:  
 Item id: BT4 201907  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 8.150 +- 0.000  
 Passive doubles bkgrnd: 0.006 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.947  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 7084.774 +- 4.131  
 Doubles: 192.749 +- 4.716  
 Triples: 0.000 +- 0.000  
 Scaler 1: 59.168 +- 0.311  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	425695	205372	192678	3522	0	Pass
2	423913	203083	191272	3641	0	Pass
3	424867	203668	193304	3578	0	Pass
4	426068	204554	193026	3603	0	Pass
5	426572	205742	195373	3632	0	Pass
6	425618	205064	192914	3710	0	Pass
7	426289	205853	193606	3661	0	Pass
8	425211	204742	192100	3624	0	Pass
9	426148	204567	193964	3528	0	Pass
10	425373	204705	193460	3570	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7086.767	211.561	0.000	0.000	Pass
2	7057.067	196.844	0.000	0.000	Pass
3	7072.967	172.728	0.000	0.000	Pass
4	7092.984	192.128	0.000	0.000	Pass
5	7101.384	172.811	0.000	0.000	Pass
6	7085.484	202.494	0.000	0.000	Pass
7	7096.667	204.111	0.000	0.000	Pass
8	7078.700	210.694	0.000	0.000	Pass
9	7094.317	176.711	0.000	0.000	Pass
10	7081.400	187.411	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 14:28:11  
 Results file name: 97402811.VER  
 Inspection number:  
 Item id: BT5 201907  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 8.150 +- 0.000  
 Passive doubles bkgrnd: 0.006 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.947  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	2933.179 +-	1.222
Doubles:	32.386 +-	1.735
Triples:	0.000 +-	0.000
Scaler 1:	51.595 +-	0.221
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	176286	35086	33302	3147	0	Pass
2	176493	35265	33283	3113	0	Pass
3	176613	35285	33211	3196	0	Pass
4	176480	35463	33088	3178	0	Pass
5	176713	35479	33124	3165	0	Pass
6	176365	35097	33292	3141	0	Pass
7	176741	35331	33193	3093	0	Pass
8	176001	34979	32961	3101	0	Pass
9	176390	34859	33285	3168	0	Pass
10	176715	34890	33560	3223	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2929.950	29.728	0.000	0.000	Pass
2	2933.400	33.028	0.000	0.000	Pass
3	2935.400	34.561	0.000	0.000	Pass
4	2933.184	39.578	0.000	0.000	Pass
5	2937.067	39.244	0.000	0.000	Pass
6	2931.267	30.078	0.000	0.000	Pass
7	2937.534	35.628	0.000	0.000	Pass
8	2925.200	33.628	0.000	0.000	Pass
9	2931.684	26.228	0.000	0.000	Pass
10	2937.100	22.161	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 09:15:07  
 Results file name: 974J1507.VER  
 Inspection number:  
 Item id: BT6 201907  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 8.150 +- 0.000  
 Passive doubles bkgrnd: 0.006 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.947  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	927.997 +-	1.289
Doubles:	3.299 +-	0.400
Triples:	0.000 +-	0.000
Scaler 1:	74.426 +-	0.314
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	55826	3570	3311	4429	0	Pass
2	56291	3577	3335	4636	0	Pass
3	56495	3539	3419	4598	0	Pass
4	56065	3607	3350	4524	0	Pass
5	56201	3550	3278	4512	0	Pass
6	56087	3603	3350	4489	0	Pass
7	56117	3507	3472	4495	0	Pass
8	56270	3531	3370	4533	0	Pass
9	56534	3559	3375	4473	0	Pass
10	55802	3467	3267	4535	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	922.284	4.311	0.000	0.000	Pass
2	930.034	4.028	0.000	0.000	Pass
3	933.434	1.994	0.000	0.000	Pass
4	926.267	4.278	0.000	0.000	Pass
5	928.534	4.528	0.000	0.000	Pass
6	926.634	4.211	0.000	0.000	Pass
7	927.134	0.578	0.000	0.000	Pass
8	929.684	2.678	0.000	0.000	Pass
9	934.084	3.061	0.000	0.000	Pass
10	921.884	3.328	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 09:32:12  
 Results file name: 974J3212.VER  
 Inspection number:  
 Item id: BT7 201907  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 8.150 +- 0.000  
 Passive doubles bkgrnd: 0.006 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.947  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	1131.609 +-	1.611
Doubles:	5.564 +-	0.450
Triples:	0.000 +-	0.000
Scaler 1:	120.840 +-	0.464
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	68583	5355	4996	7238	0	Pass
2	68124	5190	4913	7207	0	Pass
3	68502	5293	4976	7166	0	Pass
4	68046	5231	4812	7347	0	Pass
5	68419	5285	4931	7455	0	Pass
6	68409	5331	5004	7252	0	Pass
7	68912	5299	5009	7352	0	Pass
8	68683	5436	4920	7340	0	Pass
9	67914	5111	4898	7370	0	Pass
10	68263	5290	5020	7345	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1134.900	5.978	0.000	0.000	Pass
2	1127.250	4.611	0.000	0.000	Pass
3	1133.550	5.278	0.000	0.000	Pass
4	1125.950	6.978	0.000	0.000	Pass
5	1132.167	5.894	0.000	0.000	Pass
6	1132.000	5.444	0.000	0.000	Pass
7	1140.384	4.828	0.000	0.000	Pass
8	1136.567	8.594	0.000	0.000	Pass
9	1123.750	3.544	0.000	0.000	Pass
10	1129.567	4.494	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 09:50:17  
 Results file name: 974J5017.VER  
 Inspection number:  
 Item id: BT8 201907  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 8.150 +- 0.000  
 Passive doubles bkgrnd: 0.006 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.947  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	652.024 +-	0.920
Doubles:	1.774 +-	0.236
Triples:	0.000 +-	0.000
Scaler 1:	47.650 +-	0.286
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	39665	1751	1653	2927	0	Pass
2	39781	1798	1665	2939	0	Pass
3	39551	1816	1658	2858	0	Pass
4	39707	1780	1667	2976	0	Pass
5	39295	1756	1610	2895	0	Pass
6	39847	1792	1683	2926	0	Pass
7	39609	1720	1724	2839	0	Pass
8	39434	1722	1639	2882	0	Pass
9	39754	1758	1650	3020	0	Pass
10	39461	1746	1622	2896	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	652.934	1.628	0.000	0.000	Pass
2	654.867	2.211	0.000	0.000	Pass
3	651.034	2.628	0.000	0.000	Pass
4	653.634	1.878	0.000	0.000	Pass
5	646.767	2.428	0.000	0.000	Pass
6	655.967	1.811	0.000	0.000	Pass
7	652.000	-0.072	0.000	0.000	Pass
8	649.084	1.378	0.000	0.000	Pass
9	654.417	1.794	0.000	0.000	Pass
10	649.534	2.061	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 10:07:21  
 Results file name: 974K0721.VER  
 Inspection number:  
 Item id: BT9 201907  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 8.150 +- 0.000  
 Passive doubles bkgrnd: 0.006 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.947  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	1262.400 +-	1.277
Doubles:	5.881 +-	0.661
Triples:	0.000 +-	0.000
Scaler 1:	32.611 +-	0.294
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	76231	6650	6103	2100	0	Pass
2	76212	6462	6059	1992	0	Pass
3	76389	6610	6074	1972	0	Pass
4	76415	6495	6318	2088	0	Pass
5	76235	6659	6301	1969	0	Pass
6	76124	6524	6177	1932	0	Pass
7	76591	6512	6299	1998	0	Pass
8	76430	6486	6244	1999	0	Pass
9	75838	6508	6103	2011	0	Pass
10	75865	6501	6197	2074	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1262.367	9.111	0.000	0.000	Pass
2	1262.050	6.711	0.000	0.000	Pass
3	1265.000	8.928	0.000	0.000	Pass
4	1265.434	2.944	0.000	0.000	Pass
5	1262.434	5.961	0.000	0.000	Pass
6	1260.584	5.778	0.000	0.000	Pass
7	1268.367	3.544	0.000	0.000	Pass
8	1265.684	4.028	0.000	0.000	Pass
9	1255.817	6.744	0.000	0.000	Pass
10	1256.267	5.061	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 10:23:26  
 Results file name: 974K2326.VER  
 Inspection number:  
 Item id: BT10 201907  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 8.150 +- 0.000  
 Passive doubles bkgrnd: 0.006 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.947  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	1246.214 +-	0.922
Doubles:	5.868 +-	0.661
Triples:	0.000 +-	0.000
Scaler 1:	36.933 +-	0.236
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	75174	6301	6001	2277	0	Pass
2	75408	6390	6049	2268	0	Pass
3	74909	6363	5967	2338	0	Pass
4	75348	6496	6044	2213	0	Pass
5	75241	6385	5940	2330	0	Pass
6	75534	6425	5947	2210	0	Pass
7	75249	6498	6049	2298	0	Pass
8	75093	6464	6099	2302	0	Pass
9	75362	6348	6271	2248	0	Pass
10	75300	6278	6057	2244	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1244.750	4.994	0.000	0.000	Pass
2	1248.650	5.678	0.000	0.000	Pass
3	1240.334	6.594	0.000	0.000	Pass
4	1247.650	7.528	0.000	0.000	Pass
5	1245.867	7.411	0.000	0.000	Pass
6	1250.750	7.961	0.000	0.000	Pass
7	1246.000	7.478	0.000	0.000	Pass
8	1243.400	6.078	0.000	0.000	Pass
9	1247.884	1.278	0.000	0.000	Pass
10	1246.850	3.678	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 13:18:55  
 Results file name: 974N1855.VER  
 Inspection number:  
 Item id: PB1 201907  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 10.262 +- 0.000  
 Passive doubles bkgrnd: 0.002 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.144  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1187.185 +- 1.499  
 Doubles: 4.641 +- 0.429  
 Triples: 0.000 +- 0.000  
 Scaler 1: 56.407 +- 0.397  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	71395	5744	5436	3509	0	Pass
2	71544	5668	5449	3559	0	Pass
3	71896	5832	5463	3510	0	Pass
4	72368	5791	5554	3435	0	Pass
5	72042	5788	5632	3518	0	Pass
6	71913	5812	5449	3457	0	Pass
7	71776	5831	5509	3429	0	Pass
8	71884	5861	5521	3424	0	Pass
9	72058	5788	5635	3299	0	Pass
10	71592	5785	5466	3391	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1179.655	5.131	0.000	0.000	Pass
2	1182.138	3.648	0.000	0.000	Pass
3	1188.005	6.148	0.000	0.000	Pass
4	1195.871	3.948	0.000	0.000	Pass
5	1190.438	2.598	0.000	0.000	Pass
6	1188.288	6.048	0.000	0.000	Pass
7	1186.005	5.364	0.000	0.000	Pass
8	1187.805	5.664	0.000	0.000	Pass
9	1190.705	2.548	0.000	0.000	Pass
10	1182.938	5.314	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 13:35:00  
 Results file name: 974N3500.VER  
 Inspection number:  
 Item id: PB2 201907  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 10.262 +- 0.000  
 Passive doubles bkgrnd: 0.002 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.144  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1455.696 +- 1.414  
 Doubles: 7.259 +- 0.833  
 Triples: 0.000 +- 0.000  
 Scaler 1: 49.716 +- 0.165  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	87826	8715	8195	3050	0	Pass
2	88243	8747	8154	3075	0	Pass
3	87494	8587	8321	3059	0	Pass
4	87899	8663	8314	3024	0	Pass
5	87890	8881	8174	3053	0	Pass
6	87783	8590	8288	3084	0	Pass
7	87754	8713	8132	2977	0	Pass
8	88214	8638	8202	3069	0	Pass
9	88107	8659	8420	3050	0	Pass
10	88365	8685	8321	3075	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1453.505	8.664	0.000	0.000	Pass
2	1460.455	9.881	0.000	0.000	Pass
3	1447.971	4.431	0.000	0.000	Pass
4	1454.721	5.814	0.000	0.000	Pass
5	1454.571	11.781	0.000	0.000	Pass
6	1452.788	5.031	0.000	0.000	Pass
7	1452.305	9.681	0.000	0.000	Pass
8	1459.971	7.264	0.000	0.000	Pass
9	1458.188	3.981	0.000	0.000	Pass
10	1462.488	6.064	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 13:53:05  
 Results file name: 974N5305.VER  
 Inspection number:  
 Item id: PB3 201907  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 10.262 +- 0.000  
 Passive doubles bkgrnd: 0.002 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.144  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 782.125 +- 0.725  
 Doubles: 2.043 +- 0.238  
 Triples: 0.000 +- 0.000  
 Scaler 1: 63.379 +- 0.325  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	47587	2457	2421	3897	0	Pass
2	47665	2585	2461	3896	0	Pass
3	47824	2530	2395	3826	0	Pass
4	47564	2500	2296	3948	0	Pass
5	47479	2559	2447	3824	0	Pass
6	47567	2526	2396	3929	0	Pass
7	47393	2461	2338	3890	0	Pass
8	47546	2571	2496	3834	0	Pass
9	47340	2458	2295	3748	0	Pass
10	47467	2501	2376	3922	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	782.855	0.598	0.000	0.000	Pass
2	784.155	2.064	0.000	0.000	Pass
3	786.805	2.248	0.000	0.000	Pass
4	782.471	3.398	0.000	0.000	Pass
5	781.055	1.864	0.000	0.000	Pass
6	782.521	2.164	0.000	0.000	Pass
7	779.621	2.048	0.000	0.000	Pass
8	782.171	1.248	0.000	0.000	Pass
9	778.738	2.714	0.000	0.000	Pass
10	780.855	2.081	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 14:12:09  
 Results file name: 97401209.VER  
 Inspection number:  
 Item id: PB4 201907  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 10.262 +- 0.000  
 Passive doubles bkgrnd: 0.002 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.144  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1657.993 +- 1.276  
 Doubles: 11.164 +- 0.868  
 Triples: 0.000 +- 0.000  
 Scaler 1: 274.469 +- 0.569  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	100401	11336	10514	16564	0	Pass
2	100266	11432	10748	16760	0	Pass
3	100016	11191	10884	16519	0	Pass
4	100158	11298	10755	16384	0	Pass
5	100228	11411	10624	16565	0	Pass
6	100301	11356	10743	16466	0	Pass
7	100050	11436	10569	16490	0	Pass
8	100111	11298	10708	16493	0	Pass
9	99848	11253	10513	16662	0	Pass
10	99574	11203	10456	16465	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1663.088	13.698	0.000	0.000	Pass
2	1660.838	11.398	0.000	0.000	Pass
3	1656.671	5.114	0.000	0.000	Pass
4	1659.038	9.048	0.000	0.000	Pass
5	1660.205	13.114	0.000	0.000	Pass
6	1661.421	10.214	0.000	0.000	Pass
7	1657.238	14.448	0.000	0.000	Pass
8	1658.255	9.831	0.000	0.000	Pass
9	1653.871	12.331	0.000	0.000	Pass
10	1649.305	12.448	0.000	0.000	Pass

(2)



INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 14:28:14  
 Results file name: 97402814.VER  
 Inspection number:  
 Item id: PBS 201907  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 10.262 +- 0.000  
 Passive doubles bkgrnd: 0.002 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.144  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1482.638 +- 1.226  
 Doubles: 8.851 +- 0.390  
 Triples: 0.000 +- 0.000  
 Scaler 1: 147.972 +- 0.315  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	89783	9063	8432	8865	0	Pass
2	89698	9061	8569	8920	0	Pass
3	89768	9008	8586	8999	0	Pass
4	89812	9092	8517	8960	0	Pass
5	89389	8999	8528	8829	0	Pass
6	89422	9066	8428	8997	0	Pass
7	89078	8815	8217	8946	0	Pass
8	89709	9034	8541	8964	0	Pass
9	89611	9015	8504	9010	0	Pass
10	89470	8948	8467	8980	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1486.121	10.514	0.000	0.000	Pass
2	1484.705	8.198	0.000	0.000	Pass
3	1485.871	7.031	0.000	0.000	Pass
4	1486.605	9.581	0.000	0.000	Pass
5	1479.555	7.848	0.000	0.000	Pass
6	1480.105	10.631	0.000	0.000	Pass
7	1474.371	9.964	0.000	0.000	Pass
8	1484.888	8.214	0.000	0.000	Pass
9	1483.255	8.514	0.000	0.000	Pass
10	1480.905	8.014	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 09:15:07  
 Results file name: 974J1507.VER  
 Inspection number:  
 Item id: PB6 201907  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 10.262 +- 0.000  
 Passive doubles bkgrnd: 0.002 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.144  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 2009.066 +- 1.122  
 Doubles: 16.889 +- 0.811  
 Triples: 0.000 +- 0.000  
 Scaler 1: 73.377 +- 0.477  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	120845	16550	15526	4502	0	Pass
2	121368	16718	15616	4395	0	Pass
3	121276	16692	15598	4457	0	Pass
4	121074	16573	15514	4586	0	Pass
5	121007	16403	15619	4462	0	Pass
6	120897	16596	15513	4524	0	Pass
7	121339	16475	15780	4289	0	Pass
8	121504	16700	15530	4578	0	Pass
9	121166	16573	15577	4514	0	Pass
10	121121	16575	15447	4406	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2003.821	17.064	0.000	0.000	Pass
2	2012.538	18.364	0.000	0.000	Pass
3	2011.005	18.231	0.000	0.000	Pass
4	2007.638	17.648	0.000	0.000	Pass
5	2006.521	13.064	0.000	0.000	Pass
6	2004.688	18.048	0.000	0.000	Pass
7	2012.055	11.581	0.000	0.000	Pass
8	2014.805	19.498	0.000	0.000	Pass
9	2009.171	16.598	0.000	0.000	Pass
10	2008.421	18.798	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 09:32:12  
 Results file name: 974J3212.VER  
 Inspection number:  
 Item id: PB7 201907  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 10.262 +- 0.000  
 Passive doubles bkgrnd: 0.002 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.144  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	5153.613 +-	3.451
Doubles:	103.471 +-	1.819
Triples:	0.000 +-	0.000
Scaler 1:	117.009 +-	0.409
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	310346	109452	103131	7116	0	Pass
2	308676	107624	100997	7132	0	Pass
3	311143	109423	103367	7159	0	Pass
4	309700	108551	102385	7029	0	Pass
5	309609	108365	102642	6896	0	Pass
6	309988	109257	102521	7123	0	Pass
7	310056	108747	102980	7090	0	Pass
8	309247	107942	102017	7091	0	Pass
9	309622	108146	101836	7158	0	Pass
10	309938	109248	102795	7098	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	5162.171	105.348	0.000	0.000	Pass
2	5134.338	110.448	0.000	0.000	Pass
3	5175.455	100.931	0.000	0.000	Pass
4	5151.405	102.764	0.000	0.000	Pass
5	5149.888	95.381	0.000	0.000	Pass
6	5156.205	112.264	0.000	0.000	Pass
7	5157.338	96.114	0.000	0.000	Pass
8	5143.855	98.748	0.000	0.000	Pass
9	5150.105	105.164	0.000	0.000	Pass
10	5155.371	107.548	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 09:51:17  
 Results file name: 974J5117.VER  
 Inspection number:  
 Item id: PB8 201907  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 10.262 +- 0.000  
 Passive doubles bkgrnd: 0.002 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.144  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	44852.978 +-	9.999
Doubles:	7629.114 +-	16.258
Triples:	0.000 +-	0.000
Scaler 1:	363.922 +-	0.505
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2690244	8178765	7717572	21841	0	Pass
2	2691585	8187058	7725562	21894	0	Pass
3	2690816	8179540	7723640	21715	0	Pass
4	2693643	8195591	7742436	21931	0	Pass
5	2690582	8182483	7724695	21949	0	Pass
6	2690573	8178807	7721356	22009	0	Pass
7	2694623	8197839	7744992	21995	0	Pass
8	2695031	8211666	7752770	21818	0	Pass
9	2689992	8171378	7713508	21873	0	Pass
10	2690855	8184578	7723704	22015	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	44827.138	7686.548	0.000	0.000	Pass
2	44849.488	7691.598	0.000	0.000	Pass
3	44836.671	7598.331	0.000	0.000	Pass
4	44883.788	7552.581	0.000	0.000	Pass
5	44832.771	7629.798	0.000	0.000	Pass
6	44832.621	7624.181	0.000	0.000	Pass
7	44900.121	7547.448	0.000	0.000	Pass
8	44906.921	7648.264	0.000	0.000	Pass
9	44822.938	7631.164	0.000	0.000	Pass
10	44837.321	7681.231	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 10:07:21  
 Results file name: 974K0721.VER  
 Inspection number:  
 Item id: PB9 201907  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 10.262 +- 0.000  
 Passive doubles bkgrnd: 0.002 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.144  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 8570.140 +- 3.524  
 Doubles: 282.039 +- 5.443  
 Triples: 0.000 +- 0.000  
 Scaler 1: 1215.764 +- 2.125  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	515451	299576	284209	72884	0	Pass
2	515272	300578	282862	72890	0	Pass
3	515166	300192	283942	73056	0	Pass
4	514471	300284	281150	73464	0	Pass
5	514591	299229	282095	73054	0	Pass
6	515056	300203	283473	72523	0	Pass
7	513538	298496	281181	73561	0	Pass
8	514317	298240	281589	72800	0	Pass
9	514518	299651	282698	73519	0	Pass
10	515861	299730	283755	72394	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	8580.588	256.114	0.000	0.000	Pass
2	8577.605	295.264	0.000	0.000	Pass
3	8575.838	270.831	0.000	0.000	Pass
4	8564.255	318.898	0.000	0.000	Pass
5	8566.255	285.564	0.000	0.000	Pass
6	8574.005	278.831	0.000	0.000	Pass
7	8548.705	288.581	0.000	0.000	Pass
8	8561.688	277.514	0.000	0.000	Pass
9	8565.038	282.548	0.000	0.000	Pass
10	8587.421	266.248	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 10:23:25  
 Results file name: 974K2325.VER  
 Inspection number:  
 Item id: PB10 201907  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 10.262 +- 0.000  
 Passive doubles bkgrnd: 0.002 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.144  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 3627.881 +- 2.000  
 Doubles: 50.448 +- 1.431  
 Triples: 0.000 +- 0.000  
 Scaler 1: 2764.084 +- 1.623  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	219185	54252	51490	165854	0	Pass
2	218309	53721	50616	165927	0	Pass
3	218204	53580	50688	165339	0	Pass
4	217860	53850	50359	165879	0	Pass
5	218078	53535	50862	166209	0	Pass
6	217895	53570	50693	166148	0	Pass
7	218344	53721	50869	166035	0	Pass
8	218539	54137	51045	166390	0	Pass
9	218111	53387	50296	165569	0	Pass
10	218361	53802	50367	165787	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3642.821	46.031	0.000	0.000	Pass
2	3628.221	51.748	0.000	0.000	Pass
3	3626.471	48.198	0.000	0.000	Pass
4	3620.738	58.181	0.000	0.000	Pass
5	3624.371	44.548	0.000	0.000	Pass
6	3621.321	47.948	0.000	0.000	Pass
7	3628.805	47.531	0.000	0.000	Pass
8	3632.055	51.531	0.000	0.000	Pass
9	3624.921	51.514	0.000	0.000	Pass
10	3629.088	57.248	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 13:18:55  
 Results file name: 974N1855.VER  
 Inspection number:  
 Item id: PC1 201907  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 10.262 +- 0.000  
 Passive doubles bkgrnd: 0.002 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.144  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1187.309 +- 1.500  
 Doubles: 4.643 +- 0.429  
 Triples: 0.000 +- 0.000  
 Scaler 1: 56.407 +- 0.397  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	71395	5744	5436	3509	0	Pass
2	71544	5668	5449	3559	0	Pass
3	71896	5832	5463	3510	0	Pass
4	72368	5791	5554	3435	0	Pass
5	72042	5788	5632	3518	0	Pass
6	71913	5812	5449	3457	0	Pass
7	71776	5831	5509	3429	0	Pass
8	71884	5861	5521	3424	0	Pass
9	72058	5788	5635	3299	0	Pass
10	71592	5785	5466	3391	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1179.777	5.133	0.000	0.000	Pass
2	1182.261	3.649	0.000	0.000	Pass
3	1188.129	6.150	0.000	0.000	Pass
4	1195.997	3.949	0.000	0.000	Pass
5	1190.563	2.599	0.000	0.000	Pass
6	1188.412	6.050	0.000	0.000	Pass
7	1186.128	5.367	0.000	0.000	Pass
8	1187.929	5.667	0.000	0.000	Pass
9	1190.829	2.549	0.000	0.000	Pass
10	1183.061	5.317	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 13:35:00  
 Results file name: 974N3500.VER  
 Inspection number:  
 Item id: PC2 201907  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 10.262 +- 0.000  
 Passive doubles bkgrnd: 0.002 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.144  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1455.882 +- 1.414  
 Doubles: 7.263 +- 0.833  
 Triples: 0.000 +- 0.000  
 Scaler 1: 49.716 +- 0.165  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	87826	8715	8195	3050	0	Pass
2	88243	8747	8154	3075	0	Pass
3	87494	8587	8321	3059	0	Pass
4	87899	8663	8314	3024	0	Pass
5	87890	8881	8174	3053	0	Pass
6	87783	8590	8288	3084	0	Pass
7	87754	8713	8132	2977	0	Pass
8	88214	8638	8202	3069	0	Pass
9	88107	8659	8420	3050	0	Pass
10	88365	8685	8321	3075	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1453.690	8.669	0.000	0.000	Pass
2	1460.642	9.886	0.000	0.000	Pass
3	1448.155	4.433	0.000	0.000	Pass
4	1454.907	5.817	0.000	0.000	Pass
5	1454.757	11.787	0.000	0.000	Pass
6	1452.973	5.034	0.000	0.000	Pass
7	1452.490	9.686	0.000	0.000	Pass
8	1460.158	7.268	0.000	0.000	Pass
9	1458.374	3.983	0.000	0.000	Pass
10	1462.676	6.067	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 13:53:05  
 Results file name: 974N5305.VER  
 Inspection number:  
 Item id: PC3 201907  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 10.262 +- 0.000  
 Passive doubles bkgrnd: 0.002 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.144  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	782.179 +-	0.725
Doubles:	2.043 +-	0.238
Triples:	0.000 +-	0.000
Scaler 1:	63.379 +-	0.325
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	47587	2457	2421	3897	0	Pass
2	47665	2585	2461	3896	0	Pass
3	47824	2530	2395	3826	0	Pass
4	47564	2500	2296	3948	0	Pass
5	47479	2559	2447	3824	0	Pass
6	47567	2526	2396	3929	0	Pass
7	47393	2461	2338	3890	0	Pass
8	47546	2571	2496	3834	0	Pass
9	47340	2458	2295	3748	0	Pass
10	47467	2501	2376	3922	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	782.909	0.598	0.000	0.000	Pass
2	784.209	2.065	0.000	0.000	Pass
3	786.860	2.248	0.000	0.000	Pass
4	782.526	3.399	0.000	0.000	Pass
5	781.109	1.865	0.000	0.000	Pass
6	782.576	2.165	0.000	0.000	Pass
7	779.675	2.048	0.000	0.000	Pass
8	782.226	1.248	0.000	0.000	Pass
9	778.792	2.715	0.000	0.000	Pass
10	780.909	2.082	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 14:12:09  
 Results file name: 97401209.VER  
 Inspection number:  
 Item id: PC4 201907  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 10.262 +- 0.000  
 Passive doubles bkgrnd: 0.002 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.144  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	1658.234 +-	1.277
Doubles:	11.171 +-	0.869
Triples:	0.000 +-	0.000
Scaler 1:	274.469 +-	0.569
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	100401	11336	10514	16564	0	Pass
2	100266	11432	10748	16760	0	Pass
3	100016	11191	10884	16519	0	Pass
4	100158	11298	10755	16384	0	Pass
5	100228	11411	10624	16565	0	Pass
6	100301	11356	10743	16466	0	Pass
7	100050	11436	10569	16490	0	Pass
8	100111	11298	10708	16493	0	Pass
9	99848	11253	10513	16662	0	Pass
10	99574	11203	10456	16465	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1663.330	13.706	0.000	0.000	Pass
2	1661.079	11.404	0.000	0.000	Pass
3	1656.912	5.117	0.000	0.000	Pass
4	1659.279	9.053	0.000	0.000	Pass
5	1660.446	13.122	0.000	0.000	Pass
6	1661.663	10.220	0.000	0.000	Pass
7	1657.478	14.456	0.000	0.000	Pass
8	1658.495	9.837	0.000	0.000	Pass
9	1654.111	12.338	0.000	0.000	Pass
10	1649.543	12.455	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 14:28:14  
 Results file name: 97402814.VER  
 Inspection number:  
 Item id: PCS 201907  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 10.262 +- 0.000  
 Passive doubles bkgrnd: 0.002 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.144  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1482.831 +- 1.226  
 Doubles: 8.856 +- 0.390  
 Triples: 0.000 +- 0.000  
 Scaler 1: 147.972 +- 0.315  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	89783	9063	8432	8865	0	Pass
2	89698	9061	8569	8920	0	Pass
3	89768	9008	8586	8999	0	Pass
4	89812	9092	8517	8960	0	Pass
5	89389	8999	8528	8829	0	Pass
6	89422	9066	8428	8997	0	Pass
7	89078	8815	8217	8946	0	Pass
8	89709	9034	8541	8964	0	Pass
9	89611	9015	8504	9010	0	Pass
10	89470	8948	8467	8980	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1486.315	10.520	0.000	0.000	Pass
2	1484.898	8.202	0.000	0.000	Pass
3	1486.065	7.035	0.000	0.000	Pass
4	1486.798	9.586	0.000	0.000	Pass
5	1479.747	7.852	0.000	0.000	Pass
6	1480.297	10.636	0.000	0.000	Pass
7	1474.562	9.969	0.000	0.000	Pass
8	1485.081	8.219	0.000	0.000	Pass
9	1483.448	8.519	0.000	0.000	Pass
10	1481.097	8.018	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 09:15:07  
 Results file name: 974J1507.VER  
 Inspection number:  
 Item id: PC6 201907  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 10.262 +- 0.000  
 Passive doubles bkgrnd: 0.002 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.144  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 2009.419 +- 1.122  
 Doubles: 16.901 +- 0.812  
 Triples: 0.000 +- 0.000  
 Scaler 1: 73.377 +- 0.477  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	120845	16550	15526	4502	0	Pass
2	121368	16718	15616	4395	0	Pass
3	121276	16692	15598	4457	0	Pass
4	121074	16573	15514	4586	0	Pass
5	121007	16403	15619	4462	0	Pass
6	120897	16596	15513	4524	0	Pass
7	121339	16475	15780	4289	0	Pass
8	121504	16700	15530	4578	0	Pass
9	121166	16573	15577	4514	0	Pass
10	121121	16575	15447	4406	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2004.172	17.076	0.000	0.000	Pass
2	2012.892	18.377	0.000	0.000	Pass
3	2011.358	18.244	0.000	0.000	Pass
4	2007.990	17.660	0.000	0.000	Pass
5	2006.873	13.073	0.000	0.000	Pass
6	2005.039	18.060	0.000	0.000	Pass
7	2012.408	11.589	0.000	0.000	Pass
8	2015.159	19.511	0.000	0.000	Pass
9	2009.524	16.609	0.000	0.000	Pass
10	2008.774	18.811	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: JSR\_03  
Detector id: JSR\_03  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.07.04 09:32:12  
Results file name: 974J3212.VER  
Inspection number:  
Item id: PC7 201907  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.07.04  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.07.04

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1620  
Multiplicity deadtime: 86.5000  
Coefficient A deadtime: 0.3458  
Coefficient B deadtime: 0.0299  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 10.262 +- 0.000  
Passive doubles bkgrnd: 0.002 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 1.144  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 5155.920 +- 3.454  
Doubles: 103.656 +- 1.822  
Triples: 0.000 +- 0.000  
Scaler 1: 117.009 +- 0.409  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	310346	109452	103131	7116	0	Pass
2	308676	107624	100997	7132	0	Pass
3	311143	109423	103367	7159	0	Pass
4	309700	108551	102385	7029	0	Pass
5	309609	108365	102642	6896	0	Pass
6	309988	109257	102521	7123	0	Pass
7	310056	108747	102980	7090	0	Pass
8	309247	107942	102017	7091	0	Pass
9	309622	108146	101836	7158	0	Pass
10	309938	109248	102795	7098	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	5164.486	105.536	0.000	0.000	Pass
2	5136.628	110.644	0.000	0.000	Pass
3	5177.781	101.112	0.000	0.000	Pass
4	5153.709	102.948	0.000	0.000	Pass
5	5152.191	95.551	0.000	0.000	Pass
6	5158.514	112.465	0.000	0.000	Pass
7	5159.648	96.286	0.000	0.000	Pass
8	5146.153	98.924	0.000	0.000	Pass
9	5152.408	105.352	0.000	0.000	Pass
10	5157.680	107.740	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: JSR\_03  
Detector id: JSR\_03  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.07.04 09:51:17  
Results file name: 974J5117.VER  
Inspection number:  
Item id: PC8 201907  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.07.04  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.07.04

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1620  
Multiplicity deadtime: 86.5000  
Coefficient A deadtime: 0.3458  
Coefficient B deadtime: 0.0299  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 10.262 +- 0.000  
Passive doubles bkgrnd: 0.002 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 1.144  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 45027.992 +- 10.077  
Doubles: 7748.859 +- 16.500  
Triples: 0.000 +- 0.000  
Scaler 1: 363.922 +- 0.505  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2690244	8178765	7717572	21841	0	Pass
2	2691585	8187058	7725562	21894	0	Pass
3	2690816	8179540	7723640	21715	0	Pass
4	2693643	8195591	7742436	21931	0	Pass
5	2690582	8182483	7724695	21949	0	Pass
6	2690573	8178807	7721356	22009	0	Pass
7	2694623	8197839	7744992	21995	0	Pass
8	2695031	8211666	7752770	21818	0	Pass
9	2689992	8171378	7713508	21873	0	Pass
10	2690855	8184578	7723704	22015	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	45001.950	7807.124	0.000	0.000	Pass
2	45024.475	7812.314	0.000	0.000	Pass
3	45011.558	7717.549	0.000	0.000	Pass
4	45059.043	7671.207	0.000	0.000	Pass
5	45007.628	7749.499	0.000	0.000	Pass
6	45007.476	7743.794	0.000	0.000	Pass
7	45075.505	7666.037	0.000	0.000	Pass
8	45082.358	7768.456	0.000	0.000	Pass
9	44997.717	7750.860	0.000	0.000	Pass
10	45012.213	7801.751	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX
Material balance area: JM2G
Detector type: JSR\_03
Detector id: JSR\_03
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 19.07.04 10:07:21
Results file name: 974K0721.VER
Inspection number:
Item id: PC9 201907
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: CO
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 19.07.04
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 19.07.04

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.1620
Multiplicity deadtime: 86.5000
Coefficient A deadtime: 0.3458
Coefficient B deadtime: 0.0299
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 10.262 +- 0.000
Passive doubles bkgrnd: 0.002 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 1.144
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 8576.512 +- 3.529
Doubles: 282.878 +- 5.459
Triples: 0.000 +- 0.000
Scaler 1: 1215.764 +- 2.125
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Passive cycle rate data

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-10 showing cycle rate data.

(2)

INCC 5.1.2

Facility: JMOX
Material balance area: JM2G
Detector type: JSR\_03
Detector id: JSR\_03
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 19.07.04 10:23:25
Results file name: 974K2325.VER
Inspection number:
Item id: PC10 201907
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: CO
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 19.07.04
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 19.07.04

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.1620
Multiplicity deadtime: 86.5000
Coefficient A deadtime: 0.3458
Coefficient B deadtime: 0.0299
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 10.262 +- 0.000
Passive doubles bkgrnd: 0.002 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 1.144
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 3629.026 +- 2.002
Doubles: 50.511 +- 1.432
Triples: 0.000 +- 0.000
Scaler 1: 2764.084 +- 1.623
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Passive cycle rate data

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-10 showing cycle rate data.

(2)



INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 13:18:52  
 Results file name: 974N1852.VER  
 Inspection number:  
 Item id: PT1 201907  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.825 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.518  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	44.162 +-	0.267
Doubles:	-0.005 +-	0.020
Triples:	0.000 +-	0.000
Scaler 1:	109.145 +-	0.444
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2716	2	4	6696	0	Pass
2	2681	8	7	6749	0	Pass
3	2653	11	6	6623	0	Pass
4	2630	8	9	6677	0	Pass
5	2699	6	9	6572	0	Pass
6	2748	10	7	6572	0	Pass
7	2694	3	10	6686	0	Pass
8	2806	4	8	6466	0	Pass
9	2659	10	7	6714	0	Pass
10	2706	9	7	6643	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	44.442	-0.033	0.000	0.000	Pass
2	43.858	0.017	0.000	0.000	Pass
3	43.392	0.083	0.000	0.000	Pass
4	43.008	-0.017	0.000	0.000	Pass
5	44.158	-0.050	0.000	0.000	Pass
6	44.975	0.050	0.000	0.000	Pass
7	44.075	-0.117	0.000	0.000	Pass
8	45.942	-0.067	0.000	0.000	Pass
9	43.492	0.050	0.000	0.000	Pass
10	44.275	0.033	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 13:34:57  
 Results file name: 974N3457.VER  
 Inspection number:  
 Item id: PT2 201907  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.825 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.518  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	67.165 +-	0.182
Doubles:	0.017 +-	0.031
Triples:	0.000 +-	0.000
Scaler 1:	187.185 +-	0.570
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	4061	21	24	11468	0	Pass
2	4017	23	23	11382	0	Pass
3	4051	21	23	11380	0	Pass
4	4101	21	15	11268	0	Pass
5	4091	15	21	11175	0	Pass
6	4079	23	11	11360	0	Pass
7	4149	24	25	11372	0	Pass
8	4090	21	14	11221	0	Pass
9	4068	15	12	11434	0	Pass
10	4087	14	20	11162	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	66.858	-0.050	0.000	0.000	Pass
2	66.125	0.000	0.000	0.000	Pass
3	66.692	-0.033	0.000	0.000	Pass
4	67.525	0.100	0.000	0.000	Pass
5	67.358	-0.100	0.000	0.000	Pass
6	67.158	0.200	0.000	0.000	Pass
7	68.325	-0.017	0.000	0.000	Pass
8	67.342	0.117	0.000	0.000	Pass
9	66.975	0.050	0.000	0.000	Pass
10	67.292	-0.100	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 13:53:01  
 Results file name: 974N5301.VER  
 Inspection number:  
 Item id: PT3 201907  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.825 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.518  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	254.065 +-	0.576
Doubles:	0.375 +-	0.124
Triples:	0.000 +-	0.000
Scaler 1:	59.673 +-	0.287
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	15288	277	249	3692	0	Pass
2	15251	247	256	3648	0	Pass
3	15337	270	227	3694	0	Pass
4	15326	269	219	3766	0	Pass
5	15141	254	248	3732	0	Pass
6	15481	288	234	3688	0	Pass
7	15247	280	242	3644	0	Pass
8	15196	248	252	3577	0	Pass
9	15212	249	229	3624	0	Pass
10	15455	277	278	3650	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	253.975	0.467	0.000	0.000	Pass
2	253.358	-0.150	0.000	0.000	Pass
3	254.792	0.717	0.000	0.000	Pass
4	254.608	0.833	0.000	0.000	Pass
5	251.525	0.100	0.000	0.000	Pass
6	257.192	0.900	0.000	0.000	Pass
7	253.292	0.633	0.000	0.000	Pass
8	252.442	-0.067	0.000	0.000	Pass
9	252.708	0.333	0.000	0.000	Pass
10	256.758	-0.017	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 14:12:06  
 Results file name: 97401206.VER  
 Inspection number:  
 Item id: PT4 201907  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.825 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.518  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	983.370 +-	1.063
Doubles:	2.868 +-	0.360
Triples:	0.000 +-	0.000
Scaler 1:	48.223 +-	0.266
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	59067	3902	3797	2954	0	Pass
2	58740	3796	3634	3056	0	Pass
3	58925	3859	3768	3023	0	Pass
4	59123	3902	3651	2921	0	Pass
5	58878	3855	3771	2953	0	Pass
6	59408	3910	3684	2955	0	Pass
7	59149	3931	3655	2950	0	Pass
8	58846	3869	3703	2961	0	Pass
9	59176	3917	3775	3001	0	Pass
10	59205	3957	3739	3071	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	983.625	1.750	0.000	0.000	Pass
2	978.175	2.700	0.000	0.000	Pass
3	981.258	1.517	0.000	0.000	Pass
4	984.558	4.183	0.000	0.000	Pass
5	980.475	1.400	0.000	0.000	Pass
6	989.308	3.767	0.000	0.000	Pass
7	984.992	4.600	0.000	0.000	Pass
8	979.942	2.767	0.000	0.000	Pass
9	985.442	2.367	0.000	0.000	Pass
10	985.925	3.633	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 14:28:10  
 Results file name: 97402810.VER  
 Inspection number:  
 Item id: PT5 201907  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.825 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.518  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 2995.808 +- 2.890  
 Doubles: 33.628 +- 1.387  
 Triples: 0.000 +- 0.000  
 Scaler 1: 51.607 +- 0.216  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	180015	36589	34556	3244	0	Pass
2	179981	36636	34465	3153	0	Pass
3	180929	36902	34802	3155	0	Pass
4	179977	36420	34707	3192	0	Pass
5	179148	36275	33977	3163	0	Pass
6	180191	36652	34509	3187	0	Pass
7	179749	36284	33911	3194	0	Pass
8	179553	36077	34568	3192	0	Pass
9	179260	36069	34134	3264	0	Pass
10	179177	36003	34101	3131	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2999.425	33.883	0.000	0.000	Pass
2	2998.858	36.183	0.000	0.000	Pass
3	3014.658	35.000	0.000	0.000	Pass
4	2998.792	28.550	0.000	0.000	Pass
5	2984.975	38.300	0.000	0.000	Pass
6	3002.358	35.717	0.000	0.000	Pass
7	2994.992	39.550	0.000	0.000	Pass
8	2991.725	25.150	0.000	0.000	Pass
9	2986.842	32.250	0.000	0.000	Pass
10	2985.458	31.700	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 09:14:59  
 Results file name: 974J1459.VER  
 Inspection number:  
 Item id: PT6 201907  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.825 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.518  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 37.950 +- 0.290  
 Doubles: -0.008 +- 0.018  
 Triples: 0.000 +- 0.000  
 Scaler 1: 2574.600 +- 1.355  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2343	6	8	154090	0	Pass
2	2327	6	12	154627	0	Pass
3	2282	3	6	154968	0	Pass
4	2261	3	3	154799	0	Pass
5	2418	5	7	154478	0	Pass
6	2336	9	7	154790	0	Pass
7	2326	4	7	154529	0	Pass
8	2414	10	7	154307	0	Pass
9	2277	7	1	154439	0	Pass
10	2281	4	4	154644	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	38.225	-0.033	0.000	0.000	Pass
2	37.958	-0.100	0.000	0.000	Pass
3	37.208	-0.050	0.000	0.000	Pass
4	36.858	0.000	0.000	0.000	Pass
5	39.475	-0.033	0.000	0.000	Pass
6	38.108	0.033	0.000	0.000	Pass
7	37.942	-0.050	0.000	0.000	Pass
8	39.408	0.050	0.000	0.000	Pass
9	37.125	0.100	0.000	0.000	Pass
10	37.192	0.000	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 09:32:03  
 Results file name: 974J3203.VER  
 Inspection number:  
 Item id: PT7 201907  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.825 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.518  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	34.545 +-	0.210
Doubles:	0.000 +-	0.012
Triples:	0.000 +-	0.000
Scaler 1:	881.883 +-	1.119
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2094	7	5	53239	0	Pass
2	2045	5	4	52699	0	Pass
3	2126	3	6	53113	0	Pass
4	2086	5	2	52825	0	Pass
5	2110	2	2	52813	0	Pass
6	2137	4	5	53047	0	Pass
7	2133	4	4	53410	0	Pass
8	2170	6	6	52912	0	Pass
9	2176	4	8	53022	0	Pass
10	2145	5	3	52961	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	34.075	0.033	0.000	0.000	Pass
2	33.258	0.017	0.000	0.000	Pass
3	34.608	-0.050	0.000	0.000	Pass
4	33.942	0.050	0.000	0.000	Pass
5	34.342	0.000	0.000	0.000	Pass
6	34.792	-0.017	0.000	0.000	Pass
7	34.725	0.000	0.000	0.000	Pass
8	35.342	0.000	0.000	0.000	Pass
9	35.442	-0.067	0.000	0.000	Pass
10	34.925	0.033	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 09:51:08  
 Results file name: 974J5108.VER  
 Inspection number:  
 Item id: PT8 201907  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.825 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.518  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 11  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	50.130 +-	0.259
Doubles:	0.017 +-	0.018
Triples:	0.000 +-	0.000
Scaler 1:	260.833 +-	0.405
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	3105	4	8	15846	0	Pass
2	3004	12	7	15605	0	Pass
3	3087	13	7	15743	0	Pass
4	3144	7	11	15709	0	Pass
5	3082	10	8	15790	0	Pass
6	2999	11	9	15744	0	Pass
7	2982	11	12	15793	0	Pass
8	3086	9	5	15724	0	Pass
9	3082	10	13	15673	0	Pass
10	3017	13	12	15654	0	Pass
11	3042	11	8	15871	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	50.925	-0.067	0.000	0.000	Pass
2	49.242	0.083	0.000	0.000	Pass
3	50.625	0.100	0.000	0.000	Pass
4	51.575	-0.067	0.000	0.000	Pass
5	50.542	0.033	0.000	0.000	Pass
6	49.158	0.033	0.000	0.000	Pass
7	48.875	-0.017	0.000	0.000	Pass
8	50.608	0.067	0.000	0.000	Pass
9	50.542	-0.050	0.000	0.000	Pass
10	49.458	0.017	0.000	0.000	Pass
11	49.875	0.050	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 10:07:12  
 Results file name: 974K0712.VER  
 Inspection number:  
 Item id: PT9 201907  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.825 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.518  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 165.858 +- 0.392  
 Doubles: 0.155 +- 0.071  
 Triples: 0.000 +- 0.000  
 Scaler 1: 104.750 +- 0.431  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	10002	104	116	6277	0	Pass
2	9933	118	111	6384	0	Pass
3	9914	102	107	6379	0	Pass
4	10025	122	91	6299	0	Pass
5	10024	115	96	6458	0	Pass
6	9947	128	106	6372	0	Pass
7	9998	106	99	6417	0	Pass
8	10114	122	110	6243	0	Pass
9	10125	133	117	6433	0	Pass
10	9928	111	115	6499	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	165.875	-0.200	0.000	0.000	Pass
2	164.725	0.117	0.000	0.000	Pass
3	164.408	-0.083	0.000	0.000	Pass
4	166.258	0.517	0.000	0.000	Pass
5	166.242	0.317	0.000	0.000	Pass
6	164.958	0.367	0.000	0.000	Pass
7	165.808	0.117	0.000	0.000	Pass
8	167.742	0.200	0.000	0.000	Pass
9	167.925	0.267	0.000	0.000	Pass
10	164.642	-0.067	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.07.04 10:23:17  
 Results file name: 974K2317.VER  
 Inspection number:  
 Item id: PT10 201907  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.07.04  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.07.04  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.825 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.518  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 100.967 +- 0.279  
 Doubles: 0.010 +- 0.045  
 Triples: 0.000 +- 0.000  
 Scaler 1: 85.142 +- 0.433  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	6177	49	45	5286	0	Pass
2	6091	35	35	5341	0	Pass
3	6155	46	42	5168	0	Pass
4	6027	36	52	5140	0	Pass
5	6097	40	43	5218	0	Pass
6	6198	43	31	5121	0	Pass
7	6079	41	42	5175	0	Pass
8	6066	43	41	5167	0	Pass
9	6095	65	53	5089	0	Pass
10	6090	33	41	5291	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	102.125	0.067	0.000	0.000	Pass
2	100.692	0.000	0.000	0.000	Pass
3	101.758	0.067	0.000	0.000	Pass
4	99.625	-0.267	0.000	0.000	Pass
5	100.792	-0.050	0.000	0.000	Pass
6	102.475	0.200	0.000	0.000	Pass
7	100.492	-0.017	0.000	0.000	Pass
8	100.275	0.033	0.000	0.000	Pass
9	100.758	0.200	0.000	0.000	Pass
10	100.675	-0.133	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 09:43:55  
 Results file name: 98JU4355.VER  
 Inspection number:  
 Item id: BB1 201908  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.753 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.353  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 42.232 +- 0.344  
 Doubles: -0.003 +- 0.026  
 Triples: 0.000 +- 0.000  
 Scaler 1: 105.090 +- 0.487  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2669	8	7	6343	0	Pass
2	2620	11	7	6380	0	Pass
3	2591	8	10	6386	0	Pass
4	2658	13	8	6411	0	Pass
5	2542	8	5	6528	0	Pass
6	2603	5	13	6177	0	Pass
7	2519	5	12	6362	0	Pass
8	2494	3	6	6483	0	Pass
9	2487	6	7	6385	0	Pass
10	2608	9	3	6411	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	43.730	0.017	0.000	0.000	Pass
2	42.913	0.067	0.000	0.000	Pass
3	42.430	-0.033	0.000	0.000	Pass
4	43.547	0.083	0.000	0.000	Pass
5	41.613	0.050	0.000	0.000	Pass
6	42.630	-0.133	0.000	0.000	Pass
7	41.230	-0.117	0.000	0.000	Pass
8	40.813	-0.050	0.000	0.000	Pass
9	40.697	-0.017	0.000	0.000	Pass
10	42.713	0.100	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 10:01:59  
 Results file name: 98JK0159.VER  
 Inspection number:  
 Item id: BB2 201908  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.753 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.353  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 65.352 +- 0.458  
 Doubles: 0.015 +- 0.027  
 Triples: 0.000 +- 0.000  
 Scaler 1: 181.519 +- 0.605  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	3847	17	17	11039	0	Pass
2	3880	14	17	10938	0	Pass
3	4037	17	20	10975	0	Pass
4	3960	17	16	10801	0	Pass
5	4154	19	12	11064	0	Pass
6	3904	11	17	10868	0	Pass
7	3963	29	18	10947	0	Pass
8	3937	16	15	10864	0	Pass
9	3995	21	24	11036	0	Pass
10	3986	21	17	11191	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	63.363	0.000	0.000	0.000	Pass
2	63.913	-0.050	0.000	0.000	Pass
3	66.530	-0.050	0.000	0.000	Pass
4	65.247	0.017	0.000	0.000	Pass
5	68.480	0.117	0.000	0.000	Pass
6	64.313	-0.100	0.000	0.000	Pass
7	65.297	0.183	0.000	0.000	Pass
8	64.863	0.017	0.000	0.000	Pass
9	65.830	-0.050	0.000	0.000	Pass
10	65.680	0.067	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 10:18:04  
 Results file name: 98JK1804.VER  
 Inspection number:  
 Item id: BB3 201908  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.753 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.353  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	245.972 +-	0.454
Doubles:	0.178 +-	0.171
Triples:	0.000 +-	0.000
Scaler 1:	57.792 +-	0.315
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	14844	238	263	3606	0	Pass
2	14653	230	212	3575	0	Pass
3	14857	225	237	3488	0	Pass
4	14800	263	234	3613	0	Pass
5	14844	237	226	3559	0	Pass
6	14789	283	206	3437	0	Pass
7	14710	224	215	3581	0	Pass
8	14791	256	227	3476	0	Pass
9	14971	247	236	3572	0	Pass
10	14776	226	266	3580	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	246.647	-0.417	0.000	0.000	Pass
2	243.463	0.300	0.000	0.000	Pass
3	246.863	-0.200	0.000	0.000	Pass
4	245.913	0.483	0.000	0.000	Pass
5	246.647	0.183	0.000	0.000	Pass
6	245.730	1.283	0.000	0.000	Pass
7	244.413	0.150	0.000	0.000	Pass
8	245.763	0.483	0.000	0.000	Pass
9	248.763	0.183	0.000	0.000	Pass
10	245.513	-0.667	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 10:35:08  
 Results file name: 98JK3508.VER  
 Inspection number:  
 Item id: BB4 201908  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.753 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.353  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	950.122 +-	1.267
Doubles:	3.480 +-	0.498
Triples:	0.000 +-	0.000
Scaler 1:	46.155 +-	0.347
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	57183	3767	3513	2874	0	Pass
2	57170	3823	3496	2812	0	Pass
3	57008	3722	3404	2866	0	Pass
4	57258	3822	3538	2942	0	Pass
5	56961	3565	3452	2809	0	Pass
6	57255	3680	3458	2909	0	Pass
7	56473	3509	3451	2875	0	Pass
8	56921	3588	3378	2704	0	Pass
9	57259	3677	3463	2834	0	Pass
10	57037	3599	3511	2880	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	952.297	4.233	0.000	0.000	Pass
2	952.080	5.450	0.000	0.000	Pass
3	949.380	5.300	0.000	0.000	Pass
4	953.547	4.733	0.000	0.000	Pass
5	948.597	1.883	0.000	0.000	Pass
6	953.497	3.700	0.000	0.000	Pass
7	940.463	0.967	0.000	0.000	Pass
8	947.930	3.500	0.000	0.000	Pass
9	953.563	3.567	0.000	0.000	Pass
10	949.863	1.467	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 10:50:12  
 Results file name: 98JK5012.VER  
 Inspection number:  
 Item id: B85 201908  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.753 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.353  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	2901.483 +-	1.651
Doubles:	33.260 +-	1.416
Triples:	0.000 +-	0.000
Scaler 1:	49.280 +-	0.272
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	174411	34582	32729	2911	0	Pass
2	173872	34442	32354	3075	0	Pass
3	174098	34101	32310	3037	0	Pass
4	174600	34432	32399	3008	0	Pass
5	174361	34455	32530	3014	0	Pass
6	173637	33794	32005	3059	0	Pass
7	174058	34493	32105	3068	0	Pass
8	174428	34537	32532	3067	0	Pass
9	173777	34496	32023	3090	0	Pass
10	174100	34087	32476	3051	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2906.097	30.883	0.000	0.000	Pass
2	2897.113	34.800	0.000	0.000	Pass
3	2900.880	29.850	0.000	0.000	Pass
4	2909.247	33.883	0.000	0.000	Pass
5	2905.263	32.083	0.000	0.000	Pass
6	2893.197	29.817	0.000	0.000	Pass
7	2900.213	39.800	0.000	0.000	Pass
8	2906.380	33.417	0.000	0.000	Pass
9	2895.530	41.217	0.000	0.000	Pass
10	2900.913	26.850	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 13:31:55  
 Results file name: 98JN3155.VER  
 Inspection number:  
 Item id: B86 201908  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.753 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.353  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	36.780 +-	0.151
Doubles:	0.000 +-	0.020
Triples:	0.000 +-	0.000
Scaler 1:	2492.390 +-	1.923
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2294	5	2	148783	0	Pass
2	2240	4	3	150128	0	Pass
3	2219	4	3	149822	0	Pass
4	2271	4	9	149509	0	Pass
5	2255	10	3	149662	0	Pass
6	2210	3	7	149634	0	Pass
7	2272	8	5	149719	0	Pass
8	2235	4	9	149856	0	Pass
9	2236	5	5	149328	0	Pass
10	2288	8	9	149805	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	37.480	0.050	0.000	0.000	Pass
2	36.580	0.017	0.000	0.000	Pass
3	36.230	0.017	0.000	0.000	Pass
4	37.097	-0.083	0.000	0.000	Pass
5	36.830	0.117	0.000	0.000	Pass
6	36.080	-0.067	0.000	0.000	Pass
7	37.113	0.050	0.000	0.000	Pass
8	36.497	-0.083	0.000	0.000	Pass
9	36.513	0.000	0.000	0.000	Pass
10	37.380	-0.017	0.000	0.000	Pass

(2)



INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 13:51:01  
 Results file name: 98JN5101.VER  
 Inspection number:  
 Item id: BB7 201908  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.753 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.353  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 32.972 +- 0.163  
 Doubles: -0.008 +- 0.015  
 Triples: 0.000 +- 0.000  
 Scaler 1: 853.569 +- 0.992  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2045	3	5	51473	0	Pass
2	1971	5	5	51289	0	Pass
3	2022	5	4	51027	0	Pass
4	2052	4	6	51142	0	Pass
5	2015	5	1	51233	0	Pass
6	2035	1	2	51367	0	Pass
7	2049	0	5	51113	0	Pass
8	2035	7	4	51497	0	Pass
9	2044	2	6	51611	0	Pass
10	1967	6	5	51201	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	33.330	-0.033	0.000	0.000	Pass
2	32.097	0.000	0.000	0.000	Pass
3	32.947	0.017	0.000	0.000	Pass
4	33.447	-0.033	0.000	0.000	Pass
5	32.830	0.067	0.000	0.000	Pass
6	33.163	-0.017	0.000	0.000	Pass
7	33.397	-0.083	0.000	0.000	Pass
8	33.163	0.050	0.000	0.000	Pass
9	33.313	-0.067	0.000	0.000	Pass
10	32.030	0.017	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 14:09:06  
 Results file name: 98J00906.VER  
 Inspection number:  
 Item id: BB8 201908  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.753 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.353  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 48.790 +- 0.213  
 Doubles: -0.012 +- 0.018  
 Triples: 0.000 +- 0.000  
 Scaler 1: 250.804 +- 0.717  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	3024	8	10	15021	0	Pass
2	2920	11	7	14808	0	Pass
3	2963	7	11	15297	0	Pass
4	2995	8	11	15093	0	Pass
5	2940	11	7	15159	0	Pass
6	2943	10	9	15185	0	Pass
7	2957	6	11	15202	0	Pass
8	3030	6	10	15197	0	Pass
9	2937	12	10	15113	0	Pass
10	3017	9	9	15219	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	49.647	-0.033	0.000	0.000	Pass
2	47.913	0.067	0.000	0.000	Pass
3	48.630	-0.067	0.000	0.000	Pass
4	49.163	-0.050	0.000	0.000	Pass
5	48.247	0.067	0.000	0.000	Pass
6	48.297	0.017	0.000	0.000	Pass
7	48.530	-0.083	0.000	0.000	Pass
8	49.747	-0.067	0.000	0.000	Pass
9	48.197	0.033	0.000	0.000	Pass
10	49.530	0.000	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 14:25:10  
 Results file name: 98J02510.VER  
 Inspection number:  
 Item id: 889 201908  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.753 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.353  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60  
 Passive error messages  
 No known alpha calibration  
 Results  
 Singles: 161.082 +- 0.457  
 Doubles: 0.058 +- 0.072  
 Triples: 0.000 +- 0.000  
 Scaler 1: 101.275 +- 0.372  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	9784	92	110	6219	0	Pass
2	9757	105	89	6144	0	Pass
3	9819	101	102	6101	0	Pass
4	9798	111	108	6272	0	Pass
5	9713	103	97	6061	0	Pass
6	9696	106	98	6113	0	Pass
7	9692	128	117	6223	0	Pass
8	9653	116	94	6215	0	Pass
9	9665	108	99	6083	0	Pass
10	9524	84	105	6146	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	162.313	-0.300	0.000	0.000	Pass
2	161.863	0.267	0.000	0.000	Pass
3	162.897	-0.017	0.000	0.000	Pass
4	162.547	0.050	0.000	0.000	Pass
5	161.130	0.100	0.000	0.000	Pass
6	160.847	0.133	0.000	0.000	Pass
7	160.780	0.183	0.000	0.000	Pass
8	160.130	0.367	0.000	0.000	Pass
9	160.330	0.150	0.000	0.000	Pass
10	157.980	-0.350	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 14:41:14  
 Results file name: 98J04114.VER  
 Inspection number:  
 Item id: BB10 201908  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.753 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.353  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60  
 Passive error messages  
 No known alpha calibration  
 Results  
 Singles: 97.513 +- 0.305  
 Doubles: -0.027 +- 0.052  
 Triples: 0.000 +- 0.000  
 Scaler 1: 82.879 +- 0.354  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	5895	36	41	5032	0	Pass
2	5899	35	42	5065	0	Pass
3	5877	39	39	5036	0	Pass
4	5890	41	52	5031	0	Pass
5	5897	40	39	4937	0	Pass
6	5954	27	31	5189	0	Pass
7	5932	37	40	5066	0	Pass
8	5848	50	37	5056	0	Pass
9	5883	43	27	5005	0	Pass
10	5785	34	50	5122	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	97.497	-0.083	0.000	0.000	Pass
2	97.563	-0.117	0.000	0.000	Pass
3	97.197	0.000	0.000	0.000	Pass
4	97.413	-0.183	0.000	0.000	Pass
5	99.197	0.017	0.000	0.000	Pass
6	98.480	-0.067	0.000	0.000	Pass
7	98.113	-0.050	0.000	0.000	Pass
8	96.713	0.217	0.000	0.000	Pass
9	97.297	0.267	0.000	0.000	Pass
10	95.663	-0.267	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 09:43:55  
 Results file name: 98JU4355.VER  
 Inspection number:  
 Item id: BC1 201908  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 7.426 +- 0.000  
 Passive doubles bkgrnd: 0.002 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.824  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1431.303 +- 1.396  
 Doubles: 6.937 +- 0.680  
 Triples: 0.000 +- 0.000  
 Scaler 1: 2775.179 +- 1.959  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	86269	8286	8020	166859	0	Pass
2	86135	8209	7926	167034	0	Pass
3	86397	8500	7987	166061	0	Pass
4	85908	8378	7885	166354	0	Pass
5	86163	8224	8026	167174	0	Pass
6	86015	8322	7889	166180	0	Pass
7	86815	8683	8118	166251	0	Pass
8	86528	8525	8082	166477	0	Pass
9	86387	8398	8000	166537	0	Pass
10	86421	8473	7905	166675	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1430.723	4.435	0.000	0.000	Pass
2	1428.489	4.719	0.000	0.000	Pass
3	1432.857	8.556	0.000	0.000	Pass
4	1424.704	8.222	0.000	0.000	Pass
5	1428.955	3.301	0.000	0.000	Pass
6	1426.488	7.221	0.000	0.000	Pass
7	1439.827	9.423	0.000	0.000	Pass
8	1435.042	7.388	0.000	0.000	Pass
9	1432.691	6.637	0.000	0.000	Pass
10	1433.257	9.473	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 10:01:59  
 Results file name: 98JK0159.VER  
 Inspection number:  
 Item id: BC2 201908  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 7.426 +- 0.000  
 Passive doubles bkgrnd: 0.002 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.824  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 3832.897 +- 1.920  
 Doubles: 60.488 +- 1.749  
 Triples: 0.000 +- 0.000  
 Scaler 1: 679.359 +- 1.093  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	230288	60645	56582	40734	0	Pass
2	230234	59920	56424	40999	0	Pass
3	229975	59946	56346	40765	0	Pass
4	230335	60389	56592	40825	0	Pass
5	229716	59573	56649	40751	0	Pass
6	230167	60070	56171	40876	0	Pass
7	230952	60519	57198	41110	0	Pass
8	230651	60264	56368	40361	0	Pass
9	230518	60276	56758	40701	0	Pass
10	229938	60282	56591	40988	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3833.074	67.882	0.000	0.000	Pass
2	3832.173	58.408	0.000	0.000	Pass
3	3827.851	60.146	0.000	0.000	Pass
4	3833.858	63.437	0.000	0.000	Pass
5	3823.529	48.851	0.000	0.000	Pass
6	3831.055	65.141	0.000	0.000	Pass
7	3844.154	55.485	0.000	0.000	Pass
8	3839.131	65.092	0.000	0.000	Pass
9	3836.912	58.776	0.000	0.000	Pass
10	3827.233	61.666	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: JSR\_01  
Detector id: JSR\_01  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.08.19 10:18:03  
Results file name: 98JK1803.VER  
Inspection number:  
Item id: BC3 201908  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopes id: Default  
Isotopes source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.08.19  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.08.19

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1970  
Multiplicity deadtime: 160.0000  
Coefficient A deadtime: 0.6419  
Coefficient B deadtime: 0.1030  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 7.426 +- 0.000  
Passive doubles bkgrnd: 0.002 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.824  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 53412.071 +- 13.621  
Doubles: 11565.967 +- 38.790  
Triples: 0.000 +- 0.000  
Scaler 1: 169.063 +- 0.533  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	3179586	11454544	10784970	10184	0	Pass
2	3175860	11432148	10762160	10178	0	Pass
3	3175298	11421754	10754139	10181	0	Pass
4	3177277	11429004	10772526	10125	0	Pass
5	3176851	11444383	10758941	10168	0	Pass
6	3178766	11445623	10776844	10337	0	Pass
7	3178849	11452251	10777745	9981	0	Pass
8	3173634	11414934	10743681	10329	0	Pass
9	3179647	11455813	10783082	10229	0	Pass
10	3182371	11470962	10801646	10220	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	53442.118	11549.042	0.000	0.000	Pass
2	53378.942	11555.714	0.000	0.000	Pass
3	53369.413	11514.715	0.000	0.000	Pass
4	53402.968	11322.873	0.000	0.000	Pass
5	53395.745	11822.386	0.000	0.000	Pass
6	53428.214	11535.226	0.000	0.000	Pass
7	53429.622	11634.017	0.000	0.000	Pass
8	53341.200	11577.252	0.000	0.000	Pass
9	53443.152	11603.502	0.000	0.000	Pass
10	53489.340	11544.941	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: JSR\_01  
Detector id: JSR\_01  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.08.19 10:35:08  
Results file name: 98JK3508.VER  
Inspection number:  
Item id: BC4 201908  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopes id: Default  
Isotopes source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.08.19  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.08.19

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1970  
Multiplicity deadtime: 160.0000  
Coefficient A deadtime: 0.6419  
Coefficient B deadtime: 0.1030  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 7.426 +- 0.000  
Passive doubles bkgrnd: 0.002 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.824  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 6861.990 +- 2.539  
Doubles: 188.520 +- 3.297  
Triples: 0.000 +- 0.000  
Scaler 1: 57.429 +- 0.311  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	412237	193573	181270	3491	0	Pass
2	411714	191744	180396	3361	0	Pass
3	411139	191416	179671	3490	0	Pass
4	411689	192216	180228	3486	0	Pass
5	412492	192517	182180	3529	0	Pass
6	412106	192282	181660	3481	0	Pass
7	411570	191963	181042	3547	0	Pass
8	411389	191851	180506	3468	0	Pass
9	411819	191180	180418	3585	0	Pass
10	410953	191229	179984	3514	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6870.779	205.955	0.000	0.000	Pass
2	6862.043	189.967	0.000	0.000	Pass
3	6852.439	196.612	0.000	0.000	Pass
4	6861.625	200.681	0.000	0.000	Pass
5	6875.038	173.044	0.000	0.000	Pass
6	6868.591	177.814	0.000	0.000	Pass
7	6859.638	182.818	0.000	0.000	Pass
8	6856.614	189.916	0.000	0.000	Pass
9	6863.797	180.157	0.000	0.000	Pass
10	6849.332	188.241	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 10:50:12  
 Results file name: 98JK5012.VER  
 Inspection number:  
 Item id: BCS 201908  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 7.426 +- 0.000  
 Passive doubles bkgrnd: 0.002 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.824  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 2842.119 +- 1.756  
 Doubles: 31.302 +- 1.057  
 Triples: 0.000 +- 0.000  
 Scaler 1: 49.779 +- 0.239  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	171076	33023	31027	3061	0	Pass
2	170643	32982	31194	3078	0	Pass
3	170463	33163	30973	2987	0	Pass
4	170836	33006	31324	3065	0	Pass
5	170694	32672	30947	2985	0	Pass
6	171243	33373	31471	3121	0	Pass
7	170466	32679	31170	2990	0	Pass
8	170889	32865	30852	3022	0	Pass
9	171251	33184	31271	3044	0	Pass
10	171384	33375	31345	3009	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2845.147	33.325	0.000	0.000	Pass
2	2837.923	29.852	0.000	0.000	Pass
3	2834.921	36.564	0.000	0.000	Pass
4	2841.143	28.082	0.000	0.000	Pass
5	2838.774	28.800	0.000	0.000	Pass
6	2847.932	31.756	0.000	0.000	Pass
7	2834.971	25.194	0.000	0.000	Pass
8	2842.027	33.609	0.000	0.000	Pass
9	2848.066	31.940	0.000	0.000	Pass
10	2850.285	33.893	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 13:31:55  
 Results file name: 98JN3155.VER  
 Inspection number:  
 Item id: BCG 201908  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 7.426 +- 0.000  
 Passive doubles bkgrnd: 0.002 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.824  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 895.512 +- 1.624  
 Doubles: 3.078 +- 0.434  
 Triples: 0.000 +- 0.000  
 Scaler 1: 71.218 +- 0.281  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	54183	3247	3207	4399	0	Pass
2	53892	3365	3087	4344	0	Pass
3	54548	3348	3152	4258	0	Pass
4	54314	3240	3155	4219	0	Pass
5	53529	3292	3060	4322	0	Pass
6	54496	3331	3063	4384	0	Pass
7	54394	3298	3194	4330	0	Pass
8	54258	3435	3185	4315	0	Pass
9	54009	3405	3187	4311	0	Pass
10	54061	3371	3195	4343	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	895.755	0.665	0.000	0.000	Pass
2	890.904	4.634	0.000	0.000	Pass
3	901.840	3.266	0.000	0.000	Pass
4	897.939	1.415	0.000	0.000	Pass
5	884.852	3.867	0.000	0.000	Pass
6	900.973	4.467	0.000	0.000	Pass
7	899.273	1.732	0.000	0.000	Pass
8	897.006	4.167	0.000	0.000	Pass
9	892.854	3.633	0.000	0.000	Pass
10	893.721	2.933	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 13:51:00  
 Results file name: 98JN5100.VER  
 Inspection number:  
 Item id: BC7 201908  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 7.426 +- 0.000  
 Passive doubles bkgrnd: 0.002 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.824  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1101.027 +- 1.637  
 Doubles: 4.721 +- 0.365  
 Triples: 0.000 +- 0.000  
 Scaler 1: 117.904 +- 0.302  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	66457	5026	4744	7147	0	Pass
2	67127	5109	4738	7149	0	Pass
3	65960	5009	4772	7097	0	Pass
4	66528	5094	4727	7248	0	Pass
5	66276	4967	4755	7045	0	Pass
6	66255	4956	4632	7052	0	Pass
7	66694	4933	4784	7143	0	Pass
8	66520	5015	4699	7104	0	Pass
9	66676	5098	4799	7120	0	Pass
10	66460	4930	4655	7132	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1100.388	4.701	0.000	0.000	Pass
2	1111.559	6.185	0.000	0.000	Pass
3	1092.102	3.950	0.000	0.000	Pass
4	1101.572	6.119	0.000	0.000	Pass
5	1097.370	3.534	0.000	0.000	Pass
6	1097.020	5.402	0.000	0.000	Pass
7	1104.339	2.483	0.000	0.000	Pass
8	1101.438	5.268	0.000	0.000	Pass
9	1104.039	4.985	0.000	0.000	Pass
10	1100.438	4.584	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 14:09:05  
 Results file name: 98J00905.VER  
 Inspection number:  
 Item id: BC8 201908  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 7.426 +- 0.000  
 Passive doubles bkgrnd: 0.002 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.824  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 629.590 +- 1.197  
 Doubles: 1.830 +- 0.153  
 Triples: 0.000 +- 0.000  
 Scaler 1: 46.578 +- 0.314  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	38294	1696	1528	2795	0	Pass
2	37994	1645	1541	2817	0	Pass
3	38436	1669	1574	2863	0	Pass
4	38354	1693	1595	2968	0	Pass
5	38088	1637	1505	2867	0	Pass
6	38267	1661	1541	2831	0	Pass
7	37848	1582	1529	2854	0	Pass
8	38593	1724	1614	2752	0	Pass
9	38015	1643	1537	2804	0	Pass
10	38281	1647	1534	2890	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	630.873	2.799	0.000	0.000	Pass
2	625.872	1.732	0.000	0.000	Pass
3	633.240	1.582	0.000	0.000	Pass
4	631.873	1.632	0.000	0.000	Pass
5	627.439	2.199	0.000	0.000	Pass
6	630.423	1.999	0.000	0.000	Pass
7	623.438	0.881	0.000	0.000	Pass
8	635.857	1.832	0.000	0.000	Pass
9	626.222	1.765	0.000	0.000	Pass
10	630.656	1.882	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 14:25:09  
 Results file name: 98J02509.VER  
 Inspection number:  
 Item id: BC9 201908  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 7.426 +- 0.000  
 Passive doubles bkgrnd: 0.002 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.824  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1217.055 +- 1.241  
 Doubles: 5.722 +- 0.610  
 Triples: 0.000 +- 0.000  
 Scaler 1: 31.269 +- 0.259  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	73184	6156	5703	1951	0	Pass
2	73381	6104	5728	1930	0	Pass
3	73796	6237	5666	1830	0	Pass
4	73287	6094	5778	1935	0	Pass
5	73700	6164	5836	1894	0	Pass
6	73616	6165	5876	1887	0	Pass
7	73380	6130	5810	1991	0	Pass
8	73090	6072	5684	1920	0	Pass
9	73678	6099	5852	1996	0	Pass
10	73432	5936	5792	1922	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1212.547	7.554	0.000	0.000	Pass
2	1215.831	6.269	0.000	0.000	Pass
3	1222.751	9.522	0.000	0.000	Pass
4	1214.264	5.268	0.000	0.000	Pass
5	1221.150	5.469	0.000	0.000	Pass
6	1219.749	4.818	0.000	0.000	Pass
7	1215.815	5.335	0.000	0.000	Pass
8	1210.979	6.469	0.000	0.000	Pass
9	1220.783	4.118	0.000	0.000	Pass
10	1216.682	2.400	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 14:41:13  
 Results file name: 98J04113.VER  
 Inspection number:  
 Item id: BC10 201908  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 7.426 +- 0.000  
 Passive doubles bkgrnd: 0.002 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.824  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1203.543 +- 1.803  
 Doubles: 5.794 +- 0.424  
 Triples: 0.000 +- 0.000  
 Scaler 1: 35.404 +- 0.243  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	72217	5979	5607	2212	0	Pass
2	72429	5998	5546	2199	0	Pass
3	72707	5925	5678	2198	0	Pass
4	72785	6028	5577	2197	0	Pass
5	72891	6054	5637	2103	0	Pass
6	73020	6077	5712	2106	0	Pass
7	72188	5902	5657	2118	0	Pass
8	73191	5986	5690	2187	0	Pass
9	72668	5960	5697	2227	0	Pass
10	72344	5848	5481	2190	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1196.424	6.202	0.000	0.000	Pass
2	1199.958	7.537	0.000	0.000	Pass
3	1204.593	4.118	0.000	0.000	Pass
4	1205.894	7.520	0.000	0.000	Pass
5	1207.661	6.953	0.000	0.000	Pass
6	1209.812	6.086	0.000	0.000	Pass
7	1195.940	4.084	0.000	0.000	Pass
8	1212.663	4.935	0.000	0.000	Pass
9	1203.943	4.384	0.000	0.000	Pass
10	1198.541	6.119	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 09:43:55  
 Results file name: 98JU4355.VER  
 Inspection number:  
 Item id: BT1 201908  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 7.426 +- 0.000  
 Passive doubles bkgrnd: 0.002 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.824  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1430.971 +- 1.395  
 Doubles: 6.931 +- 0.680  
 Triples: 0.000 +- 0.000  
 Scaler 1: 2775.179 +- 1.959  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	86269	8286	8020	166859	0	Pass
2	86135	8209	7926	167034	0	Pass
3	86397	8500	7987	166061	0	Pass
4	85908	8378	7885	166354	0	Pass
5	86163	8224	8026	167174	0	Pass
6	86015	8322	7889	166180	0	Pass
7	86815	8683	8118	166251	0	Pass
8	86528	8525	8082	166477	0	Pass
9	86387	8398	8000	166537	0	Pass
10	86421	8473	7905	166675	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1430.391	4.431	0.000	0.000	Pass
2	1428.158	4.714	0.000	0.000	Pass
3	1432.524	8.548	0.000	0.000	Pass
4	1424.374	8.214	0.000	0.000	Pass
5	1428.624	3.298	0.000	0.000	Pass
6	1426.158	7.214	0.000	0.000	Pass
7	1439.491	9.414	0.000	0.000	Pass
8	1434.708	7.381	0.000	0.000	Pass
9	1432.358	6.631	0.000	0.000	Pass
10	1432.924	9.464	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 10:01:59  
 Results file name: 98JK0159.VER  
 Inspection number:  
 Item id: BT2 201908  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 7.426 +- 0.000  
 Passive doubles bkgrnd: 0.002 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.824  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 3830.531 +- 1.918  
 Doubles: 60.339 +- 1.745  
 Triples: 0.000 +- 0.000  
 Scaler 1: 679.359 +- 1.093  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	230288	60645	56582	40734	0	Pass
2	230234	59920	56424	40999	0	Pass
3	229975	59946	56346	40765	0	Pass
4	230335	60389	56592	40825	0	Pass
5	229716	59573	56649	40751	0	Pass
6	230167	60070	56171	40876	0	Pass
7	230952	60519	57198	41110	0	Pass
8	230651	60264	56368	40361	0	Pass
9	230518	60276	56758	40701	0	Pass
10	229938	60282	56591	40988	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3830.708	67.714	0.000	0.000	Pass
2	3829.808	58.264	0.000	0.000	Pass
3	3825.491	59.998	0.000	0.000	Pass
4	3831.491	63.281	0.000	0.000	Pass
5	3821.174	48.731	0.000	0.000	Pass
6	3828.691	64.981	0.000	0.000	Pass
7	3841.774	55.348	0.000	0.000	Pass
8	3836.758	64.931	0.000	0.000	Pass
9	3834.541	58.631	0.000	0.000	Pass
10	3824.874	61.514	0.000	0.000	Pass

(2)



INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 10:18:03  
 Results file name: 98JK1803.VER  
 Inspection number:  
 Item id: BT3 201908  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 7.426 +- 0.000  
 Passive doubles bkgrnd: 0.002 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.824  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 52956.139 +- 13.389  
 Doubles: 11176.134 +- 37.484  
 Triples: 0.000 +- 0.000  
 Scaler 1: 169.063 +- 0.533  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	3179586	11454544	10784970	10184	0	Pass
2	3175860	11432148	10762160	10178	0	Pass
3	3175298	11421754	10754139	10181	0	Pass
4	3177277	11429004	10772526	10125	0	Pass
5	3176851	11444383	10758941	10168	0	Pass
6	3178766	11445623	10776844	10337	0	Pass
7	3178849	11452251	10777745	9981	0	Pass
8	3173634	11414934	10743681	10329	0	Pass
9	3179647	11455813	10783082	10229	0	Pass
10	3182371	11470962	10801646	10220	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	52985.674	11159.564	0.000	0.000	Pass
2	52923.574	11166.464	0.000	0.000	Pass
3	52914.208	11126.914	0.000	0.000	Pass
4	52947.191	10941.298	0.000	0.000	Pass
5	52940.091	11424.031	0.000	0.000	Pass
6	52972.008	11146.314	0.000	0.000	Pass
7	52973.391	11241.764	0.000	0.000	Pass
8	52886.474	11187.548	0.000	0.000	Pass
9	52986.691	11212.181	0.000	0.000	Pass
10	53032.091	11155.264	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 10:35:08  
 Results file name: 98JK3508.VER  
 Inspection number:  
 Item id: BT4 201908  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 7.426 +- 0.000  
 Passive doubles bkgrnd: 0.002 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.824  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 6854.421 +- 2.534  
 Doubles: 187.691 +- 3.282  
 Triples: 0.000 +- 0.000  
 Scaler 1: 57.429 +- 0.311  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	412237	193573	181270	3491	0	Pass
2	411714	191744	180396	3361	0	Pass
3	411139	191416	179671	3490	0	Pass
4	411689	192216	180228	3486	0	Pass
5	412492	192517	182180	3529	0	Pass
6	412106	192282	181660	3481	0	Pass
7	411570	191963	181042	3547	0	Pass
8	411389	191851	180506	3468	0	Pass
9	411819	191180	180418	3585	0	Pass
10	410953	191229	179984	3514	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6863.191	205.048	0.000	0.000	Pass
2	6854.474	189.131	0.000	0.000	Pass
3	6844.891	195.748	0.000	0.000	Pass
4	6854.058	199.798	0.000	0.000	Pass
5	6867.441	172.281	0.000	0.000	Pass
6	6861.008	177.031	0.000	0.000	Pass
7	6852.074	182.014	0.000	0.000	Pass
8	6849.058	189.081	0.000	0.000	Pass
9	6856.224	179.364	0.000	0.000	Pass
10	6841.791	187.414	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 10:50:12  
 Results file name: 98JK5012.VER  
 Inspection number:  
 Item id: BT5 201908  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 7.426 +- 0.000  
 Passive doubles bkgrnd: 0.002 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.824  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 2840.816 +- 1.755  
 Doubles: 31.244 +- 1.055  
 Triples: 0.000 +- 0.000  
 Scaler 1: 49.779 +- 0.239  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	171076	33023	31027	3061	0	Pass
2	170643	32982	31194	3078	0	Pass
3	170463	33163	30973	2987	0	Pass
4	170836	33006	31324	3065	0	Pass
5	170694	32672	30947	2985	0	Pass
6	171243	33373	31471	3121	0	Pass
7	170466	32679	31170	2990	0	Pass
8	170889	32865	30852	3022	0	Pass
9	171251	33184	31271	3044	0	Pass
10	171384	33375	31345	3009	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2843.841	33.264	0.000	0.000	Pass
2	2836.624	29.798	0.000	0.000	Pass
3	2833.624	36.498	0.000	0.000	Pass
4	2839.841	28.031	0.000	0.000	Pass
5	2837.474	28.748	0.000	0.000	Pass
6	2846.624	31.698	0.000	0.000	Pass
7	2833.674	25.148	0.000	0.000	Pass
8	2840.724	33.548	0.000	0.000	Pass
9	2846.758	31.881	0.000	0.000	Pass
10	2848.974	33.831	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 13:31:55  
 Results file name: 98JN3155.VER  
 Inspection number:  
 Item id: BT6 201908  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 7.426 +- 0.000  
 Passive doubles bkgrnd: 0.002 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.824  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 895.381 +- 1.623  
 Doubles: 3.076 +- 0.433  
 Triples: 0.000 +- 0.000  
 Scaler 1: 71.218 +- 0.281  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	54183	3247	3207	4399	0	Pass
2	53892	3365	3087	4344	0	Pass
3	54548	3348	3152	4258	0	Pass
4	54314	3240	3155	4219	0	Pass
5	53529	3292	3060	4322	0	Pass
6	54496	3331	3063	4384	0	Pass
7	54394	3298	3194	4330	0	Pass
8	54258	3435	3185	4315	0	Pass
9	54009	3405	3187	4311	0	Pass
10	54061	3371	3195	4343	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	895.624	0.664	0.000	0.000	Pass
2	890.774	4.631	0.000	0.000	Pass
3	901.708	3.264	0.000	0.000	Pass
4	897.808	1.414	0.000	0.000	Pass
5	884.724	3.864	0.000	0.000	Pass
6	900.841	4.464	0.000	0.000	Pass
7	899.141	1.731	0.000	0.000	Pass
8	896.874	4.164	0.000	0.000	Pass
9	892.724	3.631	0.000	0.000	Pass
10	893.591	2.931	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 13:51:00  
 Results file name: 98JN5100.VER  
 Inspection number:  
 Item id: BT7 201908  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 7.426 +- 0.000  
 Passive doubles bkgrnd: 0.002 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.824  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	1100.829 +-	1.637
Doubles:	4.718 +-	0.364
Triples:	0.000 +-	0.000
Scaler 1:	117.904 +-	0.302
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	66457	5026	4744	7147	0	Pass
2	67127	5109	4738	7149	0	Pass
3	65960	5009	4772	7097	0	Pass
4	66528	5094	4727	7248	0	Pass
5	66276	4967	4755	7045	0	Pass
6	66255	4956	4632	7052	0	Pass
7	66694	4933	4784	7143	0	Pass
8	66520	5015	4699	7104	0	Pass
9	66676	5098	4799	7120	0	Pass
10	66460	4930	4655	7132	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1100.191	4.698	0.000	0.000	Pass
2	1111.358	6.181	0.000	0.000	Pass
3	1091.908	3.948	0.000	0.000	Pass
4	1101.374	6.114	0.000	0.000	Pass
5	1097.174	3.531	0.000	0.000	Pass
6	1096.824	5.398	0.000	0.000	Pass
7	1104.141	2.481	0.000	0.000	Pass
8	1101.241	5.264	0.000	0.000	Pass
9	1103.841	4.981	0.000	0.000	Pass
10	1100.241	4.581	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 14:09:05  
 Results file name: 98J00905.VER  
 Inspection number:  
 Item id: BT8 201908  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 7.426 +- 0.000  
 Passive doubles bkgrnd: 0.002 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.824  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	629.524 +-	1.197
Doubles:	1.829 +-	0.153
Triples:	0.000 +-	0.000
Scaler 1:	46.578 +-	0.314
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	38294	1696	1528	2795	0	Pass
2	37994	1645	1541	2817	0	Pass
3	38436	1669	1574	2863	0	Pass
4	38354	1693	1595	2968	0	Pass
5	38088	1637	1505	2867	0	Pass
6	38267	1661	1541	2831	0	Pass
7	37848	1582	1529	2854	0	Pass
8	38593	1724	1614	2752	0	Pass
9	38015	1643	1537	2804	0	Pass
10	38281	1647	1534	2890	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	630.808	2.798	0.000	0.000	Pass
2	625.808	1.731	0.000	0.000	Pass
3	633.174	1.581	0.000	0.000	Pass
4	631.808	1.631	0.000	0.000	Pass
5	627.374	2.198	0.000	0.000	Pass
6	630.358	1.998	0.000	0.000	Pass
7	623.374	0.881	0.000	0.000	Pass
8	635.791	1.831	0.000	0.000	Pass
9	626.158	1.764	0.000	0.000	Pass
10	630.591	1.881	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 14:25:09  
 Results file name: 98J02509.VER  
 Inspection number:  
 Item id: BT9 201908  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 7.426 +- 0.000  
 Passive doubles bkgrnd: 0.002 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.824  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1216.814 +- 1.240  
 Doubles: 5.718 +- 0.610  
 Triples: 0.000 +- 0.000  
 Scaler 1: 31.269 +- 0.259  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	73184	6156	5703	1951	0	Pass
2	73381	6104	5728	1930	0	Pass
3	73796	6237	5666	1830	0	Pass
4	73287	6094	5778	1935	0	Pass
5	73700	6164	5836	1894	0	Pass
6	73616	6165	5876	1887	0	Pass
7	73380	6130	5810	1991	0	Pass
8	73090	6072	5684	1920	0	Pass
9	73678	6099	5852	1996	0	Pass
10	73432	5936	5792	1922	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1212.308	7.548	0.000	0.000	Pass
2	1215.591	6.264	0.000	0.000	Pass
3	1222.508	9.514	0.000	0.000	Pass
4	1214.024	5.264	0.000	0.000	Pass
5	1220.908	5.464	0.000	0.000	Pass
6	1219.508	4.814	0.000	0.000	Pass
7	1215.574	5.331	0.000	0.000	Pass
8	1210.741	6.464	0.000	0.000	Pass
9	1220.541	4.114	0.000	0.000	Pass
10	1216.441	2.398	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 14:41:13  
 Results file name: 98J04113.VER  
 Inspection number:  
 Item id: BT10 201908  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 7.426 +- 0.000  
 Passive doubles bkgrnd: 0.002 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.824  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1203.308 +- 1.802  
 Doubles: 5.789 +- 0.424  
 Triples: 0.000 +- 0.000  
 Scaler 1: 35.404 +- 0.243  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	72217	5979	5607	2212	0	Pass
2	72429	5998	5546	2199	0	Pass
3	72707	5925	5678	2198	0	Pass
4	72785	6028	5577	2197	0	Pass
5	72891	6054	5637	2103	0	Pass
6	73020	6077	5712	2106	0	Pass
7	72188	5902	5657	2118	0	Pass
8	73191	5986	5690	2187	0	Pass
9	72668	5960	5697	2227	0	Pass
10	72344	5848	5481	2190	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1196.191	6.198	0.000	0.000	Pass
2	1199.724	7.531	0.000	0.000	Pass
3	1204.358	4.114	0.000	0.000	Pass
4	1205.658	7.514	0.000	0.000	Pass
5	1207.424	6.948	0.000	0.000	Pass
6	1209.574	6.081	0.000	0.000	Pass
7	1195.708	4.081	0.000	0.000	Pass
8	1212.424	4.931	0.000	0.000	Pass
9	1203.708	4.381	0.000	0.000	Pass
10	1198.308	6.114	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 09:43:55  
 Results file name: 98JU4355.VER  
 Inspection number:  
 Item id: PB1 201908  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 9.130 +- 0.000  
 Passive doubles bkgrnd: -0.001 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.013  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1145.577 +- 1.792  
 Doubles: 5.036 +- 0.523  
 Triples: 0.000 +- 0.000  
 Scaler 1: 54.822 +- 0.299  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	69184	5429	5046	3369	0	Pass
2	69587	5524	5188	3294	0	Pass
3	69500	5395	5160	3402	0	Pass
4	69790	5445	5191	3381	0	Pass
5	69375	5385	5088	3336	0	Pass
6	69393	5536	5175	3249	0	Pass
7	68823	5304	5218	3398	0	Pass
8	69137	5413	5150	3433	0	Pass
9	68671	5409	4974	3307	0	Pass
10	69364	5464	5093	3332	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1143.937	6.384	0.000	0.000	Pass
2	1150.654	5.601	0.000	0.000	Pass
3	1149.204	3.917	0.000	0.000	Pass
4	1154.037	4.234	0.000	0.000	Pass
5	1147.120	4.951	0.000	0.000	Pass
6	1147.420	6.017	0.000	0.000	Pass
7	1137.920	1.434	0.000	0.000	Pass
8	1143.154	4.384	0.000	0.000	Pass
9	1135.387	7.251	0.000	0.000	Pass
10	1146.937	6.184	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 10:01:59  
 Results file name: 98JK0159.VER  
 Inspection number:  
 Item id: PB2 201908  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 9.130 +- 0.000  
 Passive doubles bkgrnd: -0.001 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.013  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1410.174 +- 1.465  
 Doubles: 7.291 +- 0.802  
 Triples: 0.000 +- 0.000  
 Scaler 1: 46.974 +- 0.346  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	85308	8234	7970	2866	0	Pass
2	85372	8216	7832	2892	0	Pass
3	85062	8244	7757	2797	0	Pass
4	84943	8425	7651	2957	0	Pass
5	84999	8157	7651	2862	0	Pass
6	85580	8252	7758	2916	0	Pass
7	85560	8347	8002	2823	0	Pass
8	84841	8140	7631	2965	0	Pass
9	84844	8107	7760	2778	0	Pass
10	85073	8024	7760	2936	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1412.670	4.401	0.000	0.000	Pass
2	1413.737	6.401	0.000	0.000	Pass
3	1408.570	8.117	0.000	0.000	Pass
4	1406.587	12.901	0.000	0.000	Pass
5	1407.520	8.434	0.000	0.000	Pass
6	1417.204	8.234	0.000	0.000	Pass
7	1416.870	5.751	0.000	0.000	Pass
8	1404.887	8.484	0.000	0.000	Pass
9	1404.937	5.784	0.000	0.000	Pass
10	1408.754	4.401	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 10:18:04  
 Results file name: 98JK1804.VER  
 Inspection number:  
 Item id: PB3 201908  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 9.130 +- 0.000  
 Passive doubles bkgrnd: -0.001 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.013  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 761.617 +- 1.218  
 Doubles: 2.551 +- 0.536  
 Triples: 0.000 +- 0.000  
 Scaler 1: 61.052 +- 0.230  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	46518	2529	2266	3764	0	Pass
2	46355	2437	2306	3703	0	Pass
3	45853	2473	2144	3660	0	Pass
4	46152	2420	2210	3779	0	Pass
5	46099	2401	2270	3674	0	Pass
6	46074	2430	2211	3747	0	Pass
7	46046	2287	2251	3689	0	Pass
8	46478	2421	2302	3707	0	Pass
9	46352	2421	2417	3734	0	Pass
10	46521	2478	2390	3782	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	766.170	4.384	0.000	0.000	Pass
2	763.454	2.184	0.000	0.000	Pass
3	755.087	5.484	0.000	0.000	Pass
4	760.070	3.501	0.000	0.000	Pass
5	759.187	2.184	0.000	0.000	Pass
6	758.770	3.651	0.000	0.000	Pass
7	758.304	0.601	0.000	0.000	Pass
8	765.504	1.984	0.000	0.000	Pass
9	763.404	0.067	0.000	0.000	Pass
10	766.220	1.467	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 10:35:08  
 Results file name: 98JK3508.VER  
 Inspection number:  
 Item id: PB4 201908  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 9.130 +- 0.000  
 Passive doubles bkgrnd: -0.001 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.013  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1608.717 +- 1.423  
 Doubles: 9.399 +- 0.708  
 Triples: 0.000 +- 0.000  
 Scaler 1: 266.119 +- 0.520  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	97088	10604	10062	15838	0	Pass
2	97016	10733	10204	16126	0	Pass
3	97291	10838	9957	15976	0	Pass
4	97095	10574	10113	15921	0	Pass
5	96779	10645	10101	16003	0	Pass
6	97372	10488	10071	16077	0	Pass
7	97060	10589	9942	16025	0	Pass
8	97458	10795	10315	16113	0	Pass
9	97001	10628	9977	16159	0	Pass
10	96548	10442	9955	16041	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1609.004	9.034	0.000	0.000	Pass
2	1607.804	8.817	0.000	0.000	Pass
3	1612.387	14.684	0.000	0.000	Pass
4	1609.120	7.684	0.000	0.000	Pass
5	1603.854	9.067	0.000	0.000	Pass
6	1613.737	6.951	0.000	0.000	Pass
7	1608.537	10.784	0.000	0.000	Pass
8	1615.170	8.001	0.000	0.000	Pass
9	1607.554	10.851	0.000	0.000	Pass
10	1600.004	8.117	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 10:50:12  
 Results file name: 98JK5012.VER  
 Inspection number:  
 Item id: PBS 201908  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 9.130 +- 0.000  
 Passive doubles bkgrnd: -0.001 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.013  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	1433.429 +-	1.404
Doubles:	7.932 +-	0.647
Triples:	0.000 +-	0.000
Scaler 1:	143.135 +-	0.473
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	86519	8350	7926	8447	0	Pass
2	86217	8526	7956	8638	0	Pass
3	86263	8463	7883	8701	0	Pass
4	86699	8545	8028	8696	0	Pass
5	86447	8341	7950	8707	0	Pass
6	86783	8497	8072	8573	0	Pass
7	86249	8380	7919	8753	0	Pass
8	86877	8537	7964	8617	0	Pass
9	86531	8469	7856	8634	0	Pass
10	86950	8354	8149	8723	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1432.854	7.067	0.000	0.000	Pass
2	1427.820	9.501	0.000	0.000	Pass
3	1428.587	9.667	0.000	0.000	Pass
4	1435.854	8.617	0.000	0.000	Pass
5	1431.654	6.517	0.000	0.000	Pass
6	1437.254	7.084	0.000	0.000	Pass
7	1428.354	7.684	0.000	0.000	Pass
8	1438.820	9.551	0.000	0.000	Pass
9	1433.054	10.217	0.000	0.000	Pass
10	1440.037	3.417	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 13:31:55  
 Results file name: 98JN3155.VER  
 Inspection number:  
 Item id: PB6 201908  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 9.130 +- 0.000  
 Passive doubles bkgrnd: -0.001 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.013  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	1942.030 +-	1.574
Doubles:	12.447 +-	0.714
Triples:	0.000 +-	0.000
Scaler 1:	70.799 +-	0.195
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	116935	15441	14697	4252	0	Pass
2	117288	15543	14601	4336	0	Pass
3	117293	15390	14602	4328	0	Pass
4	116393	15261	14707	4273	0	Pass
5	117108	15458	14869	4349	0	Pass
6	117294	15401	14743	4333	0	Pass
7	116854	15370	14530	4299	0	Pass
8	117218	15499	14591	4267	0	Pass
9	116940	15360	14539	4292	0	Pass
10	117373	15515	14891	4358	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1939.787	12.401	0.000	0.000	Pass
2	1945.670	15.701	0.000	0.000	Pass
3	1945.754	13.134	0.000	0.000	Pass
4	1930.754	9.234	0.000	0.000	Pass
5	1942.670	9.817	0.000	0.000	Pass
6	1945.770	10.967	0.000	0.000	Pass
7	1938.437	14.001	0.000	0.000	Pass
8	1944.504	15.134	0.000	0.000	Pass
9	1939.870	13.684	0.000	0.000	Pass
10	1947.087	10.401	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 13:51:00  
 Results file name: 98JN5100.VER  
 Inspection number:  
 Item id: PB7 201908  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 9.130 +- 0.000  
 Passive doubles bkgrnd: -0.001 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.013  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 4988.480 +- 2.501  
 Doubles: 103.724 +- 4.350  
 Triples: 0.000 +- 0.000  
 Scaler 1: 112.609 +- 0.328  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	299712	102116	96365	6956	0	Pass
2	299454	101817	95424	6815	0	Pass
3	299713	101644	95987	6735	0	Pass
4	300867	103214	95347	6873	0	Pass
5	299717	100957	95288	6787	0	Pass
6	300075	102454	95409	6836	0	Pass
7	299249	101533	95281	6810	0	Pass
8	299971	101094	96200	6800	0	Pass
9	299487	101649	95488	6753	0	Pass
10	300321	102546	96001	6808	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	4986.070	95.851	0.000	0.000	Pass
2	4981.770	106.551	0.000	0.000	Pass
3	4986.087	94.284	0.000	0.000	Pass
4	5005.320	131.117	0.000	0.000	Pass
5	4986.154	94.484	0.000	0.000	Pass
6	4992.120	117.417	0.000	0.000	Pass
7	4978.354	104.201	0.000	0.000	Pass
8	4990.387	81.567	0.000	0.000	Pass
9	4982.320	102.684	0.000	0.000	Pass
10	4996.220	109.084	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 14:08:04  
 Results file name: 98J00804.VER  
 Inspection number:  
 Item id: PB8 201908  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 9.130 +- 0.000  
 Passive doubles bkgrnd: -0.001 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.013  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 43418.430 +- 7.505  
 Doubles: 7398.847 +- 25.755  
 Triples: 0.000 +- 0.000  
 Scaler 1: 350.777 +- 0.617  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2607039	7695743	7251588	21186	0	Pass
2	2607074	7695877	7247286	21157	0	Pass
3	2605781	7685407	7244228	21131	0	Pass
4	2606336	7687474	7246406	21176	0	Pass
5	2604134	7674115	7228358	21127	0	Pass
6	2604935	7677986	7248859	21079	0	Fail A/S test
7	2603846	7678557	7228660	21188	0	Pass
8	2605386	7685697	7236226	21198	0	Pass
9	2606392	7689656	7249832	20868	0	Pass
10	2603357	7667373	7232925	20916	0	Pass
11	2607191	7693482	7248564	21127	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	43441.520	7402.584	0.000	0.000	Pass
2	43442.104	7476.517	0.000	0.000	Pass
3	43420.554	7352.984	0.000	0.000	Pass
4	43429.804	7351.134	0.000	0.000	Pass
5	43393.104	7429.284	0.000	0.000	Pass
6	43406.454	7152.117	0.000	0.000	Fail A/S test
7	43388.304	7498.284	0.000	0.000	Pass
8	43413.970	7491.184	0.000	0.000	Pass
9	43430.737	7330.401	0.000	0.000	Pass
10	43380.154	7240.801	0.000	0.000	Pass
11	43444.054	7415.301	0.000	0.000	Pass

(2)



INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 14:25:09  
 Results file name: 98J02509.VER  
 Inspection number:  
 Item id: PB9 201908  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 9.130 +- 0.000  
 Passive doubles bkgrnd: -0.001 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.013  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 8302.709 +- 3.360  
 Doubles: 266.772 +- 5.726  
 Triples: 0.000 +- 0.000  
 Scaler 1: 1175.342 +- 1.065  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	499019	281393	266358	70401	0	Pass
2	499605	283356	264961	70357	0	Pass
3	497821	280200	264851	70406	0	Pass
4	499542	282180	265336	70384	0	Pass
5	498440	280958	264511	70837	0	Pass
6	498985	281800	265808	70775	0	Pass
7	499126	281520	265524	70564	0	Pass
8	498476	281718	266193	70669	0	Pass
9	497956	279372	264919	70898	0	Pass
10	498133	281454	265427	70522	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	8307.854	250.584	0.000	0.000	Pass
2	8317.620	306.584	0.000	0.000	Pass
3	8287.887	255.817	0.000	0.000	Pass
4	8316.570	280.734	0.000	0.000	Pass
5	8298.204	274.117	0.000	0.000	Pass
6	8307.287	266.534	0.000	0.000	Pass
7	8309.637	266.601	0.000	0.000	Pass
8	8298.804	258.751	0.000	0.000	Pass
9	8290.137	240.884	0.000	0.000	Pass
10	8293.087	267.117	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 14:41:13  
 Results file name: 98J04113.VER  
 Inspection number:  
 Item id: PB10 201908  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 9.130 +- 0.000  
 Passive doubles bkgrnd: -0.001 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.013  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 3509.504 +- 2.420  
 Doubles: 48.596 +- 1.523  
 Triples: 0.000 +- 0.000  
 Scaler 1: 2673.340 +- 3.158  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	210644	50265	47358	160665	0	Pass
2	210959	50507	47519	159425	0	Pass
3	211131	50498	47816	160383	0	Pass
4	211997	50510	47366	160176	0	Pass
5	211661	50278	47516	160316	0	Pass
6	210796	49961	47190	161365	0	Pass
7	210954	50279	47597	160384	0	Pass
8	211292	50713	47086	160002	0	Pass
9	211260	50383	47641	160448	0	Pass
10	210486	50061	47209	161448	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3501.604	48.451	0.000	0.000	Pass
2	3506.854	49.801	0.000	0.000	Pass
3	3509.720	44.701	0.000	0.000	Pass
4	3524.154	52.401	0.000	0.000	Pass
5	3518.554	46.034	0.000	0.000	Pass
6	3504.137	46.184	0.000	0.000	Pass
7	3506.770	44.701	0.000	0.000	Pass
8	3512.404	60.451	0.000	0.000	Pass
9	3511.870	45.701	0.000	0.000	Pass
10	3498.970	47.534	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 09:43:55  
 Results file name: 98JU4355.VER  
 Inspection number:  
 Item id: PC1 201908  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 9.130 +- 0.000  
 Passive doubles bkgrnd: -0.001 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.013  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages  
 No known alpha calibration

Results

Singles:	1145.692 +-	1.793
Doubles:	5.038 +-	0.523
Triples:	0.000 +-	0.000
Scaler 1:	54.822 +-	0.299
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	69184	5429	5046	3369	0	Pass
2	69587	5524	5188	3294	0	Pass
3	69500	5395	5160	3402	0	Pass
4	69790	5445	5191	3381	0	Pass
5	69375	5385	5088	3336	0	Pass
6	69393	5536	5175	3249	0	Pass
7	68823	5304	5218	3398	0	Pass
8	69137	5413	5150	3433	0	Pass
9	68671	5409	4974	3307	0	Pass
10	69364	5464	5093	3332	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1144.052	6.386	0.000	0.000	Pass
2	1150.770	5.603	0.000	0.000	Pass
3	1149.320	3.919	0.000	0.000	Pass
4	1154.154	4.236	0.000	0.000	Pass
5	1147.236	4.953	0.000	0.000	Pass
6	1147.536	6.020	0.000	0.000	Pass
7	1138.034	1.434	0.000	0.000	Pass
8	1143.269	4.386	0.000	0.000	Pass
9	1135.500	7.253	0.000	0.000	Pass
10	1147.053	6.186	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 10:01:59  
 Results file name: 98JK0159.VER  
 Inspection number:  
 Item id: PC2 201908  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 9.130 +- 0.000  
 Passive doubles bkgrnd: -0.001 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.013  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages  
 No known alpha calibration

Results

Singles:	1410.348 +-	1.465
Doubles:	7.294 +-	0.803
Triples:	0.000 +-	0.000
Scaler 1:	46.974 +-	0.346
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	85308	8234	7970	2866	0	Pass
2	85372	8216	7832	2892	0	Pass
3	85062	8244	7757	2797	0	Pass
4	84943	8425	7651	2957	0	Pass
5	84999	8157	7651	2862	0	Pass
6	85580	8252	7758	2916	0	Pass
7	85560	8347	8002	2823	0	Pass
8	84841	8140	7631	2965	0	Pass
9	84844	8107	7760	2778	0	Pass
10	85073	8024	7760	2936	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1412.845	4.403	0.000	0.000	Pass
2	1413.912	6.404	0.000	0.000	Pass
3	1408.744	8.121	0.000	0.000	Pass
4	1406.760	12.907	0.000	0.000	Pass
5	1407.694	8.438	0.000	0.000	Pass
6	1417.380	8.238	0.000	0.000	Pass
7	1417.046	5.753	0.000	0.000	Pass
8	1405.060	8.488	0.000	0.000	Pass
9	1405.110	5.787	0.000	0.000	Pass
10	1408.928	4.403	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 10:18:04  
 Results file name: 98JK1804.VER  
 Inspection number:  
 Item id: PC3 201908  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 9.130 +- 0.000  
 Passive doubles bkgrnd: -0.001 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.013  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 761.668 +- 1.219  
 Doubles: 2.551 +- 0.536  
 Triples: 0.000 +- 0.000  
 Scaler 1: 61.052 +- 0.230  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	46518	2529	2266	3764	0	Pass
2	46355	2437	2306	3703	0	Pass
3	45853	2473	2144	3660	0	Pass
4	46152	2420	2210	3779	0	Pass
5	46099	2401	2270	3674	0	Pass
6	46074	2430	2211	3747	0	Pass
7	46046	2287	2251	3689	0	Pass
8	46478	2421	2302	3707	0	Pass
9	46352	2421	2417	3734	0	Pass
10	46521	2478	2390	3782	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	766.222	4.385	0.000	0.000	Pass
2	763.505	2.185	0.000	0.000	Pass
3	755.138	5.485	0.000	0.000	Pass
4	760.122	3.502	0.000	0.000	Pass
5	759.238	2.184	0.000	0.000	Pass
6	758.821	3.652	0.000	0.000	Pass
7	758.355	0.601	0.000	0.000	Pass
8	765.556	1.984	0.000	0.000	Pass
9	763.455	0.067	0.000	0.000	Pass
10	766.272	1.468	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 10:35:08  
 Results file name: 98JK3508.VER  
 Inspection number:  
 Item id: PC4 201908  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 9.130 +- 0.000  
 Passive doubles bkgrnd: -0.001 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.013  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1608.943 +- 1.424  
 Doubles: 9.404 +- 0.708  
 Triples: 0.000 +- 0.000  
 Scaler 1: 266.119 +- 0.520  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	97088	10604	10062	15838	0	Pass
2	97016	10733	10204	16126	0	Pass
3	97291	10838	9957	15976	0	Pass
4	97095	10574	10113	15921	0	Pass
5	96779	10645	10101	16003	0	Pass
6	97372	10488	10071	16077	0	Pass
7	97060	10589	9942	16025	0	Pass
8	97458	10795	10315	16113	0	Pass
9	97001	10628	9977	16159	0	Pass
10	96548	10442	9955	16041	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1609.230	9.039	0.000	0.000	Pass
2	1608.030	8.822	0.000	0.000	Pass
3	1612.614	14.692	0.000	0.000	Pass
4	1609.347	7.688	0.000	0.000	Pass
5	1604.079	9.072	0.000	0.000	Pass
6	1613.965	6.954	0.000	0.000	Pass
7	1608.763	10.790	0.000	0.000	Pass
8	1615.399	8.005	0.000	0.000	Pass
9	1607.780	10.857	0.000	0.000	Pass
10	1600.228	8.122	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: JSR\_03  
Detector id: JSR\_03  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.08.19 10:50:12  
Results file name: 98JK5012.VER  
Inspection number:  
Item id: PCS 201908  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.08.19  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.08.19

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1620  
Multiplicity deadtime: 86.5000  
Coefficient A deadtime: 0.3458  
Coefficient B deadtime: 0.0299  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 9.130 +- 0.000  
Passive doubles bkgrnd: -0.001 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 1.013  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1433.609 +- 1.405  
Doubles: 7.936 +- 0.648  
Triples: 0.000 +- 0.000  
Scaler 1: 143.135 +- 0.473  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	86519	8350	7926	8447	0	Pass
2	86217	8526	7956	8638	0	Pass
3	86263	8463	7883	8701	0	Pass
4	86699	8545	8028	8696	0	Pass
5	86447	8341	7950	8707	0	Pass
6	86783	8497	8072	8573	0	Pass
7	86249	8380	7919	8753	0	Pass
8	86877	8537	7964	8617	0	Pass
9	86531	8469	7856	8634	0	Pass
10	86950	8354	8149	8723	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1433.034	7.071	0.000	0.000	Pass
2	1427.999	9.505	0.000	0.000	Pass
3	1428.766	9.672	0.000	0.000	Pass
4	1436.034	8.622	0.000	0.000	Pass
5	1431.833	6.520	0.000	0.000	Pass
6	1437.435	7.087	0.000	0.000	Pass
7	1428.532	7.688	0.000	0.000	Pass
8	1439.002	9.555	0.000	0.000	Pass
9	1433.234	10.222	0.000	0.000	Pass
10	1440.219	3.419	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: JSR\_03  
Detector id: JSR\_03  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.08.19 13:31:55  
Results file name: 98JN3155.VER  
Inspection number:  
Item id: PC6 201908  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.08.19  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.08.19

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1620  
Multiplicity deadtime: 86.5000  
Coefficient A deadtime: 0.3458  
Coefficient B deadtime: 0.0299  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 9.130 +- 0.000  
Passive doubles bkgrnd: -0.001 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 1.013  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1942.360 +- 1.575  
Doubles: 12.456 +- 0.714  
Triples: 0.000 +- 0.000  
Scaler 1: 70.799 +- 0.195  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	116935	15441	14697	4252	0	Pass
2	117288	15543	14601	4336	0	Pass
3	117293	15390	14602	4328	0	Pass
4	116393	15261	14707	4273	0	Pass
5	117108	15458	14869	4349	0	Pass
6	117294	15401	14743	4333	0	Pass
7	116854	15370	14530	4299	0	Pass
8	117218	15499	14591	4267	0	Pass
9	116940	15360	14539	4292	0	Pass
10	117373	15515	14891	4358	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1940.116	12.409	0.000	0.000	Pass
2	1946.001	15.711	0.000	0.000	Pass
3	1946.084	13.143	0.000	0.000	Pass
4	1931.079	9.240	0.000	0.000	Pass
5	1943.000	9.824	0.000	0.000	Pass
6	1946.101	10.975	0.000	0.000	Pass
7	1938.765	14.010	0.000	0.000	Pass
8	1944.834	15.144	0.000	0.000	Pass
9	1940.199	13.693	0.000	0.000	Pass
10	1947.418	10.408	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: JSR\_03  
Detector id: JSR\_03  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.08.19 13:51:00  
Results file name: 98JN5100.VER  
Inspection number:  
Item id: PC7 201908  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.08.19  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.08.19

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1620  
Multiplicity deadtime: 86.5000  
Coefficient A deadtime: 0.3458  
Coefficient B deadtime: 0.0299  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 9.130 +- 0.000  
Passive doubles bkgrnd: -0.001 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 1.013  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 4990.641 +- 2.503  
Doubles: 103.903 +- 4.358  
Triples: 0.000 +- 0.000  
Scaler 1: 112.609 +- 0.328  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	299712	102116	96365	6956	0	Pass
2	299454	101817	95424	6815	0	Pass
3	299713	101644	95987	6735	0	Pass
4	300867	103214	95347	6873	0	Pass
5	299717	100957	95288	6787	0	Pass
6	300075	102454	95409	6836	0	Pass
7	299249	101533	95281	6810	0	Pass
8	299971	101094	96200	6800	0	Pass
9	299487	101649	95488	6753	0	Pass
10	300321	102546	96001	6808	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	4988.229	96.016	0.000	0.000	Pass
2	4983.925	106.735	0.000	0.000	Pass
3	4988.246	94.447	0.000	0.000	Pass
4	5007.496	131.345	0.000	0.000	Pass
5	4988.312	94.647	0.000	0.000	Pass
6	4994.284	117.621	0.000	0.000	Pass
7	4980.506	104.381	0.000	0.000	Pass
8	4992.549	81.708	0.000	0.000	Pass
9	4984.476	102.861	0.000	0.000	Pass
10	4998.388	109.273	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: JSR\_03  
Detector id: JSR\_03  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.08.19 14:08:04  
Results file name: 98J00804.VER  
Inspection number:  
Item id: PC8 201908  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.08.19  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.08.19

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1620  
Multiplicity deadtime: 86.5000  
Coefficient A deadtime: 0.3458  
Coefficient B deadtime: 0.0299  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 9.130 +- 0.000  
Passive doubles bkgrnd: -0.001 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 1.013  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 43582.392 +- 7.562  
Doubles: 7511.220 +- 26.150  
Triples: 0.000 +- 0.000  
Scaler 1: 350.777 +- 0.617  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2607039	7695743	7251588	21186	0	Pass
2	2607074	7695877	7247286	21157	0	Pass
3	2605781	7685407	7244228	21131	0	Pass
4	2606336	7687474	7246406	21176	0	Pass
5	2604134	7674115	7228358	21127	0	Pass
6	2604935	7677986	7248859	21079	0	Fail A/S test
7	2603846	7678557	7228660	21188	0	Pass
8	2605386	7685697	7236226	21198	0	Pass
9	2606392	7689656	7249832	20868	0	Pass
10	2603357	7667373	7232925	20916	0	Pass
11	2607191	7693482	7248564	21127	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	43605.657	7515.073	0.000	0.000	Pass
2	43606.245	7590.132	0.000	0.000	Pass
3	43584.531	7464.665	0.000	0.000	Pass
4	43593.852	7462.811	0.000	0.000	Pass
5	43556.874	7542.052	0.000	0.000	Pass
6	43570.325	7260.712	0.000	0.000	Fail A/S test
7	43552.037	7612.087	0.000	0.000	Pass
8	43577.898	7604.947	0.000	0.000	Pass
9	43594.792	7441.765	0.000	0.000	Pass
10	43543.826	7350.675	0.000	0.000	Pass
11	43608.209	7527.990	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 14:25:09  
 Results file name: 98J02509.VER  
 Inspection number:  
 Item id: PC9 201908  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 9.130 +- 0.000  
 Passive doubles bkgrnd: -0.001 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.013  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 8308.688 +- 3.364  
 Doubles: 267.541 +- 5.743  
 Triples: 0.000 +- 0.000  
 Scaler 1: 1175.342 +- 1.065  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	499019	281393	266358	70401	0	Pass
2	499605	283356	264961	70357	0	Pass
3	497821	280200	264851	70406	0	Pass
4	499542	282180	265336	70384	0	Pass
5	498440	280958	264511	70837	0	Pass
6	498985	281800	265808	70775	0	Pass
7	499126	281520	265524	70564	0	Pass
8	498476	281718	266193	70669	0	Pass
9	497956	279372	264919	70898	0	Pass
10	498133	281454	265427	70522	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	8313.840	251.306	0.000	0.000	Pass
2	8323.621	307.469	0.000	0.000	Pass
3	8293.845	256.553	0.000	0.000	Pass
4	8322.569	281.544	0.000	0.000	Pass
5	8304.176	274.906	0.000	0.000	Pass
6	8313.273	267.302	0.000	0.000	Pass
7	8315.626	267.369	0.000	0.000	Pass
8	8304.777	259.496	0.000	0.000	Pass
9	8296.098	241.577	0.000	0.000	Pass
10	8299.052	267.886	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 14:41:13  
 Results file name: 98J04113.VER  
 Inspection number:  
 Item id: PC10 201908  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 9.130 +- 0.000  
 Passive doubles bkgrnd: -0.001 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.013  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 3510.575 +- 2.422  
 Doubles: 48.655 +- 1.525  
 Triples: 0.000 +- 0.000  
 Scaler 1: 2673.340 +- 3.158  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	210644	50265	47358	160665	0	Pass
2	210959	50507	47519	159425	0	Pass
3	211131	50498	47816	160383	0	Pass
4	211997	50510	47366	160176	0	Pass
5	211661	50278	47516	160316	0	Pass
6	210796	49961	47190	161365	0	Pass
7	210954	50279	47597	160384	0	Pass
8	211292	50713	47086	160002	0	Pass
9	211260	50383	47641	160448	0	Pass
10	210486	50061	47209	161448	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3502.670	48.509	0.000	0.000	Pass
2	3507.923	49.861	0.000	0.000	Pass
3	3510.791	44.755	0.000	0.000	Pass
4	3525.234	52.465	0.000	0.000	Pass
5	3519.630	46.090	0.000	0.000	Pass
6	3505.205	46.240	0.000	0.000	Pass
7	3507.840	44.755	0.000	0.000	Pass
8	3513.476	60.524	0.000	0.000	Pass
9	3512.943	45.756	0.000	0.000	Pass
10	3500.035	47.592	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 09:43:55  
 Results file name: 98JU4355.VER  
 Inspection number:  
 Item id: PT1 201908  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.753 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.353  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	42.232 +-	0.344
Doubles:	-0.003 +-	0.026
Triples:	0.000 +-	0.000
Scaler 1:	105.090 +-	0.487
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2669	8	7	6343	0	Pass
2	2620	11	7	6380	0	Pass
3	2591	8	10	6386	0	Pass
4	2658	13	8	6411	0	Pass
5	2542	8	5	6528	0	Pass
6	2603	5	13	6177	0	Pass
7	2519	5	12	6362	0	Pass
8	2494	3	6	6483	0	Pass
9	2487	6	7	6385	0	Pass
10	2608	9	3	6411	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	43.730	0.017	0.000	0.000	Pass
2	42.913	0.067	0.000	0.000	Pass
3	42.430	-0.033	0.000	0.000	Pass
4	43.547	0.083	0.000	0.000	Pass
5	41.613	0.050	0.000	0.000	Pass
6	42.630	-0.133	0.000	0.000	Pass
7	41.230	-0.117	0.000	0.000	Pass
8	40.813	-0.050	0.000	0.000	Pass
9	40.697	-0.017	0.000	0.000	Pass
10	42.713	0.100	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 10:01:59  
 Results file name: 98JK0159.VER  
 Inspection number:  
 Item id: PT2 201908  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.753 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.353  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	65.352 +-	0.458
Doubles:	0.015 +-	0.027
Triples:	0.000 +-	0.000
Scaler 1:	181.519 +-	0.605
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	3847	17	17	11039	0	Pass
2	3880	14	17	10938	0	Pass
3	4037	17	20	10975	0	Pass
4	3960	17	16	10801	0	Pass
5	4154	19	12	11064	0	Pass
6	3904	11	17	10868	0	Pass
7	3963	29	18	10947	0	Pass
8	3937	16	15	10864	0	Pass
9	3995	21	24	11036	0	Pass
10	3986	21	17	11191	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	63.363	0.000	0.000	0.000	Pass
2	63.913	-0.050	0.000	0.000	Pass
3	66.530	-0.050	0.000	0.000	Pass
4	65.247	0.017	0.000	0.000	Pass
5	68.480	0.117	0.000	0.000	Pass
6	64.313	-0.100	0.000	0.000	Pass
7	65.297	0.183	0.000	0.000	Pass
8	64.863	0.017	0.000	0.000	Pass
9	65.830	-0.050	0.000	0.000	Pass
10	65.680	0.067	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 10:18:04  
 Results file name: 98JK1804.VER  
 Inspection number:  
 Item id: PT3 201908  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.753 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.353  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 245.972 +- 0.454  
 Doubles: 0.178 +- 0.171  
 Triples: 0.000 +- 0.000  
 Scaler 1: 57.792 +- 0.315  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	14844	238	263	3606	0	Pass
2	14653	230	212	3575	0	Pass
3	14857	225	237	3488	0	Pass
4	14800	263	234	3613	0	Pass
5	14844	237	226	3559	0	Pass
6	14789	283	206	3437	0	Pass
7	14710	224	215	3581	0	Pass
8	14791	256	227	3476	0	Pass
9	14971	247	236	3572	0	Pass
10	14776	226	266	3580	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	246.647	-0.417	0.000	0.000	Pass
2	243.463	0.300	0.000	0.000	Pass
3	246.863	-0.200	0.000	0.000	Pass
4	245.913	0.483	0.000	0.000	Pass
5	246.647	0.183	0.000	0.000	Pass
6	245.730	1.283	0.000	0.000	Pass
7	244.413	0.150	0.000	0.000	Pass
8	245.763	0.483	0.000	0.000	Pass
9	248.763	0.183	0.000	0.000	Pass
10	245.513	-0.667	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 10:35:08  
 Results file name: 98JK3508.VER  
 Inspection number:  
 Item id: PT4 201908  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.753 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.353  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 950.122 +- 1.267  
 Doubles: 3.480 +- 0.498  
 Triples: 0.000 +- 0.000  
 Scaler 1: 46.155 +- 0.347  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	57183	3767	3513	2874	0	Pass
2	57170	3823	3496	2812	0	Pass
3	57008	3722	3404	2866	0	Pass
4	57258	3822	3538	2942	0	Pass
5	56961	3565	3452	2809	0	Pass
6	57255	3680	3458	2909	0	Pass
7	56473	3509	3451	2875	0	Pass
8	56921	3588	3378	2704	0	Pass
9	57259	3677	3463	2834	0	Pass
10	57037	3599	3511	2880	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	952.297	4.233	0.000	0.000	Pass
2	952.080	5.450	0.000	0.000	Pass
3	949.380	5.300	0.000	0.000	Pass
4	953.547	4.733	0.000	0.000	Pass
5	948.597	1.883	0.000	0.000	Pass
6	953.497	3.700	0.000	0.000	Pass
7	940.463	0.967	0.000	0.000	Pass
8	947.930	3.500	0.000	0.000	Pass
9	953.563	3.567	0.000	0.000	Pass
10	949.863	1.467	0.000	0.000	Pass

(2)



INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 10:50:12  
 Results file name: 98JK5012.VER  
 Inspection number:  
 Item id: PT5 201908  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.753 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.353  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	2901.483 +-	1.651
Doubles:	33.260 +-	1.416
Triples:	0.000 +-	0.000
Scaler 1:	49.280 +-	0.272
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	174411	34582	32729	2911	0	Pass
2	173872	34442	32354	3075	0	Pass
3	174098	34101	32310	3037	0	Pass
4	174600	34432	32399	3008	0	Pass
5	174361	34455	32530	3014	0	Pass
6	173637	33794	32005	3059	0	Pass
7	174058	34493	32105	3068	0	Pass
8	174428	34537	32532	3067	0	Pass
9	173777	34496	32023	3090	0	Pass
10	174100	34087	32476	3051	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2906.097	30.883	0.000	0.000	Pass
2	2897.113	34.800	0.000	0.000	Pass
3	2900.880	29.850	0.000	0.000	Pass
4	2909.247	33.883	0.000	0.000	Pass
5	2905.263	32.083	0.000	0.000	Pass
6	2893.197	29.817	0.000	0.000	Pass
7	2900.213	39.800	0.000	0.000	Pass
8	2906.380	33.417	0.000	0.000	Pass
9	2895.530	41.217	0.000	0.000	Pass
10	2900.913	26.850	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 13:31:55  
 Results file name: 98JN3155.VER  
 Inspection number:  
 Item id: PT6 201908  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.753 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.353  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	36.780 +-	0.151
Doubles:	0.000 +-	0.020
Triples:	0.000 +-	0.000
Scaler 1:	2492.390 +-	1.923
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2294	5	2	148783	0	Pass
2	2240	4	3	150128	0	Pass
3	2219	4	3	149822	0	Pass
4	2271	4	9	149509	0	Pass
5	2255	10	3	149662	0	Pass
6	2210	3	7	149634	0	Pass
7	2272	8	5	149719	0	Pass
8	2235	4	9	149856	0	Pass
9	2236	5	5	149328	0	Pass
10	2288	8	9	149805	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	37.480	0.050	0.000	0.000	Pass
2	36.580	0.017	0.000	0.000	Pass
3	36.230	0.017	0.000	0.000	Pass
4	37.097	-0.083	0.000	0.000	Pass
5	36.830	0.117	0.000	0.000	Pass
6	36.080	-0.067	0.000	0.000	Pass
7	37.113	0.050	0.000	0.000	Pass
8	36.497	-0.083	0.000	0.000	Pass
9	36.513	0.000	0.000	0.000	Pass
10	37.380	-0.017	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 13:51:01  
 Results file name: 98JN5101.VER  
 Inspection number:  
 Item id: PT7 201908  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.753 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.353  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 32.972 +- 0.163  
 Doubles: -0.008 +- 0.015  
 Triples: 0.000 +- 0.000  
 Scaler 1: 853.569 +- 0.992  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2045	3	5	51473	0	Pass
2	1971	5	5	51289	0	Pass
3	2022	5	4	51027	0	Pass
4	2052	4	6	51142	0	Pass
5	2015	5	1	51233	0	Pass
6	2035	1	2	51367	0	Pass
7	2049	0	5	51113	0	Pass
8	2035	7	4	51497	0	Pass
9	2044	2	6	51611	0	Pass
10	1967	6	5	51201	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	33.330	-0.033	0.000	0.000	Pass
2	32.097	0.000	0.000	0.000	Pass
3	32.947	0.017	0.000	0.000	Pass
4	33.447	-0.033	0.000	0.000	Pass
5	32.830	0.067	0.000	0.000	Pass
6	33.163	-0.017	0.000	0.000	Pass
7	33.397	-0.083	0.000	0.000	Pass
8	33.163	0.050	0.000	0.000	Pass
9	33.313	-0.067	0.000	0.000	Pass
10	32.030	0.017	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 14:09:06  
 Results file name: 98J00906.VER  
 Inspection number:  
 Item id: PT8 201908  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.753 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.353  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 48.790 +- 0.213  
 Doubles: -0.012 +- 0.018  
 Triples: 0.000 +- 0.000  
 Scaler 1: 250.804 +- 0.717  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	3024	8	10	15021	0	Pass
2	2920	11	7	14808	0	Pass
3	2963	7	11	15297	0	Pass
4	2995	8	11	15093	0	Pass
5	2940	11	7	15159	0	Pass
6	2943	10	9	15185	0	Pass
7	2957	6	11	15202	0	Pass
8	3030	6	10	15197	0	Pass
9	2937	12	10	15113	0	Pass
10	3017	9	9	15219	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	49.647	-0.033	0.000	0.000	Pass
2	47.913	0.067	0.000	0.000	Pass
3	48.630	-0.067	0.000	0.000	Pass
4	49.163	-0.050	0.000	0.000	Pass
5	48.247	0.067	0.000	0.000	Pass
6	48.297	0.017	0.000	0.000	Pass
7	48.530	-0.083	0.000	0.000	Pass
8	49.747	-0.067	0.000	0.000	Pass
9	48.197	0.033	0.000	0.000	Pass
10	49.530	0.000	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 14:25:10  
 Results file name: 98J02510.VER  
 Inspection number:  
 Item id: PT9 201908  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.753 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.353  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 161.082 +- 0.457  
 Doubles: 0.058 +- 0.072  
 Triples: 0.000 +- 0.000  
 Scaler 1: 101.275 +- 0.372  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	9784	92	110	6219	0	Pass
2	9757	105	89	6144	0	Pass
3	9819	101	102	6101	0	Pass
4	9798	111	108	6272	0	Pass
5	9713	103	97	6061	0	Pass
6	9696	106	98	6113	0	Pass
7	9692	128	117	6223	0	Pass
8	9653	116	94	6215	0	Pass
9	9665	108	99	6083	0	Pass
10	9524	84	105	6146	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	162.313	-0.300	0.000	0.000	Pass
2	161.863	0.267	0.000	0.000	Pass
3	162.897	-0.017	0.000	0.000	Pass
4	162.547	0.050	0.000	0.000	Pass
5	161.130	0.100	0.000	0.000	Pass
6	160.847	0.133	0.000	0.000	Pass
7	160.780	0.183	0.000	0.000	Pass
8	160.130	0.367	0.000	0.000	Pass
9	160.330	0.150	0.000	0.000	Pass
10	157.980	-0.350	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.19 14:41:14  
 Results file name: 98J04114.VER  
 Inspection number:  
 Item id: PT10 201908  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.08.19  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.08.19  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.753 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.353  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 97.513 +- 0.305  
 Doubles: -0.027 +- 0.052  
 Triples: 0.000 +- 0.000  
 Scaler 1: 82.879 +- 0.354  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	5895	36	41	5032	0	Pass
2	5899	35	42	5065	0	Pass
3	5877	39	39	5036	0	Pass
4	5890	41	52	5031	0	Pass
5	5897	40	39	4937	0	Pass
6	5954	27	31	5189	0	Pass
7	5932	37	40	5066	0	Pass
8	5848	50	37	5056	0	Pass
9	5883	43	27	5005	0	Pass
10	5785	34	50	5122	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	97.497	-0.083	0.000	0.000	Pass
2	97.563	-0.117	0.000	0.000	Pass
3	97.197	0.000	0.000	0.000	Pass
4	97.413	-0.183	0.000	0.000	Pass
5	99.197	0.017	0.000	0.000	Pass
6	98.480	-0.067	0.000	0.000	Pass
7	98.113	-0.050	0.000	0.000	Pass
8	96.713	0.217	0.000	0.000	Pass
9	97.297	0.267	0.000	0.000	Pass
10	95.663	-0.267	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 09:08:56  
 Results file name: 991J0856.VER  
 Inspection number:  
 Item id: BB1 201909  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.742 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.342  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 41.584 +- 0.390  
 Doubles: -0.015 +- 0.021  
 Triples: 0.000 +- 0.000  
 Scaler 1: 103.508 +- 0.423  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2651	12	6	6371	0	Pass
2	2595	8	10	6378	0	Pass
3	2494	6	6	6335	0	Pass
4	2437	5	12	6232	0	Pass
5	2580	7	11	6393	0	Pass
6	2441	4	8	6171	0	Pass
7	2510	6	5	6279	0	Pass
8	2525	5	8	6322	0	Pass
9	2530	8	8	6235	0	Pass
10	2633	11	7	6194	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	43.441	0.100	0.000	0.000	Pass
2	42.508	-0.033	0.000	0.000	Pass
3	40.824	0.000	0.000	0.000	Pass
4	39.874	-0.117	0.000	0.000	Pass
5	42.258	-0.067	0.000	0.000	Pass
6	39.941	-0.067	0.000	0.000	Pass
7	41.091	0.017	0.000	0.000	Pass
8	41.341	-0.050	0.000	0.000	Pass
9	41.424	0.000	0.000	0.000	Pass
10	43.141	0.067	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 09:28:01  
 Results file name: 991J2801.VER  
 Inspection number:  
 Item id: BB2 201909  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.742 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.342  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 63.733 +- 0.279  
 Doubles: -0.037 +- 0.028  
 Triples: 0.000 +- 0.000  
 Scaler 1: 177.391 +- 0.446  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	3792	17	20	10780	0	Pass
2	3872	15	17	10683	0	Pass
3	3916	14	18	10765	0	Pass
4	3851	18	15	10679	0	Pass
5	3823	17	17	10767	0	Pass
6	3905	11	27	10674	0	Pass
7	3850	16	14	10896	0	Pass
8	3805	13	13	10650	0	Pass
9	3938	15	14	10748	0	Pass
10	3933	16	19	10598	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	62.458	-0.050	0.000	0.000	Pass
2	63.791	-0.033	0.000	0.000	Pass
3	64.524	-0.067	0.000	0.000	Pass
4	63.441	0.050	0.000	0.000	Pass
5	62.974	0.000	0.000	0.000	Pass
6	64.341	-0.267	0.000	0.000	Pass
7	63.424	0.033	0.000	0.000	Pass
8	62.674	0.000	0.000	0.000	Pass
9	64.891	0.017	0.000	0.000	Pass
10	64.808	-0.050	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 09:43:05  
 Results file name: 991J4305.VER  
 Inspection number:  
 Item id: BB3 201909  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.742 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.342  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages  
 No known alpha calibration

Results

Singles:	239.688 +-	0.577
Doubles:	0.155 +-	0.097
Triples:	0.000 +-	0.000
Scaler 1:	56.046 +-	0.351
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	14309	234	216	3521	0	Pass
2	14300	218	212	3332	0	Pass
3	14376	229	219	3470	0	Pass
4	14392	235	230	3441	0	Pass
5	14521	215	216	3446	0	Pass
6	14387	242	200	3378	0	Pass
7	14455	216	243	3407	0	Pass
8	14339	249	224	3507	0	Pass
9	14557	238	240	3394	0	Pass
10	14622	266	249	3537	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	237.741	0.300	0.000	0.000	Pass
2	237.591	0.100	0.000	0.000	Pass
3	238.858	0.167	0.000	0.000	Pass
4	239.124	0.083	0.000	0.000	Pass
5	241.274	-0.017	0.000	0.000	Pass
6	239.041	0.700	0.000	0.000	Pass
7	240.174	-0.450	0.000	0.000	Pass
8	238.241	0.417	0.000	0.000	Pass
9	241.874	-0.033	0.000	0.000	Pass
10	242.958	0.283	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 09:59:09  
 Results file name: 991J5909.VER  
 Inspection number:  
 Item id: BB4 201909  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.742 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.342  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages  
 No known alpha calibration

Results

Singles:	928.978 +-	1.181
Doubles:	3.147 +-	0.631
Triples:	0.000 +-	0.000
Scaler 1:	45.700 +-	0.310
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	55714	3560	3325	2772	0	Pass
2	55662	3386	3345	2779	0	Pass
3	55710	3474	3425	2750	0	Pass
4	56000	3631	3340	2933	0	Pass
5	55582	3494	3319	2773	0	Pass
6	56021	3503	3405	2857	0	Pass
7	56043	3624	3189	2840	0	Pass
8	56057	3616	3365	2794	0	Pass
9	55565	3422	3255	2839	0	Pass
10	55478	3432	3286	2888	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	927.824	3.917	0.000	0.000	Pass
2	926.958	0.683	0.000	0.000	Pass
3	927.758	0.817	0.000	0.000	Pass
4	932.591	4.850	0.000	0.000	Pass
5	925.624	2.917	0.000	0.000	Pass
6	932.941	1.633	0.000	0.000	Pass
7	933.308	7.250	0.000	0.000	Pass
8	933.541	4.183	0.000	0.000	Pass
9	925.341	2.783	0.000	0.000	Pass
10	923.891	2.433	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 10:15:13  
 Results file name: 991K1513.VER  
 Inspection number:  
 Item id: BBS 201909  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.742 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.342  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 2835.599 +- 1.331  
 Doubles: 30.982 +- 1.421  
 Triples: 0.000 +- 0.000  
 Scaler 1: 49.146 +- 0.300  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	169972	32432	30664	3061	0	Pass
2	170490	32904	31111	2982	0	Pass
3	170536	32986	30836	3085	0	Pass
4	169995	32714	30430	2906	0	Pass
5	170031	32800	30911	3056	0	Pass
6	169982	32779	31221	3015	0	Pass
7	170204	32746	31068	3111	0	Pass
8	169833	32223	30752	3030	0	Pass
9	170452	33124	30948	3022	0	Pass
10	170310	32790	30968	3025	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2832.124	29.467	0.000	0.000	Pass
2	2840.758	29.883	0.000	0.000	Pass
3	2841.524	35.833	0.000	0.000	Pass
4	2832.508	38.067	0.000	0.000	Pass
5	2833.108	31.483	0.000	0.000	Pass
6	2832.291	25.967	0.000	0.000	Pass
7	2835.991	27.967	0.000	0.000	Pass
8	2829.808	24.517	0.000	0.000	Pass
9	2840.124	36.267	0.000	0.000	Pass
10	2837.758	30.367	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 10:31:18  
 Results file name: 991K3118.VER  
 Inspection number:  
 Item id: BB6 201909  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.742 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.342  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 36.086 +- 0.247  
 Doubles: 0.015 +- 0.017  
 Triples: 0.000 +- 0.000  
 Scaler 1: 2441.670 +- 2.482  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2275	7	2	146918	0	Pass
2	2214	8	6	147112	0	Pass
3	2182	2	5	146071	0	Pass
4	2217	3	3	145545	0	Pass
5	2203	6	5	146379	0	Pass
6	2135	2	6	146917	0	Pass
7	2198	6	5	146575	0	Pass
8	2155	8	4	146721	0	Pass
9	2282	7	2	146709	0	Pass
10	2236	5	7	146860	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	37.174	0.083	0.000	0.000	Pass
2	36.158	0.033	0.000	0.000	Pass
3	35.624	-0.050	0.000	0.000	Pass
4	36.208	0.000	0.000	0.000	Pass
5	35.974	0.017	0.000	0.000	Pass
6	34.841	-0.067	0.000	0.000	Pass
7	35.891	0.017	0.000	0.000	Pass
8	35.174	0.067	0.000	0.000	Pass
9	37.291	0.083	0.000	0.000	Pass
10	36.524	-0.033	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 10:48:22  
 Results file name: 991K4822.VER  
 Inspection number:  
 Item id: BB7 201909  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.742 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.342  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 32.898 +- 0.218  
 Doubles: -0.012 +- 0.016  
 Triples: 0.000 +- 0.000  
 Scaler 1: 834.410 +- 1.308  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2041	6	9	50095	0	Pass
2	2054	4	3	49793	0	Pass
3	2031	8	6	49980	0	Pass
4	2001	7	12	50130	0	Pass
5	2017	8	4	50035	0	Pass
6	1936	5	5	50235	0	Pass
7	1966	2	6	50632	0	Pass
8	2016	4	3	49886	0	Pass
9	2062	7	6	50279	0	Pass
10	2060	5	9	50386	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	33.274	-0.050	0.000	0.000	Pass
2	33.491	0.017	0.000	0.000	Pass
3	33.108	0.033	0.000	0.000	Pass
4	32.608	-0.083	0.000	0.000	Pass
5	32.874	0.067	0.000	0.000	Pass
6	31.524	0.000	0.000	0.000	Pass
7	32.024	-0.067	0.000	0.000	Pass
8	32.858	0.017	0.000	0.000	Pass
9	33.624	0.017	0.000	0.000	Pass
10	33.591	-0.067	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 11:03:26  
 Results file name: 991L0326.VER  
 Inspection number:  
 Item id: BB8 201909  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.742 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.342  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 47.693 +- 0.332  
 Doubles: -0.007 +- 0.021  
 Triples: 0.000 +- 0.000  
 Scaler 1: 247.208 +- 0.652  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2952	9	9	15133	0	Pass
2	2985	9	9	14833	0	Pass
3	2952	11	11	15041	0	Pass
4	2961	7	6	14826	0	Pass
5	2856	13	12	15023	0	Pass
6	2938	7	13	14886	0	Pass
7	2798	7	6	14816	0	Pass
8	2891	14	6	14993	0	Pass
9	2904	7	11	14791	0	Pass
10	2824	5	10	14788	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	48.458	0.000	0.000	0.000	Pass
2	49.008	0.000	0.000	0.000	Pass
3	48.458	0.000	0.000	0.000	Pass
4	48.608	0.017	0.000	0.000	Pass
5	46.858	0.017	0.000	0.000	Pass
6	48.224	-0.100	0.000	0.000	Pass
7	45.891	0.017	0.000	0.000	Pass
8	47.441	0.133	0.000	0.000	Pass
9	47.658	-0.067	0.000	0.000	Pass
10	46.324	-0.083	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 11:21:31  
 Results file name: 991L2131.VER  
 Inspection number:  
 Item id: 889 201909  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.742 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.342  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 160.156 +- 0.489  
 Doubles: -0.045 +- 0.085  
 Triples: 0.000 +- 0.000  
 Scaler 1: 99.611 +- 0.479  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	9788	109	111	6060	0	Pass
2	9673	99	115	5933	0	Pass
3	9595	90	109	6068	0	Pass
4	9621	91	96	6130	0	Pass
5	9736	96	102	6170	0	Pass
6	9651	104	96	5970	0	Pass
7	9673	94	122	5993	0	Pass
8	9667	105	96	5992	0	Pass
9	9440	118	90	6214	0	Pass
10	9695	123	119	6042	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	162.391	-0.033	0.000	0.000	Pass
2	160.474	-0.267	0.000	0.000	Pass
3	159.174	-0.317	0.000	0.000	Pass
4	159.608	-0.083	0.000	0.000	Pass
5	161.524	-0.100	0.000	0.000	Pass
6	160.108	0.133	0.000	0.000	Pass
7	160.474	-0.467	0.000	0.000	Pass
8	160.374	0.150	0.000	0.000	Pass
9	156.591	0.467	0.000	0.000	Pass
10	160.841	0.067	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 13:20:03  
 Results file name: 991N2003.VER  
 Inspection number:  
 Item id: BB10 201909  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.742 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.342  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 95.979 +- 0.213  
 Doubles: 0.057 +- 0.032  
 Triples: 0.000 +- 0.000  
 Scaler 1: 80.763 +- 0.263  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	5842	39	35	4876	0	Pass
2	5835	40	32	5009	0	Pass
3	5808	34	40	4922	0	Pass
4	5761	34	37	4881	0	Pass
5	5804	39	33	4975	0	Pass
6	5839	30	32	4915	0	Pass
7	5863	50	35	4878	0	Pass
8	5755	49	43	4987	0	Pass
9	5759	34	33	4941	0	Pass
10	5767	34	29	4879	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	96.624	0.067	0.000	0.000	Pass
2	96.508	0.133	0.000	0.000	Pass
3	96.058	-0.100	0.000	0.000	Pass
4	95.274	-0.050	0.000	0.000	Pass
5	95.991	0.100	0.000	0.000	Pass
6	96.574	-0.033	0.000	0.000	Pass
7	96.974	0.250	0.000	0.000	Pass
8	95.174	0.100	0.000	0.000	Pass
9	95.241	0.017	0.000	0.000	Pass
10	95.374	0.083	0.000	0.000	Pass

(2)



INCC 5.1.2

Facility: JMOX
Material balance area: JM2G
Detector type: JSR\_01
Detector id: JSR\_01
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 19.09.18 09:09:04
Results file name: 991J0904.VER
Inspection number:
Item id: BC1 201909
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: CO
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 19.09.18
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 19.09.18

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.1970
Multiplicity deadtime: 160.0000
Coefficient A deadtime: 0.6419
Coefficient B deadtime: 0.1030
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 7.309 +- 0.000
Passive doubles bkgrnd: 0.006 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.871
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1405.620 +- 1.574
Doubles: 8.228 +- 0.704
Triples: 0.000 +- 0.000
Scaler 1: 2718.630 +- 2.259
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Passive cycle rate data

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-10 showing cycle rate data.

(2)

INCC 5.1.2

Facility: JMOX
Material balance area: JM2G
Detector type: JSR\_01
Detector id: JSR\_01
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 19.09.18 09:27:09
Results file name: 991J2709.VER
Inspection number:
Item id: BC2 201909
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: CO
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 19.09.18
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 19.09.18

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.1970
Multiplicity deadtime: 160.0000
Coefficient A deadtime: 0.6419
Coefficient B deadtime: 0.1030
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 7.309 +- 0.000
Passive doubles bkgrnd: 0.006 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.871
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 3753.612 +- 2.188
Doubles: 61.018 +- 1.378
Triples: 0.000 +- 0.000
Scaler 1: 669.557 +- 1.134
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Passive cycle rate data

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-10 showing cycle rate data.

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: JSR\_01  
Detector id: JSR\_01  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.09.18 09:43:13  
Results file name: 991J4313.VER  
Inspection number:  
Item id: BC3 201909  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.09.18  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.09.18

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1970  
Multiplicity deadtime: 160.0000  
Coefficient A deadtime: 0.6419  
Coefficient B deadtime: 0.1030  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 7.309 +- 0.000  
Passive doubles bkgrnd: 0.006 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.871  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 52296.207 +- 11.977  
Doubles: 11313.595 +- 34.877  
Triples: 0.000 +- 0.000  
Scaler 1: 166.279 +- 0.442  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	3107837	10956652	10297244	10038	0	Pass
2	3112489	10986174	10333328	10045	0	Pass
3	3110649	10980004	10318191	10126	0	Pass
4	3112241	10985170	10323983	9931	0	Pass
5	3109877	10972271	10311952	10129	0	Pass
6	3114535	10995142	10345294	10038	0	Pass
7	3115473	11015614	10351697	9998	0	Pass
8	3111763	10989949	10331671	9874	0	Pass
9	3111495	10982044	10329176	9994	0	Pass
10	3113477	10988899	10345319	10117	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	52225.925	11364.818	0.000	0.000	Pass
2	52304.773	11252.291	0.000	0.000	Pass
3	52273.586	11406.616	0.000	0.000	Pass
4	52300.569	11396.024	0.000	0.000	Pass
5	52260.501	11380.771	0.000	0.000	Pass
6	52339.451	11200.868	0.000	0.000	Pass
7	52355.350	11443.480	0.000	0.000	Pass
8	52292.468	11345.827	0.000	0.000	Pass
9	52287.925	11252.549	0.000	0.000	Pass
10	52321.519	11092.704	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: JSR\_01  
Detector id: JSR\_01  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.09.18 09:59:17  
Results file name: 991J5917.VER  
Inspection number:  
Item id: BC4 201909  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.09.18  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.09.18

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1970  
Multiplicity deadtime: 160.0000  
Coefficient A deadtime: 0.6419  
Coefficient B deadtime: 0.1030  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 7.309 +- 0.000  
Passive doubles bkgrnd: 0.006 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.871  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 6719.449 +- 4.799  
Doubles: 187.966 +- 3.004  
Triples: 0.000 +- 0.000  
Scaler 1: 56.177 +- 0.234  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	401588	182485	172634	3480	0	Pass
2	403587	185227	173426	3420	0	Pass
3	404033	185324	174046	3449	0	Pass
4	403890	185705	174108	3347	0	Pass
5	403349	185073	173583	3481	0	Pass
6	401675	183531	172084	3387	0	Pass
7	404095	185097	174277	3455	0	Pass
8	403465	185317	173638	3382	0	Pass
9	402671	184433	173408	3431	0	Pass
10	403347	185160	173851	3397	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6693.025	164.885	0.000	0.000	Pass
2	6726.414	197.529	0.000	0.000	Pass
3	6733.863	188.776	0.000	0.000	Pass
4	6731.475	194.115	0.000	0.000	Pass
5	6722.438	192.323	0.000	0.000	Pass
6	6694.478	191.600	0.000	0.000	Pass
7	6734.899	181.110	0.000	0.000	Pass
8	6724.376	195.487	0.000	0.000	Pass
9	6711.114	184.538	0.000	0.000	Pass
10	6722.405	189.293	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 10:15:21  
 Results file name: 991K1521.VER  
 Inspection number:  
 Item id: BCS 201909  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 7.309 +- 0.000  
 Passive doubles bkgrnd: 0.006 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.871  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 2781.070 +- 1.935  
 Doubles: 32.536 +- 1.241  
 Triples: 0.000 +- 0.000  
 Scaler 1: 48.507 +- 0.319  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	167298	31531	29802	2987	0	Pass
2	167020	31798	29643	3010	0	Pass
3	167666	31874	29978	2862	0	Pass
4	166999	31859	29632	2906	0	Pass
5	166613	31585	29454	2966	0	Pass
6	167570	31845	29960	2982	0	Pass
7	167773	31707	29820	2889	0	Pass
8	167207	31799	29777	3054	0	Pass
9	167259	31571	30125	2958	0	Pass
10	166874	31540	29428	3013	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2782.240	28.862	0.000	0.000	Pass
2	2777.602	35.975	0.000	0.000	Pass
3	2788.379	31.651	0.000	0.000	Pass
4	2777.252	37.177	0.000	0.000	Pass
5	2770.813	35.574	0.000	0.000	Pass
6	2786.777	31.467	0.000	0.000	Pass
7	2790.163	31.501	0.000	0.000	Pass
8	2780.722	33.754	0.000	0.000	Pass
9	2781.589	24.137	0.000	0.000	Pass
10	2775.167	35.257	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 10:31:25  
 Results file name: 991K3125.VER  
 Inspection number:  
 Item id: BCG 201909  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 7.309 +- 0.000  
 Passive doubles bkgrnd: 0.006 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.871  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 877.975 +- 0.872  
 Doubles: 3.181 +- 0.348  
 Triples: 0.000 +- 0.000  
 Scaler 1: 70.642 +- 0.432  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	53437	3291	3000	4447	0	Pass
2	53215	3228	3092	4376	0	Pass
3	53188	3210	3098	4227	0	Pass
4	53120	3204	3004	4362	0	Pass
5	52890	3118	3009	4241	0	Pass
6	53201	3219	2956	4289	0	Pass
7	52960	3163	2944	4268	0	Pass
8	52906	3128	2985	4287	0	Pass
9	53103	3169	2991	4238	0	Pass
10	53075	3260	3000	4173	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	883.435	4.847	0.000	0.000	Pass
2	879.734	2.262	0.000	0.000	Pass
3	879.284	1.862	0.000	0.000	Pass
4	878.150	3.329	0.000	0.000	Pass
5	874.316	1.812	0.000	0.000	Pass
6	879.501	4.380	0.000	0.000	Pass
7	875.483	3.646	0.000	0.000	Pass
8	874.583	2.379	0.000	0.000	Pass
9	877.867	2.962	0.000	0.000	Pass
10	877.400	4.330	0.000	0.000	Pass

(2)

INCC 5.1.2

```

Facility: JMOX
Material balance area: JM2G
Detector type: JSR_01
Detector id: JSR_01
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 19.09.18 10:48:30
Results file name: 991K4830.VER
Inspection number:
Item id: BC7 201909
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: CO
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 19.09.18
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 19.09.18

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.1970
Multiplicity deadtime: 160.0000
Coefficient A deadtime: 0.6419
Coefficient B deadtime: 0.1030
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 7.309 +- 0.000
Passive doubles bkgrnd: 0.006 +- 0.000
    
```

(1)

```

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.871
Passive scaler2 bkgrnd: 0.000
    
```

```

Number passive cycles: 10
Count time (sec): 60
    
```

Passive error messages

No known alpha calibration

Results

```

Singles: 1077.373 +- 1.559
Doubles: 4.722 +- 0.721
Triples: 0.000 +- 0.000
Scaler 1: 115.495 +- 0.350
Scaler 2: 0.000 +- 0.000
    
```

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	65171	4865	4428	6917	0	Pass
2	64886	4721	4627	7026	0	Pass
3	64828	4673	4461	7090	0	Pass
4	65465	4674	4628	7002	0	Pass
5	65141	4752	4455	6990	0	Pass
6	65431	4937	4511	6893	0	Pass
7	64620	4838	4547	7039	0	Pass
8	65286	4865	4619	6884	0	Pass
9	65165	4837	4470	6972	0	Pass
10	64703	4852	4433	7007	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1079.064	7.282	0.000	0.000	Pass
2	1074.312	1.562	0.000	0.000	Pass
3	1073.345	3.530	0.000	0.000	Pass
4	1083.966	0.761	0.000	0.000	Pass
5	1078.564	4.948	0.000	0.000	Pass
6	1083.399	7.099	0.000	0.000	Pass
7	1069.877	4.847	0.000	0.000	Pass
8	1080.981	4.097	0.000	0.000	Pass
9	1078.964	6.115	0.000	0.000	Pass
10	1071.261	6.982	0.000	0.000	Pass

(2)

INCC 5.1.2

```

Facility: JMOX
Material balance area: JM2G
Detector type: JSR_01
Detector id: JSR_01
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 19.09.18 11:03:34
Results file name: 991L0334.VER
Inspection number:
Item id: BC8 201909
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: CO
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 19.09.18
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 19.09.18

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.1970
Multiplicity deadtime: 160.0000
Coefficient A deadtime: 0.6419
Coefficient B deadtime: 0.1030
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 7.309 +- 0.000
Passive doubles bkgrnd: 0.006 +- 0.000
    
```

(1)

```

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.871
Passive scaler2 bkgrnd: 0.000
    
```

```

Number passive cycles: 10
Count time (sec): 60
    
```

Passive error messages

No known alpha calibration

Results

```

Singles: 614.487 +- 1.096
Doubles: 1.481 +- 0.418
Triples: 0.000 +- 0.000
Scaler 1: 45.369 +- 0.345
Scaler 2: 0.000 +- 0.000
    
```

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	37042	1523	1474	2784	0	Pass
2	37110	1565	1516	2923	0	Pass
3	37555	1636	1508	2710	0	Pass
4	37287	1541	1459	2790	0	Pass
5	37303	1624	1495	2765	0	Pass
6	37007	1524	1461	2799	0	Pass
7	37402	1634	1460	2683	0	Pass
8	37529	1507	1561	2801	0	Pass
9	37242	1546	1503	2730	0	Pass
10	37563	1624	1395	2759	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	610.119	0.811	0.000	0.000	Pass
2	611.253	0.811	0.000	0.000	Pass
3	618.671	2.128	0.000	0.000	Pass
4	614.203	1.361	0.000	0.000	Pass
5	614.470	2.145	0.000	0.000	Pass
6	609.536	1.044	0.000	0.000	Pass
7	616.120	2.895	0.000	0.000	Pass
8	618.237	-0.906	0.000	0.000	Pass
9	613.453	0.711	0.000	0.000	Pass
10	618.804	3.812	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 11:21:39  
 Results file name: 991L2139.VER  
 Inspection number:  
 Item id: BC9 201909  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 7.309 +- 0.000  
 Passive doubles bkgrnd: 0.006 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.871  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	1202.188 +-	1.281
Doubles:	6.509 +-	0.546
Triples:	0.000 +-	0.000
Scaler 1:	30.465 +-	0.323
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	72727	5948	5560	1778	0	Pass
2	72220	5921	5656	1825	0	Pass
3	72466	5919	5650	1817	0	Pass
4	72660	6009	5672	1993	0	Pass
5	72866	6068	5524	1891	0	Pass
6	72589	6076	5538	1895	0	Pass
7	72693	5893	5567	1908	0	Pass
8	72234	5917	5593	1874	0	Pass
9	72825	6024	5576	1892	0	Pass
10	72277	6013	5546	1929	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1205.044	6.466	0.000	0.000	Pass
2	1196.590	4.414	0.000	0.000	Pass
3	1200.692	4.481	0.000	0.000	Pass
4	1203.927	5.615	0.000	0.000	Pass
5	1207.361	9.068	0.000	0.000	Pass
6	1202.743	8.968	0.000	0.000	Pass
7	1204.477	5.432	0.000	0.000	Pass
8	1196.824	5.398	0.000	0.000	Pass
9	1206.678	7.467	0.000	0.000	Pass
10	1197.541	7.783	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 13:21:11  
 Results file name: 991N2111.VER  
 Inspection number:  
 Item id: BC10 201909  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 7.309 +- 0.000  
 Passive doubles bkgrnd: 0.006 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.871  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	1177.478 +-	1.184
Doubles:	4.796 +-	0.537
Triples:	0.000 +-	0.000
Scaler 1:	35.182 +-	0.198
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	71212	5603	5357	2160	0	Pass
2	71471	5772	5431	2208	0	Pass
3	70840	5659	5567	2141	0	Pass
4	71164	5677	5247	2080	0	Pass
5	70858	5750	5408	2195	0	Pass
6	71108	5719	5471	2194	0	Pass
7	71213	5864	5448	2133	0	Pass
8	70835	5663	5410	2180	0	Pass
9	71223	5832	5522	2166	0	Pass
10	70813	5579	5378	2175	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1179.784	4.097	0.000	0.000	Pass
2	1184.102	5.682	0.000	0.000	Pass
3	1173.582	1.529	0.000	0.000	Pass
4	1178.984	7.166	0.000	0.000	Pass
5	1173.882	5.698	0.000	0.000	Pass
6	1178.050	4.131	0.000	0.000	Pass
7	1179.801	6.933	0.000	0.000	Pass
8	1173.498	4.214	0.000	0.000	Pass
9	1179.967	5.165	0.000	0.000	Pass
10	1173.131	3.347	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 09:09:04  
 Results file name: 991J0904.VER  
 Inspection number:  
 Item id: BT1 201909  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 7.309 +- 0.000  
 Passive doubles bkgrnd: 0.006 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.871  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1405.300 +- 1.573  
 Doubles: 8.221 +- 0.703  
 Triples: 0.000 +- 0.000  
 Scaler 1: 2718.630 +- 2.259  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	84798	8108	7703	162719	0	Pass
2	84386	8024	7760	163873	0	Pass
3	84690	8125	7578	162964	0	Pass
4	84752	7972	7676	162988	0	Pass
5	84902	8189	7706	163249	0	Pass
6	84769	8269	7602	162514	0	Pass
7	85312	8262	7644	163671	0	Pass
8	84528	8127	7593	163162	0	Pass
9	84345	8089	7501	163570	0	Pass
10	85083	8221	7687	162991	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1405.991	6.744	0.000	0.000	Pass
2	1399.125	4.394	0.000	0.000	Pass
3	1404.191	9.111	0.000	0.000	Pass
4	1405.225	4.927	0.000	0.000	Pass
5	1407.725	8.044	0.000	0.000	Pass
6	1405.508	11.111	0.000	0.000	Pass
7	1414.558	10.294	0.000	0.000	Pass
8	1401.491	8.894	0.000	0.000	Pass
9	1398.441	9.794	0.000	0.000	Pass
10	1410.741	8.894	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 09:27:09  
 Results file name: 991J2709.VER  
 Inspection number:  
 Item id: BT2 201909  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 7.309 +- 0.000  
 Passive doubles bkgrnd: 0.006 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.871  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 3751.343 +- 2.185  
 Doubles: 60.871 +- 1.374  
 Triples: 0.000 +- 0.000  
 Scaler 1: 669.557 +- 1.134  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	225650	57696	54246	40006	0	Pass
2	225394	57920	53858	40693	0	Pass
3	225704	58076	54202	39955	0	Pass
4	225477	57622	54368	40332	0	Pass
5	226327	58009	54306	40277	0	Pass
6	225794	58359	54462	40270	0	Pass
7	224947	57172	53754	40270	0	Pass
8	225011	57609	53772	40231	0	Pass
9	225720	58166	54708	40240	0	Pass
10	225167	57739	54166	39983	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3753.525	57.494	0.000	0.000	Pass
2	3749.258	67.694	0.000	0.000	Pass
3	3754.425	64.561	0.000	0.000	Pass
4	3750.641	54.227	0.000	0.000	Pass
5	3764.808	61.711	0.000	0.000	Pass
6	3755.925	64.944	0.000	0.000	Pass
7	3741.808	56.961	0.000	0.000	Pass
8	3742.875	63.944	0.000	0.000	Pass
9	3754.691	57.627	0.000	0.000	Pass
10	3745.475	59.544	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 09:43:13  
 Results file name: 991J4313.VER  
 Inspection number:  
 Item id: BT3 201909  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 7.309 +- 0.000  
 Passive doubles bkgrnd: 0.006 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.871  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 51859.085 +- 11.777  
 Doubles: 10940.101 +- 33.749  
 Triples: 0.000 +- 0.000  
 Scaler 1: 166.279 +- 0.442  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	3107837	10956652	10297244	10038	0	Pass
2	3112489	10986174	10333328	10045	0	Pass
3	3110649	10980004	10318191	10126	0	Pass
4	3112241	10985170	10323983	9931	0	Pass
5	3109877	10972271	10311952	10129	0	Pass
6	3114535	10995142	10345294	10038	0	Pass
7	3115473	11015614	10351697	9998	0	Pass
8	3111763	10989949	10331671	9874	0	Pass
9	3111495	10982044	10329176	9994	0	Pass
10	3113477	10988899	10345319	10117	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	51789.975	10990.127	0.000	0.000	Pass
2	51867.508	10880.761	0.000	0.000	Pass
3	51836.841	11030.211	0.000	0.000	Pass
4	51863.375	11019.777	0.000	0.000	Pass
5	51823.975	11005.311	0.000	0.000	Pass
6	51901.608	10830.794	0.000	0.000	Pass
7	51917.241	11065.277	0.000	0.000	Pass
8	51855.408	10971.294	0.000	0.000	Pass
9	51850.941	10881.127	0.000	0.000	Pass
10	51883.975	10726.327	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 09:59:17  
 Results file name: 991J5917.VER  
 Inspection number:  
 Item id: BT4 201909  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 7.309 +- 0.000  
 Passive doubles bkgrnd: 0.006 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.871  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 6712.191 +- 4.789  
 Doubles: 187.156 +- 2.990  
 Triples: 0.000 +- 0.000  
 Scaler 1: 56.177 +- 0.234  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	401588	182485	172634	3480	0	Pass
2	403587	185227	173426	3420	0	Pass
3	404033	185324	174046	3449	0	Pass
4	403890	185705	174108	3347	0	Pass
5	403349	185073	173583	3481	0	Pass
6	401675	183531	172084	3387	0	Pass
7	404095	185097	174277	3455	0	Pass
8	403465	185317	173638	3382	0	Pass
9	402671	184433	173408	3431	0	Pass
10	403347	185160	173851	3397	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6685.825	164.177	0.000	0.000	Pass
2	6719.141	196.677	0.000	0.000	Pass
3	6726.575	187.961	0.000	0.000	Pass
4	6724.191	193.277	0.000	0.000	Pass
5	6715.175	191.494	0.000	0.000	Pass
6	6687.275	190.777	0.000	0.000	Pass
7	6727.608	180.327	0.000	0.000	Pass
8	6717.108	194.644	0.000	0.000	Pass
9	6703.875	183.744	0.000	0.000	Pass
10	6715.141	188.477	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 10:15:21  
 Results file name: 991K1521.VER  
 Inspection number:  
 Item id: BT5 201909  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 7.309 +- 0.000  
 Passive doubles bkgrnd: 0.006 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.871  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 2779.823 +- 1.934  
 Doubles: 32.477 +- 1.238  
 Triples: 0.000 +- 0.000  
 Scaler 1: 48.507 +- 0.319  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	167298	31531	29802	2987	0	Pass
2	167020	31798	29643	3010	0	Pass
3	167666	31874	29978	2862	0	Pass
4	166999	31859	29632	2906	0	Pass
5	166613	31585	29454	2966	0	Pass
6	167570	31845	29960	2982	0	Pass
7	167773	31707	29820	2889	0	Pass
8	167207	31799	29777	3054	0	Pass
9	167259	31571	30125	2958	0	Pass
10	166874	31540	29428	3013	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2780.991	28.811	0.000	0.000	Pass
2	2776.358	35.911	0.000	0.000	Pass
3	2787.125	31.594	0.000	0.000	Pass
4	2776.008	37.111	0.000	0.000	Pass
5	2769.575	35.511	0.000	0.000	Pass
6	2785.525	31.411	0.000	0.000	Pass
7	2788.908	31.444	0.000	0.000	Pass
8	2779.475	33.694	0.000	0.000	Pass
9	2780.341	24.094	0.000	0.000	Pass
10	2773.925	35.194	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 10:31:25  
 Results file name: 991K3125.VER  
 Inspection number:  
 Item id: BT6 201909  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 7.309 +- 0.000  
 Passive doubles bkgrnd: 0.006 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.871  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 877.850 +- 0.872  
 Doubles: 3.179 +- 0.348  
 Triples: 0.000 +- 0.000  
 Scaler 1: 70.642 +- 0.432  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	53437	3291	3000	4447	0	Pass
2	53215	3228	3092	4376	0	Pass
3	53188	3210	3098	4227	0	Pass
4	53120	3204	3004	4362	0	Pass
5	52890	3118	3009	4241	0	Pass
6	53201	3219	2956	4289	0	Pass
7	52960	3163	2944	4268	0	Pass
8	52906	3128	2985	4287	0	Pass
9	53103	3169	2991	4238	0	Pass
10	53075	3260	3000	4173	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	883.308	4.844	0.000	0.000	Pass
2	879.608	2.261	0.000	0.000	Pass
3	879.158	1.861	0.000	0.000	Pass
4	878.025	3.327	0.000	0.000	Pass
5	874.191	1.811	0.000	0.000	Pass
6	879.375	4.377	0.000	0.000	Pass
7	875.358	3.644	0.000	0.000	Pass
8	874.458	2.377	0.000	0.000	Pass
9	877.741	2.961	0.000	0.000	Pass
10	877.275	4.327	0.000	0.000	Pass

(2)



INCC 5.1.2

```

Facility: JMOX
Material balance area: JM2G
Detector type: JSR_01
Detector id: JSR_01
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 19.09.18 10:48:30
Results file name: 991K4830.VER
Inspection number:
Item id: BT7 201909
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: CO
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 19.09.18
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 19.09.18

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.0080
Multiplicity deadtime: 0.0000
Coefficient A deadtime: 0.0000
Coefficient B deadtime: 0.0000
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 7.309 +- 0.000
Passive doubles bkgrnd: 0.006 +- 0.000
    
```

(1)

```

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.871
Passive scaler2 bkgrnd: 0.000
    
```

```

Number passive cycles: 10
Count time (sec): 60
    
```

Passive error messages

No known alpha calibration

Results

```

Singles: 1077.185 +- 1.558
Doubles: 4.719 +- 0.721
Triples: 0.000 +- 0.000
Scaler 1: 115.495 +- 0.350
Scaler 2: 0.000 +- 0.000
    
```

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	65171	4865	4428	6917	0	Pass
2	64886	4721	4627	7026	0	Pass
3	64828	4673	4461	7090	0	Pass
4	65465	4674	4628	7002	0	Pass
5	65141	4752	4455	6990	0	Pass
6	65431	4937	4511	6893	0	Pass
7	64620	4838	4547	7039	0	Pass
8	65286	4865	4619	6884	0	Pass
9	65165	4837	4470	6972	0	Pass
10	64703	4852	4433	7007	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1078.875	7.277	0.000	0.000	Pass
2	1074.125	1.561	0.000	0.000	Pass
3	1073.158	3.527	0.000	0.000	Pass
4	1083.775	0.761	0.000	0.000	Pass
5	1078.375	4.944	0.000	0.000	Pass
6	1083.208	7.094	0.000	0.000	Pass
7	1069.691	4.844	0.000	0.000	Pass
8	1080.791	4.094	0.000	0.000	Pass
9	1078.775	6.111	0.000	0.000	Pass
10	1071.075	6.977	0.000	0.000	Pass

(2)

INCC 5.1.2

```

Facility: JMOX
Material balance area: JM2G
Detector type: JSR_01
Detector id: JSR_01
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 19.09.18 11:03:34
Results file name: 991L0334.VER
Inspection number:
Item id: BT8 201909
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: CO
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 19.09.18
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 19.09.18

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.0080
Multiplicity deadtime: 0.0000
Coefficient A deadtime: 0.0000
Coefficient B deadtime: 0.0000
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 7.309 +- 0.000
Passive doubles bkgrnd: 0.006 +- 0.000
    
```

(1)

```

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.871
Passive scaler2 bkgrnd: 0.000
    
```

```

Number passive cycles: 10
Count time (sec): 60
    
```

Passive error messages

No known alpha calibration

Results

```

Singles: 614.425 +- 1.096
Doubles: 1.481 +- 0.417
Triples: 0.000 +- 0.000
Scaler 1: 45.369 +- 0.345
Scaler 2: 0.000 +- 0.000
    
```

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	37042	1523	1474	2784	0	Pass
2	37110	1565	1516	2923	0	Pass
3	37555	1636	1508	2710	0	Pass
4	37287	1541	1459	2790	0	Pass
5	37303	1624	1495	2765	0	Pass
6	37007	1524	1461	2799	0	Pass
7	37402	1634	1460	2683	0	Pass
8	37529	1507	1561	2801	0	Pass
9	37242	1546	1503	2730	0	Pass
10	37563	1624	1395	2759	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	610.058	0.811	0.000	0.000	Pass
2	611.191	0.811	0.000	0.000	Pass
3	618.608	2.127	0.000	0.000	Pass
4	614.141	1.361	0.000	0.000	Pass
5	614.408	2.144	0.000	0.000	Pass
6	609.475	1.044	0.000	0.000	Pass
7	616.058	2.894	0.000	0.000	Pass
8	618.175	-0.906	0.000	0.000	Pass
9	613.391	0.711	0.000	0.000	Pass
10	618.741	3.811	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 11:21:39  
 Results file name: 991L2139.VER  
 Inspection number:  
 Item id: BT9 201909  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 7.309 +- 0.000  
 Passive doubles bkgrnd: 0.006 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.871  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1201.953 +- 1.280  
 Doubles: 6.504 +- 0.546  
 Triples: 0.000 +- 0.000  
 Scaler 1: 30.465 +- 0.323  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	72727	5948	5560	1778	0	Pass
2	72220	5921	5656	1825	0	Pass
3	72466	5919	5650	1817	0	Pass
4	72660	6009	5672	1993	0	Pass
5	72866	6068	5524	1891	0	Pass
6	72589	6076	5538	1895	0	Pass
7	72693	5893	5567	1908	0	Pass
8	72234	5917	5593	1874	0	Pass
9	72825	6024	5576	1892	0	Pass
10	72277	6013	5546	1929	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1204.808	6.461	0.000	0.000	Pass
2	1196.358	4.411	0.000	0.000	Pass
3	1200.458	4.477	0.000	0.000	Pass
4	1203.691	5.611	0.000	0.000	Pass
5	1207.125	9.061	0.000	0.000	Pass
6	1202.508	8.961	0.000	0.000	Pass
7	1204.241	5.427	0.000	0.000	Pass
8	1196.591	5.394	0.000	0.000	Pass
9	1206.441	7.461	0.000	0.000	Pass
10	1197.308	7.777	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 13:21:11  
 Results file name: 991N2111.VER  
 Inspection number:  
 Item id: BT10 201909  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 7.309 +- 0.000  
 Passive doubles bkgrnd: 0.006 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.871  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1177.253 +- 1.184  
 Doubles: 4.792 +- 0.537  
 Triples: 0.000 +- 0.000  
 Scaler 1: 35.182 +- 0.198  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	71212	5603	5357	2160	0	Pass
2	71471	5772	5431	2208	0	Pass
3	70840	5659	5567	2141	0	Pass
4	71164	5677	5247	2080	0	Pass
5	70858	5750	5408	2195	0	Pass
6	71108	5719	5471	2194	0	Pass
7	71213	5864	5448	2133	0	Pass
8	70835	5663	5410	2180	0	Pass
9	71223	5832	5522	2166	0	Pass
10	70813	5579	5378	2175	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1179.558	4.094	0.000	0.000	Pass
2	1183.875	5.677	0.000	0.000	Pass
3	1173.358	1.527	0.000	0.000	Pass
4	1178.758	7.161	0.000	0.000	Pass
5	1173.658	5.694	0.000	0.000	Pass
6	1177.825	4.127	0.000	0.000	Pass
7	1179.575	6.927	0.000	0.000	Pass
8	1173.275	4.211	0.000	0.000	Pass
9	1179.741	5.161	0.000	0.000	Pass
10	1172.908	3.344	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 09:08:57  
 Results file name: 991J0857.VER  
 Inspection number:  
 Item id: PB1 201909  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 9.047 +- 0.000  
 Passive doubles bkgrnd: 0.004 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.999  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1124.656 +- 1.699  
 Doubles: 5.173 +- 0.237  
 Triples: 0.000 +- 0.000  
 Scaler 1: 53.663 +- 0.431  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	68341	5153	4802	3267	0	Pass
2	67851	5222	4879	3386	0	Pass
3	68145	5231	5026	3331	0	Pass
4	68041	5128	4833	3112	0	Pass
5	68076	5295	5008	3272	0	Pass
6	67517	5183	4846	3320	0	Pass
7	67745	5181	4821	3246	0	Pass
8	68369	5272	4959	3313	0	Pass
9	68474	5272	4950	3359	0	Pass
10	67663	5096	4803	3191	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1129.970	5.846	0.000	0.000	Pass
2	1121.803	5.713	0.000	0.000	Pass
3	1126.703	3.412	0.000	0.000	Pass
4	1124.970	4.913	0.000	0.000	Pass
5	1125.553	4.779	0.000	0.000	Pass
6	1116.236	5.612	0.000	0.000	Pass
7	1120.036	5.996	0.000	0.000	Pass
8	1130.436	5.213	0.000	0.000	Pass
9	1132.186	5.362	0.000	0.000	Pass
10	1118.670	4.879	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 09:28:02  
 Results file name: 991J2802.VER  
 Inspection number:  
 Item id: PB2 201909  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 9.047 +- 0.000  
 Passive doubles bkgrnd: 0.004 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.999  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1381.773 +- 1.103  
 Doubles: 7.551 +- 0.667  
 Triples: 0.000 +- 0.000  
 Scaler 1: 46.124 +- 0.180  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	83349	7750	7531	2830	0	Pass
2	83309	7982	7378	2807	0	Pass
3	83419	7817	7441	2866	0	Pass
4	83649	7897	7490	2830	0	Pass
5	83628	7933	7455	2867	0	Pass
6	83630	7965	7429	2846	0	Pass
7	83088	7800	7358	2793	0	Pass
8	83763	8167	7500	2846	0	Pass
9	83304	7920	7516	2756	0	Pass
10	83353	7831	7431	2833	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1380.103	3.646	0.000	0.000	Pass
2	1379.436	10.063	0.000	0.000	Pass
3	1381.270	6.263	0.000	0.000	Pass
4	1385.103	6.779	0.000	0.000	Pass
5	1384.753	7.963	0.000	0.000	Pass
6	1384.786	8.929	0.000	0.000	Pass
7	1375.753	7.362	0.000	0.000	Pass
8	1387.003	11.113	0.000	0.000	Pass
9	1379.353	6.729	0.000	0.000	Pass
10	1380.170	6.663	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 09:43:06  
 Results file name: 991J4306.VER  
 Inspection number:  
 Item id: PB3 201909  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 9.047 +- 0.000  
 Passive doubles bkgrnd: 0.004 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.999  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 744.276 +- 1.138  
 Doubles: 2.607 +- 0.317  
 Triples: 0.000 +- 0.000  
 Scaler 1: 59.448 +- 0.371  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	45111	2289	2180	3727	0	Pass
2	45176	2350	2138	3625	0	Pass
3	45377	2354	2119	3687	0	Pass
4	45350	2339	2254	3572	0	Pass
5	44826	2263	2163	3522	0	Pass
6	45313	2310	2132	3739	0	Pass
7	45184	2387	2178	3611	0	Pass
8	45574	2403	2180	3621	0	Pass
9	44958	2312	2188	3574	0	Pass
10	45125	2264	2172	3590	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	742.803	1.813	0.000	0.000	Pass
2	743.886	3.529	0.000	0.000	Pass
3	747.236	3.912	0.000	0.000	Pass
4	746.786	1.413	0.000	0.000	Pass
5	738.053	1.663	0.000	0.000	Pass
6	746.170	2.962	0.000	0.000	Pass
7	744.020	3.479	0.000	0.000	Pass
8	750.520	3.712	0.000	0.000	Pass
9	740.253	2.063	0.000	0.000	Pass
10	743.036	1.529	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 10:00:10  
 Results file name: 991K0010.VER  
 Inspection number:  
 Item id: PB4 201909  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 9.047 +- 0.000  
 Passive doubles bkgrnd: 0.004 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.999  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1573.090 +- 1.705  
 Doubles: 8.644 +- 0.682  
 Triples: 0.000 +- 0.000  
 Scaler 1: 260.713 +- 0.467  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	94753	9934	9536	15777	0	Pass
2	95108	10305	9797	15756	0	Pass
3	95325	10252	9550	15804	0	Pass
4	95158	10319	9679	15771	0	Pass
5	94569	10082	9463	15605	0	Pass
6	95388	10150	9627	15718	0	Pass
7	94773	10095	9651	15566	0	Pass
8	94681	10167	9518	15676	0	Pass
9	95071	10020	9672	15585	0	Pass
10	94456	9941	9583	15769	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1570.170	6.629	0.000	0.000	Pass
2	1576.086	8.463	0.000	0.000	Pass
3	1579.703	11.696	0.000	0.000	Pass
4	1576.920	10.663	0.000	0.000	Pass
5	1567.103	10.313	0.000	0.000	Pass
6	1580.753	8.713	0.000	0.000	Pass
7	1570.503	7.396	0.000	0.000	Pass
8	1568.970	10.813	0.000	0.000	Pass
9	1575.470	5.796	0.000	0.000	Pass
10	1565.220	5.963	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 10:15:15  
 Results file name: 991K1515.VER  
 Inspection number:  
 Item id: PBS 201909  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 9.047 +- 0.000  
 Passive doubles bkgrnd: 0.004 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.999  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1404.076 +- 2.053  
 Doubles: 7.851 +- 0.537  
 Triples: 0.000 +- 0.000  
 Scaler 1: 140.234 +- 0.468  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	84343	8150	7569	8394	0	Pass
2	84362	7850	7552	8441	0	Pass
3	84814	8061	7628	8365	0	Pass
4	84811	8128	7522	8604	0	Pass
5	85493	8318	7768	8332	0	Pass
6	84804	8265	7751	8504	0	Pass
7	84825	8212	7671	8534	0	Pass
8	84614	8176	7763	8541	0	Pass
9	85367	8338	7920	8476	0	Pass
10	84441	7950	7591	8549	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1396.670	9.679	0.000	0.000	Pass
2	1396.986	4.963	0.000	0.000	Pass
3	1404.520	7.213	0.000	0.000	Pass
4	1404.470	10.096	0.000	0.000	Pass
5	1415.836	9.162	0.000	0.000	Pass
6	1404.353	8.563	0.000	0.000	Pass
7	1404.703	9.013	0.000	0.000	Pass
8	1401.186	6.879	0.000	0.000	Pass
9	1413.736	6.963	0.000	0.000	Pass
10	1398.303	5.979	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 10:31:19  
 Results file name: 991K3119.VER  
 Inspection number:  
 Item id: PB6 201909  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 9.047 +- 0.000  
 Passive doubles bkgrnd: 0.004 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.999  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1905.673 +- 2.281  
 Doubles: 15.036 +- 0.519  
 Triples: 0.000 +- 0.000  
 Scaler 1: 69.579 +- 0.293  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	114697	14955	14125	4247	0	Pass
2	114859	15047	14049	4275	0	Pass
3	114884	14689	13905	4257	0	Pass
4	115020	14805	14011	4099	0	Pass
5	115137	15145	14312	4288	0	Pass
6	114091	14842	13941	4237	0	Pass
7	115419	15169	14273	4246	0	Pass
8	115421	14989	14065	4180	0	Pass
9	114294	14875	13779	4254	0	Pass
10	115010	14887	13919	4264	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1902.570	13.829	0.000	0.000	Pass
2	1905.270	16.629	0.000	0.000	Pass
3	1905.686	13.063	0.000	0.000	Pass
4	1907.953	13.229	0.000	0.000	Pass
5	1909.903	13.879	0.000	0.000	Pass
6	1892.470	15.013	0.000	0.000	Pass
7	1914.603	14.929	0.000	0.000	Pass
8	1914.636	15.396	0.000	0.000	Pass
9	1895.853	18.262	0.000	0.000	Pass
10	1907.786	16.129	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 10:48:24  
 Results file name: 991K4824.VER  
 Inspection number:  
 Item id: PB7 201909  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 9.047 +- 0.000  
 Passive doubles bkgrnd: 0.004 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.999  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	4897.115 +-	4.485
Doubles:	99.019 +-	1.805
Triples:	0.000 +-	0.000
Scaler 1:	110.553 +-	0.446
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	294220	97866	92199	6721	0	Pass
2	293398	97241	91823	6614	0	Pass
3	294994	98980	92410	6745	0	Pass
4	294185	98091	92439	6716	0	Pass
5	294558	98456	92296	6634	0	Pass
6	293220	97268	91260	6647	0	Pass
7	295347	98808	92852	6641	0	Pass
8	293330	98234	91984	6788	0	Pass
9	295595	99006	93324	6578	0	Pass
10	294850	98788	92737	6847	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	4894.620	94.446	0.000	0.000	Pass
2	4880.920	90.296	0.000	0.000	Pass
3	4907.520	109.496	0.000	0.000	Pass
4	4894.036	94.196	0.000	0.000	Pass
5	4900.253	102.663	0.000	0.000	Pass
6	4877.953	100.129	0.000	0.000	Pass
7	4913.403	99.263	0.000	0.000	Pass
8	4879.786	104.163	0.000	0.000	Pass
9	4917.536	94.696	0.000	0.000	Pass
10	4905.120	100.846	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 11:04:28  
 Results file name: 991L0428.VER  
 Inspection number:  
 Item id: PBB 201909  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 9.047 +- 0.000  
 Passive doubles bkgrnd: 0.004 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.999  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	42531.110 +-	12.537
Doubles:	7214.816 +-	29.980
Triples:	0.000 +-	0.000
Scaler 1:	343.943 +-	1.127
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2553142	7392515	6849464	20323	0	Pass
2	2554799	7391190	6958447	20833	0	Pass
3	2551040	7369492	6946729	20952	0	Pass
4	2550730	7373385	6943657	20790	0	Pass
5	2553385	7390505	6957291	20434	0	Pass
6	2547416	7353445	6918887	20886	0	Pass
7	2556146	7412194	6974036	20580	0	Pass
8	2552724	7392989	6956912	20899	0	Pass
9	2552239	7384229	6952830	20712	0	Pass
10	2552473	7376175	6948974	20556	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	42543.320	7384.179	0.000	0.000	Pass
2	42570.936	7212.379	0.000	0.000	Pass
3	42508.286	7046.046	0.000	0.000	Pass
4	42503.120	7162.129	0.000	0.000	Pass
5	42547.370	7220.229	0.000	0.000	Pass
6	42447.886	7242.629	0.000	0.000	Pass
7	42593.386	7302.629	0.000	0.000	Pass
8	42536.353	7267.946	0.000	0.000	Pass
9	42528.270	7189.979	0.000	0.000	Pass
10	42532.170	7120.012	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 11:21:33  
 Results file name: 991L2133.VER  
 Inspection number:  
 Item id: PB9 201909  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 9.047 +- 0.000  
 Passive doubles bkgrnd: 0.004 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.999  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	8138.446 +- 2.744
Doubles:	263.206 +- 5.538
Triples:	0.000 +- 0.000
Scaler 1:	1145.246 +- 1.385
Scaler 2:	0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	488734	270515	255057	68943	0	Pass
2	488464	271316	253944	68876	0	Pass
3	489273	272062	254479	68795	0	Pass
4	489318	270710	256066	69012	0	Pass
5	488259	269921	254429	68279	0	Pass
6	489658	272308	255747	68887	0	Pass
7	489213	271209	255503	68758	0	Pass
8	488589	270862	255517	69006	0	Pass
9	488954	270504	255982	68869	0	Pass
10	488034	270390	255147	68322	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	8136.520	257.629	0.000	0.000	Pass
2	8132.020	289.529	0.000	0.000	Pass
3	8145.503	293.046	0.000	0.000	Pass
4	8146.253	244.063	0.000	0.000	Pass
5	8128.603	258.196	0.000	0.000	Pass
6	8151.920	276.012	0.000	0.000	Pass
7	8144.503	261.762	0.000	0.000	Pass
8	8134.103	255.746	0.000	0.000	Pass
9	8140.186	242.029	0.000	0.000	Pass
10	8124.853	254.046	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 13:20:06  
 Results file name: 991N2006.VER  
 Inspection number:  
 Item id: PB10 201909  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 9.047 +- 0.000  
 Passive doubles bkgrnd: 0.004 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.999  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	3437.913 +- 1.963
Doubles:	46.061 +- 1.342
Triples:	0.000 +- 0.000
Scaler 1:	2618.851 +- 1.646
Scaler 2:	0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	206476	48080	45385	157174	0	Pass
2	206435	48271	45391	157694	0	Pass
3	207214	48508	45564	157378	0	Pass
4	206467	48075	45623	156676	0	Pass
5	207545	48676	46065	157149	0	Pass
6	206500	48104	45317	157037	0	Pass
7	206971	48532	45805	157395	0	Pass
8	206703	47990	45411	157542	0	Pass
9	206853	48680	45323	156945	0	Pass
10	207012	48599	45992	156920	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3432.220	44.912	0.000	0.000	Pass
2	3431.536	47.996	0.000	0.000	Pass
3	3444.520	49.063	0.000	0.000	Pass
4	3432.070	40.862	0.000	0.000	Pass
5	3450.036	43.512	0.000	0.000	Pass
6	3432.620	46.446	0.000	0.000	Pass
7	3440.470	45.446	0.000	0.000	Pass
8	3436.003	42.979	0.000	0.000	Pass
9	3438.503	55.946	0.000	0.000	Pass
10	3441.153	43.446	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: JSR\_03  
Detector id: JSR\_03  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.09.18 09:08:57  
Results file name: 991J0857.VER  
Inspection number:  
Item id: PC1 201909  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.09.18  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.09.18

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1620  
Multiplicity deadtime: 86.5000  
Coefficient A deadtime: 0.3458  
Coefficient B deadtime: 0.0299  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 9.047 +- 0.000  
Passive doubles bkgrnd: 0.004 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.999  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1124.767 +- 1.699  
Doubles: 5.175 +- 0.237  
Triples: 0.000 +- 0.000  
Scaler 1: 53.663 +- 0.431  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	68341	5153	4802	3267	0	Pass
2	67851	5222	4879	3386	0	Pass
3	68145	5231	5026	3331	0	Pass
4	68041	5128	4833	3112	0	Pass
5	68076	5295	5008	3272	0	Pass
6	67517	5183	4846	3320	0	Pass
7	67745	5181	4821	3246	0	Pass
8	68369	5272	4959	3313	0	Pass
9	68474	5272	4950	3359	0	Pass
10	67663	5096	4803	3191	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1130.082	5.848	0.000	0.000	Pass
2	1121.914	5.715	0.000	0.000	Pass
3	1126.814	3.414	0.000	0.000	Pass
4	1125.081	4.914	0.000	0.000	Pass
5	1125.664	4.781	0.000	0.000	Pass
6	1116.346	5.615	0.000	0.000	Pass
7	1120.147	5.998	0.000	0.000	Pass
8	1130.549	5.215	0.000	0.000	Pass
9	1132.299	5.365	0.000	0.000	Pass
10	1118.780	4.881	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: JSR\_03  
Detector id: JSR\_03  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.09.18 09:28:02  
Results file name: 991J2802.VER  
Inspection number:  
Item id: PC2 201909  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.09.18  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.09.18

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1620  
Multiplicity deadtime: 86.5000  
Coefficient A deadtime: 0.3458  
Coefficient B deadtime: 0.0299  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 9.047 +- 0.000  
Passive doubles bkgrnd: 0.004 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.999  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1381.940 +- 1.104  
Doubles: 7.554 +- 0.668  
Triples: 0.000 +- 0.000  
Scaler 1: 46.124 +- 0.180  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	83349	7750	7531	2830	0	Pass
2	83309	7982	7378	2807	0	Pass
3	83419	7817	7441	2866	0	Pass
4	83649	7897	7490	2830	0	Pass
5	83628	7933	7455	2867	0	Pass
6	83630	7965	7429	2846	0	Pass
7	83088	7800	7358	2793	0	Pass
8	83763	8167	7500	2846	0	Pass
9	83304	7920	7516	2756	0	Pass
10	83353	7831	7431	2833	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1380.270	3.648	0.000	0.000	Pass
2	1379.603	10.067	0.000	0.000	Pass
3	1381.437	6.266	0.000	0.000	Pass
4	1385.271	6.782	0.000	0.000	Pass
5	1384.921	7.966	0.000	0.000	Pass
6	1384.954	8.933	0.000	0.000	Pass
7	1375.919	7.366	0.000	0.000	Pass
8	1387.171	11.118	0.000	0.000	Pass
9	1379.520	6.732	0.000	0.000	Pass
10	1380.337	6.666	0.000	0.000	Pass

(2)



INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 09:43:06  
 Results file name: 991J4306.VER  
 Inspection number:  
 Item id: PC3 201909  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 9.047 +- 0.000  
 Passive doubles bkgrnd: 0.004 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.999  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 744.325 +- 1.138  
 Doubles: 2.608 +- 0.318  
 Triples: 0.000 +- 0.000  
 Scaler 1: 59.448 +- 0.371  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	45111	2289	2180	3727	0	Pass
2	45176	2350	2138	3625	0	Pass
3	45377	2354	2119	3687	0	Pass
4	45350	2339	2254	3572	0	Pass
5	44826	2263	2163	3522	0	Pass
6	45313	2310	2132	3739	0	Pass
7	45184	2387	2178	3611	0	Pass
8	45574	2403	2180	3621	0	Pass
9	44958	2312	2188	3574	0	Pass
10	45125	2264	2172	3590	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	742.852	1.813	0.000	0.000	Pass
2	743.935	3.530	0.000	0.000	Pass
3	747.286	3.914	0.000	0.000	Pass
4	746.836	1.413	0.000	0.000	Pass
5	738.101	1.663	0.000	0.000	Pass
6	746.219	2.963	0.000	0.000	Pass
7	744.069	3.480	0.000	0.000	Pass
8	750.570	3.713	0.000	0.000	Pass
9	740.302	2.063	0.000	0.000	Pass
10	743.085	1.530	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 10:00:10  
 Results file name: 991K0010.VER  
 Inspection number:  
 Item id: PC4 201909  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 9.047 +- 0.000  
 Passive doubles bkgrnd: 0.004 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.999  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1573.306 +- 1.706  
 Doubles: 8.649 +- 0.682  
 Triples: 0.000 +- 0.000  
 Scaler 1: 260.713 +- 0.467  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	94753	9934	9536	15777	0	Pass
2	95108	10305	9797	15756	0	Pass
3	95325	10252	9550	15804	0	Pass
4	95158	10319	9679	15771	0	Pass
5	94569	10082	9463	15605	0	Pass
6	95388	10150	9627	15718	0	Pass
7	94773	10095	9651	15566	0	Pass
8	94681	10167	9518	15676	0	Pass
9	95071	10020	9672	15585	0	Pass
10	94456	9941	9583	15769	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1570.385	6.633	0.000	0.000	Pass
2	1576.304	8.467	0.000	0.000	Pass
3	1579.921	11.702	0.000	0.000	Pass
4	1577.137	10.668	0.000	0.000	Pass
5	1567.318	10.318	0.000	0.000	Pass
6	1580.972	8.717	0.000	0.000	Pass
7	1570.719	7.400	0.000	0.000	Pass
8	1569.185	10.818	0.000	0.000	Pass
9	1575.687	5.799	0.000	0.000	Pass
10	1565.434	5.966	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 10:15:15  
 Results file name: 991K1515.VER  
 Inspection number:  
 Item id: PCS 201909  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 9.047 +- 0.000  
 Passive doubles bkgrnd: 0.004 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.999  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	1404.249 +-	2.053
Doubles:	7.855 +-	0.537
Triples:	0.000 +-	0.000
Scaler 1:	140.234 +-	0.468
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	84343	8150	7569	8394	0	Pass
2	84362	7850	7552	8441	0	Pass
3	84814	8061	7628	8365	0	Pass
4	84811	8128	7522	8604	0	Pass
5	85493	8318	7768	8332	0	Pass
6	84804	8265	7751	8504	0	Pass
7	84825	8212	7671	8534	0	Pass
8	84614	8176	7763	8541	0	Pass
9	85367	8338	7920	8476	0	Pass
10	84441	7950	7591	8549	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1396.840	9.684	0.000	0.000	Pass
2	1397.157	4.965	0.000	0.000	Pass
3	1404.692	7.216	0.000	0.000	Pass
4	1404.642	10.101	0.000	0.000	Pass
5	1416.012	9.167	0.000	0.000	Pass
6	1404.526	8.567	0.000	0.000	Pass
7	1404.876	9.017	0.000	0.000	Pass
8	1401.358	6.883	0.000	0.000	Pass
9	1413.911	6.966	0.000	0.000	Pass
10	1398.474	5.982	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 10:31:19  
 Results file name: 991K3119.VER  
 Inspection number:  
 Item id: PC6 201909  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 9.047 +- 0.000  
 Passive doubles bkgrnd: 0.004 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.999  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	1905.990 +-	2.282
Doubles:	15.046 +-	0.519
Triples:	0.000 +-	0.000
Scaler 1:	69.579 +-	0.293
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	114697	14955	14125	4247	0	Pass
2	114859	15047	14049	4275	0	Pass
3	114884	14689	13905	4257	0	Pass
4	115020	14805	14011	4099	0	Pass
5	115137	15145	14312	4288	0	Pass
6	114091	14842	13941	4237	0	Pass
7	115419	15169	14273	4246	0	Pass
8	115421	14989	14065	4180	0	Pass
9	114294	14875	13779	4254	0	Pass
10	115010	14887	13919	4264	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1902.886	13.838	0.000	0.000	Pass
2	1905.587	16.640	0.000	0.000	Pass
3	1906.003	13.071	0.000	0.000	Pass
4	1908.271	13.238	0.000	0.000	Pass
5	1910.221	13.888	0.000	0.000	Pass
6	1892.782	15.022	0.000	0.000	Pass
7	1914.923	14.939	0.000	0.000	Pass
8	1914.956	15.406	0.000	0.000	Pass
9	1896.167	18.275	0.000	0.000	Pass
10	1908.104	16.140	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 10:48:24  
 Results file name: 991K4824.VER  
 Inspection number:  
 Item id: PC7 201909  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 9.047 +- 0.000  
 Passive doubles bkgrnd: 0.004 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.999  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 4899.197 +- 4.488  
 Doubles: 99.187 +- 1.808  
 Triples: 0.000 +- 0.000  
 Scaler 1: 110.553 +- 0.446  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	294220	97866	92199	6721	0	Pass
2	293398	97241	91823	6614	0	Pass
3	294994	98980	92410	6745	0	Pass
4	294185	98091	92439	6716	0	Pass
5	294558	98456	92296	6634	0	Pass
6	293220	97268	91260	6647	0	Pass
7	295347	98808	92852	6641	0	Pass
8	293330	98234	91984	6788	0	Pass
9	295595	99006	93324	6578	0	Pass
10	294850	98788	92737	6847	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	4896.700	94.606	0.000	0.000	Pass
2	4882.988	90.449	0.000	0.000	Pass
3	4909.611	109.682	0.000	0.000	Pass
4	4896.116	94.356	0.000	0.000	Pass
5	4902.338	102.837	0.000	0.000	Pass
6	4880.019	100.299	0.000	0.000	Pass
7	4915.499	99.432	0.000	0.000	Pass
8	4881.854	104.339	0.000	0.000	Pass
9	4919.636	94.857	0.000	0.000	Pass
10	4907.209	101.017	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 11:04:28  
 Results file name: 991L0428.VER  
 Inspection number:  
 Item id: PC8 201909  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 9.047 +- 0.000  
 Passive doubles bkgrnd: 0.004 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.999  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 42688.421 +- 12.630  
 Doubles: 7322.130 +- 30.436  
 Triples: 0.000 +- 0.000  
 Scaler 1: 343.943 +- 1.127  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2553142	7392515	6849464	20323	0	Pass
2	2554799	7391190	6958447	20833	0	Pass
3	2551040	7369492	6946729	20952	0	Pass
4	2550730	7373385	6943657	20790	0	Pass
5	2553385	7390505	6957291	20434	0	Pass
6	2547416	7353445	6918887	20886	0	Pass
7	2556146	7412194	6974036	20580	0	Pass
8	2552724	7392989	6956912	20899	0	Pass
9	2552239	7384229	6952830	20712	0	Pass
10	2552473	7376175	6948974	20556	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	42700.721	7494.044	0.000	0.000	Pass
2	42728.543	7319.758	0.000	0.000	Pass
3	42665.428	7150.792	0.000	0.000	Pass
4	42660.223	7268.588	0.000	0.000	Pass
5	42704.801	7327.665	0.000	0.000	Pass
6	42604.581	7350.143	0.000	0.000	Pass
7	42751.160	7411.410	0.000	0.000	Pass
8	42693.703	7376.063	0.000	0.000	Pass
9	42685.560	7296.916	0.000	0.000	Pass
10	42689.489	7225.919	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: JSR\_03  
Detector id: JSR\_03  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.09.18 11:21:33  
Results file name: 991L2133.VER  
Inspection number:  
Item id: PC9 201909  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.09.18  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.09.18

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1620  
Multiplicity deadtime: 86.5000  
Coefficient A deadtime: 0.3458  
Coefficient B deadtime: 0.0299  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
Passive singles bkgrnd: 9.047 +- 0.000  
Passive doubles bkgrnd: 0.004 +- 0.000  
Passive triples bkgrnd: 0.000 +- 0.000

(1)

Passive scaler1 bkgrnd: 0.999  
Passive scaler2 bkgrnd: 0.000  
Number passive cycles: 10  
Count time (sec): 60

Passive error messages  
No known alpha calibration

Passive results  
Singles: 8144.191 +- 2.748  
Doubles: 263.949 +- 5.554  
Triples: 0.000 +- 0.000  
Scaler 1: 1145.246 +- 1.385  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	488734	270515	255057	68943	0	Pass
2	488464	271316	253944	68876	0	Pass
3	489273	272062	254479	68795	0	Pass
4	489318	270710	256066	69012	0	Pass
5	488259	269921	254429	68279	0	Pass
6	489658	272308	255747	68887	0	Pass
7	489213	271209	255503	68758	0	Pass
8	488589	270862	255517	69006	0	Pass
9	488954	270504	255982	68869	0	Pass
10	488034	270390	255147	68322	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	8142.262	258.356	0.000	0.000	Pass
2	8137.755	290.346	0.000	0.000	Pass
3	8151.258	293.874	0.000	0.000	Pass
4	8152.009	244.752	0.000	0.000	Pass
5	8134.334	258.924	0.000	0.000	Pass
6	8157.683	276.793	0.000	0.000	Pass
7	8150.256	262.502	0.000	0.000	Pass
8	8139.842	256.468	0.000	0.000	Pass
9	8145.934	242.713	0.000	0.000	Pass
10	8130.579	254.762	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: JSR\_03  
Detector id: JSR\_03  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.09.18 13:20:06  
Results file name: 991N2006.VER  
Inspection number:  
Item id: PC10 201909  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.09.18  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.09.18

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1620  
Multiplicity deadtime: 86.5000  
Coefficient A deadtime: 0.3458  
Coefficient B deadtime: 0.0299  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
Passive singles bkgrnd: 9.047 +- 0.000  
Passive doubles bkgrnd: 0.004 +- 0.000  
Passive triples bkgrnd: 0.000 +- 0.000

(1)

Passive scaler1 bkgrnd: 0.999  
Passive scaler2 bkgrnd: 0.000  
Number passive cycles: 10  
Count time (sec): 60

Passive error messages  
No known alpha calibration

Passive results  
Singles: 3438.941 +- 1.964  
Doubles: 46.116 +- 1.344  
Triples: 0.000 +- 0.000  
Scaler 1: 2618.851 +- 1.646  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	206476	48080	45385	157174	0	Pass
2	206435	48271	45391	157694	0	Pass
3	207214	48508	45564	157378	0	Pass
4	206467	48075	45623	156676	0	Pass
5	207545	48676	46065	157149	0	Pass
6	206500	48104	45317	157037	0	Pass
7	206971	48532	45805	157395	0	Pass
8	206703	47990	45411	157542	0	Pass
9	206853	48680	45323	156945	0	Pass
10	207012	48599	45992	156920	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3433.244	44.966	0.000	0.000	Pass
2	3432.560	48.053	0.000	0.000	Pass
3	3445.551	49.121	0.000	0.000	Pass
4	3433.094	40.911	0.000	0.000	Pass
5	3451.071	43.565	0.000	0.000	Pass
6	3433.644	46.501	0.000	0.000	Pass
7	3441.499	45.500	0.000	0.000	Pass
8	3437.029	43.030	0.000	0.000	Pass
9	3439.531	56.013	0.000	0.000	Pass
10	3442.183	43.498	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 09:08:56  
 Results file name: 991J0856.VER  
 Inspection number:  
 Item id: PT1 201909  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.742 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.342  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 41.584 +- 0.390  
 Doubles: -0.015 +- 0.021  
 Triples: 0.000 +- 0.000  
 Scaler 1: 103.508 +- 0.423  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2651	12	6	6371	0	Pass
2	2595	8	10	6378	0	Pass
3	2494	6	6	6335	0	Pass
4	2437	5	12	6232	0	Pass
5	2580	7	11	6393	0	Pass
6	2441	4	8	6171	0	Pass
7	2510	6	5	6279	0	Pass
8	2525	5	8	6322	0	Pass
9	2530	8	8	6235	0	Pass
10	2633	11	7	6194	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	43.441	0.100	0.000	0.000	Pass
2	42.508	-0.033	0.000	0.000	Pass
3	40.824	0.000	0.000	0.000	Pass
4	39.874	-0.117	0.000	0.000	Pass
5	42.258	-0.067	0.000	0.000	Pass
6	39.941	-0.067	0.000	0.000	Pass
7	41.091	0.017	0.000	0.000	Pass
8	41.341	-0.050	0.000	0.000	Pass
9	41.424	0.000	0.000	0.000	Pass
10	43.141	0.067	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 09:28:01  
 Results file name: 991J2801.VER  
 Inspection number:  
 Item id: PT2 201909  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.742 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.342  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 63.733 +- 0.279  
 Doubles: -0.037 +- 0.028  
 Triples: 0.000 +- 0.000  
 Scaler 1: 177.391 +- 0.446  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	3792	17	20	10780	0	Pass
2	3872	15	17	10683	0	Pass
3	3916	14	18	10765	0	Pass
4	3851	18	15	10679	0	Pass
5	3823	17	17	10767	0	Pass
6	3905	11	27	10674	0	Pass
7	3850	16	14	10896	0	Pass
8	3805	13	13	10650	0	Pass
9	3938	15	14	10748	0	Pass
10	3933	16	19	10598	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	62.458	-0.050	0.000	0.000	Pass
2	63.791	-0.033	0.000	0.000	Pass
3	64.524	-0.067	0.000	0.000	Pass
4	63.441	0.050	0.000	0.000	Pass
5	62.974	0.000	0.000	0.000	Pass
6	64.341	-0.267	0.000	0.000	Pass
7	63.424	0.033	0.000	0.000	Pass
8	62.674	0.000	0.000	0.000	Pass
9	64.891	0.017	0.000	0.000	Pass
10	64.808	-0.050	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 09:43:05  
 Results file name: 991J4305.VER  
 Inspection number:  
 Item id: PT3 201909  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.742 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.342  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 239.688 +- 0.577  
 Doubles: 0.155 +- 0.097  
 Triples: 0.000 +- 0.000  
 Scaler 1: 56.046 +- 0.351  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	14309	234	216	3521	0	Pass
2	14300	218	212	3332	0	Pass
3	14376	229	219	3470	0	Pass
4	14392	235	230	3441	0	Pass
5	14521	215	216	3446	0	Pass
6	14387	242	200	3378	0	Pass
7	14455	216	243	3407	0	Pass
8	14339	249	224	3507	0	Pass
9	14557	238	240	3394	0	Pass
10	14622	266	249	3537	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	237.741	0.300	0.000	0.000	Pass
2	237.591	0.100	0.000	0.000	Pass
3	238.858	0.167	0.000	0.000	Pass
4	239.124	0.083	0.000	0.000	Pass
5	241.274	-0.017	0.000	0.000	Pass
6	239.041	0.700	0.000	0.000	Pass
7	240.174	-0.450	0.000	0.000	Pass
8	238.241	0.417	0.000	0.000	Pass
9	241.874	-0.033	0.000	0.000	Pass
10	242.958	0.283	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 09:59:09  
 Results file name: 991J5909.VER  
 Inspection number:  
 Item id: PT4 201909  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.742 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.342  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 928.978 +- 1.181  
 Doubles: 3.147 +- 0.631  
 Triples: 0.000 +- 0.000  
 Scaler 1: 45.700 +- 0.310  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	55714	3560	3325	2772	0	Pass
2	55662	3386	3345	2779	0	Pass
3	55710	3474	3425	2750	0	Pass
4	56000	3631	3340	2933	0	Pass
5	55582	3494	3319	2773	0	Pass
6	56021	3503	3405	2857	0	Pass
7	56043	3624	3189	2840	0	Pass
8	56057	3616	3365	2794	0	Pass
9	55565	3422	3255	2839	0	Pass
10	55478	3432	3286	2888	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	927.824	3.917	0.000	0.000	Pass
2	926.958	0.683	0.000	0.000	Pass
3	927.758	0.817	0.000	0.000	Pass
4	932.591	4.850	0.000	0.000	Pass
5	925.624	2.917	0.000	0.000	Pass
6	932.941	1.633	0.000	0.000	Pass
7	933.308	7.250	0.000	0.000	Pass
8	933.541	4.183	0.000	0.000	Pass
9	925.341	2.783	0.000	0.000	Pass
10	923.891	2.433	0.000	0.000	Pass

(2)

INCC 5.1.2

```

Facility: JMOX
Material balance area: JM2G
Detector type: JSR_02
Detector id: JSR_02
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 19.09.18 10:15:13
Results file name: 991K1513.VER
Inspection number:
Item id: PT5 201909
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: 00
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 19.09.18
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 19.09.18

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.0126
Multiplicity deadtime: 0.0000
Coefficient A deadtime: 0.0000
Coefficient B deadtime: 0.0000
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.742 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
    
```

(1)

```

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 1.342
Passive scaler2 bkgrnd: 0.000
    
```

```

Number passive cycles: 10
Count time (sec): 60
    
```

Passive error messages

No known alpha calibration

Results

```

Singles: 2835.599 +- 1.331
Doubles: 30.982 +- 1.421
Triples: 0.000 +- 0.000
Scaler 1: 49.146 +- 0.300
Scaler 2: 0.000 +- 0.000
    
```

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	169972	32432	30664	3061	0	Pass
2	170490	32904	31111	2982	0	Pass
3	170536	32986	30836	3085	0	Pass
4	169995	32714	30430	2906	0	Pass
5	170031	32800	30911	3056	0	Pass
6	169982	32779	31221	3015	0	Pass
7	170204	32746	31068	3111	0	Pass
8	169833	32223	30752	3030	0	Pass
9	170452	33124	30948	3022	0	Pass
10	170310	32790	30968	3025	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2832.124	29.467	0.000	0.000	Pass
2	2840.758	29.883	0.000	0.000	Pass
3	2841.524	35.833	0.000	0.000	Pass
4	2832.508	38.067	0.000	0.000	Pass
5	2833.108	31.483	0.000	0.000	Pass
6	2832.291	25.967	0.000	0.000	Pass
7	2835.991	27.967	0.000	0.000	Pass
8	2829.808	24.517	0.000	0.000	Pass
9	2840.124	36.267	0.000	0.000	Pass
10	2837.758	30.367	0.000	0.000	Pass

(2)

INCC 5.1.2

```

Facility: JMOX
Material balance area: JM2G
Detector type: JSR_02
Detector id: JSR_02
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 19.09.18 10:31:18
Results file name: 991K3118.VER
Inspection number:
Item id: PT6 201909
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: 00
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 19.09.18
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 19.09.18

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.0126
Multiplicity deadtime: 0.0000
Coefficient A deadtime: 0.0000
Coefficient B deadtime: 0.0000
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.742 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
    
```

(1)

```

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 1.342
Passive scaler2 bkgrnd: 0.000
    
```

```

Number passive cycles: 10
Count time (sec): 60
    
```

Passive error messages

No known alpha calibration

Results

```

Singles: 36.086 +- 0.247
Doubles: 0.015 +- 0.017
Triples: 0.000 +- 0.000
Scaler 1: 2441.670 +- 2.482
Scaler 2: 0.000 +- 0.000
    
```

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2275	7	2	146918	0	Pass
2	2214	8	6	147112	0	Pass
3	2182	2	5	146071	0	Pass
4	2217	3	3	145545	0	Pass
5	2203	6	5	146379	0	Pass
6	2135	2	6	146917	0	Pass
7	2198	6	5	146575	0	Pass
8	2155	8	4	146721	0	Pass
9	2282	7	2	146709	0	Pass
10	2236	5	7	146860	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	37.174	0.083	0.000	0.000	Pass
2	36.158	0.033	0.000	0.000	Pass
3	35.624	-0.050	0.000	0.000	Pass
4	36.208	0.000	0.000	0.000	Pass
5	35.974	0.017	0.000	0.000	Pass
6	34.841	-0.067	0.000	0.000	Pass
7	35.891	0.017	0.000	0.000	Pass
8	35.174	0.067	0.000	0.000	Pass
9	37.291	0.083	0.000	0.000	Pass
10	36.524	-0.033	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 10:48:22  
 Results file name: 991K4822.VER  
 Inspection number:  
 Item id: PT7 201909  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.742 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.342  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 32.898 +- 0.218  
 Doubles: -0.012 +- 0.016  
 Triples: 0.000 +- 0.000  
 Scaler 1: 834.410 +- 1.308  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2041	6	9	50095	0	Pass
2	2054	4	3	49793	0	Pass
3	2031	8	6	49980	0	Pass
4	2001	7	12	50130	0	Pass
5	2017	8	4	50035	0	Pass
6	1936	5	5	50235	0	Pass
7	1966	2	6	50632	0	Pass
8	2016	4	3	49886	0	Pass
9	2062	7	6	50279	0	Pass
10	2060	5	9	50386	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	33.274	-0.050	0.000	0.000	Pass
2	33.491	0.017	0.000	0.000	Pass
3	33.108	0.033	0.000	0.000	Pass
4	32.608	-0.083	0.000	0.000	Pass
5	32.874	0.067	0.000	0.000	Pass
6	31.524	0.000	0.000	0.000	Pass
7	32.024	-0.067	0.000	0.000	Pass
8	32.858	0.017	0.000	0.000	Pass
9	33.624	0.017	0.000	0.000	Pass
10	33.591	-0.067	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.18 11:03:26  
 Results file name: 991L0326.VER  
 Inspection number:  
 Item id: PT8 201909  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.09.18  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.09.18  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.742 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 1.342  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 47.693 +- 0.332  
 Doubles: -0.007 +- 0.021  
 Triples: 0.000 +- 0.000  
 Scaler 1: 247.208 +- 0.652  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2952	9	9	15133	0	Pass
2	2985	9	9	14833	0	Pass
3	2952	11	11	15041	0	Pass
4	2961	7	6	14826	0	Pass
5	2856	13	12	15023	0	Pass
6	2938	7	13	14886	0	Pass
7	2798	7	6	14816	0	Pass
8	2891	14	6	14993	0	Pass
9	2904	7	11	14791	0	Pass
10	2824	5	10	14788	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	48.458	0.000	0.000	0.000	Pass
2	49.008	0.000	0.000	0.000	Pass
3	48.458	0.000	0.000	0.000	Pass
4	48.608	0.017	0.000	0.000	Pass
5	46.858	0.017	0.000	0.000	Pass
6	48.224	-0.100	0.000	0.000	Pass
7	45.891	0.017	0.000	0.000	Pass
8	47.441	0.133	0.000	0.000	Pass
9	47.658	-0.067	0.000	0.000	Pass
10	46.324	-0.083	0.000	0.000	Pass

(2)



INCC 5.1.2

```

Facility: JMOX
Material balance area: JM2G
Detector type: JSR_02
Detector id: JSR_02
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 19.09.18 11:21:31
Results file name: 991L2131.VER
Inspection number:
Item id: PT9 201909
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: CO
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 19.09.18
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 19.09.18

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.0126
Multiplicity deadtime: 0.0000
Coefficient A deadtime: 0.0000
Coefficient B deadtime: 0.0000
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.742 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
    
```

(1)

```

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 1.342
Passive scaler2 bkgrnd: 0.000
    
```

```

Number passive cycles: 10
Count time (sec): 60
    
```

Passive error messages

No known alpha calibration

Results

```

Singles: 160.156 +- 0.489
Doubles: -0.045 +- 0.085
Triples: 0.000 +- 0.000
Scaler 1: 99.611 +- 0.479
Scaler 2: 0.000 +- 0.000
    
```

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	9788	109	111	6060	0	Pass
2	9673	99	115	5933	0	Pass
3	9595	90	109	6068	0	Pass
4	9621	91	96	6130	0	Pass
5	9736	96	102	6170	0	Pass
6	9651	104	96	5970	0	Pass
7	9673	94	122	5993	0	Pass
8	9667	105	96	5992	0	Pass
9	9440	118	90	6214	0	Pass
10	9695	123	119	6042	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	162.391	-0.033	0.000	0.000	Pass
2	160.474	-0.267	0.000	0.000	Pass
3	159.174	-0.317	0.000	0.000	Pass
4	159.608	-0.083	0.000	0.000	Pass
5	161.524	-0.100	0.000	0.000	Pass
6	160.108	0.133	0.000	0.000	Pass
7	160.474	-0.467	0.000	0.000	Pass
8	160.374	0.150	0.000	0.000	Pass
9	156.591	0.467	0.000	0.000	Pass
10	160.841	0.067	0.000	0.000	Pass

(2)

INCC 5.1.2

```

Facility: JMOX
Material balance area: JM2G
Detector type: JSR_02
Detector id: JSR_02
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 19.09.18 13:20:03
Results file name: 991N2003.VER
Inspection number:
Item id: PT10 201909
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: CO
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 19.09.18
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 19.09.18

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.0126
Multiplicity deadtime: 0.0000
Coefficient A deadtime: 0.0000
Coefficient B deadtime: 0.0000
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.742 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
    
```

(1)

```

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 1.342
Passive scaler2 bkgrnd: 0.000
    
```

```

Number passive cycles: 10
Count time (sec): 60
    
```

Passive error messages

No known alpha calibration

Results

```

Singles: 95.979 +- 0.213
Doubles: 0.057 +- 0.032
Triples: 0.000 +- 0.000
Scaler 1: 80.763 +- 0.263
Scaler 2: 0.000 +- 0.000
    
```

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	5842	39	35	4876	0	Pass
2	5835	40	32	5009	0	Pass
3	5808	34	40	4922	0	Pass
4	5761	34	37	4881	0	Pass
5	5804	39	33	4975	0	Pass
6	5839	30	32	4915	0	Pass
7	5863	50	35	4878	0	Pass
8	5755	49	43	4987	0	Pass
9	5759	34	33	4941	0	Pass
10	5767	34	29	4879	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	96.624	0.067	0.000	0.000	Pass
2	96.508	0.133	0.000	0.000	Pass
3	96.058	-0.100	0.000	0.000	Pass
4	95.274	-0.050	0.000	0.000	Pass
5	95.991	0.100	0.000	0.000	Pass
6	96.574	-0.033	0.000	0.000	Pass
7	96.974	0.250	0.000	0.000	Pass
8	95.174	0.100	0.000	0.000	Pass
9	95.241	0.017	0.000	0.000	Pass
10	95.374	0.083	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 09:07:27  
 Results file name: 9A8J0727.VER  
 Inspection number:  
 Item id: BB1 201910  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	41.313 +-	0.220
Doubles:	0.013 +-	0.017
Triples:	0.000 +-	0.000
Scaler 1:	103.802 +-	0.473
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2502	5	5	6162	0	Pass
2	2521	9	5	6353	0	Pass
3	2476	9	8	6226	0	Pass
4	2400	8	7	6339	0	Pass
5	2476	6	4	6176	0	Pass
6	2460	4	6	6123	0	Pass
7	2498	7	11	6128	0	Pass
8	2527	11	10	6168	0	Pass
9	2507	9	2	6274	0	Pass
10	2421	5	7	6332	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	41.700	0.000	0.000	0.000	Pass
2	42.017	0.067	0.000	0.000	Pass
3	41.267	0.017	0.000	0.000	Pass
4	40.000	0.017	0.000	0.000	Pass
5	41.267	0.033	0.000	0.000	Pass
6	41.000	-0.033	0.000	0.000	Pass
7	41.633	-0.067	0.000	0.000	Pass
8	42.117	0.017	0.000	0.000	Pass
9	41.783	0.117	0.000	0.000	Pass
10	40.350	-0.033	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 09:25:32  
 Results file name: 9A8J2532.VER  
 Inspection number:  
 Item id: BB2 201910  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	63.613 +-	0.345
Doubles:	0.038 +-	0.030
Triples:	0.000 +-	0.000
Scaler 1:	176.655 +-	0.437
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	3844	12	12	10499	0	Pass
2	3746	13	11	10493	0	Pass
3	3752	20	20	10652	0	Pass
4	3722	13	6	10601	0	Pass
5	3898	14	18	10537	0	Pass
6	3903	13	13	10559	0	Pass
7	3848	21	10	10647	0	Pass
8	3813	9	16	10726	0	Pass
9	3773	19	10	10566	0	Pass
10	3869	19	14	10713	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	64.067	0.000	0.000	0.000	Pass
2	62.433	0.033	0.000	0.000	Pass
3	62.533	0.000	0.000	0.000	Pass
4	62.033	0.117	0.000	0.000	Pass
5	64.967	-0.067	0.000	0.000	Pass
6	65.050	0.000	0.000	0.000	Pass
7	64.133	0.183	0.000	0.000	Pass
8	63.550	-0.117	0.000	0.000	Pass
9	62.883	0.150	0.000	0.000	Pass
10	64.483	0.083	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 09:42:37  
 Results file name: 9A8J4237.VER  
 Inspection number:  
 Item id: BB3 201910  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60  
 Passive error messages  
 No known alpha calibration  
 Results  
 Singles: 237.955 +- 0.771  
 Doubles: 0.303 +- 0.077  
 Triples: 0.000 +- 0.000  
 Scaler 1: 56.717 +- 0.286  
 Scaler 2: 0.000 +- 0.000  
 Passive cycle raw data  

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	14085	218	205	3297	0	Pass
2	14198	240	234	3384	0	Pass
3	14285	238	195	3408	0	Pass
4	14192	226	227	3461	0	Pass
5	14343	250	225	3355	0	Pass
6	14146	210	206	3456	0	Pass
7	14305	231	216	3461	0	Pass
8	14282	238	217	3401	0	Pass
9	14621	264	224	3364	0	Pass
10	14316	241	225	3443	0	Pass

 Passive cycle rate data  

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	234.750	0.217	0.000	0.000	Pass
2	236.633	0.100	0.000	0.000	Pass
3	238.083	0.717	0.000	0.000	Pass
4	236.533	-0.017	0.000	0.000	Pass
5	239.050	0.417	0.000	0.000	Pass
6	235.767	0.067	0.000	0.000	Pass
7	238.417	0.250	0.000	0.000	Pass
8	238.033	0.350	0.000	0.000	Pass
9	243.683	0.667	0.000	0.000	Pass
10	238.600	0.267	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 09:59:42  
 Results file name: 9A8J5942.VER  
 Inspection number:  
 Item id: BB4 201910  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60  
 Passive error messages  
 No known alpha calibration  
 Results  
 Singles: 920.155 +- 1.781  
 Doubles: 3.643 +- 0.450  
 Triples: 0.000 +- 0.000  
 Scaler 1: 46.125 +- 0.247  
 Scaler 2: 0.000 +- 0.000  
 Passive cycle raw data  

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	55194	3536	3275	2751	0	Pass
2	55006	3378	3211	2778	0	Pass
3	55647	3439	3273	2679	0	Pass
4	55393	3436	3239	2840	0	Pass
5	54647	3403	3034	2807	0	Pass
6	54809	3345	3187	2812	0	Pass
7	55482	3514	3275	2719	0	Pass
8	54962	3379	3312	2771	0	Pass
9	55533	3573	3277	2769	0	Pass
10	55420	3522	3256	2749	0	Pass

 Passive cycle rate data  

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	919.900	4.350	0.000	0.000	Pass
2	916.767	2.783	0.000	0.000	Pass
3	927.450	2.767	0.000	0.000	Pass
4	923.217	3.283	0.000	0.000	Pass
5	910.783	6.150	0.000	0.000	Pass
6	913.483	2.633	0.000	0.000	Pass
7	924.700	3.983	0.000	0.000	Pass
8	916.033	1.117	0.000	0.000	Pass
9	925.550	4.933	0.000	0.000	Pass
10	923.667	4.433	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 10:14:46  
 Results file name: 9A8K1446.VER  
 Inspection number:  
 Item id: B85 201910  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 2803.300 +- 2.756  
 Doubles: 28.408 +- 1.000  
 Triples: 0.000 +- 0.000  
 Scaler 1: 49.482 +- 0.210  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	168183	32165	30285	2995	0	Pass
2	168121	32176	30393	2940	0	Pass
3	168904	32094	30669	2981	0	Pass
4	168046	31941	30170	2871	0	Pass
5	168603	31913	30334	3010	0	Pass
6	167089	31811	29792	2972	0	Pass
7	168425	32038	30302	2971	0	Pass
8	167673	31965	30149	2990	0	Pass
9	168650	31914	30454	2962	0	Pass
10	168286	31922	30346	2997	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2803.050	31.333	0.000	0.000	Pass
2	2802.017	29.717	0.000	0.000	Pass
3	2815.067	23.750	0.000	0.000	Pass
4	2800.767	29.517	0.000	0.000	Pass
5	2810.050	26.317	0.000	0.000	Pass
6	2784.817	33.650	0.000	0.000	Pass
7	2807.083	28.933	0.000	0.000	Pass
8	2794.550	30.267	0.000	0.000	Pass
9	2810.833	24.333	0.000	0.000	Pass
10	2804.767	26.267	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 10:30:51  
 Results file name: 9A8K3051.VER  
 Inspection number:  
 Item id: B86 201910  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 36.185 +- 0.212  
 Doubles: 0.015 +- 0.019  
 Triples: 0.000 +- 0.000  
 Scaler 1: 2408.080 +- 2.450  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2129	4	1	144533	0	Pass
2	2208	7	6	144059	0	Pass
3	2170	4	11	144016	0	Pass
4	2218	5	3	144378	0	Pass
5	2219	7	5	144640	0	Pass
6	2187	11	4	145436	0	Pass
7	2094	4	6	144227	0	Pass
8	2158	8	7	144752	0	Pass
9	2179	3	2	144878	0	Pass
10	2149	6	5	143929	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	35.483	0.050	0.000	0.000	Pass
2	36.800	0.017	0.000	0.000	Pass
3	36.167	-0.117	0.000	0.000	Pass
4	36.967	0.033	0.000	0.000	Pass
5	36.983	0.033	0.000	0.000	Pass
6	36.450	0.117	0.000	0.000	Pass
7	34.900	-0.033	0.000	0.000	Pass
8	35.967	0.017	0.000	0.000	Pass
9	36.317	0.017	0.000	0.000	Pass
10	35.817	0.017	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 10:47:55  
 Results file name: 9A8K4755.VER  
 Inspection number:  
 Item id: BB7 201910  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 32.972 +- 0.197  
 Doubles: 0.015 +- 0.012  
 Triples: 0.000 +- 0.000  
 Scaler 1: 826.093 +- 1.249  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	1927	4	2	49714	0	Pass
2	2011	3	5	49970	0	Pass
3	1984	3	3	49544	0	Pass
4	2045	8	3	49520	0	Pass
5	1948	7	5	49813	0	Pass
6	1978	3	3	49154	0	Pass
7	1948	6	2	49401	0	Pass
8	1955	5	5	49479	0	Pass
9	1966	6	8	49688	0	Pass
10	2021	5	5	49373	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	32.117	0.033	0.000	0.000	Pass
2	33.517	-0.033	0.000	0.000	Pass
3	33.067	0.000	0.000	0.000	Pass
4	34.083	0.083	0.000	0.000	Pass
5	32.467	0.033	0.000	0.000	Pass
6	32.967	0.000	0.000	0.000	Pass
7	32.467	0.067	0.000	0.000	Pass
8	32.583	0.000	0.000	0.000	Pass
9	32.767	-0.033	0.000	0.000	Pass
10	33.683	0.000	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 11:03:59  
 Results file name: 9A8L0359.VER  
 Inspection number:  
 Item id: BB8 201910  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 9  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 47.237 +- 0.287  
 Doubles: 0.007 +- 0.030  
 Triples: 0.000 +- 0.000  
 Scaler 1: 244.544 +- 0.511  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2762	10	5	14465	0	Pass
2	2861	8	7	14636	0	Pass
3	2836	9	11	14729	0	Pass
4	2912	1	13	14649	0	Pass
5	2866	11	5	14739	0	Pass
6	2851	10	5	14670	0	Pass
7	2745	5	5	14655	0	Pass
8	2846	13	12	14732	0	Pass
9	2829	9	9	14779	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	46.033	0.083	0.000	0.000	Pass
2	47.683	0.017	0.000	0.000	Pass
3	47.267	-0.033	0.000	0.000	Pass
4	48.533	-0.200	0.000	0.000	Pass
5	47.767	0.100	0.000	0.000	Pass
6	47.517	0.083	0.000	0.000	Pass
7	45.750	0.000	0.000	0.000	Pass
8	47.433	0.017	0.000	0.000	Pass
9	47.150	0.000	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 11:26:05  
 Results file name: 9A8L2605.VER  
 Inspection number:  
 Item id: B89 201910  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 157.500 +- 0.360  
 Doubles: 0.105 +- 0.104  
 Triples: 0.000 +- 0.000  
 Scaler 1: 99.553 +- 0.441  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	9391	89	77	5858	0	Pass
2	9444	74	77	5917	0	Pass
3	9412	102	82	6104	0	Pass
4	9338	95	86	6089	0	Pass
5	9474	94	94	5904	0	Pass
6	9429	111	90	5999	0	Pass
7	9433	115	139	5898	0	Pass
8	9505	123	77	5965	0	Pass
9	9487	92	100	5956	0	Pass
10	9587	100	110	6042	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	156.517	0.200	0.000	0.000	Pass
2	157.400	-0.050	0.000	0.000	Pass
3	156.867	0.333	0.000	0.000	Pass
4	155.633	0.150	0.000	0.000	Pass
5	157.900	0.000	0.000	0.000	Pass
6	157.150	0.350	0.000	0.000	Pass
7	157.217	-0.400	0.000	0.000	Pass
8	158.417	0.767	0.000	0.000	Pass
9	158.117	-0.133	0.000	0.000	Pass
10	159.783	-0.167	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 13:15:33  
 Results file name: 9A8N1533.VER  
 Inspection number:  
 Item id: BB10 201910  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 95.323 +- 0.344  
 Doubles: -0.005 +- 0.042  
 Triples: 0.000 +- 0.000  
 Scaler 1: 81.012 +- 0.495  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	5724	40	31	4717	0	Pass
2	5637	31	37	5000	0	Pass
3	5686	41	51	4793	0	Pass
4	5713	31	32	4844	0	Pass
5	5620	41	34	4963	0	Pass
6	5711	27	37	4957	0	Pass
7	5823	45	32	4833	0	Pass
8	5723	33	34	4902	0	Pass
9	5742	31	30	4751	0	Pass
10	5815	35	40	4847	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	95.400	0.150	0.000	0.000	Pass
2	93.950	-0.100	0.000	0.000	Pass
3	94.767	-0.167	0.000	0.000	Pass
4	95.217	-0.017	0.000	0.000	Pass
5	93.667	0.117	0.000	0.000	Pass
6	95.183	-0.167	0.000	0.000	Pass
7	97.050	0.217	0.000	0.000	Pass
8	95.383	-0.017	0.000	0.000	Pass
9	95.700	0.017	0.000	0.000	Pass
10	96.917	-0.083	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
Material balance area: JM2G  
Detector type: JSR\_01  
Detector id: JSR\_01  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.10.08 09:07:56  
Results file name: 9A8J0756.VER  
Inspection number:  
Item id: BC1 201910  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.10.08  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.10.08

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1970  
Multiplicity deadtime: 160.0000  
Coefficient A deadtime: 0.6419  
Coefficient B deadtime: 0.1030  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.000  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1390.862 +- 1.625  
Doubles: 7.463 +- 0.394  
Triples: 0.000 +- 0.000  
Scaler 1: 2681.808 +- 1.797  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	83007	7673	7312	160706	0	Pass
2	82998	7729	7362	161369	0	Pass
3	83227	7947	7452	160540	0	Pass
4	83330	7914	7421	160902	0	Pass
5	83656	7928	7413	160395	0	Pass
6	83518	7797	7460	161188	0	Pass
7	83595	7836	7397	161178	0	Pass
8	83996	7935	7503	161328	0	Pass
9	83399	7876	7308	160669	0	Pass
10	83605	7940	7473	160810	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1383.757	6.022	0.000	0.000	Pass
2	1383.607	6.122	0.000	0.000	Pass
3	1387.426	8.257	0.000	0.000	Pass
4	1389.143	8.224	0.000	0.000	Pass
5	1394.579	8.591	0.000	0.000	Pass
6	1392.278	5.622	0.000	0.000	Pass
7	1393.562	7.323	0.000	0.000	Pass
8	1400.248	7.206	0.000	0.000	Pass
9	1390.293	9.475	0.000	0.000	Pass
10	1393.728	7.790	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
Material balance area: JM2G  
Detector type: JSR\_01  
Detector id: JSR\_01  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.10.08 09:25:00  
Results file name: 9A8J2500.VER  
Inspection number:  
Item id: BC2 201910  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.10.08  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.10.08

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1970  
Multiplicity deadtime: 160.0000  
Coefficient A deadtime: 0.6419  
Coefficient B deadtime: 0.1030  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.000  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 3703.314 +- 2.459  
Doubles: 56.663 +- 1.978  
Triples: 0.000 +- 0.000  
Scaler 1: 659.330 +- 1.531  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	222591	56606	53032	39188	0	Pass
2	222405	56357	52848	39407	0	Pass
3	221673	55435	52727	39695	0	Pass
4	222611	56179	52667	39148	0	Pass
5	221628	55455	52712	40100	0	Pass
6	222227	56390	52658	39484	0	Pass
7	221531	55740	52154	39818	0	Pass
8	222168	55998	52335	39750	0	Pass
9	222443	55845	52592	39542	0	Pass
10	221391	55989	52332	39466	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3712.061	59.709	0.000	0.000	Pass
2	3708.957	58.623	0.000	0.000	Pass
3	3696.742	45.241	0.000	0.000	Pass
4	3712.394	58.339	0.000	0.000	Pass
5	3695.991	45.825	0.000	0.000	Pass
6	3705.987	62.348	0.000	0.000	Pass
7	3694.373	59.909	0.000	0.000	Pass
8	3705.002	61.195	0.000	0.000	Pass
9	3709.591	54.346	0.000	0.000	Pass
10	3692.037	61.095	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
Material balance area: JM2G  
Detector type: JSR\_01  
Detector id: JSR\_01  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.10.08 09:43:05  
Results file name: 9A8J4305.VER  
Inspection number:  
Item id: BC3 201910  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.10.08  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.10.08

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1970  
Multiplicity deadtime: 160.0000  
Coefficient A deadtime: 0.6419  
Coefficient B deadtime: 0.1030  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.000  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages  
No known alpha calibration

Results

Singles:	51552.688 +-	17.941
Doubles:	11110.038 +-	32.924
Triples:	0.000 +-	0.000
Scaler 1:	164.140 +-	0.451
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	3063609	10645238	10012076	9937	0	Pass
2	3066910	10677164	10036053	9983	0	Pass
3	3073053	10720468	10068345	9776	0	Pass
4	3066064	10679114	10031564	9920	0	Pass
5	3068661	10689659	10044437	9858	0	Pass
6	3068708	10690991	10038496	9870	0	Pass
7	3067311	10677717	10033947	9854	0	Pass
8	3061877	10639363	9990072	9807	0	Pass
9	3071454	10705084	10066341	9781	0	Pass
10	3069152	10694624	10049027	9698	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	51483.706	10907.229	0.000	0.000	Pass
2	51539.641	11044.560	0.000	0.000	Pass
3	51643.737	11235.016	0.000	0.000	Pass
4	51525.306	11155.383	0.000	0.000	Pass
5	51569.312	11115.593	0.000	0.000	Pass
6	51570.109	11240.894	0.000	0.000	Pass
7	51546.436	11090.415	0.000	0.000	Pass
8	51454.357	11184.866	0.000	0.000	Pass
9	51616.641	11004.310	0.000	0.000	Pass
10	51577.632	11122.112	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
Material balance area: JM2G  
Detector type: JSR\_01  
Detector id: JSR\_01  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.10.08 09:59:09  
Results file name: 9A8J5909.VER  
Inspection number:  
Item id: BC4 201910  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.10.08  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.10.08

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1970  
Multiplicity deadtime: 160.0000  
Coefficient A deadtime: 0.6419  
Coefficient B deadtime: 0.1030  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.000  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages  
No known alpha calibration

Results

Singles:	6636.188 +-	3.089
Doubles:	186.657 +-	4.602
Triples:	0.000 +-	0.000
Scaler 1:	56.212 +-	0.273
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	397636	178969	168158	3297	0	Pass
2	396793	179636	168445	3428	0	Pass
3	398829	181183	169051	3314	0	Pass
4	397782	179351	168136	3329	0	Pass
5	397002	179552	167597	3422	0	Pass
6	397478	178940	169546	3412	0	Pass
7	397724	178978	168635	3343	0	Pass
8	398194	180750	169059	3372	0	Pass
9	397953	179745	169032	3366	0	Pass
10	398084	181309	169236	3444	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6634.326	180.952	0.000	0.000	Pass
2	6620.246	187.311	0.000	0.000	Pass
3	6654.252	203.066	0.000	0.000	Pass
4	6636.765	187.715	0.000	0.000	Pass
5	6623.737	200.099	0.000	0.000	Pass
6	6631.687	157.235	0.000	0.000	Pass
7	6635.796	173.119	0.000	0.000	Pass
8	6643.646	195.683	0.000	0.000	Pass
9	6639.621	179.313	0.000	0.000	Pass
10	6641.809	202.076	0.000	0.000	Pass

(2)



INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 10:15:14  
 Results file name: 9A8K1514.VER  
 Inspection number:  
 Item id: BCS 201910  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 2749.351 +- 1.327  
 Doubles: 30.444 +- 1.212  
 Triples: 0.000 +- 0.000  
 Scaler 1: 49.183 +- 0.306  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	164815	30794	28794	3008	0	Pass
2	164865	30916	28819	2915	0	Pass
3	165394	30880	29216	2891	0	Pass
4	165121	31059	29516	2994	0	Pass
5	164797	30762	29066	2925	0	Pass
6	164883	30688	29124	2911	0	Pass
7	164451	30849	28707	2943	0	Pass
8	164976	31017	28957	3079	0	Pass
9	164908	30760	29085	2921	0	Pass
10	164673	30588	28795	2923	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2748.128	33.392	0.000	0.000	Pass
2	2748.962	35.012	0.000	0.000	Pass
3	2757.787	27.782	0.000	0.000	Pass
4	2753.233	25.762	0.000	0.000	Pass
5	2747.828	28.317	0.000	0.000	Pass
6	2749.263	26.113	0.000	0.000	Pass
7	2742.056	35.763	0.000	0.000	Pass
8	2750.814	34.394	0.000	0.000	Pass
9	2749.680	27.966	0.000	0.000	Pass
10	2745.760	29.936	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 10:31:18  
 Results file name: 9A8K3118.VER  
 Inspection number:  
 Item id: BCG 201910  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 872.162 +- 0.561  
 Doubles: 2.500 +- 0.388  
 Triples: 0.000 +- 0.000  
 Scaler 1: 70.203 +- 0.427  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	52370	3089	2944	4235	0	Pass
2	52173	3131	2881	4088	0	Pass
3	52490	3108	2947	4225	0	Pass
4	52307	3022	2877	4246	0	Pass
5	52214	3067	3069	4345	0	Pass
6	52330	3078	2913	4321	0	Pass
7	52407	3160	2940	4193	0	Pass
8	52373	3108	2888	4124	0	Pass
9	52171	3078	2982	4151	0	Pass
10	52389	3024	2925	4194	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	872.956	2.418	0.000	0.000	Pass
2	869.671	4.169	0.000	0.000	Pass
3	874.956	2.685	0.000	0.000	Pass
4	871.905	2.418	0.000	0.000	Pass
5	870.355	-0.033	0.000	0.000	Pass
6	872.289	2.752	0.000	0.000	Pass
7	873.572	3.669	0.000	0.000	Pass
8	873.006	3.669	0.000	0.000	Pass
9	869.638	1.601	0.000	0.000	Pass
10	873.272	1.651	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 10:47:22  
 Results file name: 9A8K4722.VER  
 Inspection number:  
 Item id: BC7 201910  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1068.455 +- 1.253  
 Doubles: 4.089 +- 0.533  
 Triples: 0.000 +- 0.000  
 Scaler 1: 113.785 +- 0.464  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	64479	4636	4412	6918	0	Pass
2	63670	4550	4306	6809	0	Pass
3	63875	4493	4379	6676	0	Pass
4	64277	4530	4423	6959	0	Pass
5	64113	4658	4435	6792	0	Pass
6	63988	4615	4312	6741	0	Pass
7	64382	4826	4364	6825	0	Pass
8	64041	4652	4417	6929	0	Pass
9	64065	4600	4292	6786	0	Pass
10	64073	4656	4424	6836	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1074.835	3.736	0.000	0.000	Pass
2	1061.347	4.069	0.000	0.000	Pass
3	1064.765	1.901	0.000	0.000	Pass
4	1071.468	1.785	0.000	0.000	Pass
5	1068.733	3.719	0.000	0.000	Pass
6	1066.649	5.053	0.000	0.000	Pass
7	1073.218	7.705	0.000	0.000	Pass
8	1067.533	3.919	0.000	0.000	Pass
9	1067.933	5.137	0.000	0.000	Pass
10	1068.066	3.869	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 11:04:27  
 Results file name: 9A8L0427.VER  
 Inspection number:  
 Item id: BC8 201910  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 618.781 +- 1.096  
 Doubles: 1.777 +- 0.322  
 Triples: 0.000 +- 0.000  
 Scaler 1: 45.593 +- 0.299  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	36889	1516	1413	2679	0	Pass
2	36770	1518	1453	2704	0	Pass
3	37341	1518	1511	2795	0	Pass
4	37220	1578	1494	2783	0	Pass
5	36921	1554	1462	2706	0	Pass
6	37334	1641	1442	2721	0	Pass
7	37277	1606	1493	2792	0	Pass
8	37077	1578	1396	2675	0	Pass
9	37322	1638	1465	2823	0	Pass
10	37081	1547	1479	2678	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	614.877	1.717	0.000	0.000	Pass
2	612.894	1.084	0.000	0.000	Pass
3	622.412	0.117	0.000	0.000	Pass
4	620.395	1.401	0.000	0.000	Pass
5	615.411	1.200	0.000	0.000	Pass
6	622.295	3.318	0.000	0.000	Pass
7	621.345	1.884	0.000	0.000	Pass
8	618.011	3.035	0.000	0.000	Pass
9	622.095	2.884	0.000	0.000	Pass
10	618.078	1.134	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
Material balance area: JM2G  
Detector type: JSR\_01  
Detector id: JSR\_01  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.10.08 11:26:32  
Results file name: 9A8L2632.VER  
Inspection number:  
Item id: BC9 201910  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.10.08  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.10.08

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1970  
Multiplicity deadtime: 160.0000  
Coefficient A deadtime: 0.6419  
Coefficient B deadtime: 0.1030  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.000  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1189.232 +- 1.680  
Doubles: 5.783 +- 0.387  
Triples: 0.000 +- 0.000  
Scaler 1: 31.873 +- 0.189  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	71719	5827	5505	1925	0	Pass
2	71578	5805	5476	1946	0	Pass
3	71213	5663	5326	1867	0	Pass
4	70876	5708	5297	1916	0	Pass
5	70934	5777	5327	1872	0	Pass
6	71038	5816	5361	1862	0	Pass
7	71597	5873	5505	1919	0	Pass
8	71461	5771	5506	1973	0	Pass
9	71272	5760	5508	1929	0	Pass
10	71715	5744	5466	1915	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1195.546	5.371	0.000	0.000	Pass
2	1193.195	5.488	0.000	0.000	Pass
3	1187.109	5.621	0.000	0.000	Pass
4	1181.491	6.855	0.000	0.000	Pass
5	1182.458	7.506	0.000	0.000	Pass
6	1184.192	7.589	0.000	0.000	Pass
7	1193.512	6.138	0.000	0.000	Pass
8	1191.244	4.420	0.000	0.000	Pass
9	1188.093	4.203	0.000	0.000	Pass
10	1195.479	4.637	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
Material balance area: JM2G  
Detector type: JSR\_01  
Detector id: JSR\_01  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.10.08 13:16:01  
Results file name: 9A8N1601.VER  
Inspection number:  
Item id: BC10 201910  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.10.08  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.10.08

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1970  
Multiplicity deadtime: 160.0000  
Coefficient A deadtime: 0.6419  
Coefficient B deadtime: 0.1030  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.000  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1168.371 +- 1.654  
Doubles: 6.268 +- 0.395  
Triples: 0.000 +- 0.000  
Scaler 1: 35.153 +- 0.208  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	70207	5657	5311	2085	0	Pass
2	69766	5645	5194	2126	0	Pass
3	69549	5459	5113	2098	0	Pass
4	70149	5652	5342	2087	0	Pass
5	70210	5586	5160	2059	0	Pass
6	70032	5499	5205	2180	0	Pass
7	69761	5570	5251	2112	0	Pass
8	70507	5745	5208	2095	0	Pass
9	70232	5625	5261	2171	0	Pass
10	70478	5636	5271	2079	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1170.336	5.771	0.000	0.000	Pass
2	1162.984	7.522	0.000	0.000	Pass
3	1159.366	5.771	0.000	0.000	Pass
4	1169.369	5.171	0.000	0.000	Pass
5	1170.386	7.105	0.000	0.000	Pass
6	1167.419	4.904	0.000	0.000	Pass
7	1162.900	5.321	0.000	0.000	Pass
8	1175.338	8.957	0.000	0.000	Pass
9	1170.753	6.071	0.000	0.000	Pass
10	1174.855	6.088	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 09:07:56  
 Results file name: 9A8J0756.VER  
 Inspection number:  
 Item id: BT1 201910  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1390.552 +- 1.624  
 Doubles: 7.457 +- 0.394  
 Triples: 0.000 +- 0.000  
 Scaler 1: 2681.808 +- 1.797  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	83007	7673	7312	160706	0	Pass
2	82998	7729	7362	161369	0	Pass
3	83227	7947	7452	160540	0	Pass
4	83330	7914	7421	160902	0	Pass
5	83656	7928	7413	160395	0	Pass
6	83518	7797	7460	161188	0	Pass
7	83595	7836	7397	161178	0	Pass
8	83996	7935	7503	161328	0	Pass
9	83399	7876	7308	160669	0	Pass
10	83605	7940	7473	160810	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1383.450	6.017	0.000	0.000	Pass
2	1383.300	6.117	0.000	0.000	Pass
3	1387.117	8.250	0.000	0.000	Pass
4	1388.833	8.217	0.000	0.000	Pass
5	1394.267	8.583	0.000	0.000	Pass
6	1391.967	5.617	0.000	0.000	Pass
7	1393.250	7.317	0.000	0.000	Pass
8	1399.933	7.200	0.000	0.000	Pass
9	1389.983	9.467	0.000	0.000	Pass
10	1393.417	7.783	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 09:25:00  
 Results file name: 9A8J2500.VER  
 Inspection number:  
 Item id: BT2 201910  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 3701.113 +- 2.456  
 Doubles: 56.528 +- 1.974  
 Triples: 0.000 +- 0.000  
 Scaler 1: 659.330 +- 1.531  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	222591	56606	53032	39188	0	Pass
2	222405	56357	52848	39407	0	Pass
3	221673	55435	52727	39695	0	Pass
4	222611	56179	52667	39148	0	Pass
5	221628	55455	52712	40100	0	Pass
6	222227	56390	52658	39484	0	Pass
7	221531	55740	52154	39818	0	Pass
8	222168	55998	52335	39750	0	Pass
9	222443	55845	52592	39542	0	Pass
10	221391	55989	52332	39466	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3709.850	59.567	0.000	0.000	Pass
2	3706.750	58.483	0.000	0.000	Pass
3	3694.550	45.133	0.000	0.000	Pass
4	3710.183	58.200	0.000	0.000	Pass
5	3693.800	45.717	0.000	0.000	Pass
6	3703.783	62.200	0.000	0.000	Pass
7	3692.183	59.767	0.000	0.000	Pass
8	3702.800	61.050	0.000	0.000	Pass
9	3707.383	54.217	0.000	0.000	Pass
10	3689.850	60.950	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 09:43:05  
 Results file name: 9A8J4305.VER  
 Inspection number:  
 Item id: BT3 201910  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 51127.998 +- 17.646  
 Doubles: 10748.440 +- 31.821  
 Triples: 0.000 +- 0.000  
 Scaler 1: 164.140 +- 0.451  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	3063609	10645238	10012076	9937	0	Pass
2	3066910	10677164	10036053	9983	0	Pass
3	3073053	10720468	10068345	9776	0	Pass
4	3066064	10679114	10031564	9920	0	Pass
5	3068661	10689659	10044437	9858	0	Pass
6	3068708	10690991	10038496	9870	0	Pass
7	3067311	10677717	10033947	9854	0	Pass
8	3061877	10639363	9990072	9807	0	Pass
9	3071454	10705084	10066341	9781	0	Pass
10	3069152	10694624	10049027	9698	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	51060.150	10552.700	0.000	0.000	Pass
2	51115.167	10685.183	0.000	0.000	Pass
3	51217.550	10868.717	0.000	0.000	Pass
4	51101.067	10792.500	0.000	0.000	Pass
5	51144.350	10753.700	0.000	0.000	Pass
6	51145.133	10874.917	0.000	0.000	Pass
7	51121.850	10729.500	0.000	0.000	Pass
8	51031.283	10821.517	0.000	0.000	Pass
9	51190.900	10645.717	0.000	0.000	Pass
10	51152.533	10759.950	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 09:59:09  
 Results file name: 9A8J5909.VER  
 Inspection number:  
 Item id: BT4 201910  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 6629.125 +- 3.082  
 Doubles: 185.863 +- 4.582  
 Triples: 0.000 +- 0.000  
 Scaler 1: 56.212 +- 0.273  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	397636	178969	168158	3297	0	Pass
2	396793	179636	168445	3428	0	Pass
3	398829	181183	169051	3314	0	Pass
4	397782	179351	168136	3329	0	Pass
5	397002	179552	167597	3422	0	Pass
6	397478	178940	169546	3412	0	Pass
7	397724	178978	168635	3343	0	Pass
8	398194	180750	169059	3372	0	Pass
9	397953	179745	169032	3366	0	Pass
10	398084	181309	169236	3444	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6627.267	180.183	0.000	0.000	Pass
2	6613.217	186.517	0.000	0.000	Pass
3	6647.150	202.200	0.000	0.000	Pass
4	6629.700	186.917	0.000	0.000	Pass
5	6616.700	199.250	0.000	0.000	Pass
6	6624.633	156.567	0.000	0.000	Pass
7	6628.733	172.383	0.000	0.000	Pass
8	6636.567	194.850	0.000	0.000	Pass
9	6632.550	178.550	0.000	0.000	Pass
10	6634.733	201.217	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 10:15:14  
 Results file name: 9A8K1514.VER  
 Inspection number:  
 Item id: BT5 201910  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 2748.138 +- 1.326  
 Doubles: 30.390 +- 1.210  
 Triples: 0.000 +- 0.000  
 Scaler 1: 49.183 +- 0.306  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	164815	30794	28794	3008	0	Pass
2	164865	30916	28819	2915	0	Pass
3	165394	30880	29216	2891	0	Pass
4	165121	31059	29516	2994	0	Pass
5	164797	30762	29066	2925	0	Pass
6	164883	30688	29124	2911	0	Pass
7	164451	30849	28707	2943	0	Pass
8	164976	31017	28957	3079	0	Pass
9	164908	30760	29085	2921	0	Pass
10	164673	30588	28795	2923	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2746.917	33.333	0.000	0.000	Pass
2	2747.750	34.950	0.000	0.000	Pass
3	2756.567	27.733	0.000	0.000	Pass
4	2752.017	25.717	0.000	0.000	Pass
5	2746.617	28.267	0.000	0.000	Pass
6	2748.050	26.067	0.000	0.000	Pass
7	2740.850	35.700	0.000	0.000	Pass
8	2749.600	34.333	0.000	0.000	Pass
9	2748.467	27.917	0.000	0.000	Pass
10	2744.550	29.883	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 10:31:18  
 Results file name: 9A8K3118.VER  
 Inspection number:  
 Item id: BT6 201910  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 872.040 +- 0.561  
 Doubles: 2.498 +- 0.388  
 Triples: 0.000 +- 0.000  
 Scaler 1: 70.203 +- 0.427  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	52370	3089	2944	4235	0	Pass
2	52173	3131	2881	4088	0	Pass
3	52490	3108	2947	4225	0	Pass
4	52307	3022	2877	4246	0	Pass
5	52214	3067	3069	4345	0	Pass
6	52330	3078	2913	4321	0	Pass
7	52407	3160	2940	4193	0	Pass
8	52373	3108	2888	4124	0	Pass
9	52171	3078	2982	4151	0	Pass
10	52389	3024	2925	4194	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	872.833	2.417	0.000	0.000	Pass
2	869.550	4.167	0.000	0.000	Pass
3	874.833	2.683	0.000	0.000	Pass
4	871.783	2.417	0.000	0.000	Pass
5	870.233	-0.033	0.000	0.000	Pass
6	872.167	2.750	0.000	0.000	Pass
7	873.450	3.667	0.000	0.000	Pass
8	872.883	3.667	0.000	0.000	Pass
9	869.517	1.600	0.000	0.000	Pass
10	873.150	1.650	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 10:47:22  
 Results file name: 9A8K4722.VER  
 Inspection number:  
 Item id: BT7 201910  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	1068.272 +-	1.252
Doubles:	4.087 +-	0.532
Triples:	0.000 +-	0.000
Scaler 1:	113.785 +-	0.464
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	64479	4636	4412	6918	0	Pass
2	63670	4550	4306	6809	0	Pass
3	63875	4493	4379	6676	0	Pass
4	64277	4530	4423	6959	0	Pass
5	64113	4658	4435	6792	0	Pass
6	63988	4615	4312	6741	0	Pass
7	64382	4826	4364	6825	0	Pass
8	64041	4652	4417	6929	0	Pass
9	64065	4600	4292	6786	0	Pass
10	64073	4656	4424	6836	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1074.650	3.733	0.000	0.000	Pass
2	1061.167	4.067	0.000	0.000	Pass
3	1064.583	1.900	0.000	0.000	Pass
4	1071.283	1.783	0.000	0.000	Pass
5	1068.550	3.717	0.000	0.000	Pass
6	1066.467	5.050	0.000	0.000	Pass
7	1073.033	7.700	0.000	0.000	Pass
8	1067.350	3.917	0.000	0.000	Pass
9	1067.750	5.133	0.000	0.000	Pass
10	1067.883	3.867	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 11:04:27  
 Results file name: 9A8L0427.VER  
 Inspection number:  
 Item id: BT8 201910  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	618.720 +-	1.095
Doubles:	1.777 +-	0.322
Triples:	0.000 +-	0.000
Scaler 1:	45.593 +-	0.299
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	36889	1516	1413	2679	0	Pass
2	36770	1518	1453	2704	0	Pass
3	37341	1518	1511	2795	0	Pass
4	37220	1578	1494	2783	0	Pass
5	36921	1554	1462	2706	0	Pass
6	37334	1641	1442	2721	0	Pass
7	37277	1606	1493	2792	0	Pass
8	37077	1578	1396	2675	0	Pass
9	37322	1638	1465	2823	0	Pass
10	37081	1547	1479	2678	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	614.817	1.717	0.000	0.000	Pass
2	612.833	1.083	0.000	0.000	Pass
3	622.350	0.117	0.000	0.000	Pass
4	620.333	1.400	0.000	0.000	Pass
5	615.350	1.200	0.000	0.000	Pass
6	622.233	3.317	0.000	0.000	Pass
7	621.283	1.883	0.000	0.000	Pass
8	617.950	3.033	0.000	0.000	Pass
9	622.033	2.883	0.000	0.000	Pass
10	618.017	1.133	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 11:26:32  
 Results file name: 9A8L2632.VER  
 Inspection number:  
 Item id: BT9 201910  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1189.005 +- 1.679  
 Doubles: 5.778 +- 0.386  
 Triples: 0.000 +- 0.000  
 Scaler 1: 31.873 +- 0.189  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	71719	5827	5505	1925	0	Pass
2	71578	5805	5476	1946	0	Pass
3	71213	5663	5326	1867	0	Pass
4	70876	5708	5297	1916	0	Pass
5	70934	5777	5327	1872	0	Pass
6	71038	5816	5361	1862	0	Pass
7	71597	5873	5505	1919	0	Pass
8	71461	5771	5506	1973	0	Pass
9	71272	5760	5508	1929	0	Pass
10	71715	5744	5466	1915	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1195.317	5.367	0.000	0.000	Pass
2	1192.967	5.483	0.000	0.000	Pass
3	1186.883	5.617	0.000	0.000	Pass
4	1181.267	6.850	0.000	0.000	Pass
5	1182.233	7.500	0.000	0.000	Pass
6	1183.967	7.583	0.000	0.000	Pass
7	1193.283	6.133	0.000	0.000	Pass
8	1191.017	4.417	0.000	0.000	Pass
9	1187.867	4.200	0.000	0.000	Pass
10	1195.250	4.633	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 13:16:01  
 Results file name: 9A8N1601.VER  
 Inspection number:  
 Item id: BT10 201910  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1168.152 +- 1.653  
 Doubles: 6.263 +- 0.395  
 Triples: 0.000 +- 0.000  
 Scaler 1: 35.153 +- 0.208  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	70207	5657	5311	2085	0	Pass
2	69766	5645	5194	2126	0	Pass
3	69549	5459	5113	2098	0	Pass
4	70149	5652	5342	2087	0	Pass
5	70210	5586	5160	2059	0	Pass
6	70032	5499	5205	2180	0	Pass
7	69761	5570	5251	2112	0	Pass
8	70507	5745	5208	2095	0	Pass
9	70232	5625	5261	2171	0	Pass
10	70478	5636	5271	2079	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1170.117	5.767	0.000	0.000	Pass
2	1162.767	7.517	0.000	0.000	Pass
3	1159.150	5.767	0.000	0.000	Pass
4	1169.150	5.167	0.000	0.000	Pass
5	1170.167	7.100	0.000	0.000	Pass
6	1167.200	4.900	0.000	0.000	Pass
7	1162.683	5.317	0.000	0.000	Pass
8	1175.117	8.950	0.000	0.000	Pass
9	1170.533	6.067	0.000	0.000	Pass
10	1174.633	6.083	0.000	0.000	Pass

(2)



INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 09:07:37  
 Results file name: 9A8J0737.VER  
 Inspection number:  
 Item id: PB1 201910  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1114.578 +- 0.791  
 Doubles: 4.128 +- 0.440  
 Triples: 0.000 +- 0.000  
 Scaler 1: 54.208 +- 0.272  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	66792	4960	4688	3278	0	Pass
2	66890	5078	4769	3368	0	Pass
3	66992	5158	4908	3226	0	Pass
4	66951	5036	4821	3262	0	Pass
5	67150	5111	4953	3244	0	Pass
6	66774	5070	4622	3183	0	Pass
7	66813	5061	4819	3202	0	Pass
8	66876	4984	4808	3252	0	Pass
9	66924	4958	4757	3284	0	Pass
10	66585	5011	4805	3226	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1113.200	4.533	0.000	0.000	Pass
2	1114.833	5.150	0.000	0.000	Pass
3	1116.533	4.167	0.000	0.000	Pass
4	1115.850	3.583	0.000	0.000	Pass
5	1119.167	2.633	0.000	0.000	Pass
6	1112.900	7.467	0.000	0.000	Pass
7	1113.550	4.033	0.000	0.000	Pass
8	1114.600	2.933	0.000	0.000	Pass
9	1115.400	3.350	0.000	0.000	Pass
10	1109.750	3.433	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 09:25:41  
 Results file name: 9A8J2541.VER  
 Inspection number:  
 Item id: PB2 201910  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1370.088 +- 1.923  
 Doubles: 6.650 +- 0.732  
 Triples: 0.000 +- 0.000  
 Scaler 1: 46.877 +- 0.304  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	82033	7493	7323	2769	0	Pass
2	82609	7691	7259	2691	0	Pass
3	82409	7582	7078	2755	0	Pass
4	82063	7862	7207	2814	0	Pass
5	82836	7796	7286	2819	0	Pass
6	81684	7534	7147	2871	0	Pass
7	81812	7525	7264	2861	0	Pass
8	82176	7512	7170	2834	0	Pass
9	82459	7726	7305	2854	0	Pass
10	81972	7479	7171	2858	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1367.217	2.833	0.000	0.000	Pass
2	1376.817	7.200	0.000	0.000	Pass
3	1373.483	8.400	0.000	0.000	Pass
4	1367.717	10.917	0.000	0.000	Pass
5	1380.600	8.500	0.000	0.000	Pass
6	1361.400	6.450	0.000	0.000	Pass
7	1363.533	4.350	0.000	0.000	Pass
8	1369.600	5.700	0.000	0.000	Pass
9	1374.317	7.017	0.000	0.000	Pass
10	1366.200	5.133	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 09:42:46  
 Results file name: 9A8J4246.VER  
 Inspection number:  
 Item id: PB3 201910  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60  
 Passive error messages  
 No known alpha calibration  
 Results  
 Singles: 739.452 +- 1.198  
 Doubles: 1.913 +- 0.514  
 Triples: 0.000 +- 0.000  
 Scaler 1: 59.852 +- 0.273  
 Scaler 2: 0.000 +- 0.000  
 Passive cycle raw data  

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	44140	2079	2151	3565	0	Pass
2	44768	2240	2136	3553	0	Pass
3	44105	2180	2045	3639	0	Pass
4	44515	2190	2111	3551	0	Pass
5	44137	2210	2068	3668	0	Pass
6	44183	2232	2106	3552	0	Pass
7	44548	2172	2143	3626	0	Pass
8	44463	2379	2092	3659	0	Pass
9	44283	2272	2053	3524	0	Pass
10	44529	2223	2124	3574	0	Pass

 Passive cycle rate data  

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	735.667	-1.200	0.000	0.000	Pass
2	746.133	1.733	0.000	0.000	Pass
3	735.083	2.250	0.000	0.000	Pass
4	741.917	1.317	0.000	0.000	Pass
5	735.617	2.367	0.000	0.000	Pass
6	736.383	2.100	0.000	0.000	Pass
7	742.467	0.483	0.000	0.000	Pass
8	741.050	4.783	0.000	0.000	Pass
9	738.050	3.650	0.000	0.000	Pass
10	742.150	1.650	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 09:59:50  
 Results file name: 9A8J5950.VER  
 Inspection number:  
 Item id: PB4 201910  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60  
 Passive error messages  
 No known alpha calibration  
 Results  
 Singles: 1562.313 +- 1.573  
 Doubles: 10.807 +- 0.990  
 Triples: 0.000 +- 0.000  
 Scaler 1: 258.273 +- 0.789  
 Scaler 2: 0.000 +- 0.000  
 Passive cycle raw data  

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	93435	10016	9286	15596	0	Pass
2	94313	10084	9475	15636	0	Pass
3	93744	10038	9366	15604	0	Pass
4	93464	9897	9315	15612	0	Pass
5	93854	9950	9302	15490	0	Pass
6	94040	10282	9185	15230	0	Pass
7	93917	9968	9431	15381	0	Pass
8	93628	9835	9485	15664	0	Pass
9	93358	9929	9276	15429	0	Pass
10	93635	10014	9408	15322	0	Pass

 Passive cycle rate data  

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1557.250	12.167	0.000	0.000	Pass
2	1571.883	10.150	0.000	0.000	Pass
3	1562.400	11.200	0.000	0.000	Pass
4	1557.733	9.700	0.000	0.000	Pass
5	1564.233	10.800	0.000	0.000	Pass
6	1567.333	18.283	0.000	0.000	Pass
7	1565.283	8.950	0.000	0.000	Pass
8	1560.467	5.833	0.000	0.000	Pass
9	1555.967	10.883	0.000	0.000	Pass
10	1560.583	10.100	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 10:14:54  
 Results file name: 9A8K1454.VER  
 Inspection number:  
 Item id: PBS 201910  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1393.525 +- 1.907  
 Doubles: 7.270 +- 0.590  
 Triples: 0.000 +- 0.000  
 Scaler 1: 139.547 +- 0.571  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	83200	7856	7259	8374	0	Pass
2	83880	7812	7526	8328	0	Pass
3	83355	7917	7382	8301	0	Pass
4	83536	7837	7423	8354	0	Pass
5	83817	7959	7493	8185	0	Pass
6	83651	7900	7349	8456	0	Pass
7	83433	7888	7481	8520	0	Pass
8	84151	7912	7662	8329	0	Pass
9	84041	7821	7440	8333	0	Pass
10	83051	7888	7413	8548	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1386.667	9.950	0.000	0.000	Pass
2	1398.000	4.767	0.000	0.000	Pass
3	1389.250	8.917	0.000	0.000	Pass
4	1392.267	6.900	0.000	0.000	Pass
5	1396.950	7.767	0.000	0.000	Pass
6	1394.183	9.183	0.000	0.000	Pass
7	1390.550	6.783	0.000	0.000	Pass
8	1402.517	4.167	0.000	0.000	Pass
9	1400.683	6.350	0.000	0.000	Pass
10	1384.183	7.917	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 10:30:58  
 Results file name: 9A8K3058.VER  
 Inspection number:  
 Item id: PB6 201910  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 9  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1884.806 +- 2.169  
 Doubles: 14.911 +- 1.604  
 Triples: 0.000 +- 0.000  
 Scaler 1: 69.672 +- 0.377  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	112847	14297	13952	4188	0	Pass
2	112993	14552	13767	4153	0	Pass
3	112973	14685	13423	4164	0	Pass
4	113922	14688	13860	4126	0	Pass
5	113089	14587	13345	4107	0	Pass
6	113315	14278	13538	4312	0	Pass
7	113087	14404	13629	4132	0	Pass
8	112462	14456	13455	4173	0	Pass
9	113107	14553	13459	4268	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1880.783	5.750	0.000	0.000	Pass
2	1883.217	13.083	0.000	0.000	Pass
3	1882.883	21.033	0.000	0.000	Pass
4	1898.700	13.467	0.000	0.000	Pass
5	1884.817	20.700	0.000	0.000	Pass
6	1888.583	12.333	0.000	0.000	Pass
7	1884.783	12.917	0.000	0.000	Pass
8	1874.367	16.683	0.000	0.000	Pass
9	1885.117	18.233	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 10:47:02  
 Results file name: 9A8K4702.VER  
 Inspection number:  
 Item id: PB7 201910  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	4822.887 +-	2.805
Doubles:	97.103 +-	2.157
Triples:	0.000 +-	0.000
Scaler 1:	110.422 +-	0.474
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	289523	95211	89737	6489	0	Pass
2	289451	95214	89602	6523	0	Pass
3	289031	94824	88794	6654	0	Pass
4	290242	95635	89652	6724	0	Pass
5	289844	95410	89266	6638	0	Pass
6	289386	95241	88972	6746	0	Pass
7	288653	94782	89760	6627	0	Pass
8	288729	94414	88162	6528	0	Pass
9	289929	95208	89725	6718	0	Pass
10	288944	94487	88494	6606	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	4825.383	91.233	0.000	0.000	Pass
2	4824.183	93.533	0.000	0.000	Pass
3	4817.183	100.500	0.000	0.000	Pass
4	4837.367	99.717	0.000	0.000	Pass
5	4830.733	102.400	0.000	0.000	Pass
6	4823.100	104.483	0.000	0.000	Pass
7	4810.883	83.700	0.000	0.000	Pass
8	4812.150	104.200	0.000	0.000	Pass
9	4832.150	91.383	0.000	0.000	Pass
10	4815.733	99.883	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 11:04:07  
 Results file name: 9A8L0407.VER  
 Inspection number:  
 Item id: PBB 201910  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	41929.718 +-	10.769
Doubles:	7122.772 +-	18.307
Triples:	0.000 +-	0.000
Scaler 1:	339.160 +-	0.713
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2513629	7168165	6744114	20404	0	Pass
2	2514070	7167014	6743201	20256	0	Pass
3	2515680	7177667	6746187	20417	0	Pass
4	2519700	7200694	6775930	20524	0	Pass
5	2516162	7181999	6757327	20468	0	Pass
6	2514664	7173152	6742133	20139	0	Pass
7	2513742	7165287	6737263	20117	0	Pass
8	2518357	7189998	6764811	20384	0	Pass
9	2514812	7176257	6748928	20377	0	Pass
10	2517015	7186548	6753224	20410	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	41893.817	7067.517	0.000	0.000	Pass
2	41901.167	7063.550	0.000	0.000	Pass
3	41928.000	7191.333	0.000	0.000	Pass
4	41995.000	7079.400	0.000	0.000	Pass
5	41936.033	7077.867	0.000	0.000	Pass
6	41911.067	7183.650	0.000	0.000	Pass
7	41895.700	7133.733	0.000	0.000	Pass
8	41972.617	7086.450	0.000	0.000	Pass
9	41913.533	7122.150	0.000	0.000	Pass
10	41950.250	7222.067	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 11:26:13  
 Results file name: 9A8L2613.VER  
 Inspection number:  
 Item id: PB9 201910  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60  
 Passive error messages  
 No known alpha calibration  
 Results  
 Singles: 8031.737 +- 2.432  
 Doubles: 260.798 +- 2.335  
 Triples: 0.000 +- 0.000  
 Scaler 1: 1133.692 +- 1.278  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	481927	263730	247498	67829	0	Pass
2	481643	263398	247971	67877	0	Pass
3	482802	264890	249387	68106	0	Pass
4	481175	263058	247187	68072	0	Pass
5	482263	263843	247833	68366	0	Pass
6	481680	263496	247265	68125	0	Pass
7	481471	262954	247659	68129	0	Pass
8	481809	263298	247887	67754	0	Pass
9	482021	263211	247551	67628	0	Pass
10	482251	263411	248572	68329	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	8032.117	270.533	0.000	0.000	Pass
2	8027.383	257.117	0.000	0.000	Pass
3	8046.700	258.383	0.000	0.000	Pass
4	8019.583	264.517	0.000	0.000	Pass
5	8037.717	266.833	0.000	0.000	Pass
6	8028.000	270.517	0.000	0.000	Pass
7	8024.517	254.917	0.000	0.000	Pass
8	8030.150	256.850	0.000	0.000	Pass
9	8033.683	261.000	0.000	0.000	Pass
10	8037.517	247.317	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 13:15:41  
 Results file name: 9A8N1541.VER  
 Inspection number:  
 Item id: PB10 201910  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60  
 Passive error messages  
 No known alpha calibration  
 Results  
 Singles: 3401.837 +- 2.203  
 Doubles: 46.340 +- 1.072  
 Triples: 0.000 +- 0.000  
 Scaler 1: 2584.017 +- 2.374  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	203940	47019	44388	155173	0	Pass
2	204756	47208	44755	155122	0	Pass
3	204687	47264	44592	154350	0	Pass
4	203808	46918	44123	154602	0	Pass
5	204415	47218	44369	155240	0	Pass
6	204231	47214	44091	154931	0	Pass
7	203436	47162	44199	155696	0	Pass
8	203750	47232	44369	154871	0	Pass
9	204026	47131	44581	155743	0	Pass
10	204053	47390	44485	154682	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3399.000	43.850	0.000	0.000	Pass
2	3412.600	40.883	0.000	0.000	Pass
3	3411.450	44.533	0.000	0.000	Pass
4	3396.800	46.583	0.000	0.000	Pass
5	3406.917	47.483	0.000	0.000	Pass
6	3403.850	52.050	0.000	0.000	Pass
7	3390.600	49.383	0.000	0.000	Pass
8	3395.833	47.717	0.000	0.000	Pass
9	3400.433	42.500	0.000	0.000	Pass
10	3400.883	48.417	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 09:07:37  
 Results file name: 9A8J0737.VER  
 Inspection number:  
 Item id: PC1 201910  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1114.686 +- 0.791  
 Doubles: 4.130 +- 0.440  
 Triples: 0.000 +- 0.000  
 Scaler 1: 54.208 +- 0.272  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	66792	4960	4688	3278	0	Pass
2	66890	5078	4769	3368	0	Pass
3	66992	5158	4908	3226	0	Pass
4	66951	5036	4821	3262	0	Pass
5	67150	5111	4953	3244	0	Pass
6	66774	5070	4622	3183	0	Pass
7	66813	5061	4819	3202	0	Pass
8	66876	4984	4808	3252	0	Pass
9	66924	4958	4757	3284	0	Pass
10	66585	5011	4805	3226	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1113.307	4.535	0.000	0.000	Pass
2	1114.941	5.152	0.000	0.000	Pass
3	1116.641	4.168	0.000	0.000	Pass
4	1115.958	3.585	0.000	0.000	Pass
5	1119.275	2.634	0.000	0.000	Pass
6	1113.007	7.470	0.000	0.000	Pass
7	1113.657	4.035	0.000	0.000	Pass
8	1114.707	2.934	0.000	0.000	Pass
9	1115.508	3.351	0.000	0.000	Pass
10	1109.856	3.435	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 09:25:41  
 Results file name: 9A8J2541.VER  
 Inspection number:  
 Item id: PC2 201910  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1370.251 +- 1.924  
 Doubles: 6.653 +- 0.732  
 Triples: 0.000 +- 0.000  
 Scaler 1: 46.877 +- 0.304  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	82033	7493	7323	2769	0	Pass
2	82609	7691	7259	2691	0	Pass
3	82409	7582	7078	2755	0	Pass
4	82063	7862	7207	2814	0	Pass
5	82836	7796	7286	2819	0	Pass
6	81684	7534	7147	2871	0	Pass
7	81812	7525	7264	2861	0	Pass
8	82176	7512	7170	2834	0	Pass
9	82459	7726	7305	2854	0	Pass
10	81972	7479	7171	2858	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1367.378	2.835	0.000	0.000	Pass
2	1376.981	7.203	0.000	0.000	Pass
3	1373.646	8.404	0.000	0.000	Pass
4	1367.878	10.922	0.000	0.000	Pass
5	1380.765	8.504	0.000	0.000	Pass
6	1361.560	6.453	0.000	0.000	Pass
7	1363.694	4.352	0.000	0.000	Pass
8	1369.762	5.703	0.000	0.000	Pass
9	1374.480	7.020	0.000	0.000	Pass
10	1366.361	5.136	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 09:42:46  
 Results file name: 9A8J4246.VER  
 Inspection number:  
 Item id: PC3 201910  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	739.499 +-	1.198
Doubles:	1.914 +-	0.514
Triples:	0.000 +-	0.000
Scaler 1:	59.852 +-	0.273
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	44140	2079	2151	3565	0	Pass
2	44768	2240	2136	3553	0	Pass
3	44105	2180	2045	3639	0	Pass
4	44515	2190	2111	3551	0	Pass
5	44137	2210	2068	3668	0	Pass
6	44183	2232	2106	3552	0	Pass
7	44548	2172	2143	3626	0	Pass
8	44463	2379	2092	3659	0	Pass
9	44283	2272	2053	3524	0	Pass
10	44529	2223	2124	3574	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	735.713	-1.200	0.000	0.000	Pass
2	746.181	1.734	0.000	0.000	Pass
3	735.130	2.251	0.000	0.000	Pass
4	741.964	1.317	0.000	0.000	Pass
5	735.663	2.367	0.000	0.000	Pass
6	736.430	2.101	0.000	0.000	Pass
7	742.514	0.483	0.000	0.000	Pass
8	741.097	4.785	0.000	0.000	Pass
9	738.097	3.651	0.000	0.000	Pass
10	742.198	1.650	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 09:59:50  
 Results file name: 9A8J5950.VER  
 Inspection number:  
 Item id: PC4 201910  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	1562.524 +-	1.573
Doubles:	10.813 +-	0.991
Triples:	0.000 +-	0.000
Scaler 1:	258.273 +-	0.789
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	93435	10016	9286	15596	0	Pass
2	94313	10084	9475	15636	0	Pass
3	93744	10038	9366	15604	0	Pass
4	93464	9897	9315	15612	0	Pass
5	93854	9950	9302	15490	0	Pass
6	94040	10282	9185	15230	0	Pass
7	93917	9968	9431	15381	0	Pass
8	93628	9835	9485	15664	0	Pass
9	93358	9929	9276	15429	0	Pass
10	93635	10014	9408	15322	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1557.460	12.173	0.000	0.000	Pass
2	1572.097	10.156	0.000	0.000	Pass
3	1562.611	11.206	0.000	0.000	Pass
4	1557.943	9.705	0.000	0.000	Pass
5	1564.445	10.806	0.000	0.000	Pass
6	1567.546	18.293	0.000	0.000	Pass
7	1565.495	8.955	0.000	0.000	Pass
8	1560.677	5.836	0.000	0.000	Pass
9	1556.176	10.889	0.000	0.000	Pass
10	1560.794	10.105	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP
Material balance area: JM2G
Detector type: JSR\_03
Detector id: JSR\_03
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 19.10.08 10:14:54
Results file name: 9A8K1454.VER
Inspection number:
Item id: PCS 201910
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: 00
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 19.10.08
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 19.10.08

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.1620
Multiplicity deadtime: 86.5000
Coefficient A deadtime: 0.3458
Coefficient B deadtime: 0.0299
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1393.693 +- 1.907
Doubles: 7.274 +- 0.590
Triples: 0.000 +- 0.000
Scaler 1: 139.547 +- 0.571
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Passive cycle rate data

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-10 showing cycle rate data.

(2)

INCC 5.1.2

Facility: PFFP
Material balance area: JM2G
Detector type: JSR\_03
Detector id: JSR\_03
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 19.10.08 10:30:58
Results file name: 9A8K3058.VER
Inspection number:
Item id: PC6 201910
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: 00
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 19.10.08
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 19.10.08

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.1620
Multiplicity deadtime: 86.5000
Coefficient A deadtime: 0.3458
Coefficient B deadtime: 0.0299
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 9
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1885.113 +- 2.170
Doubles: 14.921 +- 1.605
Triples: 0.000 +- 0.000
Scaler 1: 69.672 +- 0.377
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-9 showing cycle data.

Passive cycle rate data

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-9 showing cycle rate data.

(2)



INCC 5.1.2

Facility: PFFP  
Material balance area: JM2G  
Detector type: JSR\_03  
Detector id: JSR\_03  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.10.08 10:47:02  
Results file name: 9A8K4702.VER  
Inspection number:  
Item id: PC7 201910  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.10.08  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.10.08

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1620  
Multiplicity deadtime: 86.5000  
Coefficient A deadtime: 0.3458  
Coefficient B deadtime: 0.0299  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.000  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 4824.899 +- 2.807  
Doubles: 97.265 +- 2.160  
Triples: 0.000 +- 0.000  
Scaler 1: 110.422 +- 0.474  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	289523	95211	89737	6489	0	Pass
2	289451	95214	89602	6523	0	Pass
3	289031	94824	88794	6654	0	Pass
4	290242	95635	89652	6724	0	Pass
5	289844	95410	89266	6638	0	Pass
6	289386	95241	88972	6746	0	Pass
7	288653	94782	89760	6627	0	Pass
8	288729	94414	88162	6528	0	Pass
9	289929	95208	89725	6718	0	Pass
10	288944	94487	88494	6606	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	4827.398	91.386	0.000	0.000	Pass
2	4826.197	93.690	0.000	0.000	Pass
3	4819.191	100.668	0.000	0.000	Pass
4	4839.391	99.884	0.000	0.000	Pass
5	4832.752	102.571	0.000	0.000	Pass
6	4825.112	104.658	0.000	0.000	Pass
7	4812.885	83.839	0.000	0.000	Pass
8	4814.153	104.374	0.000	0.000	Pass
9	4834.170	91.536	0.000	0.000	Pass
10	4817.739	100.050	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
Material balance area: JM2G  
Detector type: JSR\_03  
Detector id: JSR\_03  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.10.08 11:04:07  
Results file name: 9A8L0407.VER  
Inspection number:  
Item id: PC8 201910  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.10.08  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.10.08

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1620  
Multiplicity deadtime: 86.5000  
Coefficient A deadtime: 0.3458  
Coefficient B deadtime: 0.0299  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.000  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 42082.535 +- 10.848  
Doubles: 7227.179 +- 18.575  
Triples: 0.000 +- 0.000  
Scaler 1: 339.160 +- 0.713  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2513629	7168165	6744114	20404	0	Pass
2	2514070	7167014	6743201	20256	0	Pass
3	2515680	7177667	6746187	20417	0	Pass
4	2519700	7200694	6775930	20524	0	Pass
5	2516162	7181999	6757327	20468	0	Pass
6	2514664	7173152	6742133	20139	0	Pass
7	2513742	7165287	6737263	20117	0	Pass
8	2518357	7189998	6764811	20384	0	Pass
9	2514812	7176257	6748928	20377	0	Pass
10	2517015	7186548	6753224	20410	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	42046.371	7171.024	0.000	0.000	Pass
2	42053.775	7167.018	0.000	0.000	Pass
3	42080.804	7296.741	0.000	0.000	Pass
4	42148.294	7183.335	0.000	0.000	Pass
5	42088.896	7181.632	0.000	0.000	Pass
6	42063.747	7288.902	0.000	0.000	Pass
7	42048.268	7238.216	0.000	0.000	Pass
8	42125.747	7190.432	0.000	0.000	Pass
9	42066.232	7226.508	0.000	0.000	Pass
10	42103.217	7327.982	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
Material balance area: JM2G  
Detector type: JSR\_03  
Detector id: JSR\_03  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.10.08 11:26:13  
Results file name: 9A8L2613.VER  
Inspection number:  
Item id: PC9 201910  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.10.08  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.10.08

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1620  
Multiplicity deadtime: 86.5000  
Coefficient A deadtime: 0.3458  
Coefficient B deadtime: 0.0299  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.000  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 8037.319 +- 2.435  
Doubles: 261.524 +- 2.342  
Triples: 0.000 +- 0.000  
Scaler 1: 1133.692 +- 1.278  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	481927	263730	247498	67829	0	Pass
2	481643	263398	247971	67877	0	Pass
3	482802	264890	249387	68106	0	Pass
4	481175	263058	247187	68072	0	Pass
5	482263	263843	247833	68366	0	Pass
6	481680	263496	247265	68125	0	Pass
7	481471	262954	247659	68129	0	Pass
8	481809	263298	247887	67754	0	Pass
9	482021	263211	247551	67628	0	Pass
10	482251	263411	248572	68329	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	8037.700	271.286	0.000	0.000	Pass
2	8032.960	257.832	0.000	0.000	Pass
3	8052.303	259.104	0.000	0.000	Pass
4	8025.149	265.252	0.000	0.000	Pass
5	8043.308	267.577	0.000	0.000	Pass
6	8033.577	271.269	0.000	0.000	Pass
7	8030.089	255.626	0.000	0.000	Pass
8	8035.730	257.565	0.000	0.000	Pass
9	8039.269	261.727	0.000	0.000	Pass
10	8043.107	248.005	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
Material balance area: JM2G  
Detector type: JSR\_03  
Detector id: JSR\_03  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.10.08 13:15:41  
Results file name: 9A8N1541.VER  
Inspection number:  
Item id: PC10 201910  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.10.08  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.10.08

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1620  
Multiplicity deadtime: 86.5000  
Coefficient A deadtime: 0.3458  
Coefficient B deadtime: 0.0299  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.000  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 3402.838 +- 2.204  
Doubles: 46.395 +- 1.073  
Triples: 0.000 +- 0.000  
Scaler 1: 2584.017 +- 2.374  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	203940	47019	44388	155173	0	Pass
2	204756	47208	44755	155122	0	Pass
3	204687	47264	44592	154350	0	Pass
4	203808	46918	44123	154602	0	Pass
5	204415	47218	44369	155240	0	Pass
6	204231	47214	44091	154931	0	Pass
7	203436	47162	44199	155696	0	Pass
8	203750	47232	44369	154871	0	Pass
9	204026	47131	44581	155743	0	Pass
10	204053	47390	44485	154682	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3399.999	43.902	0.000	0.000	Pass
2	3413.607	40.932	0.000	0.000	Pass
3	3412.457	44.586	0.000	0.000	Pass
4	3397.798	46.638	0.000	0.000	Pass
5	3407.921	47.539	0.000	0.000	Pass
6	3404.852	52.111	0.000	0.000	Pass
7	3391.594	49.441	0.000	0.000	Pass
8	3396.831	47.773	0.000	0.000	Pass
9	3401.433	42.550	0.000	0.000	Pass
10	3401.884	48.474	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 09:07:27  
 Results file name: 9A8J0727.VER  
 Inspection number:  
 Item id: PT1 201910  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 41.313 +- 0.220  
 Doubles: 0.013 +- 0.017  
 Triples: 0.000 +- 0.000  
 Scaler 1: 103.802 +- 0.473  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2502	5	5	6162	0	Pass
2	2521	9	5	6353	0	Pass
3	2476	9	8	6226	0	Pass
4	2400	8	7	6339	0	Pass
5	2476	6	4	6176	0	Pass
6	2460	4	6	6123	0	Pass
7	2498	7	11	6128	0	Pass
8	2527	11	10	6168	0	Pass
9	2507	9	2	6274	0	Pass
10	2421	5	7	6332	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	41.700	0.000	0.000	0.000	Pass
2	42.017	0.067	0.000	0.000	Pass
3	41.267	0.017	0.000	0.000	Pass
4	40.000	0.017	0.000	0.000	Pass
5	41.267	0.033	0.000	0.000	Pass
6	41.000	-0.033	0.000	0.000	Pass
7	41.633	-0.067	0.000	0.000	Pass
8	42.117	0.017	0.000	0.000	Pass
9	41.783	0.117	0.000	0.000	Pass
10	40.350	-0.033	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 09:25:32  
 Results file name: 9A8J2532.VER  
 Inspection number:  
 Item id: PT2 201910  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 63.613 +- 0.345  
 Doubles: 0.038 +- 0.030  
 Triples: 0.000 +- 0.000  
 Scaler 1: 176.655 +- 0.437  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	3844	12	12	10499	0	Pass
2	3746	13	11	10493	0	Pass
3	3752	20	20	10652	0	Pass
4	3722	13	6	10601	0	Pass
5	3898	14	18	10537	0	Pass
6	3903	13	13	10559	0	Pass
7	3848	21	10	10647	0	Pass
8	3813	9	16	10726	0	Pass
9	3773	19	10	10566	0	Pass
10	3869	19	14	10713	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	64.067	0.000	0.000	0.000	Pass
2	62.433	0.033	0.000	0.000	Pass
3	62.533	0.000	0.000	0.000	Pass
4	62.033	0.117	0.000	0.000	Pass
5	64.967	-0.067	0.000	0.000	Pass
6	65.050	0.000	0.000	0.000	Pass
7	64.133	0.183	0.000	0.000	Pass
8	63.550	-0.117	0.000	0.000	Pass
9	62.883	0.150	0.000	0.000	Pass
10	64.483	0.083	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 09:42:37  
 Results file name: 9A8J4237.VER  
 Inspection number:  
 Item id: PT3 201910  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 237.955 +- 0.771  
 Doubles: 0.303 +- 0.077  
 Triples: 0.000 +- 0.000  
 Scaler 1: 56.717 +- 0.286  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	14085	218	205	3297	0	Pass
2	14198	240	234	3384	0	Pass
3	14285	238	195	3408	0	Pass
4	14192	226	227	3461	0	Pass
5	14343	250	225	3355	0	Pass
6	14146	210	206	3456	0	Pass
7	14305	231	216	3461	0	Pass
8	14282	238	217	3401	0	Pass
9	14621	264	224	3364	0	Pass
10	14316	241	225	3443	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	234.750	0.217	0.000	0.000	Pass
2	236.633	0.100	0.000	0.000	Pass
3	238.083	0.717	0.000	0.000	Pass
4	236.533	-0.017	0.000	0.000	Pass
5	239.050	0.417	0.000	0.000	Pass
6	235.767	0.067	0.000	0.000	Pass
7	238.417	0.250	0.000	0.000	Pass
8	238.033	0.350	0.000	0.000	Pass
9	243.683	0.667	0.000	0.000	Pass
10	238.600	0.267	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 09:59:42  
 Results file name: 9A8J5942.VER  
 Inspection number:  
 Item id: PT4 201910  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 920.155 +- 1.781  
 Doubles: 3.643 +- 0.450  
 Triples: 0.000 +- 0.000  
 Scaler 1: 46.125 +- 0.247  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	55194	3536	3275	2751	0	Pass
2	55006	3378	3211	2778	0	Pass
3	55647	3439	3273	2679	0	Pass
4	55393	3436	3239	2840	0	Pass
5	54647	3403	3034	2807	0	Pass
6	54809	3345	3187	2812	0	Pass
7	55482	3514	3275	2719	0	Pass
8	54962	3379	3312	2771	0	Pass
9	55533	3573	3277	2769	0	Pass
10	55420	3522	3256	2749	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	919.900	4.350	0.000	0.000	Pass
2	916.767	2.783	0.000	0.000	Pass
3	927.450	2.767	0.000	0.000	Pass
4	923.217	3.283	0.000	0.000	Pass
5	910.783	6.150	0.000	0.000	Pass
6	913.483	2.633	0.000	0.000	Pass
7	924.700	3.983	0.000	0.000	Pass
8	916.033	1.117	0.000	0.000	Pass
9	925.550	4.933	0.000	0.000	Pass
10	923.667	4.433	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 10:14:46  
 Results file name: 9A8K1446.VER  
 Inspection number:  
 Item id: PT5 201910  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 2803.300 +- 2.756  
 Doubles: 28.408 +- 1.000  
 Triples: 0.000 +- 0.000  
 Scaler 1: 49.482 +- 0.210  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	168183	32165	30285	2995	0	Pass
2	168121	32176	30393	2940	0	Pass
3	168904	32094	30669	2981	0	Pass
4	168046	31941	30170	2871	0	Pass
5	168603	31913	30334	3010	0	Pass
6	167089	31811	29792	2972	0	Pass
7	168425	32038	30302	2971	0	Pass
8	167673	31965	30149	2990	0	Pass
9	168650	31914	30454	2962	0	Pass
10	168286	31922	30346	2997	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2803.050	31.333	0.000	0.000	Pass
2	2802.017	29.717	0.000	0.000	Pass
3	2815.067	23.750	0.000	0.000	Pass
4	2800.767	29.517	0.000	0.000	Pass
5	2810.050	26.317	0.000	0.000	Pass
6	2784.817	33.650	0.000	0.000	Pass
7	2807.083	28.933	0.000	0.000	Pass
8	2794.550	30.267	0.000	0.000	Pass
9	2810.833	24.333	0.000	0.000	Pass
10	2804.767	26.267	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 10:30:51  
 Results file name: 9A8K3051.VER  
 Inspection number:  
 Item id: PT6 201910  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 36.185 +- 0.212  
 Doubles: 0.015 +- 0.019  
 Triples: 0.000 +- 0.000  
 Scaler 1: 2408.080 +- 2.450  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2129	4	1	144533	0	Pass
2	2208	7	6	144059	0	Pass
3	2170	4	11	144016	0	Pass
4	2218	5	3	144378	0	Pass
5	2219	7	5	144640	0	Pass
6	2187	11	4	145436	0	Pass
7	2094	4	6	144227	0	Pass
8	2158	8	7	144752	0	Pass
9	2179	3	2	144878	0	Pass
10	2149	6	5	143929	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	35.483	0.050	0.000	0.000	Pass
2	36.800	0.017	0.000	0.000	Pass
3	36.167	-0.117	0.000	0.000	Pass
4	36.967	0.033	0.000	0.000	Pass
5	36.983	0.033	0.000	0.000	Pass
6	36.450	0.117	0.000	0.000	Pass
7	34.900	-0.033	0.000	0.000	Pass
8	35.967	0.017	0.000	0.000	Pass
9	36.317	0.017	0.000	0.000	Pass
10	35.817	0.017	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 10:47:55  
 Results file name: 9A8K4755.VER  
 Inspection number:  
 Item id: PT7 201910  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 32.972 +- 0.197  
 Doubles: 0.015 +- 0.012  
 Triples: 0.000 +- 0.000  
 Scaler 1: 826.093 +- 1.249  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	1927	4	2	49714	0	Pass
2	2011	3	5	49970	0	Pass
3	1984	3	3	49544	0	Pass
4	2045	8	3	49520	0	Pass
5	1948	7	5	49813	0	Pass
6	1978	3	3	49154	0	Pass
7	1948	6	2	49401	0	Pass
8	1955	5	5	49479	0	Pass
9	1966	6	8	49688	0	Pass
10	2021	5	5	49373	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	32.117	0.033	0.000	0.000	Pass
2	33.517	-0.033	0.000	0.000	Pass
3	33.067	0.000	0.000	0.000	Pass
4	34.083	0.083	0.000	0.000	Pass
5	32.467	0.033	0.000	0.000	Pass
6	32.967	0.000	0.000	0.000	Pass
7	32.467	0.067	0.000	0.000	Pass
8	32.583	0.000	0.000	0.000	Pass
9	32.767	-0.033	0.000	0.000	Pass
10	33.683	0.000	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 11:03:59  
 Results file name: 9A8L0359.VER  
 Inspection number:  
 Item id: PT8 201910  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 9  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 47.237 +- 0.287  
 Doubles: 0.007 +- 0.030  
 Triples: 0.000 +- 0.000  
 Scaler 1: 244.544 +- 0.511  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2762	10	5	14465	0	Pass
2	2861	8	7	14636	0	Pass
3	2836	9	11	14729	0	Pass
4	2912	1	13	14649	0	Pass
5	2866	11	5	14739	0	Pass
6	2851	10	5	14670	0	Pass
7	2745	5	5	14655	0	Pass
8	2846	13	12	14732	0	Pass
9	2829	9	9	14779	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	46.033	0.083	0.000	0.000	Pass
2	47.683	0.017	0.000	0.000	Pass
3	47.267	-0.033	0.000	0.000	Pass
4	48.533	-0.200	0.000	0.000	Pass
5	47.767	0.100	0.000	0.000	Pass
6	47.517	0.083	0.000	0.000	Pass
7	45.750	0.000	0.000	0.000	Pass
8	47.433	0.017	0.000	0.000	Pass
9	47.150	0.000	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 11:26:05  
 Results file name: 9A8L2605.VER  
 Inspection number:  
 Item id: PT9 201910  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	157.500 +-	0.360
Doubles:	0.105 +-	0.104
Triples:	0.000 +-	0.000
Scaler 1:	99.553 +-	0.441
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	9391	89	77	5858	0	Pass
2	9444	74	77	5917	0	Pass
3	9412	102	82	6104	0	Pass
4	9338	95	86	6089	0	Pass
5	9474	94	94	5904	0	Pass
6	9429	111	90	5999	0	Pass
7	9433	115	139	5898	0	Pass
8	9505	123	77	5965	0	Pass
9	9487	92	100	5956	0	Pass
10	9587	100	110	6042	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	156.517	0.200	0.000	0.000	Pass
2	157.400	-0.050	0.000	0.000	Pass
3	156.867	0.333	0.000	0.000	Pass
4	155.633	0.150	0.000	0.000	Pass
5	157.900	0.000	0.000	0.000	Pass
6	157.150	0.350	0.000	0.000	Pass
7	157.217	-0.400	0.000	0.000	Pass
8	158.417	0.767	0.000	0.000	Pass
9	158.117	-0.133	0.000	0.000	Pass
10	159.783	-0.167	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.10.08 13:15:33  
 Results file name: 9A8N1533.VER  
 Inspection number:  
 Item id: PT10 201910  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.10.08  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.10.08  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	95.323 +-	0.344
Doubles:	-0.005 +-	0.042
Triples:	0.000 +-	0.000
Scaler 1:	81.012 +-	0.495
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	5724	40	31	4717	0	Pass
2	5637	31	37	5000	0	Pass
3	5686	41	51	4793	0	Pass
4	5713	31	32	4844	0	Pass
5	5620	41	34	4963	0	Pass
6	5711	27	37	4957	0	Pass
7	5823	45	32	4833	0	Pass
8	5723	33	34	4902	0	Pass
9	5742	31	30	4751	0	Pass
10	5815	35	40	4847	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	95.400	0.150	0.000	0.000	Pass
2	93.950	-0.100	0.000	0.000	Pass
3	94.767	-0.167	0.000	0.000	Pass
4	95.217	-0.017	0.000	0.000	Pass
5	93.667	0.117	0.000	0.000	Pass
6	95.183	-0.167	0.000	0.000	Pass
7	97.050	0.217	0.000	0.000	Pass
8	95.383	-0.017	0.000	0.000	Pass
9	95.700	0.017	0.000	0.000	Pass
10	96.917	-0.083	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 09:08:51  
 Results file name: 9B6J0851.VER  
 Inspection number:  
 Item id: BB1 201911  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 40.963 +- 0.216  
 Doubles: -0.022 +- 0.022  
 Triples: 0.000 +- 0.000  
 Scaler 1: 102.168 +- 0.207  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2400	5	7	6086	0	Pass
2	2418	5	8	6096	0	Pass
3	2447	4	9	6100	0	Pass
4	2520	6	5	6105	0	Pass
5	2421	1	7	6187	0	Pass
6	2467	13	6	6171	0	Pass
7	2472	6	10	6193	0	Pass
8	2523	6	5	6129	0	Pass
9	2468	6	11	6117	0	Pass
10	2442	8	5	6117	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	40.000	-0.033	0.000	0.000	Pass
2	40.300	-0.050	0.000	0.000	Pass
3	40.783	-0.083	0.000	0.000	Pass
4	42.000	0.017	0.000	0.000	Pass
5	40.350	-0.100	0.000	0.000	Pass
6	41.117	0.117	0.000	0.000	Pass
7	41.200	-0.067	0.000	0.000	Pass
8	42.050	0.017	0.000	0.000	Pass
9	41.133	-0.083	0.000	0.000	Pass
10	40.700	0.050	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 09:25:56  
 Results file name: 9B6J2556.VER  
 Inspection number:  
 Item id: BB2 201911  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 62.118 +- 0.249  
 Doubles: 0.022 +- 0.027  
 Triples: 0.000 +- 0.000  
 Scaler 1: 172.450 +- 0.744  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	3727	16	15	10263	0	Pass
2	3742	14	13	10356	0	Pass
3	3649	18	17	10661	0	Pass
4	3715	13	11	10314	0	Pass
5	3668	13	10	10218	0	Pass
6	3793	11	16	10273	0	Pass
7	3753	10	17	10499	0	Pass
8	3690	22	12	10329	0	Pass
9	3784	16	8	10185	0	Pass
10	3750	16	17	10372	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	62.117	0.017	0.000	0.000	Pass
2	62.367	0.017	0.000	0.000	Pass
3	60.817	0.017	0.000	0.000	Pass
4	61.917	0.033	0.000	0.000	Pass
5	61.133	0.050	0.000	0.000	Pass
6	63.217	-0.083	0.000	0.000	Pass
7	62.550	-0.117	0.000	0.000	Pass
8	61.500	0.167	0.000	0.000	Pass
9	63.067	0.133	0.000	0.000	Pass
10	62.500	-0.017	0.000	0.000	Pass

(2)



INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 09:42:00  
 Results file name: 9B6J4200.VER  
 Inspection number:  
 Item id: BB3 201911  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	233.438 +-	0.488
Doubles:	0.025 +-	0.133
Triples:	0.000 +-	0.000
Scaler 1:	55.777 +-	0.257
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	13845	194	200	3338	0	Pass
2	14102	213	239	3324	0	Pass
3	13935	230	191	3345	0	Pass
4	14081	202	219	3345	0	Pass
5	14062	201	197	3346	0	Pass
6	13871	238	188	3294	0	Pass
7	14007	207	231	3329	0	Pass
8	14008	224	224	3475	0	Pass
9	14066	222	231	3357	0	Pass
10	14086	230	226	3313	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	230.750	-0.100	0.000	0.000	Pass
2	235.033	-0.433	0.000	0.000	Pass
3	232.250	0.650	0.000	0.000	Pass
4	234.683	-0.283	0.000	0.000	Pass
5	234.367	0.067	0.000	0.000	Pass
6	231.183	0.833	0.000	0.000	Pass
7	233.450	-0.400	0.000	0.000	Pass
8	233.467	0.000	0.000	0.000	Pass
9	234.433	-0.150	0.000	0.000	Pass
10	234.767	0.067	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 09:58:04  
 Results file name: 9B6J5804.VER  
 Inspection number:  
 Item id: BB4 201911  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	896.635 +-	1.090
Doubles:	3.632 +-	0.312
Triples:	0.000 +-	0.000
Scaler 1:	44.920 +-	0.392
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	53664	3268	3107	2639	0	Pass
2	54156	3372	3143	2617	0	Pass
3	53446	3142	3004	2657	0	Pass
4	53953	3261	3085	2739	0	Pass
5	53630	3315	3022	2808	0	Pass
6	53978	3306	3089	2734	0	Pass
7	53694	3332	3040	2637	0	Pass
8	53714	3171	3023	2690	0	Pass
9	53896	3290	3020	2619	0	Pass
10	53850	3313	3058	2812	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	894.400	2.683	0.000	0.000	Pass
2	902.600	3.817	0.000	0.000	Pass
3	890.767	2.300	0.000	0.000	Pass
4	899.217	2.933	0.000	0.000	Pass
5	893.833	4.883	0.000	0.000	Pass
6	899.633	3.617	0.000	0.000	Pass
7	894.900	4.867	0.000	0.000	Pass
8	895.233	2.467	0.000	0.000	Pass
9	898.267	4.500	0.000	0.000	Pass
10	897.500	4.250	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 10:14:08  
 Results file name: 9B6K1408.VER  
 Inspection number:  
 Item id: B85 201911  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 2740.347 +- 1.452  
 Doubles: 30.292 +- 1.312  
 Triples: 0.000 +- 0.000  
 Scaler 1: 48.245 +- 0.208  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	164527	30660	28893	2915	0	Pass
2	164630	30868	28949	2872	0	Pass
3	164150	30758	28661	2806	0	Pass
4	163864	30136	28790	2942	0	Pass
5	164827	31038	29012	2897	0	Pass
6	164654	30820	28776	2933	0	Pass
7	164446	30517	28810	2890	0	Pass
8	164327	30367	28899	2868	0	Pass
9	164477	30882	28953	2921	0	Pass
10	164306	30528	28656	2903	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2742.117	29.450	0.000	0.000	Pass
2	2743.833	31.983	0.000	0.000	Pass
3	2735.833	34.950	0.000	0.000	Pass
4	2731.067	22.433	0.000	0.000	Pass
5	2747.117	33.767	0.000	0.000	Pass
6	2744.233	34.067	0.000	0.000	Pass
7	2740.767	28.450	0.000	0.000	Pass
8	2738.783	24.467	0.000	0.000	Pass
9	2741.283	32.150	0.000	0.000	Pass
10	2738.433	31.200	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 10:29:12  
 Results file name: 9B6K2912.VER  
 Inspection number:  
 Item id: B86 201911  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 35.952 +- 0.274  
 Doubles: 0.008 +- 0.010  
 Triples: 0.000 +- 0.000  
 Scaler 1: 2359.100 +- 1.878  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2243	4	3	141619	0	Pass
2	2202	3	6	141746	0	Pass
3	2141	2	1	142069	0	Pass
4	2170	6	6	141431	0	Pass
5	2092	6	3	141354	0	Pass
6	2190	6	4	141871	0	Pass
7	2162	3	5	141571	0	Pass
8	2110	5	5	141526	0	Pass
9	2183	3	2	141544	0	Pass
10	2078	8	6	140729	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	37.383	0.017	0.000	0.000	Pass
2	36.700	-0.050	0.000	0.000	Pass
3	35.683	0.017	0.000	0.000	Pass
4	36.167	0.000	0.000	0.000	Pass
5	34.867	0.050	0.000	0.000	Pass
6	36.500	0.033	0.000	0.000	Pass
7	36.033	-0.033	0.000	0.000	Pass
8	35.167	0.000	0.000	0.000	Pass
9	36.383	0.017	0.000	0.000	Pass
10	34.633	0.033	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 10:46:17  
 Results file name: 9B6K4617.VER  
 Inspection number:  
 Item id: BB7 201911  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 32.388 +- 0.229  
 Doubles: 0.005 +- 0.020  
 Triples: 0.000 +- 0.000  
 Scaler 1: 807.965 +- 1.160  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	1973	4	6	48651	0	Pass
2	1894	3	2	48622	0	Pass
3	1922	11	2	48192	0	Pass
4	1978	7	5	48201	0	Pass
5	1882	7	6	48699	0	Pass
6	2024	7	7	48320	0	Pass
7	1940	4	8	48745	0	Pass
8	1965	4	7	48578	0	Pass
9	1948	3	6	48551	0	Pass
10	1907	5	3	48220	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	32.883	-0.033	0.000	0.000	Pass
2	31.567	0.017	0.000	0.000	Pass
3	32.033	0.150	0.000	0.000	Pass
4	32.967	0.033	0.000	0.000	Pass
5	31.367	0.017	0.000	0.000	Pass
6	33.733	0.000	0.000	0.000	Pass
7	32.333	-0.067	0.000	0.000	Pass
8	32.750	-0.050	0.000	0.000	Pass
9	32.467	-0.050	0.000	0.000	Pass
10	31.783	0.033	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 11:02:22  
 Results file name: 9B6L0222.VER  
 Inspection number:  
 Item id: BB8 201911  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 45.807 +- 0.176  
 Doubles: 0.028 +- 0.015  
 Triples: 0.000 +- 0.000  
 Scaler 1: 239.128 +- 0.560  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2719	8	7	14322	0	Pass
2	2708	7	9	14546	0	Pass
3	2764	7	7	14366	0	Pass
4	2786	8	6	14193	0	Pass
5	2738	6	8	14391	0	Pass
6	2716	9	9	14212	0	Pass
7	2815	8	3	14264	0	Pass
8	2736	9	6	14362	0	Pass
9	2744	10	3	14378	0	Pass
10	2758	13	10	14443	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	45.317	0.017	0.000	0.000	Pass
2	45.133	-0.033	0.000	0.000	Pass
3	46.067	0.000	0.000	0.000	Pass
4	46.433	0.033	0.000	0.000	Pass
5	45.633	-0.033	0.000	0.000	Pass
6	45.267	0.000	0.000	0.000	Pass
7	46.917	0.083	0.000	0.000	Pass
8	45.600	0.050	0.000	0.000	Pass
9	45.733	0.117	0.000	0.000	Pass
10	45.967	0.050	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 11:18:26  
 Results file name: 9B6L1826.VER  
 Inspection number:  
 Item id: BB9 201911  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 155.142 +- 0.520  
 Doubles: 0.128 +- 0.095  
 Triples: 0.000 +- 0.000  
 Scaler 1: 97.427 +- 0.402  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	9250	101	107	5878	0	Pass
2	9319	108	69	5690	0	Pass
3	9354	90	88	5900	0	Pass
4	9351	99	105	5844	0	Pass
5	9387	86	84	5777	0	Pass
6	9414	106	113	5890	0	Pass
7	9271	121	80	5807	0	Pass
8	9393	102	91	5924	0	Pass
9	9079	91	97	5937	0	Pass
10	9267	93	86	5809	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	154.167	-0.100	0.000	0.000	Pass
2	155.317	0.650	0.000	0.000	Pass
3	155.900	0.033	0.000	0.000	Pass
4	155.850	-0.100	0.000	0.000	Pass
5	156.450	0.033	0.000	0.000	Pass
6	156.900	-0.117	0.000	0.000	Pass
7	154.517	0.683	0.000	0.000	Pass
8	156.550	0.183	0.000	0.000	Pass
9	151.317	-0.100	0.000	0.000	Pass
10	154.450	0.117	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 13:14:57  
 Results file name: 9B6N1457.VER  
 Inspection number:  
 Item id: BB10 201911  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 92.990 +- 0.181  
 Doubles: -0.013 +- 0.028  
 Triples: 0.000 +- 0.000  
 Scaler 1: 78.823 +- 0.446  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	5624	33	29	4697	0	Pass
2	5508	25	30	4732	0	Pass
3	5558	33	40	4630	0	Pass
4	5560	29	30	4697	0	Pass
5	5571	37	39	4702	0	Pass
6	5591	28	30	4606	0	Pass
7	5589	27	36	4796	0	Pass
8	5628	42	35	4852	0	Pass
9	5581	35	32	4860	0	Pass
10	5584	29	25	4722	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	93.733	0.067	0.000	0.000	Pass
2	91.800	-0.083	0.000	0.000	Pass
3	92.633	-0.117	0.000	0.000	Pass
4	92.667	-0.017	0.000	0.000	Pass
5	92.850	-0.033	0.000	0.000	Pass
6	93.183	-0.033	0.000	0.000	Pass
7	93.150	-0.150	0.000	0.000	Pass
8	93.800	0.117	0.000	0.000	Pass
9	93.017	0.050	0.000	0.000	Pass
10	93.067	0.067	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 09:08:52  
 Results file name: 9B6J0852.VER  
 Inspection number:  
 Item id: BC1 201911  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles:	1360.053 +-	1.288
Doubles:	8.342 +-	0.665
Triples:	0.000 +-	0.000
Scaler 1:	2627.558 +-	2.340
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	81807	7666	7195	157760	0	Pass
2	81257	7411	7132	157979	0	Pass
3	81944	7709	7216	157799	0	Pass
4	81357	7516	6993	157618	0	Pass
5	81286	7615	6869	157256	0	Pass
6	81542	7578	7151	158119	0	Pass
7	81680	7677	7131	157813	0	Pass
8	81557	7624	7004	157521	0	Pass
9	81530	7536	7037	156623	0	Pass
10	81894	7559	7162	158047	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1363.748	7.857	0.000	0.000	Pass
2	1354.578	4.654	0.000	0.000	Pass
3	1366.033	8.224	0.000	0.000	Pass
4	1356.245	8.724	0.000	0.000	Pass
5	1355.061	12.444	0.000	0.000	Pass
6	1359.330	7.123	0.000	0.000	Pass
7	1361.631	9.108	0.000	0.000	Pass
8	1359.580	10.342	0.000	0.000	Pass
9	1359.130	8.324	0.000	0.000	Pass
10	1365.199	6.622	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 09:25:57  
 Results file name: 9B6J2557.VER  
 Inspection number:  
 Item id: BC2 201911  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles:	3631.946 +-	2.112
Doubles:	57.758 +-	1.499
Triples:	0.000 +-	0.000
Scaler 1:	646.707 +-	1.402
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	217200	53497	50536	39009	0	Pass
2	218444	54624	51054	39197	0	Pass
3	217506	54199	50745	38624	0	Pass
4	217726	53979	50822	38870	0	Pass
5	217676	53839	50304	38434	0	Pass
6	217523	54120	50672	38680	0	Pass
7	217631	54007	50473	39075	0	Pass
8	218352	54060	50839	38398	0	Pass
9	218167	54230	50339	38919	0	Pass
10	217673	54146	50343	38818	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3622.105	49.465	0.000	0.000	Pass
2	3642.862	59.639	0.000	0.000	Pass
3	3627.211	57.701	0.000	0.000	Pass
4	3630.882	52.739	0.000	0.000	Pass
5	3630.047	59.054	0.000	0.000	Pass
6	3627.494	57.601	0.000	0.000	Pass
7	3629.296	59.037	0.000	0.000	Pass
8	3641.327	53.809	0.000	0.000	Pass
9	3638.240	65.002	0.000	0.000	Pass
10	3629.997	63.531	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 09:42:01  
 Results file name: 9B6J4201.VER  
 Inspection number:  
 Item id: BC3 201911  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 50497.518 +- 11.245  
 Doubles: 10889.592 +- 40.004  
 Triples: 0.000 +- 0.000  
 Scaler 1: 161.730 +- 0.533  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	3003506	10254052	9622697	9678	0	Pass
2	3005299	10265533	9636546	9816	0	Pass
3	3005458	10266927	9639838	9561	0	Pass
4	3007426	10286276	9643462	9718	0	Pass
5	3002572	10258810	9617633	9727	0	Pass
6	3006536	10275366	9645376	9883	0	Pass
7	3001848	10242411	9615125	9585	0	Pass
8	3007678	10289342	9645303	9686	0	Pass
9	3006238	10267265	9643947	9618	0	Pass
10	3007439	10280777	9651449	9766	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	50465.435	10868.996	0.000	0.000	Pass
2	50495.807	10828.441	0.000	0.000	Pass
3	50498.501	10795.785	0.000	0.000	Pass
4	50531.838	11066.738	0.000	0.000	Pass
5	50449.614	11037.973	0.000	0.000	Pass
6	50516.761	10845.854	0.000	0.000	Pass
7	50437.350	10798.752	0.000	0.000	Pass
8	50536.106	11087.859	0.000	0.000	Pass
9	50511.713	10730.955	0.000	0.000	Pass
10	50532.058	10834.564	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 09:58:05  
 Results file name: 9B6J5805.VER  
 Inspection number:  
 Item id: BC4 201911  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 6492.202 +- 1.936  
 Doubles: 180.137 +- 2.821  
 Triples: 0.000 +- 0.000  
 Scaler 1: 55.298 +- 0.262  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	388957	171657	161235	3382	0	Pass
2	389423	172564	161702	3223	0	Pass
3	388895	171529	160703	3290	0	Pass
4	389380	172242	161754	3313	0	Pass
5	389412	173551	161865	3315	0	Pass
6	389338	171973	161443	3334	0	Pass
7	388739	171533	161276	3353	0	Pass
8	388414	171366	161158	3361	0	Pass
9	389144	172410	161752	3256	0	Pass
10	389563	173506	161810	3352	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6489.371	174.425	0.000	0.000	Pass
2	6497.154	181.790	0.000	0.000	Pass
3	6488.336	181.186	0.000	0.000	Pass
4	6496.436	175.530	0.000	0.000	Pass
5	6496.970	195.581	0.000	0.000	Pass
6	6495.734	176.233	0.000	0.000	Pass
7	6485.730	171.663	0.000	0.000	Pass
8	6480.302	170.843	0.000	0.000	Pass
9	6492.494	178.375	0.000	0.000	Pass
10	6499.492	195.748	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 10:14:09  
 Results file name: 9B6K1409.VER  
 Inspection number:  
 Item id: BCS 201911  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 2695.446 +- 1.235  
 Doubles: 30.570 +- 1.274  
 Triples: 0.000 +- 0.000  
 Scaler 1: 48.150 +- 0.255  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	161399	29700	27921	2903	0	Pass
2	161734	29700	28224	2833	0	Pass
3	161857	29857	27840	2945	0	Pass
4	161874	30014	28013	2888	0	Pass
5	161528	29729	27843	2814	0	Pass
6	161438	29865	27742	2910	0	Pass
7	161775	29603	28238	2856	0	Pass
8	161933	29612	27690	2878	0	Pass
9	161778	29561	27777	2975	0	Pass
10	161252	29619	27662	2888	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2691.145	29.701	0.000	0.000	Pass
2	2696.733	24.643	0.000	0.000	Pass
3	2698.785	33.675	0.000	0.000	Pass
4	2699.069	33.408	0.000	0.000	Pass
5	2693.297	31.488	0.000	0.000	Pass
6	2691.796	35.445	0.000	0.000	Pass
7	2697.417	22.789	0.000	0.000	Pass
8	2700.053	32.089	0.000	0.000	Pass
9	2697.467	29.785	0.000	0.000	Pass
10	2688.693	32.673	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 10:29:13  
 Results file name: 9B6K2913.VER  
 Inspection number:  
 Item id: BCS 201911  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 855.109 +- 1.062  
 Doubles: 3.534 +- 0.351  
 Triples: 0.000 +- 0.000  
 Scaler 1: 68.558 +- 0.279  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	51196	3048	2911	4084	0	Pass
2	51493	3026	2813	4037	0	Pass
3	51137	3028	2830	4131	0	Pass
4	51262	3007	2849	4090	0	Pass
5	51543	3037	2820	4155	0	Pass
6	51270	2959	2796	4055	0	Pass
7	51155	3063	2729	4110	0	Pass
8	50941	3030	2711	4096	0	Pass
9	51494	2999	2782	4210	0	Pass
10	51504	2988	2825	4167	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	853.384	2.285	0.000	0.000	Pass
2	858.335	3.552	0.000	0.000	Pass
3	852.400	3.302	0.000	0.000	Pass
4	854.484	2.635	0.000	0.000	Pass
5	859.168	3.619	0.000	0.000	Pass
6	854.617	2.718	0.000	0.000	Pass
7	852.700	5.570	0.000	0.000	Pass
8	849.132	5.320	0.000	0.000	Pass
9	858.352	3.619	0.000	0.000	Pass
10	858.518	2.718	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 10:46:18  
 Results file name: 9B6K4618.VER  
 Inspection number:  
 Item id: BC7 201911  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 1049.087 +- 1.733  
 Doubles: 5.067 +- 0.470  
 Triples: 0.000 +- 0.000  
 Scaler 1: 111.733 +- 0.357  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	63125	4551	4206	6835	0	Pass
2	63298	4543	4306	6766	0	Pass
3	63411	4530	4153	6654	0	Pass
4	62836	4590	4128	6721	0	Pass
5	62509	4496	4144	6600	0	Pass
6	63056	4427	4219	6659	0	Pass
7	62623	4411	4143	6702	0	Pass
8	62431	4454	4298	6737	0	Pass
9	63069	4594	4285	6647	0	Pass
10	62988	4544	4220	6719	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1052.261	5.754	0.000	0.000	Pass
2	1055.145	3.953	0.000	0.000	Pass
3	1057.029	6.288	0.000	0.000	Pass
4	1047.443	7.705	0.000	0.000	Pass
5	1041.991	5.871	0.000	0.000	Pass
6	1051.111	3.469	0.000	0.000	Pass
7	1043.892	4.470	0.000	0.000	Pass
8	1040.690	2.602	0.000	0.000	Pass
9	1051.327	5.153	0.000	0.000	Pass
10	1049.977	5.404	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 11:02:22  
 Results file name: 9B6L0222.VER  
 Inspection number:  
 Item id: BC8 201911  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 609.686 +- 0.753  
 Doubles: 1.711 +- 0.176  
 Triples: 0.000 +- 0.000  
 Scaler 1: 44.387 +- 0.270  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	36485	1544	1410	2772	0	Pass
2	36528	1469	1338	2668	0	Pass
3	36596	1565	1455	2656	0	Pass
4	36657	1479	1445	2635	0	Pass
5	36735	1494	1403	2708	0	Pass
6	36401	1473	1381	2632	0	Pass
7	36797	1549	1462	2695	0	Pass
8	36619	1494	1364	2657	0	Pass
9	36622	1505	1364	2601	0	Pass
10	36336	1525	1449	2608	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	608.143	2.234	0.000	0.000	Pass
2	608.859	2.184	0.000	0.000	Pass
3	609.993	1.834	0.000	0.000	Pass
4	611.010	0.567	0.000	0.000	Pass
5	612.310	1.517	0.000	0.000	Pass
6	606.742	1.534	0.000	0.000	Pass
7	613.344	1.451	0.000	0.000	Pass
8	610.376	2.168	0.000	0.000	Pass
9	610.426	2.351	0.000	0.000	Pass
10	605.659	1.267	0.000	0.000	Pass

(2)



INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 11:18:26  
 Results file name: 9B6L1826.VER  
 Inspection number:  
 Item id: BC9 201911  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 1170.030 +- 1.443  
 Doubles: 5.933 +- 0.649  
 Triples: 0.000 +- 0.000  
 Scaler 1: 30.880 +- 0.128  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	70387	5571	5210	1843	0	Pass
2	70207	5649	5170	1803	0	Pass
3	69979	5414	5331	1834	0	Pass
4	70240	5636	5160	1840	0	Pass
5	70131	5687	5190	1855	0	Pass
6	70007	5632	5343	1860	0	Pass
7	70500	5689	5371	1878	0	Pass
8	69605	5473	5129	1867	0	Pass
9	70491	5699	5289	1889	0	Pass
10	70339	5625	5325	1859	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1173.338	6.021	0.000	0.000	Pass
2	1170.336	7.989	0.000	0.000	Pass
3	1166.535	1.384	0.000	0.000	Pass
4	1170.887	7.939	0.000	0.000	Pass
5	1169.069	8.290	0.000	0.000	Pass
6	1167.002	4.820	0.000	0.000	Pass
7	1175.222	5.304	0.000	0.000	Pass
8	1160.299	5.738	0.000	0.000	Pass
9	1175.072	6.838	0.000	0.000	Pass
10	1172.537	5.004	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 13:14:57  
 Results file name: 9B6N1457.VER  
 Inspection number:  
 Item id: BC10 201911  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 1145.112 +- 1.598  
 Doubles: 5.764 +- 0.431  
 Triples: 0.000 +- 0.000  
 Scaler 1: 34.977 +- 0.266  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	69026	5472	5118	2164	0	Pass
2	68595	5305	5169	2104	0	Pass
3	69214	5423	5018	2170	0	Pass
4	68555	5392	4968	2033	0	Pass
5	68404	5353	4945	2149	0	Pass
6	68612	5278	4910	2067	0	Pass
7	68781	5444	5060	2102	0	Pass
8	68152	5277	4918	2030	0	Pass
9	68772	5360	5071	2069	0	Pass
10	68830	5461	5112	2098	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1150.646	5.904	0.000	0.000	Pass
2	1143.460	2.268	0.000	0.000	Pass
3	1153.780	6.755	0.000	0.000	Pass
4	1142.793	6.738	0.000	0.000	Pass
5	1140.275	6.805	0.000	0.000	Pass
6	1143.743	6.138	0.000	0.000	Pass
7	1146.561	6.405	0.000	0.000	Pass
8	1136.074	5.988	0.000	0.000	Pass
9	1146.411	4.820	0.000	0.000	Pass
10	1147.378	5.821	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 09:08:52  
 Results file name: 9B6J0852.VER  
 Inspection number:  
 Item id: BT1 201911  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 1359.757 +- 1.288  
 Doubles: 8.335 +- 0.665  
 Triples: 0.000 +- 0.000  
 Scaler 1: 2627.558 +- 2.340  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	81807	7666	7195	157760	0	Pass
2	81257	7411	7132	157979	0	Pass
3	81944	7709	7216	157799	0	Pass
4	81357	7516	6993	157618	0	Pass
5	81286	7615	6869	157256	0	Pass
6	81542	7578	7151	158119	0	Pass
7	81680	7677	7131	157813	0	Pass
8	81557	7624	7004	157521	0	Pass
9	81530	7536	7037	156623	0	Pass
10	81894	7559	7162	158047	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1363.450	7.850	0.000	0.000	Pass
2	1354.283	4.650	0.000	0.000	Pass
3	1365.733	8.217	0.000	0.000	Pass
4	1355.950	8.717	0.000	0.000	Pass
5	1354.767	12.433	0.000	0.000	Pass
6	1359.033	7.117	0.000	0.000	Pass
7	1361.333	9.100	0.000	0.000	Pass
8	1359.283	10.333	0.000	0.000	Pass
9	1358.833	8.317	0.000	0.000	Pass
10	1364.900	6.617	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 09:25:57  
 Results file name: 9B6J2557.VER  
 Inspection number:  
 Item id: BT2 201911  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 3629.830 +- 2.109  
 Doubles: 57.623 +- 1.496  
 Triples: 0.000 +- 0.000  
 Scaler 1: 646.707 +- 1.402  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	217200	53497	50536	39009	0	Pass
2	218444	54624	51054	39197	0	Pass
3	217506	54199	50745	38624	0	Pass
4	217726	53979	50822	38870	0	Pass
5	217676	53839	50304	38434	0	Pass
6	217523	54120	50672	38680	0	Pass
7	217631	54007	50473	39075	0	Pass
8	218352	54060	50839	38398	0	Pass
9	218167	54230	50339	38919	0	Pass
10	217673	54146	50343	38818	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3620.000	49.350	0.000	0.000	Pass
2	3640.733	59.500	0.000	0.000	Pass
3	3625.100	57.567	0.000	0.000	Pass
4	3628.767	52.617	0.000	0.000	Pass
5	3627.933	58.917	0.000	0.000	Pass
6	3625.383	57.467	0.000	0.000	Pass
7	3627.183	58.900	0.000	0.000	Pass
8	3639.200	53.683	0.000	0.000	Pass
9	3636.117	64.850	0.000	0.000	Pass
10	3627.883	63.383	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 09:42:01  
 Results file name: 9B6J4201.VER  
 Inspection number:  
 Item id: BT3 201911  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 50090.000 +- 11.064  
 Doubles: 10542.305 +- 38.714  
 Triples: 0.000 +- 0.000  
 Scaler 1: 161.730 +- 0.533  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	3003506	10254052	9622697	9678	0	Pass
2	3005299	10265533	9636546	9816	0	Pass
3	3005458	10266927	9639838	9561	0	Pass
4	3007426	10286276	9643462	9718	0	Pass
5	3002572	10258810	9617633	9727	0	Pass
6	3006536	10275366	9645376	9883	0	Pass
7	3001848	10242411	9615125	9585	0	Pass
8	3007678	10289342	9645303	9686	0	Pass
9	3006238	10267265	9643947	9618	0	Pass
10	3007439	10280777	9651449	9766	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	50058.433	10522.583	0.000	0.000	Pass
2	50088.317	10483.117	0.000	0.000	Pass
3	50090.967	10451.483	0.000	0.000	Pass
4	50123.767	10713.567	0.000	0.000	Pass
5	50042.867	10686.283	0.000	0.000	Pass
6	50108.933	10499.833	0.000	0.000	Pass
7	50030.800	10454.767	0.000	0.000	Pass
8	50127.967	10733.983	0.000	0.000	Pass
9	50103.967	10388.633	0.000	0.000	Pass
10	50123.983	10488.800	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 09:58:05  
 Results file name: 9B6J5805.VER  
 Inspection number:  
 Item id: BT4 201911  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 6485.442 +- 1.932  
 Doubles: 179.388 +- 2.810  
 Triples: 0.000 +- 0.000  
 Scaler 1: 55.298 +- 0.262  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	388957	171657	161235	3382	0	Pass
2	389423	172564	161702	3223	0	Pass
3	388895	171529	160703	3290	0	Pass
4	389380	172242	161754	3313	0	Pass
5	389412	173551	161865	3315	0	Pass
6	389338	171973	161443	3334	0	Pass
7	388739	171533	161276	3353	0	Pass
8	388414	171366	161158	3361	0	Pass
9	389144	172410	161752	3256	0	Pass
10	389563	173506	161810	3352	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6482.617	173.700	0.000	0.000	Pass
2	6490.383	181.033	0.000	0.000	Pass
3	6481.583	180.433	0.000	0.000	Pass
4	6489.667	174.800	0.000	0.000	Pass
5	6490.200	194.767	0.000	0.000	Pass
6	6488.967	175.500	0.000	0.000	Pass
7	6478.983	170.950	0.000	0.000	Pass
8	6473.567	170.133	0.000	0.000	Pass
9	6485.733	177.633	0.000	0.000	Pass
10	6492.717	194.933	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 10:14:09  
 Results file name: 9B6K1409.VER  
 Inspection number:  
 Item id: BT5 201911  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 2694.280 +- 1.233  
 Doubles: 30.517 +- 1.272  
 Triples: 0.000 +- 0.000  
 Scaler 1: 48.150 +- 0.255  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	161399	29700	27921	2903	0	Pass
2	161734	29700	28224	2833	0	Pass
3	161857	29857	27840	2945	0	Pass
4	161874	30014	28013	2888	0	Pass
5	161528	29729	27843	2814	0	Pass
6	161438	29865	27742	2910	0	Pass
7	161775	29603	28238	2856	0	Pass
8	161933	29612	27690	2878	0	Pass
9	161778	29561	27777	2975	0	Pass
10	161252	29619	27662	2888	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2689.983	29.650	0.000	0.000	Pass
2	2695.567	24.600	0.000	0.000	Pass
3	2697.617	33.617	0.000	0.000	Pass
4	2697.900	33.350	0.000	0.000	Pass
5	2692.133	31.433	0.000	0.000	Pass
6	2690.633	35.383	0.000	0.000	Pass
7	2696.250	22.750	0.000	0.000	Pass
8	2698.883	32.033	0.000	0.000	Pass
9	2696.300	29.733	0.000	0.000	Pass
10	2687.533	32.617	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 10:29:13  
 Results file name: 9B6K2913.VER  
 Inspection number:  
 Item id: BT6 201911  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 854.992 +- 1.062  
 Doubles: 3.532 +- 0.351  
 Triples: 0.000 +- 0.000  
 Scaler 1: 68.558 +- 0.279  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	51196	3048	2911	4084	0	Pass
2	51493	3026	2813	4037	0	Pass
3	51137	3028	2830	4131	0	Pass
4	51262	3007	2849	4090	0	Pass
5	51543	3037	2820	4155	0	Pass
6	51270	2959	2796	4055	0	Pass
7	51155	3063	2729	4110	0	Pass
8	50941	3030	2711	4096	0	Pass
9	51494	2999	2782	4210	0	Pass
10	51504	2988	2825	4167	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	853.267	2.283	0.000	0.000	Pass
2	858.217	3.550	0.000	0.000	Pass
3	852.283	3.300	0.000	0.000	Pass
4	854.367	2.633	0.000	0.000	Pass
5	859.050	3.617	0.000	0.000	Pass
6	854.500	2.717	0.000	0.000	Pass
7	852.583	5.567	0.000	0.000	Pass
8	849.017	5.317	0.000	0.000	Pass
9	858.233	3.617	0.000	0.000	Pass
10	858.400	2.717	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 10:46:18  
 Results file name: 9B6K4618.VER  
 Inspection number:  
 Item id: BT7 201911  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles:	1048.910 +-	1.732
Doubles:	5.063 +-	0.470
Triples:	0.000 +-	0.000
Scaler 1:	111.733 +-	0.357
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	63125	4551	4206	6835	0	Pass
2	63298	4543	4306	6766	0	Pass
3	63411	4530	4153	6654	0	Pass
4	62836	4590	4128	6721	0	Pass
5	62509	4496	4144	6600	0	Pass
6	63056	4427	4219	6659	0	Pass
7	62623	4411	4143	6702	0	Pass
8	62431	4454	4298	6737	0	Pass
9	63069	4594	4285	6647	0	Pass
10	62988	4544	4220	6719	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1052.083	5.750	0.000	0.000	Pass
2	1054.967	3.950	0.000	0.000	Pass
3	1056.850	6.283	0.000	0.000	Pass
4	1047.267	7.700	0.000	0.000	Pass
5	1041.817	5.867	0.000	0.000	Pass
6	1050.933	3.467	0.000	0.000	Pass
7	1043.717	4.467	0.000	0.000	Pass
8	1040.517	2.600	0.000	0.000	Pass
9	1051.150	5.150	0.000	0.000	Pass
10	1049.800	5.400	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 11:02:22  
 Results file name: 9B6L0222.VER  
 Inspection number:  
 Item id: BT8 201911  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles:	609.627 +-	0.753
Doubles:	1.710 +-	0.175
Triples:	0.000 +-	0.000
Scaler 1:	44.387 +-	0.270
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	36485	1544	1410	2772	0	Pass
2	36528	1469	1338	2668	0	Pass
3	36596	1565	1455	2656	0	Pass
4	36657	1479	1445	2635	0	Pass
5	36735	1494	1403	2708	0	Pass
6	36401	1473	1381	2632	0	Pass
7	36797	1549	1462	2695	0	Pass
8	36619	1494	1364	2657	0	Pass
9	36622	1505	1364	2601	0	Pass
10	36336	1525	1449	2608	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	608.083	2.233	0.000	0.000	Pass
2	608.800	2.183	0.000	0.000	Pass
3	609.933	1.833	0.000	0.000	Pass
4	610.950	0.567	0.000	0.000	Pass
5	612.250	1.517	0.000	0.000	Pass
6	606.683	1.533	0.000	0.000	Pass
7	613.283	1.450	0.000	0.000	Pass
8	610.317	2.167	0.000	0.000	Pass
9	610.367	2.350	0.000	0.000	Pass
10	605.600	1.267	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 11:18:26  
 Results file name: 9B6L1826.VER  
 Inspection number:  
 Item id: BT9 201911  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles:	1169.810 +-	1.443
Doubles:	5.928 +-	0.648
Triples:	0.000 +-	0.000
Scaler 1:	30.880 +-	0.128
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	70387	5571	5210	1843	0	Pass
2	70207	5649	5170	1803	0	Pass
3	69979	5414	5331	1834	0	Pass
4	70240	5636	5160	1840	0	Pass
5	70131	5687	5190	1855	0	Pass
6	70007	5632	5343	1860	0	Pass
7	70500	5689	5371	1878	0	Pass
8	69605	5473	5129	1867	0	Pass
9	70491	5699	5289	1889	0	Pass
10	70339	5625	5325	1859	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1173.117	6.017	0.000	0.000	Pass
2	1170.117	7.983	0.000	0.000	Pass
3	1166.317	1.383	0.000	0.000	Pass
4	1170.667	7.933	0.000	0.000	Pass
5	1168.850	8.283	0.000	0.000	Pass
6	1166.783	4.817	0.000	0.000	Pass
7	1175.000	5.300	0.000	0.000	Pass
8	1160.083	5.733	0.000	0.000	Pass
9	1174.850	6.833	0.000	0.000	Pass
10	1172.317	5.000	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 13:14:57  
 Results file name: 9B6N1457.VER  
 Inspection number:  
 Item id: BT10 201911  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles:	1144.902 +-	1.597
Doubles:	5.760 +-	0.431
Triples:	0.000 +-	0.000
Scaler 1:	34.977 +-	0.266
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	69026	5472	5118	2164	0	Pass
2	68595	5305	5169	2104	0	Pass
3	69214	5423	5018	2170	0	Pass
4	68555	5392	4968	2033	0	Pass
5	68404	5353	4945	2149	0	Pass
6	68612	5278	4910	2067	0	Pass
7	68781	5444	5060	2102	0	Pass
8	68152	5277	4918	2030	0	Pass
9	68772	5360	5071	2069	0	Pass
10	68830	5461	5112	2098	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1150.433	5.900	0.000	0.000	Pass
2	1143.250	2.267	0.000	0.000	Pass
3	1153.567	6.750	0.000	0.000	Pass
4	1142.583	6.733	0.000	0.000	Pass
5	1140.067	6.800	0.000	0.000	Pass
6	1143.533	6.133	0.000	0.000	Pass
7	1146.350	6.400	0.000	0.000	Pass
8	1135.867	5.983	0.000	0.000	Pass
9	1146.200	4.817	0.000	0.000	Pass
10	1147.167	5.817	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 09:08:57  
 Results file name: 9B6J0857.VER  
 Inspection number:  
 Item id: PB1 201911  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 1092.775 +- 0.872  
 Doubles: 4.568 +- 0.457  
 Triples: 0.000 +- 0.000  
 Scaler 1: 53.368 +- 0.230  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	65528	4849	4639	3218	0	Pass
2	65596	5001	4600	3149	0	Pass
3	65769	4883	4525	3155	0	Pass
4	65758	4913	4691	3207	0	Pass
5	65713	4856	4675	3214	0	Pass
6	65345	4785	4645	3283	0	Pass
7	65452	4818	4539	3253	0	Pass
8	65298	4868	4545	3197	0	Pass
9	65540	4851	4590	3152	0	Pass
10	65666	4870	4504	3193	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1092.133	3.500	0.000	0.000	Pass
2	1093.267	6.683	0.000	0.000	Pass
3	1096.150	5.967	0.000	0.000	Pass
4	1095.967	3.700	0.000	0.000	Pass
5	1095.217	3.017	0.000	0.000	Pass
6	1089.083	2.333	0.000	0.000	Pass
7	1090.867	4.650	0.000	0.000	Pass
8	1088.300	5.383	0.000	0.000	Pass
9	1092.333	4.350	0.000	0.000	Pass
10	1094.433	6.100	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 09:26:02  
 Results file name: 9B6J2602.VER  
 Inspection number:  
 Item id: PB2 201911  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 1339.795 +- 1.154  
 Doubles: 7.177 +- 0.883  
 Triples: 0.000 +- 0.000  
 Scaler 1: 45.387 +- 0.357  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	80174	7277	7116	2666	0	Pass
2	80322	7177	6753	2800	0	Pass
3	80418	7268	6990	2729	0	Pass
4	80351	7418	6973	2742	0	Pass
5	80568	7232	6997	2807	0	Pass
6	80541	7406	6809	2658	0	Pass
7	80556	7381	6985	2726	0	Pass
8	80343	7399	6902	2672	0	Pass
9	80675	7652	7019	2622	0	Pass
10	79929	7266	6626	2810	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1336.233	2.683	0.000	0.000	Pass
2	1338.700	7.067	0.000	0.000	Pass
3	1340.300	4.633	0.000	0.000	Pass
4	1339.183	7.417	0.000	0.000	Pass
5	1342.800	3.917	0.000	0.000	Pass
6	1342.350	9.950	0.000	0.000	Pass
7	1342.600	6.600	0.000	0.000	Pass
8	1339.050	8.283	0.000	0.000	Pass
9	1344.583	10.550	0.000	0.000	Pass
10	1332.150	10.667	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 09:42:06  
 Results file name: 9B6J4206.VER  
 Inspection number:  
 Item id: PB3 201911  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 729.082 +- 1.712  
 Doubles: 2.097 +- 0.281  
 Triples: 0.000 +- 0.000  
 Scaler 1: 58.323 +- 0.169  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	43946	2172	2040	3561	0	Pass
2	43533	2096	2006	3532	0	Pass
3	44212	2194	2031	3467	0	Pass
4	43608	2144	1992	3483	0	Pass
5	43713	2214	2115	3497	0	Pass
6	43518	2200	1975	3494	0	Pass
7	43943	2213	2038	3483	0	Pass
8	43503	2072	2026	3463	0	Pass
9	44225	2227	2140	3481	0	Pass
10	43248	2047	1958	3533	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	732.433	2.200	0.000	0.000	Pass
2	725.550	1.500	0.000	0.000	Pass
3	736.867	2.717	0.000	0.000	Pass
4	726.800	2.533	0.000	0.000	Pass
5	728.550	1.650	0.000	0.000	Pass
6	725.300	3.750	0.000	0.000	Pass
7	732.383	2.917	0.000	0.000	Pass
8	725.050	0.767	0.000	0.000	Pass
9	737.083	1.450	0.000	0.000	Pass
10	720.800	1.483	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 09:58:10  
 Results file name: 9B6J5810.VER  
 Inspection number:  
 Item id: PB4 201911  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 1534.990 +- 1.172  
 Doubles: 9.288 +- 0.674  
 Triples: 0.000 +- 0.000  
 Scaler 1: 253.387 +- 0.731  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	92019	9550	9003	15134	0	Pass
2	91883	9457	8908	15214	0	Pass
3	92122	9616	9136	15089	0	Pass
4	92183	9647	9091	15266	0	Pass
5	91812	9764	9017	15408	0	Pass
6	92518	9774	9093	15347	0	Pass
7	92380	9656	9070	15042	0	Pass
8	91958	9466	9189	15119	0	Pass
9	91948	9593	8949	15373	0	Pass
10	92171	9664	9158	15040	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1533.650	9.117	0.000	0.000	Pass
2	1531.383	9.150	0.000	0.000	Pass
3	1535.367	8.000	0.000	0.000	Pass
4	1536.383	9.267	0.000	0.000	Pass
5	1530.200	12.450	0.000	0.000	Pass
6	1541.967	11.350	0.000	0.000	Pass
7	1539.667	9.767	0.000	0.000	Pass
8	1532.633	4.617	0.000	0.000	Pass
9	1532.467	10.733	0.000	0.000	Pass
10	1536.183	8.433	0.000	0.000	Pass

(2)



INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 10:14:14  
 Results file name: 9B6K1414.VER  
 Inspection number:  
 Item id: PBS 201911  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 1366.238 +- 1.454  
 Doubles: 6.202 +- 0.424  
 Triples: 0.000 +- 0.000  
 Scaler 1: 136.797 +- 0.263  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	82215	7560	7193	8209	0	Pass
2	82132	7651	7306	8231	0	Pass
3	81845	7687	7174	8218	0	Pass
4	82005	7466	7141	8183	0	Pass
5	81701	7562	7159	8300	0	Pass
6	82256	7689	7272	8215	0	Pass
7	81769	7610	7247	8220	0	Pass
8	82322	7736	7448	8167	0	Pass
9	81461	7548	7088	8106	0	Pass
10	82037	7591	7351	8229	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1370.250	6.117	0.000	0.000	Pass
2	1368.867	5.750	0.000	0.000	Pass
3	1364.083	8.550	0.000	0.000	Pass
4	1366.750	5.417	0.000	0.000	Pass
5	1361.683	6.717	0.000	0.000	Pass
6	1370.933	6.950	0.000	0.000	Pass
7	1362.817	6.050	0.000	0.000	Pass
8	1372.033	4.800	0.000	0.000	Pass
9	1357.683	7.667	0.000	0.000	Pass
10	1367.283	4.000	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 10:29:18  
 Results file name: 9B6K2918.VER  
 Inspection number:  
 Item id: PB6 201911  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 1844.522 +- 2.420  
 Doubles: 13.420 +- 1.029  
 Triples: 0.000 +- 0.000  
 Scaler 1: 68.342 +- 0.297  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	111254	14014	13152	4138	0	Pass
2	110724	13955	12975	4173	0	Pass
3	110571	13973	13022	4117	0	Pass
4	110208	13730	13036	4116	0	Pass
5	110957	13757	13136	4072	0	Pass
6	110843	13940	13107	3974	0	Pass
7	110861	13977	13197	4158	0	Pass
8	111185	13895	13175	4066	0	Pass
9	110338	13690	13226	4099	0	Pass
10	109772	13781	12634	4092	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1854.233	14.367	0.000	0.000	Pass
2	1845.400	16.333	0.000	0.000	Pass
3	1842.850	15.850	0.000	0.000	Pass
4	1836.800	11.567	0.000	0.000	Pass
5	1849.283	10.350	0.000	0.000	Pass
6	1847.383	13.883	0.000	0.000	Pass
7	1847.683	13.000	0.000	0.000	Pass
8	1853.083	12.000	0.000	0.000	Pass
9	1838.967	7.733	0.000	0.000	Pass
10	1829.533	19.117	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 10:46:23  
 Results file name: 9B6K4623.VER  
 Inspection number:  
 Item id: PB7 201911  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06

Pre-delay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 4729.687 +- 1.942  
 Doubles: 91.818 +- 2.461  
 Triples: 0.000 +- 0.000  
 Scaler 1: 107.582 +- 0.448  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	284568	91615	85924	6442	0	Pass
2	283587	91456	86194	6571	0	Pass
3	283760	91627	86150	6561	0	Pass
4	283453	90998	86021	6361	0	Pass
5	284000	91731	86363	6438	0	Pass
6	283749	91747	85978	6519	0	Pass
7	283524	91533	85267	6459	0	Pass
8	283294	91065	86040	6391	0	Pass
9	284105	91456	86403	6497	0	Pass
10	283772	91686	85483	6310	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	4742.800	94.850	0.000	0.000	Pass
2	4726.450	87.700	0.000	0.000	Pass
3	4729.333	91.283	0.000	0.000	Pass
4	4724.217	82.950	0.000	0.000	Pass
5	4733.333	89.467	0.000	0.000	Pass
6	4729.150	96.150	0.000	0.000	Pass
7	4725.400	104.433	0.000	0.000	Pass
8	4721.567	83.750	0.000	0.000	Pass
9	4735.083	84.217	0.000	0.000	Pass
10	4729.533	103.383	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 11:02:27  
 Results file name: 9B6L0227.VER  
 Inspection number:  
 Item id: PB8 201911  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06

Pre-delay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 41046.460 +- 6.286  
 Doubles: 6977.885 +- 20.476  
 Triples: 0.000 +- 0.000  
 Scaler 1: 332.198 +- 0.861  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2461975	6890167	6463848	20120	0	Pass
2	2464666	6896354	6478393	20171	0	Pass
3	2463733	6890946	6478380	19967	0	Pass
4	2463706	6895600	6473740	19780	0	Pass
5	2462057	6882429	6465344	19841	0	Pass
6	2463415	6889400	6470348	19741	0	Pass
7	2462344	6879373	6464423	19700	0	Pass
8	2463456	6892728	6475520	20068	0	Pass
9	2461832	6882307	6464430	20012	0	Pass
10	2460692	6879282	6457429	19919	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	41032.917	7105.317	0.000	0.000	Pass
2	41077.767	6966.017	0.000	0.000	Pass
3	41062.217	6876.100	0.000	0.000	Pass
4	41061.767	7031.000	0.000	0.000	Pass
5	41034.283	6951.417	0.000	0.000	Pass
6	41056.917	6984.200	0.000	0.000	Pass
7	41039.067	6915.833	0.000	0.000	Pass
8	41057.600	6953.467	0.000	0.000	Pass
9	41030.533	6964.617	0.000	0.000	Pass
10	41011.533	7030.883	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 11:18:31  
 Results file name: 9B6L1831.VER  
 Inspection number:  
 Item id: PB9 201911  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 7857.783 +- 3.469  
 Doubles: 248.595 +- 4.237  
 Triples: 0.000 +- 0.000  
 Scaler 1: 1108.095 +- 1.310  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	471493	252982	237369	66802	0	Pass
2	472508	253926	239018	66233	0	Pass
3	470652	251399	236750	66617	0	Pass
4	470861	251424	236525	65991	0	Pass
5	470824	251111	237318	66253	0	Pass
6	470882	251186	236835	66587	0	Pass
7	472102	252703	237588	66594	0	Pass
8	471597	252029	237836	66623	0	Pass
9	472245	253528	238573	66484	0	Pass
10	471506	253373	236692	66673	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7858.217	260.217	0.000	0.000	Pass
2	7875.133	248.467	0.000	0.000	Pass
3	7844.200	244.150	0.000	0.000	Pass
4	7847.683	248.317	0.000	0.000	Pass
5	7847.067	229.883	0.000	0.000	Pass
6	7848.033	239.183	0.000	0.000	Pass
7	7868.367	251.917	0.000	0.000	Pass
8	7859.950	236.550	0.000	0.000	Pass
9	7870.750	249.250	0.000	0.000	Pass
10	7858.433	278.017	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 13:15:03  
 Results file name: 9BGN1503.VER  
 Inspection number:  
 Item id: PB10 201911  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 3333.760 +- 1.222  
 Doubles: 44.835 +- 1.062  
 Triples: 0.000 +- 0.000  
 Scaler 1: 2529.858 +- 2.510  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	200092	45128	42736	151761	0	Pass
2	200097	45359	42634	151926	0	Pass
3	199746	45176	42701	152028	0	Pass
4	200260	45675	42891	152797	0	Pass
5	199996	45821	42936	151900	0	Pass
6	199995	45538	42912	152137	0	Pass
7	200245	45464	43010	151337	0	Pass
8	200344	45786	43053	151315	0	Pass
9	199624	45329	42517	151278	0	Pass
10	199857	45370	42355	151436	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3334.867	39.867	0.000	0.000	Pass
2	3334.950	45.417	0.000	0.000	Pass
3	3329.100	41.250	0.000	0.000	Pass
4	3337.667	46.400	0.000	0.000	Pass
5	3333.267	48.083	0.000	0.000	Pass
6	3333.250	43.767	0.000	0.000	Pass
7	3337.417	40.900	0.000	0.000	Pass
8	3339.067	45.550	0.000	0.000	Pass
9	3327.067	46.867	0.000	0.000	Pass
10	3330.950	50.250	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: AFAS  
Detector id: JSR\_03  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.11.06 09:08:57  
Results file name: 9B6J0857.VER  
Inspection number:  
Item id: PC1 201911  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: OD  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.11.06  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.11.06

Pre-delay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1620  
Multiplicity deadtime: 86.5000  
Coefficient A deadtime: 0.3458  
Coefficient B deadtime: 0.0299  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.000  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
No known alpha calibration

Results

Singles: 1092.878 +- 0.872  
Doubles: 4.570 +- 0.457  
Triples: 0.000 +- 0.000  
Scaler 1: 53.368 +- 0.230  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	65528	4849	4639	3218	0	Pass
2	65596	5001	4600	3149	0	Pass
3	65769	4883	4525	3155	0	Pass
4	65758	4913	4691	3207	0	Pass
5	65713	4856	4675	3214	0	Pass
6	65345	4785	4645	3283	0	Pass
7	65452	4818	4539	3253	0	Pass
8	65298	4868	4545	3197	0	Pass
9	65540	4851	4590	3152	0	Pass
10	65666	4870	4504	3193	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1092.236	3.501	0.000	0.000	Pass
2	1093.370	6.686	0.000	0.000	Pass
3	1096.254	5.969	0.000	0.000	Pass
4	1096.071	3.701	0.000	0.000	Pass
5	1095.320	3.018	0.000	0.000	Pass
6	1089.186	2.334	0.000	0.000	Pass
7	1090.970	4.652	0.000	0.000	Pass
8	1088.402	5.385	0.000	0.000	Pass
9	1092.436	4.352	0.000	0.000	Pass
10	1094.537	6.102	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: AFAS  
Detector id: JSR\_03  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.11.06 09:26:02  
Results file name: 9B6J2602.VER  
Inspection number:  
Item id: PC2 201911  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: OD  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.11.06  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.11.06

Pre-delay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1620  
Multiplicity deadtime: 86.5000  
Coefficient A deadtime: 0.3458  
Coefficient B deadtime: 0.0299  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.000  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
No known alpha calibration

Results

Singles: 1339.950 +- 1.154  
Doubles: 7.180 +- 0.883  
Triples: 0.000 +- 0.000  
Scaler 1: 45.387 +- 0.357  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	80174	7277	7116	2666	0	Pass
2	80322	7177	6753	2800	0	Pass
3	80418	7268	6990	2729	0	Pass
4	80351	7418	6973	2742	0	Pass
5	80568	7232	6997	2807	0	Pass
6	80541	7406	6809	2658	0	Pass
7	80556	7381	6985	2726	0	Pass
8	80343	7399	6902	2672	0	Pass
9	80675	7652	7019	2622	0	Pass
10	79929	7266	6626	2810	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1336.388	2.685	0.000	0.000	Pass
2	1338.855	7.070	0.000	0.000	Pass
3	1340.455	4.635	0.000	0.000	Pass
4	1339.338	7.420	0.000	0.000	Pass
5	1342.956	3.918	0.000	0.000	Pass
6	1342.506	9.955	0.000	0.000	Pass
7	1342.756	6.603	0.000	0.000	Pass
8	1339.205	8.287	0.000	0.000	Pass
9	1344.740	10.555	0.000	0.000	Pass
10	1332.303	10.672	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 09:42:06  
 Results file name: 9B6J4206.VER  
 Inspection number:  
 Item id: PC3 201911  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 729.128 +- 1.712  
 Doubles: 2.097 +- 0.281  
 Triples: 0.000 +- 0.000  
 Scaler 1: 58.323 +- 0.169  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	43946	2172	2040	3561	0	Pass
2	43533	2096	2006	3532	0	Pass
3	44212	2194	2031	3467	0	Pass
4	43608	2144	1992	3483	0	Pass
5	43713	2214	2115	3497	0	Pass
6	43518	2200	1975	3494	0	Pass
7	43943	2213	2038	3483	0	Pass
8	43503	2072	2026	3463	0	Pass
9	44225	2227	2140	3481	0	Pass
10	43248	2047	1958	3533	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	732.480	2.201	0.000	0.000	Pass
2	725.596	1.500	0.000	0.000	Pass
3	736.914	2.717	0.000	0.000	Pass
4	726.846	2.534	0.000	0.000	Pass
5	728.596	1.650	0.000	0.000	Pass
6	725.345	3.751	0.000	0.000	Pass
7	732.430	2.917	0.000	0.000	Pass
8	725.095	0.767	0.000	0.000	Pass
9	737.130	1.450	0.000	0.000	Pass
10	720.845	1.484	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 09:58:10  
 Results file name: 9B6J5810.VER  
 Inspection number:  
 Item id: PC4 201911  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 1535.194 +- 1.173  
 Doubles: 9.293 +- 0.674  
 Triples: 0.000 +- 0.000  
 Scaler 1: 253.387 +- 0.731  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	92019	9550	9003	15134	0	Pass
2	91883	9457	8908	15214	0	Pass
3	92122	9616	9136	15089	0	Pass
4	92183	9647	9091	15266	0	Pass
5	91812	9764	9017	15408	0	Pass
6	92518	9774	9093	15347	0	Pass
7	92380	9656	9070	15042	0	Pass
8	91958	9466	9189	15119	0	Pass
9	91948	9593	8949	15373	0	Pass
10	92171	9664	9158	15040	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1533.853	9.122	0.000	0.000	Pass
2	1531.586	9.155	0.000	0.000	Pass
3	1535.571	8.004	0.000	0.000	Pass
4	1536.587	9.272	0.000	0.000	Pass
5	1530.402	12.457	0.000	0.000	Pass
6	1542.172	11.356	0.000	0.000	Pass
7	1539.872	9.772	0.000	0.000	Pass
8	1532.836	4.619	0.000	0.000	Pass
9	1532.670	10.739	0.000	0.000	Pass
10	1536.387	8.438	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 10:14:14  
 Results file name: 9B6K1414.VER  
 Inspection number:  
 Item id: PCS 201911  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 1366.400 +- 1.454  
 Doubles: 6.205 +- 0.424  
 Triples: 0.000 +- 0.000  
 Scaler 1: 136.797 +- 0.263  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	82215	7560	7193	8209	0	Pass
2	82132	7651	7306	8231	0	Pass
3	81845	7687	7174	8218	0	Pass
4	82005	7466	7141	8183	0	Pass
5	81701	7562	7159	8300	0	Pass
6	82256	7689	7272	8215	0	Pass
7	81769	7610	7247	8220	0	Pass
8	82322	7736	7448	8167	0	Pass
9	81461	7548	7088	8106	0	Pass
10	82037	7591	7351	8229	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1370.412	6.120	0.000	0.000	Pass
2	1369.029	5.753	0.000	0.000	Pass
3	1364.244	8.554	0.000	0.000	Pass
4	1366.912	5.419	0.000	0.000	Pass
5	1361.844	6.720	0.000	0.000	Pass
6	1371.096	6.953	0.000	0.000	Pass
7	1362.977	6.053	0.000	0.000	Pass
8	1372.196	4.802	0.000	0.000	Pass
9	1357.843	7.670	0.000	0.000	Pass
10	1367.445	4.002	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 10:29:18  
 Results file name: 9B6K2918.VER  
 Inspection number:  
 Item id: PC6 201911  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 1844.816 +- 2.421  
 Doubles: 13.429 +- 1.030  
 Triples: 0.000 +- 0.000  
 Scaler 1: 68.342 +- 0.297  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	111254	14014	13152	4138	0	Pass
2	110724	13955	12975	4173	0	Pass
3	110571	13973	13022	4117	0	Pass
4	110208	13730	13036	4116	0	Pass
5	110957	13757	13136	4072	0	Pass
6	110843	13940	13107	3974	0	Pass
7	110861	13977	13197	4158	0	Pass
8	111185	13895	13175	4066	0	Pass
9	110338	13690	13226	4099	0	Pass
10	109772	13781	12634	4092	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1854.531	14.376	0.000	0.000	Pass
2	1845.694	16.344	0.000	0.000	Pass
3	1843.144	15.860	0.000	0.000	Pass
4	1837.092	11.574	0.000	0.000	Pass
5	1849.579	10.357	0.000	0.000	Pass
6	1847.678	13.892	0.000	0.000	Pass
7	1847.979	13.008	0.000	0.000	Pass
8	1853.380	12.008	0.000	0.000	Pass
9	1839.259	7.738	0.000	0.000	Pass
10	1829.823	19.129	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 10:46:23  
 Results file name: 9B6K4623.VER  
 Inspection number:  
 Item id: PC7 201911  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 4731.622 +- 1.944  
 Doubles: 91.969 +- 2.465  
 Triples: 0.000 +- 0.000  
 Scaler 1: 107.582 +- 0.448  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	284568	91615	85924	6442	0	Pass
2	283587	91456	86194	6571	0	Pass
3	283760	91627	86150	6561	0	Pass
4	283453	90998	86021	6361	0	Pass
5	284000	91731	86363	6438	0	Pass
6	283749	91747	85978	6519	0	Pass
7	283524	91533	85267	6459	0	Pass
8	283294	91065	86040	6391	0	Pass
9	284105	91456	86403	6497	0	Pass
10	283772	91686	85483	6310	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	4744.746	95.006	0.000	0.000	Pass
2	4728.382	87.844	0.000	0.000	Pass
3	4731.268	91.433	0.000	0.000	Pass
4	4726.147	83.086	0.000	0.000	Pass
5	4735.271	89.613	0.000	0.000	Pass
6	4731.085	96.307	0.000	0.000	Pass
7	4727.332	104.604	0.000	0.000	Pass
8	4723.495	83.887	0.000	0.000	Pass
9	4737.023	84.355	0.000	0.000	Pass
10	4731.468	103.553	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 11:02:27  
 Results file name: 9B6L0227.VER  
 Inspection number:  
 Item id: PC8 201911  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 41192.890 +- 6.331  
 Doubles: 7077.991 +- 20.764  
 Triples: 0.000 +- 0.000  
 Scaler 1: 332.198 +- 0.861  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2461975	6890167	6463848	20120	0	Pass
2	2464666	6896354	6478393	20171	0	Pass
3	2463733	6890946	6478380	19967	0	Pass
4	2463706	6895600	6473740	19780	0	Pass
5	2462057	6882429	6465344	19841	0	Pass
6	2463415	6889400	6470348	19741	0	Pass
7	2462344	6879373	6464423	19700	0	Pass
8	2463456	6892728	6475520	20068	0	Pass
9	2461832	6882307	6464430	20012	0	Pass
10	2460692	6879282	6457429	19919	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	41179.249	7207.217	0.000	0.000	Pass
2	41224.420	7066.029	0.000	0.000	Pass
3	41208.759	6974.784	0.000	0.000	Pass
4	41208.306	7131.906	0.000	0.000	Pass
5	41180.626	7051.113	0.000	0.000	Pass
6	41203.421	7084.422	0.000	0.000	Pass
7	41185.443	7015.031	0.000	0.000	Pass
8	41204.109	7053.250	0.000	0.000	Pass
9	41176.849	7064.493	0.000	0.000	Pass
10	41157.713	7131.663	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 11:18:31  
 Results file name: 9B6L1831.VER  
 Inspection number:  
 Item id: PC9 201911  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06

Pre-delay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 7863.127 +- 3.473  
 Doubles: 249.272 +- 4.249  
 Triples: 0.000 +- 0.000  
 Scaler 1: 1108.095 +- 1.310  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	471493	252982	237369	66802	0	Pass
2	472508	253926	239018	66233	0	Pass
3	470652	251399	236750	66617	0	Pass
4	470861	251424	236525	65991	0	Pass
5	470824	251111	237318	66253	0	Pass
6	470882	251186	236835	66587	0	Pass
7	472102	252703	237588	66594	0	Pass
8	471597	252029	237836	66623	0	Pass
9	472245	253528	238573	66484	0	Pass
10	471506	253373	236692	66673	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7863.561	260.925	0.000	0.000	Pass
2	7880.500	249.145	0.000	0.000	Pass
3	7849.525	244.814	0.000	0.000	Pass
4	7853.013	248.992	0.000	0.000	Pass
5	7852.395	230.508	0.000	0.000	Pass
6	7853.363	239.834	0.000	0.000	Pass
7	7873.724	252.604	0.000	0.000	Pass
8	7865.296	237.194	0.000	0.000	Pass
9	7876.111	249.930	0.000	0.000	Pass
10	7863.777	278.774	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 13:15:03  
 Results file name: 9B6N1503.VER  
 Inspection number:  
 Item id: PC10 201911  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06

Pre-delay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 3334.721 +- 1.223  
 Doubles: 44.887 +- 1.063  
 Triples: 0.000 +- 0.000  
 Scaler 1: 2529.858 +- 2.510  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	200092	45128	42736	151761	0	Pass
2	200097	45359	42634	151926	0	Pass
3	199746	45176	42701	152028	0	Pass
4	200260	45675	42891	152797	0	Pass
5	199996	45821	42936	151900	0	Pass
6	199995	45538	42912	152137	0	Pass
7	200245	45464	43010	151337	0	Pass
8	200344	45786	43053	151315	0	Pass
9	199624	45329	42517	151278	0	Pass
10	199857	45370	42355	151436	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3335.829	39.913	0.000	0.000	Pass
2	3335.912	45.469	0.000	0.000	Pass
3	3330.059	41.298	0.000	0.000	Pass
4	3338.630	46.454	0.000	0.000	Pass
5	3334.228	48.139	0.000	0.000	Pass
6	3334.211	43.817	0.000	0.000	Pass
7	3338.380	40.947	0.000	0.000	Pass
8	3340.031	45.603	0.000	0.000	Pass
9	3328.024	46.921	0.000	0.000	Pass
10	3331.910	50.308	0.000	0.000	Pass

(2)



INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 09:08:51  
 Results file name: 9B6J0851.VER  
 Inspection number:  
 Item id: PT1 201911  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 40.963 +- 0.216  
 Doubles: -0.022 +- 0.022  
 Triples: 0.000 +- 0.000  
 Scaler 1: 102.168 +- 0.207  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2400	5	7	6086	0	Pass
2	2418	5	8	6096	0	Pass
3	2447	4	9	6100	0	Pass
4	2520	6	5	6105	0	Pass
5	2421	1	7	6187	0	Pass
6	2467	13	6	6171	0	Pass
7	2472	6	10	6193	0	Pass
8	2523	6	5	6129	0	Pass
9	2468	6	11	6117	0	Pass
10	2442	8	5	6117	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	40.000	-0.033	0.000	0.000	Pass
2	40.300	-0.050	0.000	0.000	Pass
3	40.783	-0.083	0.000	0.000	Pass
4	42.000	0.017	0.000	0.000	Pass
5	40.350	-0.100	0.000	0.000	Pass
6	41.117	0.117	0.000	0.000	Pass
7	41.200	-0.067	0.000	0.000	Pass
8	42.050	0.017	0.000	0.000	Pass
9	41.133	-0.083	0.000	0.000	Pass
10	40.700	0.050	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 09:25:56  
 Results file name: 9B6J2556.VER  
 Inspection number:  
 Item id: PT2 201911  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 62.118 +- 0.249  
 Doubles: 0.022 +- 0.027  
 Triples: 0.000 +- 0.000  
 Scaler 1: 172.450 +- 0.744  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	3727	16	15	10263	0	Pass
2	3742	14	13	10356	0	Pass
3	3649	18	17	10661	0	Pass
4	3715	13	11	10314	0	Pass
5	3668	13	10	10218	0	Pass
6	3793	11	16	10273	0	Pass
7	3753	10	17	10499	0	Pass
8	3690	22	12	10329	0	Pass
9	3784	16	8	10185	0	Pass
10	3750	16	17	10372	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	62.117	0.017	0.000	0.000	Pass
2	62.367	0.017	0.000	0.000	Pass
3	60.817	0.017	0.000	0.000	Pass
4	61.917	0.033	0.000	0.000	Pass
5	61.133	0.050	0.000	0.000	Pass
6	63.217	-0.083	0.000	0.000	Pass
7	62.550	-0.117	0.000	0.000	Pass
8	61.500	0.167	0.000	0.000	Pass
9	63.067	0.133	0.000	0.000	Pass
10	62.500	-0.017	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 09:42:00  
 Results file name: 9B6J4200.VER  
 Inspection number:  
 Item id: PT3 201911  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 233.438 +- 0.488  
 Doubles: 0.025 +- 0.133  
 Triples: 0.000 +- 0.000  
 Scaler 1: 55.777 +- 0.257  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	13845	194	200	3338	0	Pass
2	14102	213	239	3324	0	Pass
3	13935	230	191	3345	0	Pass
4	14081	202	219	3345	0	Pass
5	14062	201	197	3346	0	Pass
6	13871	238	188	3294	0	Pass
7	14007	207	231	3329	0	Pass
8	14008	224	224	3475	0	Pass
9	14066	222	231	3357	0	Pass
10	14086	230	226	3313	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	230.750	-0.100	0.000	0.000	Pass
2	235.033	-0.433	0.000	0.000	Pass
3	232.250	0.650	0.000	0.000	Pass
4	234.683	-0.283	0.000	0.000	Pass
5	234.367	0.067	0.000	0.000	Pass
6	231.183	0.833	0.000	0.000	Pass
7	233.450	-0.400	0.000	0.000	Pass
8	233.467	0.000	0.000	0.000	Pass
9	234.433	-0.150	0.000	0.000	Pass
10	234.767	0.067	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 09:58:04  
 Results file name: 9B6J5804.VER  
 Inspection number:  
 Item id: PT4 201911  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 896.635 +- 1.090  
 Doubles: 3.632 +- 0.312  
 Triples: 0.000 +- 0.000  
 Scaler 1: 44.920 +- 0.392  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	53664	3268	3107	2639	0	Pass
2	54156	3372	3143	2617	0	Pass
3	53446	3142	3004	2657	0	Pass
4	53953	3261	3085	2739	0	Pass
5	53630	3315	3022	2808	0	Pass
6	53978	3306	3089	2734	0	Pass
7	53694	3332	3040	2637	0	Pass
8	53714	3171	3023	2690	0	Pass
9	53896	3290	3020	2619	0	Pass
10	53850	3313	3058	2812	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	894.400	2.683	0.000	0.000	Pass
2	902.600	3.817	0.000	0.000	Pass
3	890.767	2.300	0.000	0.000	Pass
4	899.217	2.933	0.000	0.000	Pass
5	893.833	4.883	0.000	0.000	Pass
6	899.633	3.617	0.000	0.000	Pass
7	894.900	4.867	0.000	0.000	Pass
8	895.233	2.467	0.000	0.000	Pass
9	898.267	4.500	0.000	0.000	Pass
10	897.500	4.250	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 10:14:08  
 Results file name: 9B6K1408.VER  
 Inspection number:  
 Item id: PT5 201911  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	2740.347 +-	1.452
Doubles:	30.292 +-	1.312
Triples:	0.000 +-	0.000
Scaler 1:	48.245 +-	0.208
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	164527	30660	28893	2915	0	Pass
2	164630	30868	28949	2872	0	Pass
3	164150	30758	28661	2806	0	Pass
4	163864	30136	28790	2942	0	Pass
5	164827	31038	29012	2897	0	Pass
6	164654	30820	28776	2933	0	Pass
7	164446	30517	28810	2890	0	Pass
8	164327	30367	28899	2868	0	Pass
9	164477	30882	28953	2921	0	Pass
10	164306	30528	28656	2903	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2742.117	29.450	0.000	0.000	Pass
2	2743.833	31.983	0.000	0.000	Pass
3	2735.833	34.950	0.000	0.000	Pass
4	2731.067	22.433	0.000	0.000	Pass
5	2747.117	33.767	0.000	0.000	Pass
6	2744.233	34.067	0.000	0.000	Pass
7	2740.767	28.450	0.000	0.000	Pass
8	2738.783	24.467	0.000	0.000	Pass
9	2741.283	32.150	0.000	0.000	Pass
10	2738.433	31.200	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 10:29:12  
 Results file name: 9B6K2912.VER  
 Inspection number:  
 Item id: PT6 201911  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	35.952 +-	0.274
Doubles:	0.008 +-	0.010
Triples:	0.000 +-	0.000
Scaler 1:	2359.100 +-	1.878
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2243	4	3	141619	0	Pass
2	2202	3	6	141746	0	Pass
3	2141	2	1	142069	0	Pass
4	2170	6	6	141431	0	Pass
5	2092	6	3	141354	0	Pass
6	2190	6	4	141871	0	Pass
7	2162	3	5	141571	0	Pass
8	2110	5	5	141526	0	Pass
9	2183	3	2	141544	0	Pass
10	2078	8	6	140729	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	37.383	0.017	0.000	0.000	Pass
2	36.700	-0.050	0.000	0.000	Pass
3	35.683	0.017	0.000	0.000	Pass
4	36.167	0.000	0.000	0.000	Pass
5	34.867	0.050	0.000	0.000	Pass
6	36.500	0.033	0.000	0.000	Pass
7	36.033	-0.033	0.000	0.000	Pass
8	35.167	0.000	0.000	0.000	Pass
9	36.383	0.017	0.000	0.000	Pass
10	34.633	0.033	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 10:46:17  
 Results file name: 9B6K4617.VER  
 Inspection number:  
 Item id: PT7 201911  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 32.388 +- 0.229  
 Doubles: 0.005 +- 0.020  
 Triples: 0.000 +- 0.000  
 Scaler 1: 807.965 +- 1.160  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	1973	4	6	48651	0	Pass
2	1894	3	2	48622	0	Pass
3	1922	11	2	48192	0	Pass
4	1978	7	5	48201	0	Pass
5	1882	7	6	48699	0	Pass
6	2024	7	7	48320	0	Pass
7	1940	4	8	48745	0	Pass
8	1965	4	7	48578	0	Pass
9	1948	3	6	48551	0	Pass
10	1907	5	3	48220	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	32.883	-0.033	0.000	0.000	Pass
2	31.567	0.017	0.000	0.000	Pass
3	32.033	0.150	0.000	0.000	Pass
4	32.967	0.033	0.000	0.000	Pass
5	31.367	0.017	0.000	0.000	Pass
6	33.733	0.000	0.000	0.000	Pass
7	32.333	-0.067	0.000	0.000	Pass
8	32.750	-0.050	0.000	0.000	Pass
9	32.467	-0.050	0.000	0.000	Pass
10	31.783	0.033	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 11:02:22  
 Results file name: 9B6L0222.VER  
 Inspection number:  
 Item id: PT8 201911  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 45.807 +- 0.176  
 Doubles: 0.028 +- 0.015  
 Triples: 0.000 +- 0.000  
 Scaler 1: 239.128 +- 0.560  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2719	8	7	14322	0	Pass
2	2708	7	9	14546	0	Pass
3	2764	7	7	14366	0	Pass
4	2786	8	6	14193	0	Pass
5	2738	6	8	14391	0	Pass
6	2716	9	9	14212	0	Pass
7	2815	8	3	14264	0	Pass
8	2736	9	6	14362	0	Pass
9	2744	10	3	14378	0	Pass
10	2758	13	10	14443	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	45.317	0.017	0.000	0.000	Pass
2	45.133	-0.033	0.000	0.000	Pass
3	46.067	0.000	0.000	0.000	Pass
4	46.433	0.033	0.000	0.000	Pass
5	45.633	-0.033	0.000	0.000	Pass
6	45.267	0.000	0.000	0.000	Pass
7	46.917	0.083	0.000	0.000	Pass
8	45.600	0.050	0.000	0.000	Pass
9	45.733	0.117	0.000	0.000	Pass
10	45.967	0.050	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 11:18:26  
 Results file name: 9B6L1826.VER  
 Inspection number:  
 Item id: PT9 201911  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	155.142 +-	0.520
Doubles:	0.128 +-	0.095
Triples:	0.000 +-	0.000
Scaler 1:	97.427 +-	0.402
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	9250	101	107	5878	0	Pass
2	9319	108	69	5690	0	Pass
3	9354	90	88	5900	0	Pass
4	9351	99	105	5844	0	Pass
5	9387	86	84	5777	0	Pass
6	9414	106	113	5890	0	Pass
7	9271	121	80	5807	0	Pass
8	9393	102	91	5924	0	Pass
9	9079	91	97	5937	0	Pass
10	9267	93	86	5809	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	154.167	-0.100	0.000	0.000	Pass
2	155.317	0.650	0.000	0.000	Pass
3	155.900	0.033	0.000	0.000	Pass
4	155.850	-0.100	0.000	0.000	Pass
5	156.450	0.033	0.000	0.000	Pass
6	156.900	-0.117	0.000	0.000	Pass
7	154.517	0.683	0.000	0.000	Pass
8	156.550	0.183	0.000	0.000	Pass
9	151.317	-0.100	0.000	0.000	Pass
10	154.450	0.117	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.06 13:14:57  
 Results file name: 9B6N1457.VER  
 Inspection number:  
 Item id: PT10 201911  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.11.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.11.06

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	92.990 +-	0.181
Doubles:	-0.013 +-	0.028
Triples:	0.000 +-	0.000
Scaler 1:	78.823 +-	0.446
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	5624	33	29	4697	0	Pass
2	5508	25	30	4732	0	Pass
3	5558	33	40	4630	0	Pass
4	5560	29	30	4697	0	Pass
5	5571	37	39	4702	0	Pass
6	5591	28	30	4606	0	Pass
7	5589	27	36	4796	0	Pass
8	5628	42	35	4852	0	Pass
9	5581	35	32	4860	0	Pass
10	5584	29	25	4722	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	93.733	0.067	0.000	0.000	Pass
2	91.800	-0.083	0.000	0.000	Pass
3	92.633	-0.117	0.000	0.000	Pass
4	92.667	-0.017	0.000	0.000	Pass
5	92.850	-0.033	0.000	0.000	Pass
6	93.183	-0.033	0.000	0.000	Pass
7	93.150	-0.150	0.000	0.000	Pass
8	93.800	0.117	0.000	0.000	Pass
9	93.017	0.050	0.000	0.000	Pass
10	93.067	0.067	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 09:18:23  
 Results file name: 9C6J1823.VER  
 Inspection number:  
 Item id: BB01 201912  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 40.705 +- 0.281  
 Doubles: -0.000 +- 0.019  
 Triples: 0.000 +- 0.000  
 Scaler 1: 99.727 +- 0.393  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2525	6	9	5991	0	Pass
2	2393	10	6	5917	0	Pass
3	2423	3	6	5992	0	Pass
4	2417	6	7	6038	0	Pass
5	2553	7	14	6120	0	Pass
6	2436	4	3	5917	0	Pass
7	2442	9	8	5995	0	Pass
8	2401	9	6	5857	0	Pass
9	2413	10	6	6039	0	Pass
10	2420	6	5	5970	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	42.083	-0.050	0.000	0.000	Pass
2	39.883	0.067	0.000	0.000	Pass
3	40.383	-0.050	0.000	0.000	Pass
4	40.283	-0.017	0.000	0.000	Pass
5	42.550	-0.117	0.000	0.000	Pass
6	40.600	0.017	0.000	0.000	Pass
7	40.700	0.017	0.000	0.000	Pass
8	40.017	0.050	0.000	0.000	Pass
9	40.217	0.067	0.000	0.000	Pass
10	40.333	0.017	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 09:34:27  
 Results file name: 9C6J3427.VER  
 Inspection number:  
 Item id: BB02 201912  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 61.160 +- 0.291  
 Doubles: 0.052 +- 0.029  
 Triples: 0.000 +- 0.000  
 Scaler 1: 169.073 +- 0.351  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	3721	13	10	10051	0	Pass
2	3624	19	12	10254	0	Pass
3	3670	17	15	10039	0	Pass
4	3682	12	9	10155	0	Pass
5	3712	18	7	10206	0	Pass
6	3542	7	16	10168	0	Pass
7	3641	17	12	10177	0	Pass
8	3721	19	11	10096	0	Pass
9	3697	22	19	10159	0	Pass
10	3686	15	17	10139	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	62.017	0.050	0.000	0.000	Pass
2	60.400	0.117	0.000	0.000	Pass
3	61.167	0.033	0.000	0.000	Pass
4	61.367	0.050	0.000	0.000	Pass
5	61.867	0.183	0.000	0.000	Pass
6	59.033	-0.150	0.000	0.000	Pass
7	60.683	0.083	0.000	0.000	Pass
8	62.017	0.133	0.000	0.000	Pass
9	61.617	0.050	0.000	0.000	Pass
10	61.433	-0.033	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 09:51:32  
 Results file name: 9C6J5132.VER  
 Inspection number:  
 Item id: BB03 201912  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 228.197 +- 0.701  
 Doubles: 0.163 +- 0.088  
 Triples: 0.000 +- 0.000  
 Scaler 1: 53.533 +- 0.270  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	13716	223	194	3203	0	Pass
2	13695	233	205	3212	0	Pass
3	13642	193	190	3306	0	Pass
4	13568	237	205	3214	0	Pass
5	13728	216	220	3120	0	Pass
6	13589	212	190	3238	0	Pass
7	13959	221	235	3185	0	Pass
8	13867	217	219	3160	0	Pass
9	13561	186	176	3255	0	Pass
10	13593	202	208	3227	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	228.600	0.483	0.000	0.000	Pass
2	228.250	0.467	0.000	0.000	Pass
3	227.367	0.050	0.000	0.000	Pass
4	226.133	0.533	0.000	0.000	Pass
5	228.800	-0.067	0.000	0.000	Pass
6	226.483	0.367	0.000	0.000	Pass
7	232.650	-0.233	0.000	0.000	Pass
8	231.117	-0.033	0.000	0.000	Pass
9	226.017	0.167	0.000	0.000	Pass
10	226.550	-0.100	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 10:07:37  
 Results file name: 9C6K0737.VER  
 Inspection number:  
 Item id: BB04 201912  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000

(1)

Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Passive results

Singles: 879.990 +- 0.617  
 Doubles: 3.337 +- 0.286  
 Triples: 0.000 +- 0.000  
 Scaler 1: 43.558 +- 0.214  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	52648	3143	2958	2594	0	Pass
2	52952	3115	2977	2680	0	Pass
3	52698	3214	2955	2641	0	Pass
4	52929	3287	2965	2655	0	Pass
5	52835	3168	2977	2633	0	Pass
6	52817	3085	2962	2634	0	Pass
7	52706	3165	2925	2563	0	Pass
8	52832	3139	2969	2590	0	Pass
9	52927	3081	2889	2561	0	Pass
10	52650	3138	2936	2584	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	877.467	3.083	0.000	0.000	Pass
2	882.533	2.300	0.000	0.000	Pass
3	878.300	4.317	0.000	0.000	Pass
4	882.150	5.033	0.000	0.000	Pass
5	880.583	3.183	0.000	0.000	Pass
6	880.283	2.050	0.000	0.000	Pass
7	878.433	4.000	0.000	0.000	Pass
8	880.533	2.833	0.000	0.000	Pass
9	882.117	3.200	0.000	0.000	Pass
10	877.500	3.367	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 10:22:41  
 Results file name: 9C6K2241.VER  
 Inspection number:  
 Item id: BB05 201912  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	2686.973 +-	2.254
Doubles:	27.848 +-	1.482
Triples:	0.000 +-	0.000
Scaler 1:	47.592 +-	0.244
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	161799	29724	28361	2799	0	Pass
2	161335	29750	27675	2851	0	Pass
3	161688	29711	28003	2840	0	Pass
4	160883	29269	27477	2922	0	Pass
5	161428	29246	27986	2909	0	Pass
6	161357	29656	27808	2870	0	Pass
7	161479	29383	27747	2897	0	Pass
8	160518	29516	27452	2834	0	Pass
9	161031	29338	27785	2777	0	Pass
10	160666	29240	27830	2856	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2696.650	22.717	0.000	0.000	Pass
2	2688.917	34.583	0.000	0.000	Pass
3	2694.800	28.467	0.000	0.000	Pass
4	2681.383	29.867	0.000	0.000	Pass
5	2690.467	21.000	0.000	0.000	Pass
6	2689.283	30.800	0.000	0.000	Pass
7	2691.317	27.267	0.000	0.000	Pass
8	2675.300	34.400	0.000	0.000	Pass
9	2683.850	25.883	0.000	0.000	Pass
10	2677.767	23.500	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 10:37:45  
 Results file name: 9C6K3745.VER  
 Inspection number:  
 Item id: BB06 201912  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	34.483 +-	0.245
Doubles:	-0.048 +-	0.017
Triples:	0.000 +-	0.000
Scaler 1:	2310.158 +-	1.381
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2183	3	2	138360	0	Pass
2	2097	4	8	138532	0	Pass
3	2043	2	10	138549	0	Pass
4	2083	4	7	138857	0	Pass
5	2061	2	6	138869	0	Pass
6	2056	2	5	138674	0	Pass
7	2059	5	7	138919	0	Pass
8	2008	3	9	138830	0	Pass
9	2052	1	4	138170	0	Pass
10	2048	7	4	138335	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	36.383	0.017	0.000	0.000	Pass
2	34.950	-0.067	0.000	0.000	Pass
3	34.050	-0.133	0.000	0.000	Pass
4	34.717	-0.050	0.000	0.000	Pass
5	34.350	-0.067	0.000	0.000	Pass
6	34.267	-0.050	0.000	0.000	Pass
7	34.317	-0.033	0.000	0.000	Pass
8	33.467	-0.100	0.000	0.000	Pass
9	34.200	-0.050	0.000	0.000	Pass
10	34.133	0.050	0.000	0.000	Pass

(2)



INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 10:58:51  
 Results file name: 9C6K5851.VER  
 Inspection number:  
 Item id: BB07 201912  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 30.973 +- 0.124  
 Doubles: -0.003 +- 0.011  
 Triples: 0.000 +- 0.000  
 Scaler 1: 791.212 +- 0.834  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	1852	2	2	47589	0	Pass
2	1841	3	2	47350	0	Pass
3	1894	3	4	47490	0	Pass
4	1815	7	3	47505	0	Pass
5	1853	5	3	47421	0	Pass
6	1866	4	6	47150	0	Pass
7	1843	0	2	47703	0	Pass
8	1891	3	3	47457	0	Pass
9	1862	3	5	47650	0	Pass
10	1867	6	8	47412	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	30.867	0.000	0.000	0.000	Pass
2	30.683	0.017	0.000	0.000	Pass
3	31.567	-0.017	0.000	0.000	Pass
4	30.250	0.067	0.000	0.000	Pass
5	30.883	0.033	0.000	0.000	Pass
6	31.100	-0.033	0.000	0.000	Pass
7	30.717	-0.033	0.000	0.000	Pass
8	31.517	0.000	0.000	0.000	Pass
9	31.033	-0.033	0.000	0.000	Pass
10	31.117	-0.033	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 13:21:29  
 Results file name: 9C6N2129.VER  
 Inspection number:  
 Item id: BB08 201912  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 45.387 +- 0.323  
 Doubles: 0.003 +- 0.019  
 Triples: 0.000 +- 0.000  
 Scaler 1: 233.412 +- 0.316  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2713	8	10	13913	0	Pass
2	2777	11	10	13985	0	Pass
3	2765	8	11	13979	0	Pass
4	2627	6	10	14034	0	Pass
5	2692	10	4	14117	0	Pass
6	2696	4	7	14071	0	Pass
7	2706	7	4	13987	0	Pass
8	2816	8	10	14024	0	Pass
9	2652	7	6	13997	0	Pass
10	2788	10	5	13940	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	45.217	-0.033	0.000	0.000	Pass
2	46.283	0.017	0.000	0.000	Pass
3	46.083	-0.050	0.000	0.000	Pass
4	43.783	-0.067	0.000	0.000	Pass
5	44.867	0.100	0.000	0.000	Pass
6	44.933	-0.050	0.000	0.000	Pass
7	45.100	0.050	0.000	0.000	Pass
8	46.933	-0.033	0.000	0.000	Pass
9	44.200	0.017	0.000	0.000	Pass
10	46.467	0.083	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 13:37:34  
 Results file name: 9C6N3734.VER  
 Inspection number:  
 Item id: BB09 201912  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 151.265 +- 0.503  
 Doubles: 0.178 +- 0.051  
 Triples: 0.000 +- 0.000  
 Scaler 1: 95.353 +- 0.426  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	9030	92	81	5666	0	Pass
2	9119	93	83	5845	0	Pass
3	9224	89	81	5754	0	Pass
4	9070	91	87	5772	0	Pass
5	8992	98	67	5611	0	Pass
6	9113	97	95	5735	0	Pass
7	9144	106	84	5647	0	Pass
8	8935	82	72	5651	0	Pass
9	8959	99	87	5836	0	Pass
10	9173	93	96	5695	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	150.500	0.183	0.000	0.000	Pass
2	151.983	0.167	0.000	0.000	Pass
3	153.733	0.133	0.000	0.000	Pass
4	151.167	0.067	0.000	0.000	Pass
5	149.867	0.517	0.000	0.000	Pass
6	151.883	0.033	0.000	0.000	Pass
7	152.400	0.367	0.000	0.000	Pass
8	148.917	0.167	0.000	0.000	Pass
9	149.317	0.200	0.000	0.000	Pass
10	152.883	-0.050	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 13:52:38  
 Results file name: 9C6N5238.VER  
 Inspection number:  
 Item id: BB10 201912  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 91.272 +- 0.448  
 Doubles: 0.020 +- 0.042  
 Triples: 0.000 +- 0.000  
 Scaler 1: 77.758 +- 0.265  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	5495	33	28	4573	0	Pass
2	5500	35	44	4728	0	Pass
3	5529	43	37	4680	0	Pass
4	5382	35	34	4667	0	Pass
5	5536	28	33	4735	0	Pass
6	5357	23	32	4663	0	Pass
7	5647	37	29	4705	0	Pass
8	5449	47	31	4642	0	Pass
9	5409	33	35	4611	0	Pass
10	5459	34	33	4651	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	91.583	0.083	0.000	0.000	Pass
2	91.667	-0.150	0.000	0.000	Pass
3	92.150	0.100	0.000	0.000	Pass
4	89.700	0.017	0.000	0.000	Pass
5	92.267	-0.083	0.000	0.000	Pass
6	89.283	-0.150	0.000	0.000	Pass
7	94.117	0.133	0.000	0.000	Pass
8	90.817	0.267	0.000	0.000	Pass
9	90.150	-0.033	0.000	0.000	Pass
10	90.983	0.017	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX
Material balance area: XXXX
Detector type: JSR\_01
Detector id: JSR\_01
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 19.12.06 09:18:23
Results file name: 906J1823.VER
Inspection number:
Item id: BC01 201912
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: 00
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 19.12.06
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 19.12.06

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.1970
Multiplicity deadtime: 160.0000
Coefficient A deadtime: 0.6419
Coefficient B deadtime: 0.1030
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1338.102 +- 1.247
Doubles: 8.254 +- 0.918
Triples: 0.000 +- 0.000
Scaler 1: 2573.327 +- 2.084
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Passive cycle rate data

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-10 showing cycle rate data.

(2)

INCC 5.1.2

Facility: JMOX
Material balance area: XXXX
Detector type: JSR\_01
Detector id: JSR\_01
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 19.12.06 09:34:27
Results file name: 906J3427.VER
Inspection number:
Item id: BC02 201912
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: 00
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 19.12.06
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 19.12.06

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.1970
Multiplicity deadtime: 160.0000
Coefficient A deadtime: 0.6419
Coefficient B deadtime: 0.1030
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 3554.787 +- 2.207
Doubles: 57.895 +- 1.994
Triples: 0.000 +- 0.000
Scaler 1: 633.500 +- 0.699
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Passive cycle rate data

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-10 showing cycle rate data.

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 09:51:32  
 Results file name: 9C6J5132.VER  
 Inspection number:  
 Item id: BC03 201912  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 49385.419 +- 11.311  
 Doubles: 10637.141 +- 19.970  
 Triples: 0.000 +- 0.000  
 Scaler 1: 157.322 +- 0.519  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2939434	9833075	9215041	9343	0	Pass
2	2941458	9847975	9230648	9458	0	Pass
3	2938627	9832662	9211866	9422	0	Pass
4	2938660	9832414	9208811	9629	0	Pass
5	2937703	9824716	9206935	9391	0	Pass
6	2940302	9844369	9222094	9417	0	Pass
7	2942894	9858596	9237961	9350	0	Pass
8	2943068	9855578	9238261	9578	0	Pass
9	2937895	9819388	9207060	9468	0	Pass
10	2937329	9816389	9203331	9337	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	49380.288	10632.264	0.000	0.000	Pass
2	49414.562	10620.335	0.000	0.000	Pass
3	49366.623	10679.686	0.000	0.000	Pass
4	49367.182	10727.979	0.000	0.000	Pass
5	49350.977	10627.712	0.000	0.000	Pass
6	49394.987	10705.325	0.000	0.000	Pass
7	49438.879	10677.412	0.000	0.000	Pass
8	49441.825	10620.349	0.000	0.000	Pass
9	49354.228	10533.926	0.000	0.000	Pass
10	49344.644	10546.419	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 10:07:36  
 Results file name: 9C6K0736.VER  
 Inspection number:  
 Item id: BC04 201912  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 6351.496 +- 2.269  
 Doubles: 177.532 +- 2.310  
 Triples: 0.000 +- 0.000  
 Scaler 1: 53.958 +- 0.337  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	380619	165384	154743	3183	0	Pass
2	380692	165076	154038	3204	0	Pass
3	380657	164392	154163	3354	0	Pass
4	381101	165331	154711	3272	0	Pass
5	380607	164891	154313	3242	0	Pass
6	381412	165606	155050	3197	0	Pass
7	380899	164717	154493	3274	0	Pass
8	380431	165404	154786	3122	0	Pass
9	380819	165673	154118	3250	0	Pass
10	379778	164147	154120	3277	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6350.118	178.074	0.000	0.000	Pass
2	6351.337	184.718	0.000	0.000	Pass
3	6350.752	171.180	0.000	0.000	Pass
4	6358.167	177.724	0.000	0.000	Pass
5	6349.917	177.020	0.000	0.000	Pass
6	6363.361	176.653	0.000	0.000	Pass
7	6354.794	171.097	0.000	0.000	Pass
8	6346.978	177.689	0.000	0.000	Pass
9	6353.458	193.370	0.000	0.000	Pass
10	6336.072	167.798	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: XXXX  
Detector type: JSR\_01  
Detector id: JSR\_01  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.12.06 10:22:40  
Results file name: 9C6K2240.VER  
Inspection number:  
Item id: BC05 201912  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.12.06  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.12.06

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1970  
Multiplicity deadtime: 160.0000  
Coefficient A deadtime: 0.6419  
Coefficient B deadtime: 0.1030  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.000  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 2634.360 +- 2.342  
Doubles: 30.380 +- 1.094  
Triples: 0.000 +- 0.000  
Scaler 1: 47.428 +- 0.287  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	158925	28600	26833	2858	0	Pass
2	157748	28304	26493	2730	0	Pass
3	157715	28315	26515	2901	0	Pass
4	157463	28098	26343	2914	0	Pass
5	157703	28263	26437	2844	0	Pass
6	158204	28492	26757	2783	0	Pass
7	158190	28352	26632	2871	0	Pass
8	158421	28190	26709	2874	0	Pass
9	157954	28755	26486	2841	0	Pass
10	157625	28453	26420	2841	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2649.877	29.500	0.000	0.000	Pass
2	2630.243	30.234	0.000	0.000	Pass
3	2629.693	30.051	0.000	0.000	Pass
4	2625.489	29.299	0.000	0.000	Pass
5	2629.493	30.485	0.000	0.000	Pass
6	2637.850	28.966	0.000	0.000	Pass
7	2637.616	28.715	0.000	0.000	Pass
8	2641.469	24.725	0.000	0.000	Pass
9	2633.680	37.881	0.000	0.000	Pass
10	2628.192	33.941	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: XXXX  
Detector type: JSR\_01  
Detector id: JSR\_01  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.12.06 10:37:44  
Results file name: 9C6K3744.VER  
Inspection number:  
Item id: BC06 201912  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.12.06  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.12.06

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1970  
Multiplicity deadtime: 160.0000  
Coefficient A deadtime: 0.6419  
Coefficient B deadtime: 0.1030  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.000  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 833.205 +- 0.944  
Doubles: 2.191 +- 0.365  
Triples: 0.000 +- 0.000  
Scaler 1: 67.093 +- 0.360  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	50181	2821	2785	4126	0	Pass
2	49958	2850	2661	4109	0	Pass
3	49553	2733	2567	4057	0	Pass
4	50015	2820	2675	3921	0	Pass
5	49905	2759	2639	4018	0	Pass
6	50127	2866	2806	3961	0	Pass
7	50131	2835	2727	3938	0	Pass
8	50038	2911	2633	4055	0	Pass
9	50048	2810	2724	4031	0	Pass
10	49900	2820	2694	4040	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	836.462	0.600	0.000	0.000	Pass
2	832.745	3.152	0.000	0.000	Pass
3	825.993	2.768	0.000	0.000	Pass
4	833.695	2.418	0.000	0.000	Pass
5	831.861	2.001	0.000	0.000	Pass
6	835.562	1.001	0.000	0.000	Pass
7	835.629	1.801	0.000	0.000	Pass
8	834.078	4.636	0.000	0.000	Pass
9	834.245	1.434	0.000	0.000	Pass
10	831.778	2.101	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: XXXX  
Detector type: JSR\_01  
Detector id: JSR\_01  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.12.06 10:58:50  
Results file name: 9C6K5850.VER  
Inspection number:  
Item id: BC07 201912  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.12.06  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.12.06

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1970  
Multiplicity deadtime: 160.0000  
Coefficient A deadtime: 0.6419  
Coefficient B deadtime: 0.1030  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.000  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1024.352 +- 1.145  
Doubles: 4.500 +- 0.497  
Triples: 0.000 +- 0.000  
Scaler 1: 109.450 +- 0.400  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	61030	4272	4116	6659	0	Pass
2	61633	4372	4083	6600	0	Pass
3	61725	4287	4087	6525	0	Pass
4	61715	4348	4044	6477	0	Pass
5	61471	4333	3902	6718	0	Pass
6	61432	4157	3968	6559	0	Pass
7	61355	4243	4050	6575	0	Pass
8	61209	4224	3999	6538	0	Pass
9	61465	4337	4034	6478	0	Pass
10	61475	4468	4060	6541	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1017.333	2.602	0.000	0.000	Pass
2	1027.386	4.820	0.000	0.000	Pass
3	1028.920	3.336	0.000	0.000	Pass
4	1028.753	5.070	0.000	0.000	Pass
5	1024.685	7.188	0.000	0.000	Pass
6	1024.035	3.152	0.000	0.000	Pass
7	1022.751	3.219	0.000	0.000	Pass
8	1020.317	3.752	0.000	0.000	Pass
9	1024.585	5.053	0.000	0.000	Pass
10	1024.752	6.804	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: XXXX  
Detector type: JSR\_01  
Detector id: JSR\_01  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.12.06 13:21:29  
Results file name: 9C6N2129.VER  
Inspection number:  
Item id: BC08 201912  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.12.06  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.12.06

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1970  
Multiplicity deadtime: 160.0000  
Coefficient A deadtime: 0.6419  
Coefficient B deadtime: 0.1030  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.000  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 590.233 +- 0.719  
Doubles: 1.474 +- 0.346  
Triples: 0.000 +- 0.000  
Scaler 1: 43.305 +- 0.217  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	35441	1431	1351	2597	0	Pass
2	35337	1403	1343	2557	0	Pass
3	35384	1418	1329	2625	0	Pass
4	35475	1390	1331	2649	0	Pass
5	35380	1365	1362	2589	0	Pass
6	35482	1456	1416	2563	0	Pass
7	35698	1418	1321	2626	0	Pass
8	35174	1371	1310	2663	0	Pass
9	35431	1519	1284	2541	0	Pass
10	35304	1453	1293	2573	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	590.739	1.334	0.000	0.000	Pass
2	589.006	1.000	0.000	0.000	Pass
3	589.789	1.484	0.000	0.000	Pass
4	591.306	0.984	0.000	0.000	Pass
5	589.722	0.050	0.000	0.000	Pass
6	591.423	0.667	0.000	0.000	Pass
7	595.023	1.617	0.000	0.000	Pass
8	586.288	1.017	0.000	0.000	Pass
9	590.573	3.918	0.000	0.000	Pass
10	588.456	2.668	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: XXXX  
Detector type: JSR\_01  
Detector id: JSR\_01  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.12.06 13:37:33  
Results file name: 9C6N3733.VER  
Inspection number:  
Item id: BC09 201912  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.12.06  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.12.06

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1970  
Multiplicity deadtime: 160.0000  
Coefficient A deadtime: 0.6419  
Coefficient B deadtime: 0.1030  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.000  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1139.212 +- 1.434  
Doubles: 5.514 +- 0.467  
Triples: 0.000 +- 0.000  
Scaler 1: 30.043 +- 0.211  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	68338	5283	5046	1833	0	Pass
2	68599	5234	5024	1813	0	Pass
3	68545	5375	4945	1762	0	Pass
4	67850	5128	4889	1845	0	Pass
5	68322	5284	4917	1739	0	Pass
6	68491	5293	4971	1786	0	Pass
7	68408	5171	4901	1785	0	Pass
8	68529	5372	5010	1816	0	Pass
9	68467	5345	4937	1870	0	Pass
10	67853	5356	4895	1777	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1139.175	3.953	0.000	0.000	Pass
2	1143.526	3.503	0.000	0.000	Pass
3	1142.626	7.172	0.000	0.000	Pass
4	1131.039	3.986	0.000	0.000	Pass
5	1138.908	6.121	0.000	0.000	Pass
6	1141.726	5.371	0.000	0.000	Pass
7	1140.342	4.503	0.000	0.000	Pass
8	1142.359	6.038	0.000	0.000	Pass
9	1141.326	6.805	0.000	0.000	Pass
10	1131.089	7.689	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: XXXX  
Detector type: JSR\_01  
Detector id: JSR\_01  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.12.06 13:52:37  
Results file name: 9C6N5237.VER  
Inspection number:  
Item id: BC10 201912  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.12.06  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.12.06

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1970  
Multiplicity deadtime: 160.0000  
Coefficient A deadtime: 0.6419  
Coefficient B deadtime: 0.1030  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.000  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1116.552 +- 1.782  
Doubles: 4.807 +- 0.622  
Triples: 0.000 +- 0.000  
Scaler 1: 33.668 +- 0.281  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	66865	4891	4792	1939	0	Pass
2	66954	5106	4668	2037	0	Pass
3	66882	5092	4705	2082	0	Pass
4	67774	5176	5046	1970	0	Pass
5	66808	5141	4792	2092	0	Pass
6	66748	5049	4832	2057	0	Pass
7	67080	5037	4747	1963	0	Pass
8	66992	5106	4811	1984	0	Pass
9	67207	5135	4892	2055	0	Pass
10	66501	5115	4681	2022	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1114.616	1.651	0.000	0.000	Pass
2	1116.100	7.305	0.000	0.000	Pass
3	1114.899	6.455	0.000	0.000	Pass
4	1129.771	2.168	0.000	0.000	Pass
5	1113.666	5.821	0.000	0.000	Pass
6	1112.665	3.619	0.000	0.000	Pass
7	1118.201	4.837	0.000	0.000	Pass
8	1116.733	4.920	0.000	0.000	Pass
9	1120.318	4.053	0.000	0.000	Pass
10	1108.547	7.238	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: XXXX  
Detector type: JSR\_01  
Detector id: JSR\_01  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.12.06 09:18:23  
Results file name: 906J1823.VER  
Inspection number:  
Item id: BT01 201912  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: 00  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.12.06  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.12.06

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.0080  
Multiplicity deadtime: 0.0000  
Coefficient A deadtime: 0.0000  
Coefficient B deadtime: 0.0000  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.000  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1337.815 +- 1.246  
Doubles: 8.247 +- 0.917  
Triples: 0.000 +- 0.000  
Scaler 1: 2573.327 +- 2.084  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	79924	7149	6854	154780	0	Pass
2	79948	7382	6653	154527	0	Pass
3	80408	7256	6863	154331	0	Pass
4	80466	7270	6748	154791	0	Pass
5	80637	7361	7047	154823	0	Pass
6	80397	7454	6952	154736	0	Pass
7	80280	7461	6748	154237	0	Pass
8	80284	7466	6739	154168	0	Pass
9	80011	7252	6923	153816	0	Pass
10	80334	7370	6946	153787	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1332.067	4.917	0.000	0.000	Pass
2	1332.467	12.150	0.000	0.000	Pass
3	1340.133	6.550	0.000	0.000	Pass
4	1341.100	8.700	0.000	0.000	Pass
5	1343.950	5.233	0.000	0.000	Pass
6	1339.950	8.367	0.000	0.000	Pass
7	1338.000	11.883	0.000	0.000	Pass
8	1338.067	12.117	0.000	0.000	Pass
9	1333.517	5.483	0.000	0.000	Pass
10	1338.900	7.067	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: XXXX  
Detector type: JSR\_01  
Detector id: JSR\_01  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 19.12.06 09:34:27  
Results file name: 906J3427.VER  
Inspection number:  
Item id: BT02 201912  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: 00  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 19.12.06  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 19.12.06

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.0080  
Multiplicity deadtime: 0.0000  
Coefficient A deadtime: 0.0000  
Coefficient B deadtime: 0.0000  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.000  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 3552.760 +- 2.204  
Doubles: 57.763 +- 1.990  
Triples: 0.000 +- 0.000  
Scaler 1: 633.500 +- 0.699  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	213403	51875	48719	37825	0	Pass
2	213513	52357	48533	38035	0	Pass
3	213194	52022	48066	37995	0	Pass
4	213162	51495	48414	37899	0	Pass
5	212537	51584	47813	38252	0	Pass
6	212699	51554	48349	38034	0	Pass
7	213749	52031	49226	38077	0	Pass
8	212724	51538	47891	37914	0	Pass
9	213645	52099	48499	38170	0	Pass
10	213030	52045	48432	37899	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3556.717	52.600	0.000	0.000	Pass
2	3558.550	63.733	0.000	0.000	Pass
3	3553.233	65.933	0.000	0.000	Pass
4	3552.700	51.350	0.000	0.000	Pass
5	3542.283	62.850	0.000	0.000	Pass
6	3544.983	53.417	0.000	0.000	Pass
7	3562.483	46.750	0.000	0.000	Pass
8	3545.400	60.783	0.000	0.000	Pass
9	3560.750	60.000	0.000	0.000	Pass
10	3550.500	60.217	0.000	0.000	Pass

(2)



INCC 5.1.2

```

Facility: JMOX
Material balance area: XXXX
Detector type: JSR_01
Detector id: JSR_01
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 19.12.06 09:51:32
Results file name: 9C6J5132.VER
Inspection number:
Item id: BT03 201912
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: CO
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 19.12.06
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 19.12.06

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.0080
Multiplicity deadtime: 0.0000
Coefficient A deadtime: 0.0000
Coefficient B deadtime: 0.0000
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
    
```

(1)

```

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000
    
```

```

Number passive cycles: 10
Count time (sec): 60
    
```

Passive error messages

No known alpha calibration

Results

```

Singles: 48995.617 +- 11.133
Doubles: 10305.257 +- 19.325
Triples: 0.000 +- 0.000
Scaler 1: 157.322 +- 0.519
Scaler 2: 0.000 +- 0.000
    
```

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2939434	9833075	9215041	9343	0	Pass
2	2941458	9847975	9230648	9458	0	Pass
3	2938627	9832662	9211866	9422	0	Pass
4	2938660	9832414	9208811	9629	0	Pass
5	2937703	9824716	9206935	9391	0	Pass
6	2940302	9844369	9222094	9417	0	Pass
7	2942894	9858596	9237961	9350	0	Pass
8	2943068	9855578	9238261	9578	0	Pass
9	2937895	9819388	9207060	9468	0	Pass
10	2937329	9816389	9203331	9337	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	48990.567	10300.567	0.000	0.000	Pass
2	49024.300	10288.783	0.000	0.000	Pass
3	48977.117	10346.600	0.000	0.000	Pass
4	48977.667	10393.383	0.000	0.000	Pass
5	48961.717	10296.350	0.000	0.000	Pass
6	49005.033	10371.250	0.000	0.000	Pass
7	49048.233	10343.917	0.000	0.000	Pass
8	49051.133	10288.617	0.000	0.000	Pass
9	48964.917	10205.467	0.000	0.000	Pass
10	48955.483	10217.633	0.000	0.000	Pass

(2)

INCC 5.1.2

```

Facility: JMOX
Material balance area: XXXX
Detector type: JSR_01
Detector id: JSR_01
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 19.12.06 10:07:36
Results file name: 9C6K0736.VER
Inspection number:
Item id: BT04 201912
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: CO
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 19.12.06
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 19.12.06

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.0080
Multiplicity deadtime: 0.0000
Coefficient A deadtime: 0.0000
Coefficient B deadtime: 0.0000
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
    
```

(1)

```

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000
    
```

```

Number passive cycles: 10
Count time (sec): 60
    
```

Passive error messages

No known alpha calibration

Results

```

Singles: 6345.025 +- 2.264
Doubles: 176.810 +- 2.301
Triples: 0.000 +- 0.000
Scaler 1: 53.958 +- 0.337
Scaler 2: 0.000 +- 0.000
    
```

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	380619	165384	154743	3183	0	Pass
2	380692	165076	154038	3204	0	Pass
3	380657	164392	154163	3354	0	Pass
4	381101	165331	154711	3272	0	Pass
5	380607	164891	154313	3242	0	Pass
6	381412	165606	155050	3197	0	Pass
7	380899	164717	154493	3274	0	Pass
8	380431	165404	154786	3122	0	Pass
9	380819	165673	154118	3250	0	Pass
10	379778	164147	154120	3277	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6343.650	177.350	0.000	0.000	Pass
2	6344.867	183.967	0.000	0.000	Pass
3	6344.283	170.483	0.000	0.000	Pass
4	6351.683	177.000	0.000	0.000	Pass
5	6343.450	176.300	0.000	0.000	Pass
6	6356.867	175.933	0.000	0.000	Pass
7	6348.317	170.400	0.000	0.000	Pass
8	6340.517	176.967	0.000	0.000	Pass
9	6346.983	192.583	0.000	0.000	Pass
10	6329.633	167.117	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 10:22:40  
 Results file name: 9C6K2240.VER  
 Inspection number:  
 Item id: BT05 201912  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	2633.247 +-	2.340
Doubles:	30.328 +-	1.092
Triples:	0.000 +-	0.000
Scaler 1:	47.428 +-	0.287
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	158925	28600	26833	2858	0	Pass
2	157748	28304	26493	2730	0	Pass
3	157715	28315	26515	2901	0	Pass
4	157463	28098	26343	2914	0	Pass
5	157703	28263	26437	2844	0	Pass
6	158204	28492	26757	2783	0	Pass
7	158190	28352	26632	2871	0	Pass
8	158421	28190	26709	2874	0	Pass
9	157954	28755	26486	2841	0	Pass
10	157625	28453	26420	2841	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2648.750	29.450	0.000	0.000	Pass
2	2629.133	30.183	0.000	0.000	Pass
3	2628.583	30.000	0.000	0.000	Pass
4	2624.383	29.250	0.000	0.000	Pass
5	2628.383	30.433	0.000	0.000	Pass
6	2636.733	28.917	0.000	0.000	Pass
7	2636.500	28.667	0.000	0.000	Pass
8	2640.350	24.683	0.000	0.000	Pass
9	2632.567	37.817	0.000	0.000	Pass
10	2627.083	33.883	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 10:37:44  
 Results file name: 9C6K3744.VER  
 Inspection number:  
 Item id: BT06 201912  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	833.093 +-	0.944
Doubles:	2.190 +-	0.365
Triples:	0.000 +-	0.000
Scaler 1:	67.093 +-	0.360
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	50181	2821	2785	4126	0	Pass
2	49958	2850	2661	4109	0	Pass
3	49553	2733	2567	4057	0	Pass
4	50015	2820	2675	3921	0	Pass
5	49905	2759	2639	4018	0	Pass
6	50127	2866	2806	3961	0	Pass
7	50131	2835	2727	3938	0	Pass
8	50038	2911	2633	4055	0	Pass
9	50048	2810	2724	4031	0	Pass
10	49900	2820	2694	4040	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	836.350	0.600	0.000	0.000	Pass
2	832.633	3.150	0.000	0.000	Pass
3	825.883	2.767	0.000	0.000	Pass
4	833.583	2.417	0.000	0.000	Pass
5	831.750	2.000	0.000	0.000	Pass
6	835.450	1.000	0.000	0.000	Pass
7	835.517	1.800	0.000	0.000	Pass
8	833.967	4.633	0.000	0.000	Pass
9	834.133	1.433	0.000	0.000	Pass
10	831.667	2.100	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 10:58:50  
 Results file name: 9C6K5850.VER  
 Inspection number:  
 Item id: BT07 201912  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1024.183 +- 1.145  
 Doubles: 4.497 +- 0.497  
 Triples: 0.000 +- 0.000  
 Scaler 1: 109.450 +- 0.400  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	61030	4272	4116	6659	0	Pass
2	61633	4372	4083	6600	0	Pass
3	61725	4287	4087	6525	0	Pass
4	61715	4348	4044	6477	0	Pass
5	61471	4333	3902	6718	0	Pass
6	61432	4157	3968	6559	0	Pass
7	61355	4243	4050	6575	0	Pass
8	61209	4224	3999	6538	0	Pass
9	61465	4337	4034	6478	0	Pass
10	61475	4468	4060	6541	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1017.167	2.600	0.000	0.000	Pass
2	1027.217	4.817	0.000	0.000	Pass
3	1028.750	3.333	0.000	0.000	Pass
4	1028.583	5.067	0.000	0.000	Pass
5	1024.517	7.183	0.000	0.000	Pass
6	1023.867	3.150	0.000	0.000	Pass
7	1022.583	3.217	0.000	0.000	Pass
8	1020.150	3.750	0.000	0.000	Pass
9	1024.417	5.050	0.000	0.000	Pass
10	1024.583	6.800	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 13:21:29  
 Results file name: 9C6N2129.VER  
 Inspection number:  
 Item id: BT08 201912  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 590.177 +- 0.719  
 Doubles: 1.473 +- 0.346  
 Triples: 0.000 +- 0.000  
 Scaler 1: 43.305 +- 0.217  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	35441	1431	1351	2597	0	Pass
2	35337	1403	1343	2557	0	Pass
3	35384	1418	1329	2625	0	Pass
4	35475	1390	1331	2649	0	Pass
5	35380	1365	1362	2589	0	Pass
6	35482	1456	1416	2563	0	Pass
7	35698	1418	1321	2626	0	Pass
8	35174	1371	1310	2663	0	Pass
9	35431	1519	1284	2541	0	Pass
10	35304	1453	1293	2573	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	590.683	1.333	0.000	0.000	Pass
2	588.950	1.000	0.000	0.000	Pass
3	589.733	1.483	0.000	0.000	Pass
4	591.250	0.983	0.000	0.000	Pass
5	589.667	0.050	0.000	0.000	Pass
6	591.367	0.667	0.000	0.000	Pass
7	594.967	1.617	0.000	0.000	Pass
8	586.233	1.017	0.000	0.000	Pass
9	590.517	3.917	0.000	0.000	Pass
10	588.400	2.667	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 13:37:33  
 Results file name: 9C6N3733.VER  
 Inspection number:  
 Item id: BT09 201912  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1139.003 +- 1.434  
 Doubles: 5.510 +- 0.467  
 Triples: 0.000 +- 0.000  
 Scaler 1: 30.043 +- 0.211  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	68338	5283	5046	1833	0	Pass
2	68599	5234	5024	1813	0	Pass
3	68545	5375	4945	1762	0	Pass
4	67850	5128	4889	1845	0	Pass
5	68322	5284	4917	1739	0	Pass
6	68491	5293	4971	1786	0	Pass
7	68408	5171	4901	1785	0	Pass
8	68529	5372	5010	1816	0	Pass
9	68467	5345	4937	1870	0	Pass
10	67853	5356	4895	1777	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1138.967	3.950	0.000	0.000	Pass
2	1143.317	3.500	0.000	0.000	Pass
3	1142.417	7.167	0.000	0.000	Pass
4	1130.833	3.983	0.000	0.000	Pass
5	1138.700	6.117	0.000	0.000	Pass
6	1141.517	5.367	0.000	0.000	Pass
7	1140.133	4.500	0.000	0.000	Pass
8	1142.150	6.033	0.000	0.000	Pass
9	1141.117	6.800	0.000	0.000	Pass
10	1130.883	7.683	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_01  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 13:52:37  
 Results file name: 9C6N5237.VER  
 Inspection number:  
 Item id: BT10 201912  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1116.352 +- 1.782  
 Doubles: 4.803 +- 0.621  
 Triples: 0.000 +- 0.000  
 Scaler 1: 33.668 +- 0.281  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	66865	4891	4792	1939	0	Pass
2	66954	5106	4668	2037	0	Pass
3	66882	5092	4705	2082	0	Pass
4	67774	5176	5046	1970	0	Pass
5	66808	5141	4792	2092	0	Pass
6	66748	5049	4832	2057	0	Pass
7	67080	5037	4747	1963	0	Pass
8	66992	5106	4811	1984	0	Pass
9	67207	5135	4892	2055	0	Pass
10	66501	5115	4681	2022	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1114.417	1.650	0.000	0.000	Pass
2	1115.900	7.300	0.000	0.000	Pass
3	1114.700	6.450	0.000	0.000	Pass
4	1129.567	2.167	0.000	0.000	Pass
5	1113.467	5.817	0.000	0.000	Pass
6	1112.467	3.617	0.000	0.000	Pass
7	1118.000	4.833	0.000	0.000	Pass
8	1116.533	4.917	0.000	0.000	Pass
9	1120.117	4.050	0.000	0.000	Pass
10	1108.350	7.233	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 09:18:23  
 Results file name: 906J1823.VER  
 Inspection number:  
 Item id: PB01 201912  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000  
  
 Number passive cycles: 10  
 Count time (sec): 60  
  
 Passive error messages  
  
 No known alpha calibration  
  
 Results  
  
 Singles: 1072.207 +- 1.836  
 Doubles: 4.883 +- 0.400  
 Triples: 0.000 +- 0.000  
 Scaler 1: 52.660 +- 0.350  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	64823	4756	4573	3103	0	Pass
2	64270	4592	4280	3173	0	Pass
3	64364	4663	4438	3114	0	Pass
4	64047	4724	4402	3079	0	Pass
5	63953	4737	4315	3219	0	Pass
6	64914	4758	4531	3208	0	Pass
7	64536	4665	4431	3271	0	Pass
8	64419	4688	4364	3068	0	Pass
9	64075	4699	4314	3169	0	Pass
10	63923	4631	4335	3192	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1080.383	3.050	0.000	0.000	Pass
2	1071.167	5.200	0.000	0.000	Pass
3	1072.733	3.750	0.000	0.000	Pass
4	1067.450	5.367	0.000	0.000	Pass
5	1065.883	7.033	0.000	0.000	Pass
6	1081.900	3.783	0.000	0.000	Pass
7	1075.600	3.900	0.000	0.000	Pass
8	1073.650	5.400	0.000	0.000	Pass
9	1067.917	6.417	0.000	0.000	Pass
10	1065.383	4.933	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 09:34:27  
 Results file name: 906J3427.VER  
 Inspection number:  
 Item id: PB02 201912  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000  
  
 Number passive cycles: 10  
 Count time (sec): 60  
  
 Passive error messages  
  
 No known alpha calibration  
  
 Results  
  
 Singles: 1307.508 +- 1.717  
 Doubles: 6.667 +- 0.548  
 Triples: 0.000 +- 0.000  
 Scaler 1: 45.370 +- 0.324  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	78697	7123	6587	2733	0	Pass
2	79154	6983	6753	2749	0	Pass
3	78480	6882	6435	2686	0	Pass
4	78452	6933	6458	2733	0	Pass
5	78471	6984	6663	2825	0	Pass
6	78476	6892	6424	2645	0	Pass
7	78085	6798	6482	2661	0	Pass
8	78074	6851	6574	2645	0	Pass
9	78510	6980	6531	2789	0	Pass
10	78106	7008	6527	2756	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1311.617	8.933	0.000	0.000	Pass
2	1319.233	3.833	0.000	0.000	Pass
3	1308.000	7.450	0.000	0.000	Pass
4	1307.533	7.917	0.000	0.000	Pass
5	1307.850	5.350	0.000	0.000	Pass
6	1307.933	7.800	0.000	0.000	Pass
7	1301.417	5.267	0.000	0.000	Pass
8	1301.233	4.617	0.000	0.000	Pass
9	1308.500	7.483	0.000	0.000	Pass
10	1301.767	8.017	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 09:51:32  
 Results file name: 9C6J5132.VER  
 Inspection number:  
 Item id: PB03 201912  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 705.803 +- 1.203  
 Doubles: 2.913 +- 0.257  
 Triples: 0.000 +- 0.000  
 Scaler 1: 57.293 +- 0.271  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	42448	2074	1873	3460	0	Pass
2	42204	2037	1837	3376	0	Pass
3	42493	2097	1957	3443	0	Pass
4	42007	2009	1863	3430	0	Pass
5	42624	2072	1888	3454	0	Pass
6	42298	2056	1955	3447	0	Pass
7	42335	2083	1805	3390	0	Pass
8	41975	2047	1854	3379	0	Pass
9	42517	2058	1922	3444	0	Pass
10	42581	2122	1953	3553	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	707.467	3.350	0.000	0.000	Pass
2	703.400	3.333	0.000	0.000	Pass
3	708.217	2.333	0.000	0.000	Pass
4	700.117	2.433	0.000	0.000	Pass
5	710.400	3.067	0.000	0.000	Pass
6	704.967	1.683	0.000	0.000	Pass
7	705.583	4.633	0.000	0.000	Pass
8	699.583	3.217	0.000	0.000	Pass
9	708.617	2.267	0.000	0.000	Pass
10	709.683	2.817	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 10:07:37  
 Results file name: 9C6K0737.VER  
 Inspection number:  
 Item id: PB04 201912  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1494.990 +- 2.086  
 Doubles: 7.687 +- 0.614  
 Triples: 0.000 +- 0.000  
 Scaler 1: 246.023 +- 0.529  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	89982	9269	8578	14823	0	Pass
2	89448	8931	8589	14797	0	Pass
3	88879	8837	8405	14692	0	Pass
4	89966	9155	8626	14632	0	Pass
5	89744	9102	8577	14765	0	Pass
6	90361	9218	8662	14730	0	Pass
7	89693	9063	8596	14889	0	Pass
8	89635	9066	8716	14840	0	Pass
9	89453	9115	8712	14707	0	Pass
10	89833	9001	8684	14539	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1499.700	11.517	0.000	0.000	Pass
2	1490.800	5.700	0.000	0.000	Pass
3	1481.317	7.200	0.000	0.000	Pass
4	1499.433	8.817	0.000	0.000	Pass
5	1495.733	8.750	0.000	0.000	Pass
6	1506.017	9.267	0.000	0.000	Pass
7	1494.883	7.783	0.000	0.000	Pass
8	1493.917	5.833	0.000	0.000	Pass
9	1490.883	6.717	0.000	0.000	Pass
10	1497.217	5.283	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 10:22:41  
 Results file name: 9C6K2241.VER  
 Inspection number:  
 Item id: PB05 201912  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1335.538 +- 1.848  
 Doubles: 7.165 +- 0.694  
 Triples: 0.000 +- 0.000  
 Scaler 1: 133.732 +- 0.485  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	80153	7417	6949	7934	0	Pass
2	80547	7307	6875	8098	0	Pass
3	80342	7312	6976	8066	0	Pass
4	80325	7281	7018	7934	0	Pass
5	80375	7317	7030	7997	0	Pass
6	80554	7406	7000	8145	0	Pass
7	79943	7430	6911	7851	0	Pass
8	79659	7335	6728	8050	0	Pass
9	79669	7303	6654	8078	0	Pass
10	79756	7234	6902	8086	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1335.883	7.800	0.000	0.000	Pass
2	1342.450	7.200	0.000	0.000	Pass
3	1339.033	5.600	0.000	0.000	Pass
4	1338.750	4.383	0.000	0.000	Pass
5	1339.583	4.783	0.000	0.000	Pass
6	1342.567	6.767	0.000	0.000	Pass
7	1332.383	8.650	0.000	0.000	Pass
8	1327.650	10.117	0.000	0.000	Pass
9	1327.817	10.817	0.000	0.000	Pass
10	1329.267	5.533	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 10:37:45  
 Results file name: 9C6K3745.VER  
 Inspection number:  
 Item id: PB06 201912  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1797.718 +- 1.885  
 Doubles: 14.917 +- 0.543  
 Triples: 0.000 +- 0.000  
 Scaler 1: 67.073 +- 0.444  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	108657	13471	12526	4040	0	Pass
2	107583	13263	12344	4086	0	Pass
3	107452	13260	12311	3881	0	Pass
4	108017	13313	12222	3981	0	Pass
5	107770	13069	12210	4060	0	Pass
6	107851	13212	12438	4085	0	Pass
7	107795	13146	12275	3972	0	Pass
8	107462	13293	12459	4096	0	Pass
9	107911	13283	12312	3911	0	Pass
10	108133	13131	12394	4132	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1810.950	15.750	0.000	0.000	Pass
2	1793.050	15.317	0.000	0.000	Pass
3	1790.867	15.817	0.000	0.000	Pass
4	1800.283	18.183	0.000	0.000	Pass
5	1796.167	14.317	0.000	0.000	Pass
6	1797.517	12.900	0.000	0.000	Pass
7	1796.583	14.517	0.000	0.000	Pass
8	1791.033	13.900	0.000	0.000	Pass
9	1798.517	16.183	0.000	0.000	Pass
10	1802.217	12.283	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 10:58:51  
 Results file name: 9C6K5851.VER  
 Inspection number:  
 Item id: PB07 201912  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	4620.408 +-	1.905
Doubles:	89.852 +-	2.122
Triples:	0.000 +-	0.000
Scaler 1:	105.105 +-	0.350
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	276657	87048	81260	6447	0	Pass
2	277107	87422	81915	6328	0	Pass
3	277134	87259	81766	6241	0	Pass
4	277025	86832	82189	6253	0	Pass
5	277584	87869	81820	6237	0	Pass
6	277161	87477	81913	6353	0	Pass
7	276765	86930	81453	6250	0	Pass
8	277666	87191	82141	6330	0	Pass
9	277503	87140	81841	6285	0	Pass
10	277643	87147	82106	6339	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	4610.950	96.467	0.000	0.000	Pass
2	4618.450	91.783	0.000	0.000	Pass
3	4618.900	91.550	0.000	0.000	Pass
4	4617.083	77.383	0.000	0.000	Pass
5	4626.400	100.817	0.000	0.000	Pass
6	4619.350	92.733	0.000	0.000	Pass
7	4612.750	91.283	0.000	0.000	Pass
8	4627.767	84.167	0.000	0.000	Pass
9	4625.050	88.317	0.000	0.000	Pass
10	4627.383	84.017	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 13:21:29  
 Results file name: 9C6N2129.VER  
 Inspection number:  
 Item id: PB08 201912  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	40158.068 +-	7.642
Doubles:	6854.295 +-	20.033
Triples:	0.000 +-	0.000
Scaler 1:	324.928 +-	0.612
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2408810	6595126	6190974	19412	0	Pass
2	2410679	6612777	6199295	19485	0	Pass
3	2406084	6588012	6175609	19601	0	Pass
4	2410629	6608958	6196212	19304	0	Pass
5	2410310	6609404	6197971	19339	0	Pass
6	2410590	6610235	6198728	19498	0	Pass
7	2410172	6603869	6195032	19661	0	Pass
8	2409404	6609760	6192357	19498	0	Pass
9	2408227	6595018	6188284	19567	0	Pass
10	2409936	6610880	6197000	19592	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	40146.833	6735.867	0.000	0.000	Pass
2	40177.983	6891.367	0.000	0.000	Pass
3	40101.400	6873.383	0.000	0.000	Pass
4	40177.150	6879.100	0.000	0.000	Pass
5	40171.833	6857.217	0.000	0.000	Pass
6	40176.500	6858.450	0.000	0.000	Pass
7	40169.533	6813.950	0.000	0.000	Pass
8	40156.733	6956.717	0.000	0.000	Pass
9	40137.117	6778.900	0.000	0.000	Pass
10	40165.600	6898.000	0.000	0.000	Pass

(2)



INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 13:37:33  
 Results file name: 9C6N3733.VER  
 Inspection number:  
 Item id: PB09 201912  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	7680.890 +- 4.472
Doubles:	245.720 +- 3.947
Triples:	0.000 +- 0.000
Scaler 1:	1086.198 +- 1.514
Scaler 2:	0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	460098	240621	226216	65156	0	Pass
2	462012	242460	227571	65443	0	Pass
3	461410	241882	226840	65221	0	Pass
4	460461	240837	226033	64989	0	Pass
5	460672	240781	227191	65171	0	Pass
6	461505	241237	226761	65425	0	Pass
7	461918	242937	226993	65532	0	Pass
8	460882	242535	226656	64770	0	Pass
9	460135	240375	226396	64672	0	Pass
10	459441	240092	225668	65340	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7668.300	240.083	0.000	0.000	Pass
2	7700.200	248.150	0.000	0.000	Pass
3	7690.167	250.700	0.000	0.000	Pass
4	7674.350	246.733	0.000	0.000	Pass
5	7677.867	226.500	0.000	0.000	Pass
6	7691.750	241.267	0.000	0.000	Pass
7	7698.633	265.733	0.000	0.000	Pass
8	7681.367	264.650	0.000	0.000	Pass
9	7668.917	232.983	0.000	0.000	Pass
10	7657.350	240.400	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 13:52:37  
 Results file name: 9C6N5237.VER  
 Inspection number:  
 Item id: PB10 201912  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	3253.788 +- 2.827
Doubles:	44.403 +- 1.329
Triples:	0.000 +- 0.000
Scaler 1:	2476.852 +- 1.381
Scaler 2:	0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	195927	43667	41003	148706	0	Pass
2	194733	43073	40339	148469	0	Pass
3	194691	42860	40108	148616	0	Pass
4	195694	43772	40846	148644	0	Pass
5	194386	42907	40335	148357	0	Pass
6	194836	43261	40411	148749	0	Pass
7	195499	43462	41110	148565	0	Pass
8	195187	43215	40234	148234	0	Pass
9	195519	43512	41348	149209	0	Pass
10	195801	43389	40742	148562	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3265.450	44.400	0.000	0.000	Pass
2	3245.550	45.567	0.000	0.000	Pass
3	3244.850	45.867	0.000	0.000	Pass
4	3261.567	48.767	0.000	0.000	Pass
5	3239.767	42.867	0.000	0.000	Pass
6	3247.267	47.500	0.000	0.000	Pass
7	3258.317	39.200	0.000	0.000	Pass
8	3253.117	49.683	0.000	0.000	Pass
9	3258.650	36.067	0.000	0.000	Pass
10	3263.350	44.117	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 09:18:23  
 Results file name: 906J1823.VER  
 Inspection number:  
 Item id: PC01 201912  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1072.306 +- 1.836  
 Doubles: 4.885 +- 0.400  
 Triples: 0.000 +- 0.000  
 Scaler 1: 52.660 +- 0.350  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	64823	4756	4573	3103	0	Pass
2	64270	4592	4280	3173	0	Pass
3	64364	4663	4438	3114	0	Pass
4	64047	4724	4402	3079	0	Pass
5	63953	4737	4315	3219	0	Pass
6	64914	4758	4531	3208	0	Pass
7	64536	4665	4431	3271	0	Pass
8	64419	4688	4364	3068	0	Pass
9	64075	4699	4314	3169	0	Pass
10	63923	4631	4335	3192	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1080.484	3.051	0.000	0.000	Pass
2	1071.266	5.202	0.000	0.000	Pass
3	1072.833	3.751	0.000	0.000	Pass
4	1067.549	5.369	0.000	0.000	Pass
5	1065.982	7.036	0.000	0.000	Pass
6	1082.001	3.785	0.000	0.000	Pass
7	1075.700	3.901	0.000	0.000	Pass
8	1073.750	5.402	0.000	0.000	Pass
9	1068.015	6.419	0.000	0.000	Pass
10	1065.481	4.935	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 09:34:27  
 Results file name: 906J3427.VER  
 Inspection number:  
 Item id: PC02 201912  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1307.656 +- 1.717  
 Doubles: 6.670 +- 0.548  
 Triples: 0.000 +- 0.000  
 Scaler 1: 45.370 +- 0.324  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	78697	7123	6587	2733	0	Pass
2	79154	6983	6753	2749	0	Pass
3	78480	6882	6435	2686	0	Pass
4	78452	6933	6458	2733	0	Pass
5	78471	6984	6663	2825	0	Pass
6	78476	6892	6424	2645	0	Pass
7	78085	6798	6482	2661	0	Pass
8	78074	6851	6574	2645	0	Pass
9	78510	6980	6531	2789	0	Pass
10	78106	7008	6527	2756	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1311.765	8.937	0.000	0.000	Pass
2	1319.384	3.835	0.000	0.000	Pass
3	1308.148	7.453	0.000	0.000	Pass
4	1307.681	7.920	0.000	0.000	Pass
5	1307.998	5.352	0.000	0.000	Pass
6	1308.081	7.804	0.000	0.000	Pass
7	1301.563	5.269	0.000	0.000	Pass
8	1301.380	4.619	0.000	0.000	Pass
9	1308.648	7.487	0.000	0.000	Pass
10	1301.913	8.020	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 09:51:32  
 Results file name: 9C6J5132.VER  
 Inspection number:  
 Item id: PC03 201912  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 705.846 +- 1.203  
 Doubles: 2.914 +- 0.257  
 Triples: 0.000 +- 0.000  
 Scaler 1: 57.293 +- 0.271  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	42448	2074	1873	3460	0	Pass
2	42204	2037	1837	3376	0	Pass
3	42493	2097	1957	3443	0	Pass
4	42007	2009	1863	3430	0	Pass
5	42624	2072	1888	3454	0	Pass
6	42298	2056	1955	3447	0	Pass
7	42335	2083	1805	3390	0	Pass
8	41975	2047	1854	3379	0	Pass
9	42517	2058	1922	3444	0	Pass
10	42581	2122	1953	3553	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	707.510	3.351	0.000	0.000	Pass
2	703.443	3.334	0.000	0.000	Pass
3	708.260	2.334	0.000	0.000	Pass
4	700.159	2.434	0.000	0.000	Pass
5	710.444	3.067	0.000	0.000	Pass
6	705.010	1.684	0.000	0.000	Pass
7	705.626	4.634	0.000	0.000	Pass
8	699.626	3.217	0.000	0.000	Pass
9	708.660	2.267	0.000	0.000	Pass
10	709.727	2.817	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 10:07:37  
 Results file name: 9C6K0737.VER  
 Inspection number:  
 Item id: PC04 201912  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1495.183 +- 2.086  
 Doubles: 7.691 +- 0.614  
 Triples: 0.000 +- 0.000  
 Scaler 1: 246.023 +- 0.529  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	89982	9269	8578	14823	0	Pass
2	89448	8931	8589	14797	0	Pass
3	88879	8837	8405	14692	0	Pass
4	89966	9155	8626	14632	0	Pass
5	89744	9102	8577	14765	0	Pass
6	90361	9218	8662	14730	0	Pass
7	89693	9063	8596	14889	0	Pass
8	89635	9066	8716	14840	0	Pass
9	89453	9115	8712	14707	0	Pass
10	89833	9001	8684	14539	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1499.894	11.523	0.000	0.000	Pass
2	1490.992	5.703	0.000	0.000	Pass
3	1481.506	7.204	0.000	0.000	Pass
4	1499.628	8.821	0.000	0.000	Pass
5	1495.927	8.755	0.000	0.000	Pass
6	1506.213	9.271	0.000	0.000	Pass
7	1495.077	7.787	0.000	0.000	Pass
8	1494.110	5.836	0.000	0.000	Pass
9	1491.076	6.720	0.000	0.000	Pass
10	1497.410	5.286	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 10:22:41  
 Results file name: 9C6K2241.VER  
 Inspection number:  
 Item id: PC05 201912  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1335.693 +- 1.848  
 Doubles: 7.168 +- 0.694  
 Triples: 0.000 +- 0.000  
 Scaler 1: 133.732 +- 0.485  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	80153	7417	6949	7934	0	Pass
2	80547	7307	6875	8098	0	Pass
3	80342	7312	6976	8066	0	Pass
4	80325	7281	7018	7934	0	Pass
5	80375	7317	7030	7997	0	Pass
6	80554	7406	7000	8145	0	Pass
7	79943	7430	6911	7851	0	Pass
8	79659	7335	6728	8050	0	Pass
9	79669	7303	6654	8078	0	Pass
10	79756	7234	6902	8086	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1336.038	7.804	0.000	0.000	Pass
2	1342.606	7.203	0.000	0.000	Pass
3	1339.188	5.603	0.000	0.000	Pass
4	1338.905	4.385	0.000	0.000	Pass
5	1339.738	4.786	0.000	0.000	Pass
6	1342.723	6.770	0.000	0.000	Pass
7	1332.537	8.654	0.000	0.000	Pass
8	1327.802	10.121	0.000	0.000	Pass
9	1327.969	10.822	0.000	0.000	Pass
10	1329.419	5.536	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 10:37:45  
 Results file name: 9C6K3745.VER  
 Inspection number:  
 Item id: PC06 201912  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1797.998 +- 1.885  
 Doubles: 14.926 +- 0.543  
 Triples: 0.000 +- 0.000  
 Scaler 1: 67.073 +- 0.444  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	108657	13471	12526	4040	0	Pass
2	107583	13263	12344	4086	0	Pass
3	107452	13260	12311	3881	0	Pass
4	108017	13313	12222	3981	0	Pass
5	107770	13069	12210	4060	0	Pass
6	107851	13212	12438	4085	0	Pass
7	107795	13146	12275	3972	0	Pass
8	107462	13293	12459	4096	0	Pass
9	107911	13283	12312	3911	0	Pass
10	108133	13131	12394	4132	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1811.234	15.760	0.000	0.000	Pass
2	1793.328	15.326	0.000	0.000	Pass
3	1791.144	15.826	0.000	0.000	Pass
4	1800.564	18.195	0.000	0.000	Pass
5	1796.446	14.326	0.000	0.000	Pass
6	1797.796	12.908	0.000	0.000	Pass
7	1796.862	14.526	0.000	0.000	Pass
8	1791.311	13.909	0.000	0.000	Pass
9	1798.796	16.193	0.000	0.000	Pass
10	1802.498	12.291	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 10:58:51  
 Results file name: 9C6K5851.VER  
 Inspection number:  
 Item id: PC07 201912  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 4622.255 +- 1.907  
 Doubles: 89.995 +- 2.125  
 Triples: 0.000 +- 0.000  
 Scaler 1: 105.105 +- 0.350  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	276657	87048	81260	6447	0	Pass
2	277107	87422	81915	6328	0	Pass
3	277134	87259	81766	6241	0	Pass
4	277025	86832	82189	6253	0	Pass
5	277584	87869	81820	6237	0	Pass
6	277161	87477	81913	6353	0	Pass
7	276765	86930	81453	6250	0	Pass
8	277666	87191	82141	6330	0	Pass
9	277503	87140	81841	6285	0	Pass
10	277643	87147	82106	6339	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	4612.789	96.621	0.000	0.000	Pass
2	4620.295	91.930	0.000	0.000	Pass
3	4620.745	91.696	0.000	0.000	Pass
4	4618.927	77.507	0.000	0.000	Pass
5	4628.251	100.978	0.000	0.000	Pass
6	4621.196	92.882	0.000	0.000	Pass
7	4614.591	91.429	0.000	0.000	Pass
8	4629.619	84.302	0.000	0.000	Pass
9	4626.900	88.458	0.000	0.000	Pass
10	4629.236	84.151	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 13:21:29  
 Results file name: 9C6N2129.VER  
 Inspection number:  
 Item id: PC08 201912  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 40298.212 +- 7.696  
 Doubles: 6950.477 +- 20.318  
 Triples: 0.000 +- 0.000  
 Scaler 1: 324.928 +- 0.612  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2408810	6595126	6190974	19412	0	Pass
2	2410679	6612777	6199295	19485	0	Pass
3	2406084	6588012	6175609	19601	0	Pass
4	2410629	6608958	6196212	19304	0	Pass
5	2410310	6609404	6197971	19339	0	Pass
6	2410590	6610235	6198728	19498	0	Pass
7	2410172	6603869	6195032	19661	0	Pass
8	2409404	6609760	6192357	19498	0	Pass
9	2408227	6595018	6188284	19567	0	Pass
10	2409936	6610880	6197000	19592	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	40286.898	6830.360	0.000	0.000	Pass
2	40318.266	6988.118	0.000	0.000	Pass
3	40241.147	6969.696	0.000	0.000	Pass
4	40317.427	6975.677	0.000	0.000	Pass
5	40312.073	6953.473	0.000	0.000	Pass
6	40316.772	6954.735	0.000	0.000	Pass
7	40309.757	6909.594	0.000	0.000	Pass
8	40296.867	7054.333	0.000	0.000	Pass
9	40277.114	6873.974	0.000	0.000	Pass
10	40305.796	6994.814	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 13:37:33  
 Results file name: 9C6N3733.VER  
 Inspection number:  
 Item id: PC09 201912  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 7685.995 +- 4.478  
 Doubles: 246.374 +- 3.958  
 Triples: 0.000 +- 0.000  
 Scaler 1: 1086.198 +- 1.514  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	460098	240621	226216	65156	0	Pass
2	462012	242460	227571	65443	0	Pass
3	461410	241882	226840	65221	0	Pass
4	460461	240837	226033	64989	0	Pass
5	460672	240781	227191	65171	0	Pass
6	461505	241237	226761	65425	0	Pass
7	461918	242937	226993	65532	0	Pass
8	460882	242535	226656	64770	0	Pass
9	460135	240375	226396	64672	0	Pass
10	459441	240092	225668	65340	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7673.389	240.721	0.000	0.000	Pass
2	7705.331	248.812	0.000	0.000	Pass
3	7695.284	251.368	0.000	0.000	Pass
4	7679.447	247.389	0.000	0.000	Pass
5	7682.968	227.103	0.000	0.000	Pass
6	7696.870	241.910	0.000	0.000	Pass
7	7703.762	266.442	0.000	0.000	Pass
8	7686.473	265.354	0.000	0.000	Pass
9	7674.006	233.602	0.000	0.000	Pass
10	7662.424	241.038	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_03  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 13:52:37  
 Results file name: 9C6N5237.VER  
 Inspection number:  
 Item id: PC10 201912  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 3254.704 +- 2.829  
 Doubles: 44.453 +- 1.331  
 Triples: 0.000 +- 0.000  
 Scaler 1: 2476.852 +- 1.381  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	195927	43667	41003	148706	0	Pass
2	194733	43073	40339	148469	0	Pass
3	194691	42860	40108	148616	0	Pass
4	195694	43772	40846	148644	0	Pass
5	194386	42907	40335	148357	0	Pass
6	194836	43261	40411	148749	0	Pass
7	195499	43462	41110	148565	0	Pass
8	195187	43215	40234	148234	0	Pass
9	195519	43512	41348	149209	0	Pass
10	195801	43389	40742	148562	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3266.372	44.450	0.000	0.000	Pass
2	3246.461	45.618	0.000	0.000	Pass
3	3245.761	45.918	0.000	0.000	Pass
4	3262.487	48.822	0.000	0.000	Pass
5	3240.674	42.915	0.000	0.000	Pass
6	3248.179	47.553	0.000	0.000	Pass
7	3259.235	39.244	0.000	0.000	Pass
8	3254.032	49.739	0.000	0.000	Pass
9	3259.568	36.107	0.000	0.000	Pass
10	3264.271	44.166	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 09:18:23  
 Results file name: 906J1823.VER  
 Inspection number:  
 Item id: PT01 201912  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 40.705 +- 0.281  
 Doubles: -0.000 +- 0.019  
 Triples: 0.000 +- 0.000  
 Scaler 1: 99.727 +- 0.393  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2525	6	9	5991	0	Pass
2	2393	10	6	5917	0	Pass
3	2423	3	6	5992	0	Pass
4	2417	6	7	6038	0	Pass
5	2553	7	14	6120	0	Pass
6	2436	4	3	5917	0	Pass
7	2442	9	8	5995	0	Pass
8	2401	9	6	5857	0	Pass
9	2413	10	6	6039	0	Pass
10	2420	6	5	5970	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	42.083	-0.050	0.000	0.000	Pass
2	39.883	0.067	0.000	0.000	Pass
3	40.383	-0.050	0.000	0.000	Pass
4	40.283	-0.017	0.000	0.000	Pass
5	42.550	-0.117	0.000	0.000	Pass
6	40.600	0.017	0.000	0.000	Pass
7	40.700	0.017	0.000	0.000	Pass
8	40.017	0.050	0.000	0.000	Pass
9	40.217	0.067	0.000	0.000	Pass
10	40.333	0.017	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 09:34:27  
 Results file name: 906J3427.VER  
 Inspection number:  
 Item id: PT02 201912  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 61.160 +- 0.291  
 Doubles: 0.052 +- 0.029  
 Triples: 0.000 +- 0.000  
 Scaler 1: 169.073 +- 0.351  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	3721	13	10	10051	0	Pass
2	3624	19	12	10254	0	Pass
3	3670	17	15	10039	0	Pass
4	3682	12	9	10155	0	Pass
5	3712	18	7	10206	0	Pass
6	3542	7	16	10168	0	Pass
7	3641	17	12	10177	0	Pass
8	3721	19	11	10096	0	Pass
9	3697	22	19	10159	0	Pass
10	3686	15	17	10139	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	62.017	0.050	0.000	0.000	Pass
2	60.400	0.117	0.000	0.000	Pass
3	61.167	0.033	0.000	0.000	Pass
4	61.367	0.050	0.000	0.000	Pass
5	61.867	0.183	0.000	0.000	Pass
6	59.033	-0.150	0.000	0.000	Pass
7	60.683	0.083	0.000	0.000	Pass
8	62.017	0.133	0.000	0.000	Pass
9	61.617	0.050	0.000	0.000	Pass
10	61.433	-0.033	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 09:51:32  
 Results file name: 9C6J5132.VER  
 Inspection number:  
 Item id: PT03 201912  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 228.197 +- 0.701  
 Doubles: 0.163 +- 0.088  
 Triples: 0.000 +- 0.000  
 Scaler 1: 53.533 +- 0.270  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	13716	223	194	3203	0	Pass
2	13695	233	205	3212	0	Pass
3	13642	193	190	3306	0	Pass
4	13568	237	205	3214	0	Pass
5	13728	216	220	3120	0	Pass
6	13589	212	190	3238	0	Pass
7	13959	221	235	3185	0	Pass
8	13867	217	219	3160	0	Pass
9	13561	186	176	3255	0	Pass
10	13593	202	208	3227	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	228.600	0.483	0.000	0.000	Pass
2	228.250	0.467	0.000	0.000	Pass
3	227.367	0.050	0.000	0.000	Pass
4	226.133	0.533	0.000	0.000	Pass
5	228.800	-0.067	0.000	0.000	Pass
6	226.483	0.367	0.000	0.000	Pass
7	232.650	-0.233	0.000	0.000	Pass
8	231.117	-0.033	0.000	0.000	Pass
9	226.017	0.167	0.000	0.000	Pass
10	226.550	-0.100	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 10:07:37  
 Results file name: 9C6K0737.VER  
 Inspection number:  
 Item id: PT04 201912  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 879.990 +- 0.617  
 Doubles: 3.337 +- 0.286  
 Triples: 0.000 +- 0.000  
 Scaler 1: 43.558 +- 0.214  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	52648	3143	2958	2594	0	Pass
2	52952	3115	2977	2680	0	Pass
3	52698	3214	2955	2641	0	Pass
4	52929	3287	2965	2655	0	Pass
5	52835	3168	2977	2633	0	Pass
6	52817	3085	2962	2634	0	Pass
7	52706	3165	2925	2563	0	Pass
8	52832	3139	2969	2590	0	Pass
9	52927	3081	2889	2561	0	Pass
10	52650	3138	2936	2584	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	877.467	3.083	0.000	0.000	Pass
2	882.533	2.300	0.000	0.000	Pass
3	878.300	4.317	0.000	0.000	Pass
4	882.150	5.033	0.000	0.000	Pass
5	880.583	3.183	0.000	0.000	Pass
6	880.283	2.050	0.000	0.000	Pass
7	878.433	4.000	0.000	0.000	Pass
8	880.533	2.833	0.000	0.000	Pass
9	882.117	3.200	0.000	0.000	Pass
10	877.500	3.367	0.000	0.000	Pass

(2)



INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 10:22:41  
 Results file name: 9C6K2241.VER  
 Inspection number:  
 Item id: PT05 201912  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 2686.973 +- 2.254  
 Doubles: 27.848 +- 1.482  
 Triples: 0.000 +- 0.000  
 Scaler 1: 47.592 +- 0.244  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	161799	29724	28361	2799	0	Pass
2	161335	29750	27675	2851	0	Pass
3	161688	29711	28003	2840	0	Pass
4	160883	29269	27477	2922	0	Pass
5	161428	29246	27986	2909	0	Pass
6	161357	29656	27808	2870	0	Pass
7	161479	29383	27747	2897	0	Pass
8	160518	29516	27452	2834	0	Pass
9	161031	29338	27785	2777	0	Pass
10	160666	29240	27830	2856	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2696.650	22.717	0.000	0.000	Pass
2	2688.917	34.583	0.000	0.000	Pass
3	2694.800	28.467	0.000	0.000	Pass
4	2681.383	29.867	0.000	0.000	Pass
5	2690.467	21.000	0.000	0.000	Pass
6	2689.283	30.800	0.000	0.000	Pass
7	2691.317	27.267	0.000	0.000	Pass
8	2675.300	34.400	0.000	0.000	Pass
9	2683.850	25.883	0.000	0.000	Pass
10	2677.767	23.500	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 10:37:45  
 Results file name: 9C6K3745.VER  
 Inspection number:  
 Item id: PT06 201912  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 34.483 +- 0.245  
 Doubles: -0.048 +- 0.017  
 Triples: 0.000 +- 0.000  
 Scaler 1: 2310.158 +- 1.381  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2183	3	2	138360	0	Pass
2	2097	4	8	138532	0	Pass
3	2043	2	10	138549	0	Pass
4	2083	4	7	138857	0	Pass
5	2061	2	6	138869	0	Pass
6	2056	2	5	138674	0	Pass
7	2059	5	7	138919	0	Pass
8	2008	3	9	138830	0	Pass
9	2052	1	4	138170	0	Pass
10	2048	7	4	138335	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	36.383	0.017	0.000	0.000	Pass
2	34.950	-0.067	0.000	0.000	Pass
3	34.050	-0.133	0.000	0.000	Pass
4	34.717	-0.050	0.000	0.000	Pass
5	34.350	-0.067	0.000	0.000	Pass
6	34.267	-0.050	0.000	0.000	Pass
7	34.317	-0.033	0.000	0.000	Pass
8	33.467	-0.100	0.000	0.000	Pass
9	34.200	-0.050	0.000	0.000	Pass
10	34.133	0.050	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 10:58:51  
 Results file name: 9C6K5851.VER  
 Inspection number:  
 Item id: PT07 201912  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 30.973 +- 0.124  
 Doubles: -0.003 +- 0.011  
 Triples: 0.000 +- 0.000  
 Scaler 1: 791.212 +- 0.834  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	1852	2	2	47589	0	Pass
2	1841	3	2	47350	0	Pass
3	1894	3	4	47490	0	Pass
4	1815	7	3	47505	0	Pass
5	1853	5	3	47421	0	Pass
6	1866	4	6	47150	0	Pass
7	1843	0	2	47703	0	Pass
8	1891	3	3	47457	0	Pass
9	1862	3	5	47650	0	Pass
10	1867	6	8	47412	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	30.867	0.000	0.000	0.000	Pass
2	30.683	0.017	0.000	0.000	Pass
3	31.567	-0.017	0.000	0.000	Pass
4	30.250	0.067	0.000	0.000	Pass
5	30.883	0.033	0.000	0.000	Pass
6	31.100	-0.033	0.000	0.000	Pass
7	30.717	-0.033	0.000	0.000	Pass
8	31.517	0.000	0.000	0.000	Pass
9	31.033	-0.033	0.000	0.000	Pass
10	31.117	-0.033	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 13:21:29  
 Results file name: 9C6N2129.VER  
 Inspection number:  
 Item id: PT08 201912  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 45.387 +- 0.323  
 Doubles: 0.003 +- 0.019  
 Triples: 0.000 +- 0.000  
 Scaler 1: 233.412 +- 0.316  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2713	8	10	13913	0	Pass
2	2777	11	10	13985	0	Pass
3	2765	8	11	13979	0	Pass
4	2627	6	10	14034	0	Pass
5	2692	10	4	14117	0	Pass
6	2696	4	7	14071	0	Pass
7	2706	7	4	13987	0	Pass
8	2816	8	10	14024	0	Pass
9	2652	7	6	13997	0	Pass
10	2788	10	5	13940	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	45.217	-0.033	0.000	0.000	Pass
2	46.283	0.017	0.000	0.000	Pass
3	46.083	-0.050	0.000	0.000	Pass
4	43.783	-0.067	0.000	0.000	Pass
5	44.867	0.100	0.000	0.000	Pass
6	44.933	-0.050	0.000	0.000	Pass
7	45.100	0.050	0.000	0.000	Pass
8	46.933	-0.033	0.000	0.000	Pass
9	44.200	0.017	0.000	0.000	Pass
10	46.467	0.083	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 13:37:34  
 Results file name: 9C6N3734.VER  
 Inspection number:  
 Item id: PT09 201912  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 151.265 +- 0.503  
 Doubles: 0.178 +- 0.051  
 Triples: 0.000 +- 0.000  
 Scaler 1: 95.353 +- 0.426  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	9030	92	81	5666	0	Pass
2	9119	93	83	5845	0	Pass
3	9224	89	81	5754	0	Pass
4	9070	91	87	5772	0	Pass
5	8992	98	67	5611	0	Pass
6	9113	97	95	5735	0	Pass
7	9144	106	84	5647	0	Pass
8	8935	82	72	5651	0	Pass
9	8959	99	87	5836	0	Pass
10	9173	93	96	5695	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	150.500	0.183	0.000	0.000	Pass
2	151.983	0.167	0.000	0.000	Pass
3	153.733	0.133	0.000	0.000	Pass
4	151.167	0.067	0.000	0.000	Pass
5	149.867	0.517	0.000	0.000	Pass
6	151.883	0.033	0.000	0.000	Pass
7	152.400	0.367	0.000	0.000	Pass
8	148.917	0.167	0.000	0.000	Pass
9	149.317	0.200	0.000	0.000	Pass
10	152.883	-0.050	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: JSR\_02  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.12.06 13:52:38  
 Results file name: 9C6N5238.VER  
 Inspection number:  
 Item id: PT10 201912  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 19.12.06  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 19.12.06  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 91.272 +- 0.448  
 Doubles: 0.020 +- 0.042  
 Triples: 0.000 +- 0.000  
 Scaler 1: 77.758 +- 0.265  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	5495	33	28	4573	0	Pass
2	5500	35	44	4728	0	Pass
3	5529	43	37	4680	0	Pass
4	5382	35	34	4667	0	Pass
5	5536	28	33	4735	0	Pass
6	5357	23	32	4663	0	Pass
7	5647	37	29	4705	0	Pass
8	5449	47	31	4642	0	Pass
9	5409	33	35	4611	0	Pass
10	5459	34	33	4651	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	91.583	0.083	0.000	0.000	Pass
2	91.667	-0.150	0.000	0.000	Pass
3	92.150	0.100	0.000	0.000	Pass
4	89.700	0.017	0.000	0.000	Pass
5	92.267	-0.083	0.000	0.000	Pass
6	89.283	-0.150	0.000	0.000	Pass
7	94.117	0.133	0.000	0.000	Pass
8	90.817	0.267	0.000	0.000	Pass
9	90.150	-0.033	0.000	0.000	Pass
10	90.983	0.017	0.000	0.000	Pass

(2)

## 202001\_AFAS-B Bottom Fork\_Position1.txt

## 202001\_AFAS-B Bottom Fork\_Position1.txt

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 09:27:03  
 Results file name: 019J2703.VER  
 Inspection number:  
 Item id: BB1 202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	38.613 +-	0.206
Doubles:	-0.003 +-	0.015
Triples:	0.000 +-	0.000
Scaler 1:	96.520 +-	0.361
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2301	8	7	5789	0	Pass
2	2256	3	1	5734	0	Pass
3	2345	7	8	5765	0	Pass
4	2319	7	8	5870	0	Pass
5	2271	3	4	5771	0	Pass
6	2369	12	8	5787	0	Pass
7	2336	10	8	5912	0	Pass
8	2337	6	6	5683	0	Pass
9	2276	2	9	5750	0	Pass
10	2358	7	8	5851	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	38.350	0.017	0.000	0.000	Pass
2	37.600	0.033	0.000	0.000	Pass
3	39.083	-0.017	0.000	0.000	Pass
4	38.650	-0.017	0.000	0.000	Pass
5	37.850	-0.017	0.000	0.000	Pass
6	39.483	0.067	0.000	0.000	Pass
7	38.933	0.033	0.000	0.000	Pass
8	38.950	0.000	0.000	0.000	Pass
9	37.933	-0.117	0.000	0.000	Pass
10	39.300	-0.017	0.000	0.000	Pass

(2)

## 202001\_AFAS-B Bottom Fork\_Position2.txt

## 202001\_AFAS-B Bottom Fork\_Position2.txt

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 09:45:08  
 Results file name: 019J4508.VER  
 Inspection number:  
 Item id: BB2 202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	59.313 +-	0.224
Doubles:	0.008 +-	0.017
Triples:	0.000 +-	0.000
Scaler 1:	164.632 +-	0.803
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	3589	11	13	9677	0	Pass
2	3620	18	18	9826	0	Pass
3	3526	16	16	9948	0	Pass
4	3591	13	13	9945	0	Pass
5	3578	12	16	9930	0	Pass
6	3569	14	13	9758	0	Pass
7	3589	18	19	9631	0	Pass
8	3507	18	13	9977	0	Pass
9	3527	19	12	9961	0	Pass
10	3492	11	12	10126	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	59.817	-0.033	0.000	0.000	Pass
2	60.333	0.000	0.000	0.000	Pass
3	58.767	0.000	0.000	0.000	Pass
4	59.850	0.000	0.000	0.000	Pass
5	59.633	-0.067	0.000	0.000	Pass
6	59.483	0.017	0.000	0.000	Pass
7	59.817	-0.017	0.000	0.000	Pass
8	58.450	0.083	0.000	0.000	Pass
9	58.783	0.117	0.000	0.000	Pass
10	58.200	-0.017	0.000	0.000	Pass

(2)

## 202001\_AFAS-B Bottom Fork\_Position3. txt

## 202001\_AFAS-B Bottom Fork\_Position3. txt

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 10:01:12  
 Results file name: 019K0112.VER  
 Inspection number:  
 Item id: BB3 202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 222.852 +- 0.556  
 Doubles: -0.037 +- 0.096  
 Triples: 0.000 +- 0.000  
 Scaler 1: 52.432 +- 0.326  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	13459	214	219	3115	0	Pass
2	13454	193	203	3102	0	Pass
3	13513	213	210	3276	0	Pass
4	13303	171	193	3088	0	Pass
5	13484	206	178	3202	0	Pass
6	13425	196	196	3106	0	Pass
7	13234	201	195	3169	0	Pass
8	13283	197	211	3193	0	Pass
9	13253	185	215	3116	0	Pass
10	13303	210	188	3092	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	224.317	-0.083	0.000	0.000	Pass
2	224.233	-0.167	0.000	0.000	Pass
3	225.217	0.050	0.000	0.000	Pass
4	221.717	-0.367	0.000	0.000	Pass
5	224.733	0.467	0.000	0.000	Pass
6	223.750	0.000	0.000	0.000	Pass
7	220.567	0.100	0.000	0.000	Pass
8	221.383	-0.233	0.000	0.000	Pass
9	220.883	-0.500	0.000	0.000	Pass
10	221.717	0.367	0.000	0.000	Pass

(2)

## 202001\_AFAS-B Bottom Fork\_Position4. txt

## 202001\_AFAS-B Bottom Fork\_Position4. txt

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 10:18:17  
 Results file name: 019K1817.VER  
 Inspection number:  
 Item id: BB4 202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 860.265 +- 1.378  
 Doubles: 2.505 +- 0.379  
 Triples: 0.000 +- 0.000  
 Scaler 1: 42.832 +- 0.236  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	51828	3052	2875	2516	0	Pass
2	51956	2980	2906	2540	0	Pass
3	51730	2975	2898	2622	0	Pass
4	51691	3028	2879	2636	0	Pass
5	51329	2975	2854	2529	0	Pass
6	51800	3125	2903	2621	0	Pass
7	51477	2983	2743	2547	0	Pass
8	51809	2910	2870	2580	0	Pass
9	51161	2980	2818	2525	0	Pass
10	51378	3072	2831	2583	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	863.800	2.950	0.000	0.000	Pass
2	865.933	1.233	0.000	0.000	Pass
3	862.167	1.283	0.000	0.000	Pass
4	861.517	2.483	0.000	0.000	Pass
5	855.483	2.017	0.000	0.000	Pass
6	863.333	3.700	0.000	0.000	Pass
7	857.950	4.000	0.000	0.000	Pass
8	863.483	0.667	0.000	0.000	Pass
9	852.683	2.700	0.000	0.000	Pass
10	856.300	4.017	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 10:34:21  
 Results file name: 019K3421.VER  
 Inspection number:  
 Item id: BBS 202001  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60  
 Passive error messages  
 No known alpha calibration  
 Results  
 Singles: 2620.123 +- 1.825  
 Doubles: 27.208 +- 0.938  
 Triples: 0.000 +- 0.000  
 Scaler 1: 46.373 +- 0.256  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	156753	27626	26145	2821	0	Pass
2	157378	28094	26424	2816	0	Pass
3	157074	28161	26446	2831	0	Pass
4	157480	28066	26822	2785	0	Pass
5	157262	28225	26693	2704	0	Pass
6	157222	28042	26306	2721	0	Pass
7	157383	28216	26358	2801	0	Pass
8	156491	28060	26462	2838	0	Pass
9	157432	27968	26269	2779	0	Pass
10	157599	28223	26431	2728	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2612.550	24.683	0.000	0.000	Pass
2	2622.967	27.833	0.000	0.000	Pass
3	2617.900	28.583	0.000	0.000	Pass
4	2624.667	20.733	0.000	0.000	Pass
5	2621.033	25.533	0.000	0.000	Pass
6	2620.367	28.933	0.000	0.000	Pass
7	2623.050	30.967	0.000	0.000	Pass
8	2608.183	26.633	0.000	0.000	Pass
9	2623.867	28.317	0.000	0.000	Pass
10	2626.650	29.867	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 10:49:25  
 Results file name: 019K4925.VER  
 Inspection number:  
 Item id: BB6 202001  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60  
 Passive error messages  
 No known alpha calibration  
 Results  
 Singles: 33.582 +- 0.236  
 Doubles: 0.027 +- 0.018  
 Triples: 0.000 +- 0.000  
 Scaler 1: 2252.722 +- 2.418  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2004	9	5	135481	0	Pass
2	1987	2	2	134916	0	Pass
3	2084	1	2	135576	0	Pass
4	2037	9	1	135170	0	Pass
5	1980	4	7	135052	0	Pass
6	2023	4	4	135653	0	Pass
7	1935	4	5	135423	0	Pass
8	2016	9	4	135133	0	Pass
9	2079	8	4	134049	0	Pass
10	2004	3	3	135180	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	33.400	0.067	0.000	0.000	Pass
2	33.117	0.000	0.000	0.000	Pass
3	34.733	-0.017	0.000	0.000	Pass
4	33.950	0.133	0.000	0.000	Pass
5	33.000	-0.050	0.000	0.000	Pass
6	33.717	0.000	0.000	0.000	Pass
7	32.250	-0.017	0.000	0.000	Pass
8	33.600	0.083	0.000	0.000	Pass
9	34.650	0.067	0.000	0.000	Pass
10	33.400	0.000	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 11:05:29  
 Results file name: 019L0529.VER  
 Inspection number:  
 Item id: BB7 202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 30.263 +- 0.241  
 Doubles: -0.020 +- 0.016  
 Triples: 0.000 +- 0.000  
 Scaler 1: 773.075 +- 1.136  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	1866	1	2	46322	0	Pass
2	1866	2	9	46659	0	Pass
3	1827	0	2	46077	0	Pass
4	1808	4	4	46262	0	Pass
5	1810	5	2	46132	0	Pass
6	1861	1	4	46510	0	Pass
7	1753	4	4	46700	0	Pass
8	1791	5	2	46245	0	Pass
9	1736	4	7	46559	0	Pass
10	1840	2	4	46379	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	31.100	-0.017	0.000	0.000	Pass
2	31.100	-0.117	0.000	0.000	Pass
3	30.450	-0.033	0.000	0.000	Pass
4	30.133	0.000	0.000	0.000	Pass
5	30.167	0.050	0.000	0.000	Pass
6	31.017	-0.050	0.000	0.000	Pass
7	29.217	0.000	0.000	0.000	Pass
8	29.850	0.050	0.000	0.000	Pass
9	28.933	-0.050	0.000	0.000	Pass
10	30.667	-0.033	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 11:25:35  
 Results file name: 019L2535.VER  
 Inspection number:  
 Item id: BB8 202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 44.425 +- 0.235  
 Doubles: -0.007 +- 0.023  
 Triples: 0.000 +- 0.000  
 Scaler 1: 226.767 +- 0.752  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2667	9	10	13402	0	Pass
2	2665	6	8	13542	0	Pass
3	2608	6	10	13772	0	Pass
4	2657	3	9	13667	0	Pass
5	2711	9	10	13698	0	Pass
6	2708	11	7	13407	0	Pass
7	2665	12	4	13831	0	Pass
8	2639	4	9	13599	0	Pass
9	2597	9	8	13622	0	Pass
10	2738	9	7	13520	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	44.450	-0.017	0.000	0.000	Pass
2	44.417	-0.033	0.000	0.000	Pass
3	43.467	-0.067	0.000	0.000	Pass
4	44.283	-0.100	0.000	0.000	Pass
5	45.183	-0.017	0.000	0.000	Pass
6	45.133	0.067	0.000	0.000	Pass
7	44.417	0.133	0.000	0.000	Pass
8	43.983	-0.083	0.000	0.000	Pass
9	43.283	0.017	0.000	0.000	Pass
10	45.633	0.033	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 14:43:27  
 Results file name: 01904327.VER  
 Inspection number:  
 Item id: BB9 202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 147.742 +- 0.441  
 Doubles: -0.062 +- 0.070  
 Triples: 0.000 +- 0.000  
 Scaler 1: 93.453 +- 0.436  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	8762	82	95	5704	0	Pass
2	8897	75	89	5536	0	Pass
3	8927	82	74	5671	0	Pass
4	8759	76	85	5453	0	Pass
5	8865	95	81	5548	0	Pass
6	9032	98	99	5702	0	Pass
7	8873	75	99	5545	0	Pass
8	8897	80	63	5624	0	Pass
9	8853	68	80	5644	0	Pass
10	8780	77	80	5645	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	146.033	-0.217	0.000	0.000	Pass
2	148.283	-0.233	0.000	0.000	Pass
3	148.783	0.133	0.000	0.000	Pass
4	145.983	-0.150	0.000	0.000	Pass
5	147.750	0.233	0.000	0.000	Pass
6	150.533	-0.017	0.000	0.000	Pass
7	147.883	-0.400	0.000	0.000	Pass
8	148.283	0.283	0.000	0.000	Pass
9	147.550	-0.200	0.000	0.000	Pass
10	146.333	-0.050	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 14:59:31  
 Results file name: 01905931.VER  
 Inspection number:  
 Item id: BB10 202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 89.078 +- 0.270  
 Doubles: 0.035 +- 0.053  
 Triples: 0.000 +- 0.000  
 Scaler 1: 75.592 +- 0.296  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	5246	41	23	4558	0	Pass
2	5368	26	29	4549	0	Pass
3	5384	34	36	4491	0	Pass
4	5353	42	28	4438	0	Pass
5	5379	25	29	4539	0	Pass
6	5409	31	36	4656	0	Pass
7	5342	34	37	4529	0	Pass
8	5274	32	35	4513	0	Pass
9	5320	17	25	4565	0	Pass
10	5372	33	16	4517	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	87.433	0.300	0.000	0.000	Pass
2	89.467	-0.050	0.000	0.000	Pass
3	89.733	-0.033	0.000	0.000	Pass
4	89.217	0.233	0.000	0.000	Pass
5	89.650	-0.067	0.000	0.000	Pass
6	90.150	-0.083	0.000	0.000	Pass
7	89.033	-0.050	0.000	0.000	Pass
8	87.900	-0.050	0.000	0.000	Pass
9	88.667	-0.133	0.000	0.000	Pass
10	89.533	0.283	0.000	0.000	Pass

(2)



INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 09:27:09  
 Results file name: 019J2709.VER  
 Inspection number:  
 Item id: BC1 202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles:	1301.669 +-	1.595
Doubles:	6.734 +-	0.709
Triples:	0.000 +-	0.000
Scaler 1:	2505.897 +-	2.149
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	77853	6871	6565	150401	0	Pass
2	77941	7072	6412	149706	0	Pass
3	78288	6986	6502	150100	0	Pass
4	77788	6852	6559	150625	0	Pass
5	78741	7066	6661	150176	0	Pass
6	77870	6928	6429	150180	0	Pass
7	78377	6960	6511	150610	0	Pass
8	77923	6978	6518	149959	0	Pass
9	77917	6837	6572	151086	0	Pass
10	78140	6894	6678	150695	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1297.820	5.104	0.000	0.000	Pass
2	1299.288	11.009	0.000	0.000	Pass
3	1305.073	8.073	0.000	0.000	Pass
4	1296.736	4.887	0.000	0.000	Pass
5	1312.626	6.756	0.000	0.000	Pass
6	1298.104	8.324	0.000	0.000	Pass
7	1306.557	7.490	0.000	0.000	Pass
8	1298.987	7.673	0.000	0.000	Pass
9	1298.887	4.420	0.000	0.000	Pass
10	1302.606	3.603	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 09:45:14  
 Results file name: 019J4514.VER  
 Inspection number:  
 Item id: BC2 202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles:	3459.730 +-	1.662
Doubles:	52.702 +-	1.585
Triples:	0.000 +-	0.000
Scaler 1:	616.435 +-	0.794
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	207085	49158	46344	36748	0	Pass
2	207731	49400	46184	36963	0	Pass
3	207797	49621	46256	36987	0	Pass
4	207318	48874	45864	37012	0	Pass
5	207766	49088	45986	36742	0	Pass
6	207524	49387	45818	37234	0	Pass
7	207617	49119	46001	37008	0	Pass
8	207742	49081	46077	36990	0	Pass
9	207132	49684	46046	37132	0	Pass
10	206974	48621	45906	37045	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3453.330	47.004	0.000	0.000	Pass
2	3464.109	53.719	0.000	0.000	Pass
3	3465.210	56.208	0.000	0.000	Pass
4	3457.218	50.278	0.000	0.000	Pass
5	3464.692	51.815	0.000	0.000	Pass
6	3460.655	59.616	0.000	0.000	Pass
7	3462.206	52.082	0.000	0.000	Pass
8	3464.292	50.178	0.000	0.000	Pass
9	3454.114	60.768	0.000	0.000	Pass
10	3451.478	45.350	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 10:01:18  
 Results file name: 019K0118.VER  
 Inspection number:  
 Item id: BC3 202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 48225.849 +- 7.806  
 Doubles: 10428.265 +- 35.254  
 Triples: 0.000 +- 0.000  
 Scaler 1: 153.307 +- 0.633  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2870112	9397027	8784582	9222	0	Pass
2	2872774	9409505	8802213	9040	0	Pass
3	2871430	9397724	8793928	9085	0	Pass
4	2868932	9376689	8782179	9318	0	Pass
5	2872272	9411634	8797545	9042	0	Pass
6	2872545	9409188	8794632	9111	0	Pass
7	2872156	9408826	8798143	9361	0	Pass
8	2872503	9405624	8799734	9218	0	Pass
9	2869099	9382234	8781197	9291	0	Pass
10	2870637	9393589	8791636	9296	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	48206.653	10528.182	0.000	0.000	Pass
2	48251.713	10439.902	0.000	0.000	Pass
3	48228.963	10379.651	0.000	0.000	Pass
4	48186.679	10219.741	0.000	0.000	Pass
5	48243.216	10556.691	0.000	0.000	Pass
6	48247.837	10564.750	0.000	0.000	Pass
7	48241.252	10498.126	0.000	0.000	Pass
8	48247.126	10415.770	0.000	0.000	Pass
9	48189.506	10331.960	0.000	0.000	Pass
10	48215.540	10347.879	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 10:18:22  
 Results file name: 019K1822.VER  
 Inspection number:  
 Item id: BC4 202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 6195.523 +- 3.555  
 Doubles: 172.265 +- 2.941  
 Triples: 0.000 +- 0.000  
 Scaler 1: 52.763 +- 0.186  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	372086	157927	146644	3141	0	Pass
2	371378	157148	147466	3087	0	Pass
3	371984	158646	147859	3165	0	Pass
4	370881	156854	146677	3193	0	Pass
5	371461	157424	147080	3179	0	Pass
6	371873	157498	148196	3212	0	Pass
7	371454	157206	146807	3200	0	Pass
8	370223	156524	145868	3165	0	Pass
9	370346	156370	146268	3156	0	Pass
10	371934	158070	147853	3160	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6207.614	188.801	0.000	0.000	Pass
2	6195.791	162.010	0.000	0.000	Pass
3	6205.911	180.501	0.000	0.000	Pass
4	6187.491	170.292	0.000	0.000	Pass
5	6197.177	173.087	0.000	0.000	Pass
6	6204.057	155.652	0.000	0.000	Pass
7	6197.060	174.007	0.000	0.000	Pass
8	6176.502	178.306	0.000	0.000	Pass
9	6178.556	169.036	0.000	0.000	Pass
10	6205.076	170.963	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 10:34:26  
 Results file name: 019K3426.VER  
 Inspection number:  
 Item id: BCS 202001  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 2567.528 +- 1.984  
 Doubles: 27.931 +- 0.980  
 Triples: 0.000 +- 0.000  
 Scaler 1: 45.973 +- 0.245  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	153685	26892	24966	2749	0	Pass
2	154193	27043	25375	2737	0	Pass
3	154711	27158	25779	2753	0	Pass
4	154489	27090	25552	2849	0	Pass
5	153781	26966	25263	2765	0	Pass
6	153729	27040	25345	2721	0	Pass
7	153937	27111	25391	2762	0	Pass
8	153514	26716	25271	2814	0	Pass
9	153822	27123	25158	2754	0	Pass
10	154021	27058	25366	2680	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2562.470	32.153	0.000	0.000	Pass
2	2570.944	27.846	0.000	0.000	Pass
3	2579.584	23.021	0.000	0.000	Pass
4	2575.881	25.676	0.000	0.000	Pass
5	2564.071	28.430	0.000	0.000	Pass
6	2563.204	28.297	0.000	0.000	Pass
7	2566.674	28.714	0.000	0.000	Pass
8	2559.618	24.123	0.000	0.000	Pass
9	2564.755	32.804	0.000	0.000	Pass
10	2568.075	28.247	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 10:49:31  
 Results file name: 019K4931.VER  
 Inspection number:  
 Item id: BCG 202001  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 816.794 +- 0.915  
 Doubles: 2.700 +- 0.270  
 Triples: 0.000 +- 0.000  
 Scaler 1: 65.408 +- 0.213  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	48876	2782	2579	3848	0	Pass
2	49072	2640	2569	3884	0	Pass
3	49177	2805	2660	3960	0	Pass
4	48728	2743	2504	3922	0	Pass
5	49077	2713	2591	3932	0	Pass
6	49196	2850	2633	3904	0	Pass
7	48868	2722	2534	3953	0	Pass
8	48974	2727	2563	3991	0	Pass
9	48820	2692	2576	3914	0	Pass
10	49224	2748	2594	3937	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	814.707	3.385	0.000	0.000	Pass
2	817.974	1.184	0.000	0.000	Pass
3	819.724	2.418	0.000	0.000	Pass
4	812.239	3.985	0.000	0.000	Pass
5	818.057	2.034	0.000	0.000	Pass
6	820.041	3.619	0.000	0.000	Pass
7	814.573	3.135	0.000	0.000	Pass
8	816.340	2.735	0.000	0.000	Pass
9	813.773	1.934	0.000	0.000	Pass
10	820.508	2.568	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 11:05:35  
 Results file name: 019L0535.VER  
 Inspection number:  
 Item id: BC7 202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles:	997.615 +-	1.035
Doubles:	4.625 +-	0.455
Triples:	0.000 +-	0.000
Scaler 1:	107.667 +-	0.326
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	59602	4112	3805	6434	0	Pass
2	59853	4044	3836	6387	0	Pass
3	60087	4205	3956	6489	0	Pass
4	59632	4031	3928	6364	0	Pass
5	59775	4175	3735	6489	0	Pass
6	59746	4109	3838	6583	0	Pass
7	59883	4121	3855	6444	0	Pass
8	59724	4090	3777	6502	0	Pass
9	60222	4159	3863	6441	0	Pass
10	59949	4078	3758	6467	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	993.525	5.120	0.000	0.000	Pass
2	997.710	3.469	0.000	0.000	Pass
3	1001.611	4.153	0.000	0.000	Pass
4	994.025	1.718	0.000	0.000	Pass
5	996.409	7.338	0.000	0.000	Pass
6	995.926	4.520	0.000	0.000	Pass
7	998.210	4.436	0.000	0.000	Pass
8	995.559	5.220	0.000	0.000	Pass
9	1003.862	4.937	0.000	0.000	Pass
10	999.310	5.337	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 11:35:43  
 Results file name: 019L3543.VER  
 Inspection number:  
 Item id: BC8 202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles:	580.886 +-	0.797
Doubles:	1.087 +-	0.289
Triples:	0.000 +-	0.000
Scaler 1:	42.250 +-	0.165
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	34868	1397	1291	2551	0	Pass
2	34789	1367	1318	2524	0	Pass
3	34727	1410	1301	2525	0	Pass
4	34576	1321	1356	2497	0	Pass
5	34905	1387	1228	2577	0	Pass
6	35004	1317	1308	2554	0	Pass
7	35009	1405	1329	2529	0	Pass
8	35059	1325	1241	2558	0	Pass
9	34838	1324	1270	2560	0	Pass
10	34724	1349	1308	2475	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	581.188	1.767	0.000	0.000	Pass
2	579.871	0.817	0.000	0.000	Pass
3	578.837	1.817	0.000	0.000	Pass
4	576.320	-0.584	0.000	0.000	Pass
5	581.804	2.651	0.000	0.000	Pass
6	583.455	0.150	0.000	0.000	Pass
7	583.538	1.267	0.000	0.000	Pass
8	584.371	1.401	0.000	0.000	Pass
9	580.687	0.900	0.000	0.000	Pass
10	578.787	0.684	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 14:43:32  
 Results file name: 01904332.VER  
 Inspection number:  
 Item id: BC9 202001  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 1116.563 +- 0.915  
 Doubles: 5.621 +- 0.456  
 Triples: 0.000 +- 0.000  
 Scaler 1: 29.452 +- 0.192  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	67180	5056	4776	1802	0	Pass
2	66862	5112	4707	1811	0	Pass
3	66872	5143	4791	1822	0	Pass
4	67044	5089	4757	1757	0	Pass
5	67156	5211	4752	1771	0	Pass
6	67226	5072	4817	1764	0	Pass
7	67063	5079	4744	1720	0	Pass
8	66847	5053	4859	1725	0	Pass
9	66718	5021	4724	1773	0	Pass
10	66850	5124	4663	1726	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1119.868	4.670	0.000	0.000	Pass
2	1114.566	6.755	0.000	0.000	Pass
3	1114.733	5.871	0.000	0.000	Pass
4	1117.600	5.537	0.000	0.000	Pass
5	1119.468	7.655	0.000	0.000	Pass
6	1120.635	4.253	0.000	0.000	Pass
7	1117.917	5.587	0.000	0.000	Pass
8	1114.316	3.236	0.000	0.000	Pass
9	1112.165	4.954	0.000	0.000	Pass
10	1114.366	7.689	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 14:59:36  
 Results file name: 01905936.VER  
 Inspection number:  
 Item id: BC10 202001  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 1092.075 +- 0.935  
 Doubles: 5.460 +- 0.607  
 Triples: 0.000 +- 0.000  
 Scaler 1: 32.927 +- 0.216  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	65695	5004	4591	1926	0	Pass
2	65820	4846	4738	2014	0	Pass
3	65546	4888	4532	2033	0	Pass
4	65407	4871	4537	1944	0	Pass
5	65387	4894	4500	1971	0	Pass
6	65304	4852	4612	2031	0	Pass
7	65302	4987	4567	1999	0	Pass
8	65429	4929	4425	1939	0	Pass
9	65552	4890	4639	1932	0	Pass
10	65688	4904	4650	1967	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1095.109	6.888	0.000	0.000	Pass
2	1097.193	1.801	0.000	0.000	Pass
3	1092.625	5.937	0.000	0.000	Pass
4	1090.307	5.571	0.000	0.000	Pass
5	1089.974	6.571	0.000	0.000	Pass
6	1088.590	4.003	0.000	0.000	Pass
7	1088.557	7.005	0.000	0.000	Pass
8	1090.674	8.406	0.000	0.000	Pass
9	1092.725	4.186	0.000	0.000	Pass
10	1094.992	4.236	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 09:27:09  
 Results file name: 019J2709.VER  
 Inspection number:  
 Item id: BT1 202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 1301.397 +- 1.594  
 Doubles: 6.728 +- 0.709  
 Triples: 0.000 +- 0.000  
 Scaler 1: 2505.897 +- 2.149  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	77853	6871	6565	150401	0	Pass
2	77941	7072	6412	149706	0	Pass
3	78288	6986	6502	150100	0	Pass
4	77788	6852	6559	150625	0	Pass
5	78741	7066	6661	150176	0	Pass
6	77870	6928	6429	150180	0	Pass
7	78377	6960	6511	150610	0	Pass
8	77923	6978	6518	149959	0	Pass
9	77917	6837	6572	151086	0	Pass
10	78140	6894	6678	150695	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1297.550	5.100	0.000	0.000	Pass
2	1299.017	11.000	0.000	0.000	Pass
3	1304.800	8.067	0.000	0.000	Pass
4	1296.467	4.883	0.000	0.000	Pass
5	1312.350	6.750	0.000	0.000	Pass
6	1297.833	8.317	0.000	0.000	Pass
7	1306.283	7.483	0.000	0.000	Pass
8	1298.717	7.667	0.000	0.000	Pass
9	1298.617	4.417	0.000	0.000	Pass
10	1302.333	3.600	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 09:45:14  
 Results file name: 019J4514.VER  
 Inspection number:  
 Item id: BT2 202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 3457.810 +- 1.660  
 Doubles: 52.585 +- 1.582  
 Triples: 0.000 +- 0.000  
 Scaler 1: 616.435 +- 0.794  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	207085	49158	46344	36748	0	Pass
2	207731	49400	46184	36963	0	Pass
3	207797	49621	46256	36987	0	Pass
4	207318	48874	45864	37012	0	Pass
5	207766	49088	45986	36742	0	Pass
6	207524	49387	45818	37234	0	Pass
7	207617	49119	46001	37008	0	Pass
8	207742	49081	46077	36990	0	Pass
9	207132	49684	46046	37132	0	Pass
10	206974	48621	45906	37045	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3451.417	46.900	0.000	0.000	Pass
2	3462.183	53.600	0.000	0.000	Pass
3	3463.283	56.083	0.000	0.000	Pass
4	3455.300	50.167	0.000	0.000	Pass
5	3462.767	51.700	0.000	0.000	Pass
6	3458.733	59.483	0.000	0.000	Pass
7	3460.283	51.967	0.000	0.000	Pass
8	3462.367	50.067	0.000	0.000	Pass
9	3452.200	60.633	0.000	0.000	Pass
10	3449.567	45.250	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 10:01:18  
 Results file name: 019K0118.VER  
 Inspection number:  
 Item id: BT3 202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 47854.100 +- 7.686  
 Doubles: 10110.418 +- 34.146  
 Triples: 0.000 +- 0.000  
 Scaler 1: 153.307 +- 0.633  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2870112	9397027	8784582	9222	0	Pass
2	2872774	9409505	8802213	9040	0	Pass
3	2871430	9397724	8793928	9085	0	Pass
4	2868932	9376689	8782179	9318	0	Pass
5	2872272	9411634	8797545	9042	0	Pass
6	2872545	9409188	8794632	9111	0	Pass
7	2872156	9408826	8798143	9361	0	Pass
8	2872503	9405624	8799734	9218	0	Pass
9	2869099	9382234	8781197	9291	0	Pass
10	2870637	9393589	8791636	9296	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	47835.200	10207.417	0.000	0.000	Pass
2	47879.567	10121.533	0.000	0.000	Pass
3	47857.167	10063.267	0.000	0.000	Pass
4	47815.533	9908.500	0.000	0.000	Pass
5	47871.200	10234.817	0.000	0.000	Pass
6	47875.750	10242.600	0.000	0.000	Pass
7	47869.267	10178.050	0.000	0.000	Pass
8	47875.050	10098.167	0.000	0.000	Pass
9	47818.317	10017.283	0.000	0.000	Pass
10	47843.950	10032.550	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 10:18:22  
 Results file name: 019K1822.VER  
 Inspection number:  
 Item id: BT4 202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 6189.367 +- 3.548  
 Doubles: 171.582 +- 2.930  
 Triples: 0.000 +- 0.000  
 Scaler 1: 52.763 +- 0.186  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	372086	157927	146644	3141	0	Pass
2	371378	157148	147466	3087	0	Pass
3	371984	158646	147859	3165	0	Pass
4	370881	156854	146677	3193	0	Pass
5	371461	157424	147080	3179	0	Pass
6	371873	157498	148196	3212	0	Pass
7	371454	157206	146807	3200	0	Pass
8	370223	156524	145868	3165	0	Pass
9	370346	156370	146268	3156	0	Pass
10	371934	158070	147853	3160	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6201.433	188.050	0.000	0.000	Pass
2	6189.633	161.367	0.000	0.000	Pass
3	6199.733	179.783	0.000	0.000	Pass
4	6181.350	169.617	0.000	0.000	Pass
5	6191.017	172.400	0.000	0.000	Pass
6	6197.883	155.033	0.000	0.000	Pass
7	6190.900	173.317	0.000	0.000	Pass
8	6170.383	177.600	0.000	0.000	Pass
9	6172.433	168.367	0.000	0.000	Pass
10	6198.900	170.283	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 10:34:26  
 Results file name: 019K3426.VER  
 Inspection number:  
 Item id: BT5 202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles:	2566.470 +-	1.982
Doubles:	27.885 +-	0.978
Triples:	0.000 +-	0.000
Scaler 1:	45.973 +-	0.245
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	153685	26892	24966	2749	0	Pass
2	154193	27043	25375	2737	0	Pass
3	154711	27158	25779	2753	0	Pass
4	154489	27090	25552	2849	0	Pass
5	153781	26966	25263	2765	0	Pass
6	153729	27040	25345	2721	0	Pass
7	153937	27111	25391	2762	0	Pass
8	153514	26716	25271	2814	0	Pass
9	153822	27123	25158	2754	0	Pass
10	154021	27058	25366	2680	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2561.417	32.100	0.000	0.000	Pass
2	2569.883	27.800	0.000	0.000	Pass
3	2578.517	22.983	0.000	0.000	Pass
4	2574.817	25.633	0.000	0.000	Pass
5	2563.017	28.383	0.000	0.000	Pass
6	2562.150	28.250	0.000	0.000	Pass
7	2565.617	28.667	0.000	0.000	Pass
8	2558.567	24.083	0.000	0.000	Pass
9	2563.700	32.750	0.000	0.000	Pass
10	2567.017	28.200	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 10:49:31  
 Results file name: 019K4931.VER  
 Inspection number:  
 Item id: BT6 202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles:	816.687 +-	0.914
Doubles:	2.698 +-	0.270
Triples:	0.000 +-	0.000
Scaler 1:	65.408 +-	0.213
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	48876	2782	2579	3848	0	Pass
2	49072	2640	2569	3884	0	Pass
3	49177	2805	2660	3960	0	Pass
4	48728	2743	2504	3922	0	Pass
5	49077	2713	2591	3932	0	Pass
6	49196	2850	2633	3904	0	Pass
7	48868	2722	2534	3953	0	Pass
8	48974	2727	2563	3991	0	Pass
9	48820	2692	2576	3914	0	Pass
10	49224	2748	2594	3937	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	814.600	3.383	0.000	0.000	Pass
2	817.867	1.183	0.000	0.000	Pass
3	819.617	2.417	0.000	0.000	Pass
4	812.133	3.983	0.000	0.000	Pass
5	817.950	2.033	0.000	0.000	Pass
6	819.933	3.617	0.000	0.000	Pass
7	814.467	3.133	0.000	0.000	Pass
8	816.233	2.733	0.000	0.000	Pass
9	813.667	1.933	0.000	0.000	Pass
10	820.400	2.567	0.000	0.000	Pass

(2)



INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 11:05:35  
 Results file name: 019L0535.VER  
 Inspection number:  
 Item id: BT7 202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles:	997.455 +-	1.034
Doubles:	4.622 +-	0.455
Triples:	0.000 +-	0.000
Scaler 1:	107.667 +-	0.326
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	59602	4112	3805	6434	0	Pass
2	59853	4044	3836	6387	0	Pass
3	60087	4205	3956	6489	0	Pass
4	59632	4031	3928	6364	0	Pass
5	59775	4175	3735	6489	0	Pass
6	59746	4109	3838	6583	0	Pass
7	59883	4121	3855	6444	0	Pass
8	59724	4090	3777	6502	0	Pass
9	60222	4159	3863	6441	0	Pass
10	59949	4078	3758	6467	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	993.367	5.117	0.000	0.000	Pass
2	997.550	3.467	0.000	0.000	Pass
3	1001.450	4.150	0.000	0.000	Pass
4	993.867	1.717	0.000	0.000	Pass
5	996.250	7.333	0.000	0.000	Pass
6	995.767	4.517	0.000	0.000	Pass
7	998.050	4.433	0.000	0.000	Pass
8	995.400	5.217	0.000	0.000	Pass
9	1003.700	4.933	0.000	0.000	Pass
10	999.150	5.333	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 11:35:43  
 Results file name: 019L3543.VER  
 Inspection number:  
 Item id: BT8 202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles:	580.832 +-	0.797
Doubles:	1.087 +-	0.289
Triples:	0.000 +-	0.000
Scaler 1:	42.250 +-	0.165
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	34868	1397	1291	2551	0	Pass
2	34789	1367	1318	2524	0	Pass
3	34727	1410	1301	2525	0	Pass
4	34576	1321	1356	2497	0	Pass
5	34905	1387	1228	2577	0	Pass
6	35004	1317	1308	2554	0	Pass
7	35009	1405	1329	2529	0	Pass
8	35059	1325	1241	2558	0	Pass
9	34838	1324	1270	2560	0	Pass
10	34724	1349	1308	2475	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	581.133	1.767	0.000	0.000	Pass
2	579.817	0.817	0.000	0.000	Pass
3	578.783	1.817	0.000	0.000	Pass
4	576.267	-0.583	0.000	0.000	Pass
5	581.750	2.650	0.000	0.000	Pass
6	583.400	0.150	0.000	0.000	Pass
7	583.483	1.267	0.000	0.000	Pass
8	584.317	1.400	0.000	0.000	Pass
9	580.633	0.900	0.000	0.000	Pass
10	578.733	0.683	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 14:43:32  
 Results file name: 01904332.VER  
 Inspection number:  
 Item id: BT9 202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles:	1116.363 +-	0.915
Doubles:	5.617 +-	0.455
Triples:	0.000 +-	0.000
Scaler 1:	29.452 +-	0.192
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	67180	5056	4776	1802	0	Pass
2	66862	5112	4707	1811	0	Pass
3	66872	5143	4791	1822	0	Pass
4	67044	5089	4757	1757	0	Pass
5	67156	5211	4752	1771	0	Pass
6	67226	5072	4817	1764	0	Pass
7	67063	5079	4744	1720	0	Pass
8	66847	5053	4859	1725	0	Pass
9	66718	5021	4724	1773	0	Pass
10	66850	5124	4663	1726	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1119.667	4.667	0.000	0.000	Pass
2	1114.367	6.750	0.000	0.000	Pass
3	1114.533	5.867	0.000	0.000	Pass
4	1117.400	5.533	0.000	0.000	Pass
5	1119.267	7.650	0.000	0.000	Pass
6	1120.433	4.250	0.000	0.000	Pass
7	1117.717	5.583	0.000	0.000	Pass
8	1114.117	3.233	0.000	0.000	Pass
9	1111.967	4.950	0.000	0.000	Pass
10	1114.167	7.683	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: XXXX  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 14:59:36  
 Results file name: 01905936.VER  
 Inspection number:  
 Item id: BT10 202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles:	1091.883 +-	0.935
Doubles:	5.457 +-	0.607
Triples:	0.000 +-	0.000
Scaler 1:	32.927 +-	0.216
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	65695	5004	4591	1926	0	Pass
2	65820	4846	4738	2014	0	Pass
3	65546	4888	4532	2033	0	Pass
4	65407	4871	4537	1944	0	Pass
5	65387	4894	4500	1971	0	Pass
6	65304	4852	4612	2031	0	Pass
7	65302	4987	4567	1999	0	Pass
8	65429	4929	4425	1939	0	Pass
9	65552	4890	4639	1932	0	Pass
10	65688	4904	4650	1967	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1094.917	6.883	0.000	0.000	Pass
2	1097.000	1.800	0.000	0.000	Pass
3	1092.433	5.933	0.000	0.000	Pass
4	1090.117	5.567	0.000	0.000	Pass
5	1089.783	6.567	0.000	0.000	Pass
6	1088.400	4.000	0.000	0.000	Pass
7	1088.367	7.000	0.000	0.000	Pass
8	1090.483	8.400	0.000	0.000	Pass
9	1092.533	4.183	0.000	0.000	Pass
10	1094.800	4.233	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 09:27:08  
 Results file name: 019J2708.VER  
 Inspection number:  
 Item id: PB1 202001  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 1042.900 +- 1.337  
 Doubles: 3.762 +- 0.568  
 Triples: 0.000 +- 0.000  
 Scaler 1: 50.145 +- 0.324  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	62622	4419	4213	3059	0	Pass
2	62710	4404	4244	3040	0	Pass
3	62784	4354	4269	3043	0	Pass
4	62113	4352	4078	2955	0	Pass
5	62422	4444	4178	3085	0	Pass
6	62863	4485	4151	3042	0	Pass
7	62313	4349	4137	2881	0	Pass
8	62603	4403	4367	2987	0	Pass
9	62417	4551	4185	3033	0	Pass
10	62893	4585	4267	2962	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1043.700	3.433	0.000	0.000	Pass
2	1045.167	2.667	0.000	0.000	Pass
3	1046.400	1.417	0.000	0.000	Pass
4	1035.217	4.567	0.000	0.000	Pass
5	1040.367	4.433	0.000	0.000	Pass
6	1047.717	5.567	0.000	0.000	Pass
7	1038.550	3.533	0.000	0.000	Pass
8	1043.383	0.600	0.000	0.000	Pass
9	1040.283	6.100	0.000	0.000	Pass
10	1048.217	5.300	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 09:45:13  
 Results file name: 019J4513.VER  
 Inspection number:  
 Item id: PB2 202001  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 1277.890 +- 1.349  
 Doubles: 6.950 +- 0.665  
 Triples: 0.000 +- 0.000  
 Scaler 1: 43.497 +- 0.150  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	76644	6694	6227	2635	0	Pass
2	76278	6570	6229	2640	0	Pass
3	76655	6748	6122	2590	0	Pass
4	76410	6615	6308	2580	0	Pass
5	77111	6563	6268	2652	0	Pass
6	76931	6808	6404	2606	0	Pass
7	76753	6611	6182	2578	0	Pass
8	76902	6777	6270	2615	0	Pass
9	76561	6763	6200	2608	0	Pass
10	76489	6681	6450	2614	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1277.400	7.783	0.000	0.000	Pass
2	1271.300	5.683	0.000	0.000	Pass
3	1277.583	10.433	0.000	0.000	Pass
4	1273.500	5.117	0.000	0.000	Pass
5	1285.183	4.917	0.000	0.000	Pass
6	1282.183	6.733	0.000	0.000	Pass
7	1279.217	7.150	0.000	0.000	Pass
8	1281.700	8.450	0.000	0.000	Pass
9	1276.017	9.383	0.000	0.000	Pass
10	1274.817	3.850	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 10:01:17  
 Results file name: 019K0117.VER  
 Inspection number:  
 Item id: PB3 202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 693.860 +- 0.970  
 Doubles: 1.648 +- 0.288  
 Triples: 0.000 +- 0.000  
 Scaler 1: 56.128 +- 0.247  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	41572	1927	1835	3322	0	Pass
2	41536	1961	1846	3316	0	Pass
3	41558	1963	1887	3366	0	Pass
4	41270	1941	1811	3463	0	Pass
5	41714	1962	1827	3357	0	Pass
6	41651	2011	1813	3350	0	Pass
7	41779	1965	1973	3380	0	Pass
8	41917	1945	1879	3316	0	Pass
9	41511	1986	1867	3410	0	Pass
10	41808	1910	1844	3397	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	692.867	1.533	0.000	0.000	Pass
2	692.267	1.917	0.000	0.000	Pass
3	692.633	1.267	0.000	0.000	Pass
4	687.833	2.167	0.000	0.000	Pass
5	695.233	2.250	0.000	0.000	Pass
6	694.183	3.300	0.000	0.000	Pass
7	696.317	-0.133	0.000	0.000	Pass
8	698.617	1.100	0.000	0.000	Pass
9	691.850	1.983	0.000	0.000	Pass
10	696.800	1.100	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 10:18:21  
 Results file name: 019K1821.VER  
 Inspection number:  
 Item id: PB4 202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 1454.970 +- 1.295  
 Doubles: 9.388 +- 0.700  
 Triples: 0.000 +- 0.000  
 Scaler 1: 240.067 +- 0.923  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	87122	8601	8105	14459	0	Pass
2	87188	8793	8085	14193	0	Pass
3	87575	8816	8084	14345	0	Pass
4	87776	8737	8265	14115	0	Pass
5	86947	8578	8097	14261	0	Pass
6	87489	8726	8117	14501	0	Pass
7	87287	8609	8032	14656	0	Pass
8	87246	8536	8228	14417	0	Pass
9	87212	8729	8019	14486	0	Pass
10	87140	8687	8147	14607	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1452.033	8.267	0.000	0.000	Pass
2	1453.133	11.800	0.000	0.000	Pass
3	1459.583	12.200	0.000	0.000	Pass
4	1462.933	7.867	0.000	0.000	Pass
5	1449.117	8.017	0.000	0.000	Pass
6	1458.150	10.150	0.000	0.000	Pass
7	1454.783	9.617	0.000	0.000	Pass
8	1454.100	5.133	0.000	0.000	Pass
9	1453.533	11.833	0.000	0.000	Pass
10	1452.333	9.000	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 10:34:26  
 Results file name: 019K3426.VER  
 Inspection number:  
 Item id: PBS 202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 1302.833 +- 1.168  
 Doubles: 7.240 +- 0.541  
 Triples: 0.000 +- 0.000  
 Scaler 1: 129.382 +- 0.629  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	78362	6905	6610	7784	0	Pass
2	78419	6883	6529	7563	0	Pass
3	78073	7105	6461	7736	0	Pass
4	78413	6944	6528	7769	0	Pass
5	78015	6928	6468	7846	0	Pass
6	78480	6904	6438	7720	0	Pass
7	77993	6938	6596	7871	0	Pass
8	78064	6887	6475	7987	0	Pass
9	77997	7064	6515	7651	0	Pass
10	77884	6785	6379	7702	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1306.033	4.917	0.000	0.000	Pass
2	1306.983	5.900	0.000	0.000	Pass
3	1301.217	10.733	0.000	0.000	Pass
4	1306.883	6.933	0.000	0.000	Pass
5	1300.250	7.667	0.000	0.000	Pass
6	1308.000	7.767	0.000	0.000	Pass
7	1299.883	5.700	0.000	0.000	Pass
8	1301.067	6.867	0.000	0.000	Pass
9	1299.950	9.150	0.000	0.000	Pass
10	1298.067	6.767	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 10:49:30  
 Results file name: 019K4930.VER  
 Inspection number:  
 Item id: PB6 202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 1757.607 +- 2.242  
 Doubles: 11.463 +- 0.575  
 Triples: 0.000 +- 0.000  
 Scaler 1: 65.443 +- 0.521  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	105064	12586	11972	3934	0	Pass
2	105542	12804	11957	4093	0	Pass
3	105824	12762	12013	3933	0	Pass
4	106155	12685	12062	3759	0	Pass
5	105652	12592	12069	3958	0	Pass
6	104609	12425	11558	3874	0	Pass
7	105391	12485	11819	4074	0	Pass
8	105488	12567	11970	3884	0	Pass
9	105220	12464	11755	3890	0	Pass
10	105619	12622	11939	3867	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1751.067	10.233	0.000	0.000	Pass
2	1759.033	14.117	0.000	0.000	Pass
3	1763.733	12.483	0.000	0.000	Pass
4	1769.250	10.383	0.000	0.000	Pass
5	1760.867	8.717	0.000	0.000	Pass
6	1743.483	14.450	0.000	0.000	Pass
7	1756.517	11.100	0.000	0.000	Pass
8	1758.133	9.950	0.000	0.000	Pass
9	1753.667	11.817	0.000	0.000	Pass
10	1760.317	11.383	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 11:05:34  
 Results file name: 019L0534.VER  
 Inspection number:  
 Item id: PB7 202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 4516.890 +- 2.586  
 Doubles: 90.365 +- 3.105  
 Triples: 0.000 +- 0.000  
 Scaler 1: 103.180 +- 0.317  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	270816	84262	77553	6297	0	Pass
2	271728	83611	78682	6210	0	Pass
3	271588	84135	78816	6188	0	Pass
4	271402	84595	78546	6185	0	Pass
5	271241	83457	78405	6181	0	Pass
6	270901	83681	78540	6166	0	Pass
7	270427	82627	77905	6242	0	Pass
8	271185	83890	78317	6234	0	Pass
9	270442	83507	77939	6105	0	Pass
10	270404	83030	77873	6100	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	4513.600	111.817	0.000	0.000	Pass
2	4528.800	82.150	0.000	0.000	Pass
3	4526.467	88.650	0.000	0.000	Pass
4	4523.367	100.817	0.000	0.000	Pass
5	4520.683	84.200	0.000	0.000	Pass
6	4515.017	85.683	0.000	0.000	Pass
7	4507.117	78.700	0.000	0.000	Pass
8	4519.750	92.883	0.000	0.000	Pass
9	4507.367	92.800	0.000	0.000	Pass
10	4506.733	85.950	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 11:25:40  
 Results file name: 019L2540.VER  
 Inspection number:  
 Item id: PB8 202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 39212.138 +- 5.582  
 Doubles: 6620.438 +- 19.379  
 Triples: 0.000 +- 0.000  
 Scaler 1: 317.437 +- 0.718  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2351513	6289056	5900177	19215	0	Pass
2	2353930	6307615	5909294	19092	0	Pass
3	2351492	6295816	5900665	19102	0	Pass
4	2352265	6299675	5904415	18836	0	Pass
5	2353443	6305018	5904228	19135	0	Pass
6	2353841	6310742	5913353	18850	0	Pass
7	2352046	6305306	5903527	18886	0	Pass
8	2352302	6301815	5905586	19153	0	Pass
9	2354353	6309440	5910460	19112	0	Pass
10	2352098	6303199	5903714	19081	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	39191.883	6481.317	0.000	0.000	Pass
2	39232.167	6638.683	0.000	0.000	Pass
3	39191.533	6585.850	0.000	0.000	Pass
4	39204.417	6587.667	0.000	0.000	Pass
5	39224.050	6679.833	0.000	0.000	Pass
6	39230.683	6623.150	0.000	0.000	Pass
7	39200.767	6696.317	0.000	0.000	Pass
8	39205.033	6603.817	0.000	0.000	Pass
9	39239.217	6649.667	0.000	0.000	Pass
10	39201.633	6658.083	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 14:43:32  
 Results file name: 01904332.VER  
 Inspection number:  
 Item id: PB9 202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 7503.955 +- 3.110  
 Doubles: 247.502 +- 5.196  
 Triples: 0.000 +- 0.000  
 Scaler 1: 1061.165 +- 1.668  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	450758	231968	216800	63894	0	Pass
2	449443	229370	214565	63731	0	Pass
3	451253	232606	216184	63316	0	Pass
4	450358	230488	216765	63720	0	Pass
5	450892	230637	216393	64260	0	Pass
6	449628	229993	215232	63650	0	Pass
7	449721	231050	215820	63541	0	Pass
8	450053	230192	216914	63375	0	Pass
9	450312	231800	217148	63246	0	Pass
10	449955	231186	214968	63966	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7512.633	252.800	0.000	0.000	Pass
2	7490.717	246.750	0.000	0.000	Pass
3	7520.883	273.700	0.000	0.000	Pass
4	7505.967	228.717	0.000	0.000	Pass
5	7514.867	237.400	0.000	0.000	Pass
6	7493.800	246.017	0.000	0.000	Pass
7	7495.350	253.833	0.000	0.000	Pass
8	7500.883	221.300	0.000	0.000	Pass
9	7505.200	244.200	0.000	0.000	Pass
10	7499.250	270.300	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 14:59:37  
 Results file name: 01905937.VER  
 Inspection number:  
 Item id: PB10 202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 3179.598 +- 2.941  
 Doubles: 42.353 +- 1.605  
 Triples: 0.000 +- 0.000  
 Scaler 1: 2415.502 +- 1.997  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	190266	41093	38443	144466	0	Pass
2	190539	41247	38873	144524	0	Pass
3	190689	41404	38464	144596	0	Pass
4	190099	40944	38472	144629	0	Pass
5	191146	41486	39343	145405	0	Pass
6	190973	41815	39008	145112	0	Pass
7	191926	42133	39385	144847	0	Pass
8	191051	41928	39157	145098	0	Pass
9	190129	41045	39057	145623	0	Pass
10	190941	41320	38801	144801	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3171.100	44.167	0.000	0.000	Pass
2	3175.650	39.567	0.000	0.000	Pass
3	3178.150	49.000	0.000	0.000	Pass
4	3168.317	41.200	0.000	0.000	Pass
5	3185.767	35.717	0.000	0.000	Pass
6	3182.883	46.783	0.000	0.000	Pass
7	3198.767	45.800	0.000	0.000	Pass
8	3184.183	46.183	0.000	0.000	Pass
9	3168.817	33.133	0.000	0.000	Pass
10	3182.350	41.983	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR\_03
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 20.01.09 09:27:08
Results file name: 019J2708.VER
Inspection number:
Item id: PC1 202001
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 20.01.09
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 20.01.09

Pre-delay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.1620
Multiplicity deadtime: 86.5000
Coefficient A deadtime: 0.3457
Coefficient B deadtime: 0.0299
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Passive error messages

No passive calibration curve calibration
No known alpha calibration

Results

Singles: 1042.994 +- 1.338
Doubles: 3.763 +- 0.568
Triples: 0.000 +- 0.000
Scaler 1: 50.145 +- 0.324
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Passive cycle rate data

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-10 showing cycle rate data.

(2)

INCC 5.1.2

Facility: JMOX
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR\_03
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 20.01.09 09:45:13
Results file name: 019J4513.VER
Inspection number:
Item id: PC2 202001
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 20.01.09
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 20.01.09

Pre-delay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.1620
Multiplicity deadtime: 86.5000
Coefficient A deadtime: 0.3457
Coefficient B deadtime: 0.0299
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Passive error messages

No passive calibration curve calibration
No known alpha calibration

Results

Singles: 1278.031 +- 1.350
Doubles: 6.953 +- 0.665
Triples: 0.000 +- 0.000
Scaler 1: 43.497 +- 0.150
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Passive cycle rate data

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-10 showing cycle rate data.

(2)



INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 10:01:17  
 Results file name: 019K0117.VER  
 Inspection number:  
 Item id: PC3 202001  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09

Pre-delay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3457  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 693.902 +- 0.970  
 Doubles: 1.649 +- 0.288  
 Triples: 0.000 +- 0.000  
 Scaler 1: 56.128 +- 0.247  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	41572	1927	1835	3322	0	Pass
2	41536	1961	1846	3316	0	Pass
3	41558	1963	1887	3366	0	Pass
4	41270	1941	1811	3463	0	Pass
5	41714	1962	1827	3357	0	Pass
6	41651	2011	1813	3350	0	Pass
7	41779	1965	1973	3380	0	Pass
8	41917	1945	1879	3316	0	Pass
9	41511	1986	1867	3410	0	Pass
10	41808	1910	1844	3397	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	692.908	1.534	0.000	0.000	Pass
2	692.308	1.917	0.000	0.000	Pass
3	692.675	1.267	0.000	0.000	Pass
4	687.874	2.167	0.000	0.000	Pass
5	695.275	2.251	0.000	0.000	Pass
6	694.225	3.301	0.000	0.000	Pass
7	696.359	-0.133	0.000	0.000	Pass
8	698.659	1.100	0.000	0.000	Pass
9	691.891	1.984	0.000	0.000	Pass
10	696.842	1.100	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 10:18:21  
 Results file name: 019K1821.VER  
 Inspection number:  
 Item id: PC4 202001  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09

Pre-delay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3457  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 1455.153 +- 1.295  
 Doubles: 9.393 +- 0.700  
 Triples: 0.000 +- 0.000  
 Scaler 1: 240.067 +- 0.923  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	87122	8601	8105	14459	0	Pass
2	87188	8793	8085	14193	0	Pass
3	87575	8816	8084	14345	0	Pass
4	87776	8737	8265	14115	0	Pass
5	86947	8578	8097	14261	0	Pass
6	87489	8726	8117	14501	0	Pass
7	87287	8609	8032	14656	0	Pass
8	87246	8536	8228	14417	0	Pass
9	87212	8729	8019	14486	0	Pass
10	87140	8687	8147	14607	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1452.216	8.271	0.000	0.000	Pass
2	1453.316	11.806	0.000	0.000	Pass
3	1459.767	12.206	0.000	0.000	Pass
4	1463.118	7.871	0.000	0.000	Pass
5	1449.298	8.021	0.000	0.000	Pass
6	1458.334	10.155	0.000	0.000	Pass
7	1454.966	9.622	0.000	0.000	Pass
8	1454.283	5.136	0.000	0.000	Pass
9	1453.716	11.839	0.000	0.000	Pass
10	1452.516	9.005	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR\_03
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 20.01.09 10:34:26
Results file name: 019K3426.VER
Inspection number:
Item id: PCS 202001
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 20.01.09
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 20.01.09

Pre-delay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.1620
Multiplicity deadtime: 86.5000
Coefficient A deadtime: 0.3457
Coefficient B deadtime: 0.0299
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Passive error messages

No passive calibration curve calibration
No known alpha calibration

Results

Singles: 1302.980 +- 1.168
Doubles: 7.243 +- 0.541
Triples: 0.000 +- 0.000
Scaler 1: 129.382 +- 0.629
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Passive cycle rate data

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-10 showing cycle rate data.

(2)

INCC 5.1.2

Facility: JMOX
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR\_03
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 20.01.09 10:49:30
Results file name: 019K4930.VER
Inspection number:
Item id: PC6 202001
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 20.01.09
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 20.01.09

Pre-delay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.1620
Multiplicity deadtime: 86.5000
Coefficient A deadtime: 0.3457
Coefficient B deadtime: 0.0299
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Passive error messages

No passive calibration curve calibration
No known alpha calibration

Results

Singles: 1757.874 +- 2.243
Doubles: 11.470 +- 0.576
Triples: 0.000 +- 0.000
Scaler 1: 65.443 +- 0.521
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Passive cycle rate data

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-10 showing cycle rate data.

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 11:05:34  
 Results file name: 019L0534.VER  
 Inspection number:  
 Item id: PC7 202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3457  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles:	4518.654 +-	2.588
Doubles:	90.506 +-	3.110
Triples:	0.000 +-	0.000
Scaler 1:	103.180 +-	0.317
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	270816	84262	77553	6297	0	Pass
2	271728	83611	78682	6210	0	Pass
3	271588	84135	78816	6188	0	Pass
4	271402	84595	78546	6185	0	Pass
5	271241	83457	78405	6181	0	Pass
6	270901	83681	78540	6166	0	Pass
7	270427	82627	77905	6242	0	Pass
8	271185	83890	78317	6234	0	Pass
9	270442	83507	77939	6105	0	Pass
10	270404	83030	77873	6100	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	4515.362	111.991	0.000	0.000	Pass
2	4530.574	82.279	0.000	0.000	Pass
3	4528.238	88.789	0.000	0.000	Pass
4	4525.136	100.975	0.000	0.000	Pass
5	4522.451	84.332	0.000	0.000	Pass
6	4516.780	85.817	0.000	0.000	Pass
7	4508.873	78.823	0.000	0.000	Pass
8	4521.517	93.029	0.000	0.000	Pass
9	4509.124	92.945	0.000	0.000	Pass
10	4508.490	86.084	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 11:25:40  
 Results file name: 019L2540.VER  
 Inspection number:  
 Item id: PC8 202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3457  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles:	39345.702 +-	5.621
Doubles:	6711.102 +-	19.650
Triples:	0.000 +-	0.000
Scaler 1:	317.437 +-	0.718
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2351513	6289056	5900177	19215	0	Pass
2	2353930	6307615	5909294	19092	0	Pass
3	2351492	6295816	5900665	19102	0	Pass
4	2352265	6299675	5904415	18836	0	Pass
5	2353443	6305018	5904228	19135	0	Pass
6	2353841	6310742	5913353	18850	0	Pass
7	2352046	6305306	5903527	18886	0	Pass
8	2352302	6301815	5905586	19153	0	Pass
9	2354353	6309440	5910460	19112	0	Pass
10	2352098	6303199	5903714	19081	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	39325.309	6570.029	0.000	0.000	Pass
2	39365.868	6729.644	0.000	0.000	Pass
3	39324.957	6675.992	0.000	0.000	Pass
4	39337.928	6677.864	0.000	0.000	Pass
5	39357.695	6771.339	0.000	0.000	Pass
6	39364.374	6713.894	0.000	0.000	Pass
7	39334.253	6787.993	0.000	0.000	Pass
8	39338.549	6694.236	0.000	0.000	Pass
9	39372.966	6740.794	0.000	0.000	Pass
10	39335.126	6749.238	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: AFAS  
Detector id: JSR\_03  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 20.01.09 14:43:32  
Results file name: 01904332.VER  
Inspection number:  
Item id: PC9 202001  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: OD  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 20.01.09  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 20.01.09

Pre-delay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1620  
Multiplicity deadtime: 86.5000  
Coefficient A deadtime: 0.3457  
Coefficient B deadtime: 0.0299  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.000  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
No known alpha calibration

Results

Singles: 7508.826 +- 3.114  
Doubles: 248.145 +- 5.209  
Triples: 0.000 +- 0.000  
Scaler 1: 1061.165 +- 1.668  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	450758	231968	216800	63894	0	Pass
2	449443	229370	214565	63731	0	Pass
3	451253	232606	216184	63316	0	Pass
4	450358	230488	216765	63720	0	Pass
5	450892	230637	216393	64260	0	Pass
6	449628	229993	215232	63650	0	Pass
7	449721	231050	215820	63541	0	Pass
8	450053	230192	216914	63375	0	Pass
9	450312	231800	217148	63246	0	Pass
10	449955	231186	214968	63966	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7517.516	253.458	0.000	0.000	Pass
2	7495.571	247.390	0.000	0.000	Pass
3	7525.777	274.413	0.000	0.000	Pass
4	7510.841	229.311	0.000	0.000	Pass
5	7519.752	238.018	0.000	0.000	Pass
6	7498.658	246.655	0.000	0.000	Pass
7	7500.210	254.492	0.000	0.000	Pass
8	7505.751	221.875	0.000	0.000	Pass
9	7510.073	244.835	0.000	0.000	Pass
10	7504.115	271.002	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: AFAS  
Detector id: JSR\_03  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 20.01.09 14:59:37  
Results file name: 01905937.VER  
Inspection number:  
Item id: PC10 202001  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: OD  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 20.01.09  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 20.01.09

Pre-delay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1620  
Multiplicity deadtime: 86.5000  
Coefficient A deadtime: 0.3457  
Coefficient B deadtime: 0.0299  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.000  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
No known alpha calibration

Results

Singles: 3180.472 +- 2.942  
Doubles: 42.400 +- 1.607  
Triples: 0.000 +- 0.000  
Scaler 1: 2415.502 +- 1.997  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	190266	41093	38443	144466	0	Pass
2	190539	41247	38873	144524	0	Pass
3	190689	41404	38464	144596	0	Pass
4	190099	40944	38472	144629	0	Pass
5	191146	41486	39343	145405	0	Pass
6	190973	41815	39008	145112	0	Pass
7	191926	42133	39385	144847	0	Pass
8	191051	41928	39157	145098	0	Pass
9	190129	41045	39057	145623	0	Pass
10	190941	41320	38801	144801	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3171.969	44.215	0.000	0.000	Pass
2	3176.522	39.610	0.000	0.000	Pass
3	3179.023	49.054	0.000	0.000	Pass
4	3169.185	41.245	0.000	0.000	Pass
5	3186.644	35.756	0.000	0.000	Pass
6	3183.759	46.835	0.000	0.000	Pass
7	3199.651	45.851	0.000	0.000	Pass
8	3185.060	46.234	0.000	0.000	Pass
9	3169.685	33.170	0.000	0.000	Pass
10	3183.226	42.030	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 09:27:03  
 Results file name: 019J2703.VER  
 Inspection number:  
 Item id: PT1 202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	38.613 +-	0.206
Doubles:	-0.003 +-	0.015
Triples:	0.000 +-	0.000
Scaler 1:	96.520 +-	0.361
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2301	8	7	5789	0	Pass
2	2256	3	1	5734	0	Pass
3	2345	7	8	5765	0	Pass
4	2319	7	8	5870	0	Pass
5	2271	3	4	5771	0	Pass
6	2369	12	8	5787	0	Pass
7	2336	10	8	5912	0	Pass
8	2337	6	6	5683	0	Pass
9	2276	2	9	5750	0	Pass
10	2358	7	8	5851	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	38.350	0.017	0.000	0.000	Pass
2	37.600	0.033	0.000	0.000	Pass
3	39.083	-0.017	0.000	0.000	Pass
4	38.650	-0.017	0.000	0.000	Pass
5	37.850	-0.017	0.000	0.000	Pass
6	39.483	0.067	0.000	0.000	Pass
7	38.933	0.033	0.000	0.000	Pass
8	38.950	0.000	0.000	0.000	Pass
9	37.933	-0.117	0.000	0.000	Pass
10	39.300	-0.017	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 09:45:08  
 Results file name: 019J4508.VER  
 Inspection number:  
 Item id: PT2 202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	59.313 +-	0.224
Doubles:	0.008 +-	0.017
Triples:	0.000 +-	0.000
Scaler 1:	164.632 +-	0.803
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	3589	11	13	9677	0	Pass
2	3620	18	18	9826	0	Pass
3	3526	16	16	9948	0	Pass
4	3591	13	13	9945	0	Pass
5	3578	12	16	9930	0	Pass
6	3569	14	13	9758	0	Pass
7	3589	18	19	9631	0	Pass
8	3507	18	13	9977	0	Pass
9	3527	19	12	9961	0	Pass
10	3492	11	12	10126	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	59.817	-0.033	0.000	0.000	Pass
2	60.333	0.000	0.000	0.000	Pass
3	58.767	0.000	0.000	0.000	Pass
4	59.850	0.000	0.000	0.000	Pass
5	59.633	-0.067	0.000	0.000	Pass
6	59.483	0.017	0.000	0.000	Pass
7	59.817	-0.017	0.000	0.000	Pass
8	58.450	0.083	0.000	0.000	Pass
9	58.783	0.117	0.000	0.000	Pass
10	58.200	-0.017	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 10:01:12  
 Results file name: 019K0112.VER  
 Inspection number:  
 Item id: PT3\_202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	222.852 +-	0.556
Doubles:	-0.037 +-	0.096
Triples:	0.000 +-	0.000
Scaler 1:	52.432 +-	0.326
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	13459	214	219	3115	0	Pass
2	13454	193	203	3102	0	Pass
3	13513	213	210	3276	0	Pass
4	13303	171	193	3088	0	Pass
5	13484	206	178	3202	0	Pass
6	13425	196	196	3106	0	Pass
7	13234	201	195	3169	0	Pass
8	13283	197	211	3193	0	Pass
9	13253	185	215	3116	0	Pass
10	13303	210	188	3092	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	224.317	-0.083	0.000	0.000	Pass
2	224.233	-0.167	0.000	0.000	Pass
3	225.217	0.050	0.000	0.000	Pass
4	221.717	-0.367	0.000	0.000	Pass
5	224.733	0.467	0.000	0.000	Pass
6	223.750	0.000	0.000	0.000	Pass
7	220.567	0.100	0.000	0.000	Pass
8	221.383	-0.233	0.000	0.000	Pass
9	220.883	-0.500	0.000	0.000	Pass
10	221.717	0.367	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 10:18:17  
 Results file name: 019K1817.VER  
 Inspection number:  
 Item id: PT4\_202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	860.265 +-	1.378
Doubles:	2.505 +-	0.379
Triples:	0.000 +-	0.000
Scaler 1:	42.832 +-	0.236
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	51828	3052	2875	2516	0	Pass
2	51956	2980	2906	2540	0	Pass
3	51730	2975	2898	2622	0	Pass
4	51691	3028	2879	2636	0	Pass
5	51329	2975	2854	2529	0	Pass
6	51800	3125	2903	2621	0	Pass
7	51477	2983	2743	2547	0	Pass
8	51809	2910	2870	2580	0	Pass
9	51161	2980	2818	2525	0	Pass
10	51378	3072	2831	2583	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	863.800	2.950	0.000	0.000	Pass
2	865.933	1.233	0.000	0.000	Pass
3	862.167	1.283	0.000	0.000	Pass
4	861.517	2.483	0.000	0.000	Pass
5	855.483	2.017	0.000	0.000	Pass
6	863.333	3.700	0.000	0.000	Pass
7	857.950	4.000	0.000	0.000	Pass
8	863.483	0.667	0.000	0.000	Pass
9	852.683	2.700	0.000	0.000	Pass
10	856.300	4.017	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: AFAS  
Detector id: JSR\_02  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 20.01.09 10:34:21  
Results file name: 019K3421.VER  
Inspection number:  
Item id: PT5 202001  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:  
Isotopics id: Default  
Isotopics source code: OD  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 20.01.09  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 20.01.09  
Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.0126  
Multiplicity deadtime: 0.0000  
Coefficient A deadtime: 0.0000  
Coefficient B deadtime: 0.0000  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001  
Normalization constant: 1.0000 +- 0.0000  
Passive singles bkgrnd: 0.000 +- 0.000  
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.000  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	2620.123 +-	1.825
Doubles:	27.208 +-	0.938
Triples:	0.000 +-	0.000
Scaler 1:	46.373 +-	0.256
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	156753	27626	26145	2821	0	Pass
2	157378	28094	26424	2816	0	Pass
3	157074	28161	26446	2831	0	Pass
4	157480	28066	26822	2785	0	Pass
5	157262	28225	26693	2704	0	Pass
6	157222	28042	26306	2721	0	Pass
7	157383	28216	26358	2801	0	Pass
8	156491	28060	26462	2838	0	Pass
9	157432	27968	26269	2779	0	Pass
10	157599	28223	26431	2728	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2612.550	24.683	0.000	0.000	Pass
2	2622.967	27.833	0.000	0.000	Pass
3	2617.900	28.583	0.000	0.000	Pass
4	2624.667	20.733	0.000	0.000	Pass
5	2621.033	25.533	0.000	0.000	Pass
6	2620.367	28.933	0.000	0.000	Pass
7	2623.050	30.967	0.000	0.000	Pass
8	2608.183	26.633	0.000	0.000	Pass
9	2623.867	28.317	0.000	0.000	Pass
10	2626.650	29.867	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: AFAS  
Detector id: JSR\_02  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 20.01.09 10:49:25  
Results file name: 019K4925.VER  
Inspection number:  
Item id: PT6 202001  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:  
Isotopics id: Default  
Isotopics source code: OD  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 20.01.09  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 20.01.09  
Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.0126  
Multiplicity deadtime: 0.0000  
Coefficient A deadtime: 0.0000  
Coefficient B deadtime: 0.0000  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001  
Normalization constant: 1.0000 +- 0.0000  
Passive singles bkgrnd: 0.000 +- 0.000  
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.000  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	33.582 +-	0.236
Doubles:	0.027 +-	0.018
Triples:	0.000 +-	0.000
Scaler 1:	2252.722 +-	2.418
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2004	9	5	135481	0	Pass
2	1987	2	2	134916	0	Pass
3	2084	1	2	135576	0	Pass
4	2037	9	1	135170	0	Pass
5	1980	4	7	135052	0	Pass
6	2023	4	4	135653	0	Pass
7	1935	4	5	135423	0	Pass
8	2016	9	4	135133	0	Pass
9	2079	8	4	134049	0	Pass
10	2004	3	3	135180	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	33.400	0.067	0.000	0.000	Pass
2	33.117	0.000	0.000	0.000	Pass
3	34.733	-0.017	0.000	0.000	Pass
4	33.950	0.133	0.000	0.000	Pass
5	33.000	-0.050	0.000	0.000	Pass
6	33.717	0.000	0.000	0.000	Pass
7	32.250	-0.017	0.000	0.000	Pass
8	33.600	0.083	0.000	0.000	Pass
9	34.650	0.067	0.000	0.000	Pass
10	33.400	0.000	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 11:05:29  
 Results file name: 019L0529.VER  
 Inspection number:  
 Item id: PT7 202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	30.263 +-	0.241
Doubles:	-0.020 +-	0.016
Triples:	0.000 +-	0.000
Scaler 1:	773.075 +-	1.136
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	1866	1	2	46322	0	Pass
2	1866	2	9	46659	0	Pass
3	1827	0	2	46077	0	Pass
4	1808	4	4	46262	0	Pass
5	1810	5	2	46132	0	Pass
6	1861	1	4	46510	0	Pass
7	1753	4	4	46700	0	Pass
8	1791	5	2	46245	0	Pass
9	1736	4	7	46559	0	Pass
10	1840	2	4	46379	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	31.100	-0.017	0.000	0.000	Pass
2	31.100	-0.117	0.000	0.000	Pass
3	30.450	-0.033	0.000	0.000	Pass
4	30.133	0.000	0.000	0.000	Pass
5	30.167	0.050	0.000	0.000	Pass
6	31.017	-0.050	0.000	0.000	Pass
7	29.217	0.000	0.000	0.000	Pass
8	29.850	0.050	0.000	0.000	Pass
9	28.933	-0.050	0.000	0.000	Pass
10	30.667	-0.033	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 11:25:35  
 Results file name: 019L2535.VER  
 Inspection number:  
 Item id: PT8 202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	44.425 +-	0.235
Doubles:	-0.007 +-	0.023
Triples:	0.000 +-	0.000
Scaler 1:	226.767 +-	0.752
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2667	9	10	13402	0	Pass
2	2665	6	8	13542	0	Pass
3	2608	6	10	13772	0	Pass
4	2657	3	9	13667	0	Pass
5	2711	9	10	13698	0	Pass
6	2708	11	7	13407	0	Pass
7	2665	12	4	13831	0	Pass
8	2639	4	9	13599	0	Pass
9	2597	9	8	13622	0	Pass
10	2738	9	7	13520	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	44.450	-0.017	0.000	0.000	Pass
2	44.417	-0.033	0.000	0.000	Pass
3	43.467	-0.067	0.000	0.000	Pass
4	44.283	-0.100	0.000	0.000	Pass
5	45.183	-0.017	0.000	0.000	Pass
6	45.133	0.067	0.000	0.000	Pass
7	44.417	0.133	0.000	0.000	Pass
8	43.983	-0.083	0.000	0.000	Pass
9	43.283	0.017	0.000	0.000	Pass
10	45.633	0.033	0.000	0.000	Pass

(2)



INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 14:43:27  
 Results file name: 01904327.VER  
 Inspection number:  
 Item id: PT9 202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 147.742 +- 0.441  
 Doubles: -0.062 +- 0.070  
 Triples: 0.000 +- 0.000  
 Scaler 1: 93.453 +- 0.436  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	8762	82	95	5704	0	Pass
2	8897	75	89	5536	0	Pass
3	8927	82	74	5671	0	Pass
4	8759	76	85	5453	0	Pass
5	8865	95	81	5548	0	Pass
6	9032	98	99	5702	0	Pass
7	8873	75	99	5545	0	Pass
8	8897	80	63	5624	0	Pass
9	8853	68	80	5644	0	Pass
10	8780	77	80	5645	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	146.033	-0.217	0.000	0.000	Pass
2	148.283	-0.233	0.000	0.000	Pass
3	148.783	0.133	0.000	0.000	Pass
4	145.983	-0.150	0.000	0.000	Pass
5	147.750	0.233	0.000	0.000	Pass
6	150.533	-0.017	0.000	0.000	Pass
7	147.883	-0.400	0.000	0.000	Pass
8	148.283	0.283	0.000	0.000	Pass
9	147.550	-0.200	0.000	0.000	Pass
10	146.333	-0.050	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.01.09 14:59:31  
 Results file name: 01905931.VER  
 Inspection number:  
 Item id: PT10 202001  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.01.09  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.01.09

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 89.078 +- 0.270  
 Doubles: 0.035 +- 0.053  
 Triples: 0.000 +- 0.000  
 Scaler 1: 75.592 +- 0.296  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	5246	41	23	4558	0	Pass
2	5368	26	29	4549	0	Pass
3	5384	34	36	4491	0	Pass
4	5353	42	28	4438	0	Pass
5	5379	25	29	4539	0	Pass
6	5409	31	36	4656	0	Pass
7	5342	34	37	4529	0	Pass
8	5274	32	35	4513	0	Pass
9	5320	17	25	4565	0	Pass
10	5372	33	16	4517	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	87.433	0.300	0.000	0.000	Pass
2	89.467	-0.050	0.000	0.000	Pass
3	89.733	-0.033	0.000	0.000	Pass
4	89.217	0.233	0.000	0.000	Pass
5	89.650	-0.067	0.000	0.000	Pass
6	90.150	-0.083	0.000	0.000	Pass
7	89.033	-0.050	0.000	0.000	Pass
8	87.900	-0.050	0.000	0.000	Pass
9	88.667	-0.133	0.000	0.000	Pass
10	89.533	0.283	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 09:24:57  
 Results file name: 025J2457.VER  
 Inspection number:  
 Item id: BB01 202002  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	38.357 +-	0.296
Doubles:	0.013 +-	0.010
Triples:	0.000 +-	0.000
Scaler 1:	94.788 +-	0.452
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2203	5	3	5659	0	Pass
2	2311	4	3	5769	0	Pass
3	2240	5	5	5680	0	Pass
4	2323	6	7	5543	0	Pass
5	2319	7	7	5603	0	Pass
6	2316	9	4	5607	0	Pass
7	2309	5	6	5731	0	Pass
8	2279	6	6	5700	0	Pass
9	2297	4	1	5811	0	Pass
10	2417	5	6	5770	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	36.717	0.033	0.000	0.000	Pass
2	38.517	0.017	0.000	0.000	Pass
3	37.333	0.000	0.000	0.000	Pass
4	38.717	-0.017	0.000	0.000	Pass
5	38.650	0.000	0.000	0.000	Pass
6	38.600	0.083	0.000	0.000	Pass
7	38.483	-0.017	0.000	0.000	Pass
8	37.983	0.000	0.000	0.000	Pass
9	38.283	0.050	0.000	0.000	Pass
10	40.283	-0.017	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 09:41:01  
 Results file name: 025J4101.VER  
 Inspection number:  
 Item id: BB02 202002  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	58.883 +-	0.275
Doubles:	0.042 +-	0.027
Triples:	0.000 +-	0.000
Scaler 1:	161.915 +-	0.524
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	3565	14	17	9829	0	Pass
2	3526	20	10	9664	0	Pass
3	3577	16	13	9764	0	Pass
4	3528	13	9	9648	0	Pass
5	3567	20	17	9791	0	Pass
6	3469	10	14	9505	0	Pass
7	3632	15	9	9693	0	Pass
8	3486	23	14	9696	0	Pass
9	3474	15	13	9674	0	Pass
10	3506	15	20	9685	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	59.417	-0.050	0.000	0.000	Pass
2	58.767	0.167	0.000	0.000	Pass
3	59.617	0.050	0.000	0.000	Pass
4	58.800	0.067	0.000	0.000	Pass
5	59.450	0.050	0.000	0.000	Pass
6	57.817	-0.067	0.000	0.000	Pass
7	60.533	0.100	0.000	0.000	Pass
8	58.100	0.150	0.000	0.000	Pass
9	57.900	0.033	0.000	0.000	Pass
10	58.433	-0.083	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 09:58:06  
 Results file name: 025J5806.VER  
 Inspection number:  
 Item id: BB03 202002  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 217.878 +- 0.619  
 Doubles: 0.085 +- 0.102  
 Triples: 0.000 +- 0.000  
 Scaler 1: 52.180 +- 0.412  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	13135	185	168	3190	0	Pass
2	13191	193	210	3147	0	Pass
3	13153	175	195	3228	0	Pass
4	12915	181	169	3042	0	Pass
5	13050	194	177	3137	0	Pass
6	13226	214	183	3166	0	Pass
7	12961	190	177	3133	0	Pass
8	13141	175	200	2991	0	Pass
9	13066	196	174	3218	0	Pass
10	12889	173	172	3056	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	218.917	0.283	0.000	0.000	Pass
2	219.850	-0.283	0.000	0.000	Pass
3	219.217	-0.333	0.000	0.000	Pass
4	215.250	0.200	0.000	0.000	Pass
5	217.500	0.283	0.000	0.000	Pass
6	220.433	0.517	0.000	0.000	Pass
7	216.017	0.217	0.000	0.000	Pass
8	219.017	-0.417	0.000	0.000	Pass
9	217.767	0.367	0.000	0.000	Pass
10	214.817	0.017	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 10:15:10  
 Results file name: 025K1510.VER  
 Inspection number:  
 Item id: BB04 202002  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 843.212 +- 1.579  
 Doubles: 2.315 +- 0.168  
 Triples: 0.000 +- 0.000  
 Scaler 1: 42.028 +- 0.353  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	50274	2837	2715	2456	0	Pass
2	50500	2809	2673	2554	0	Pass
3	50426	2925	2721	2505	0	Pass
4	50596	2806	2666	2464	0	Pass
5	50578	2860	2739	2643	0	Pass
6	51209	3001	2856	2542	0	Pass
7	50152	2789	2665	2469	0	Pass
8	50855	2914	2808	2477	0	Pass
9	50757	2937	2754	2622	0	Pass
10	50580	2848	2740	2485	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	837.900	2.033	0.000	0.000	Pass
2	841.667	2.267	0.000	0.000	Pass
3	840.433	3.400	0.000	0.000	Pass
4	843.267	2.333	0.000	0.000	Pass
5	842.967	2.017	0.000	0.000	Pass
6	853.483	2.417	0.000	0.000	Pass
7	835.867	2.067	0.000	0.000	Pass
8	847.583	1.767	0.000	0.000	Pass
9	845.950	3.050	0.000	0.000	Pass
10	843.000	1.800	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 10:30:14  
 Results file name: 025K3014.VER  
 Inspection number:  
 Item id: BB05 202002  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	2569.875 +-	1.905
Doubles:	29.263 +-	1.037
Triples:	0.000 +-	0.000
Scaler 1:	45.735 +-	0.254
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	153844	26855	24850	2814	0	Pass
2	154267	26991	25418	2780	0	Pass
3	154200	27128	25218	2734	0	Pass
4	154872	27270	25605	2781	0	Pass
5	154296	27337	25393	2758	0	Pass
6	154440	27002	25539	2797	0	Pass
7	154054	26953	25253	2690	0	Pass
8	153939	26861	25319	2708	0	Pass
9	154432	27375	25394	2692	0	Pass
10	153581	26932	25157	2687	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2564.067	33.417	0.000	0.000	Pass
2	2571.117	26.217	0.000	0.000	Pass
3	2570.000	31.833	0.000	0.000	Pass
4	2581.200	27.750	0.000	0.000	Pass
5	2571.600	32.400	0.000	0.000	Pass
6	2574.000	24.383	0.000	0.000	Pass
7	2567.567	28.333	0.000	0.000	Pass
8	2565.650	25.700	0.000	0.000	Pass
9	2573.867	33.017	0.000	0.000	Pass
10	2559.683	29.583	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 10:47:18  
 Results file name: 025K4718.VER  
 Inspection number:  
 Item id: BB06 202002  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	33.963 +-	0.242
Doubles:	-0.025 +-	0.017
Triples:	0.000 +-	0.000
Scaler 1:	2212.643 +-	2.211
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	1951	8	3	132247	0	Pass
2	2073	2	4	132792	0	Pass
3	2049	3	9	132982	0	Pass
4	2084	4	7	133141	0	Pass
5	2007	3	5	133658	0	Pass
6	2027	7	4	132380	0	Pass
7	2031	5	8	132800	0	Pass
8	2106	8	10	132562	0	Pass
9	1995	7	10	132587	0	Pass
10	2055	1	3	132437	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	32.517	0.083	0.000	0.000	Pass
2	34.550	-0.033	0.000	0.000	Pass
3	34.150	-0.100	0.000	0.000	Pass
4	34.733	-0.050	0.000	0.000	Pass
5	33.450	-0.033	0.000	0.000	Pass
6	33.783	0.050	0.000	0.000	Pass
7	33.850	-0.050	0.000	0.000	Pass
8	35.100	-0.033	0.000	0.000	Pass
9	33.250	-0.050	0.000	0.000	Pass
10	34.250	-0.033	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 11:02:22  
 Results file name: 025L0222.VER  
 Inspection number:  
 Item id: BB07 202002  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 29.510 +- 0.239  
 Doubles: -0.008 +- 0.016  
 Triples: 0.000 +- 0.000  
 Scaler 1: 757.540 +- 0.806  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	1773	3	4	45447	0	Pass
2	1766	0	6	45686	0	Pass
3	1731	5	3	45559	0	Pass
4	1803	4	1	45494	0	Pass
5	1857	5	5	45126	0	Pass
6	1743	5	3	45467	0	Pass
7	1724	2	5	45569	0	Pass
8	1821	4	5	45323	0	Pass
9	1717	3	0	45472	0	Pass
10	1771	0	4	45381	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	29.550	-0.017	0.000	0.000	Pass
2	29.433	-0.100	0.000	0.000	Pass
3	28.850	0.033	0.000	0.000	Pass
4	30.050	0.050	0.000	0.000	Pass
5	30.950	0.000	0.000	0.000	Pass
6	29.050	0.033	0.000	0.000	Pass
7	28.733	-0.050	0.000	0.000	Pass
8	30.350	-0.017	0.000	0.000	Pass
9	28.617	0.050	0.000	0.000	Pass
10	29.517	-0.067	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 11:19:27  
 Results file name: 025L1927.VER  
 Inspection number:  
 Item id: BB08 202002  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 143.318 +- 0.617  
 Doubles: 0.122 +- 0.046  
 Triples: 0.000 +- 0.000  
 Scaler 1: 90.870 +- 0.285  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	8762	94	79	5417	0	Pass
2	8667	71	81	5408	0	Pass
3	8597	86	68	5511	0	Pass
4	8517	81	76	5427	0	Pass
5	8782	81	81	5540	0	Pass
6	8454	80	65	5477	0	Pass
7	8621	87	79	5473	0	Pass
8	8617	90	78	5353	0	Pass
9	8538	82	72	5445	0	Pass
10	8436	77	77	5471	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	146.033	0.250	0.000	0.000	Pass
2	144.450	-0.167	0.000	0.000	Pass
3	143.283	0.300	0.000	0.000	Pass
4	141.950	0.083	0.000	0.000	Pass
5	146.367	0.000	0.000	0.000	Pass
6	140.900	0.250	0.000	0.000	Pass
7	143.683	0.133	0.000	0.000	Pass
8	143.617	0.200	0.000	0.000	Pass
9	142.300	0.167	0.000	0.000	Pass
10	140.600	0.000	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 11:38:32  
 Results file name: 025L3832.VER  
 Inspection number:  
 Item id: BB09 202002  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 87.775 +- 0.561  
 Doubles: 0.063 +- 0.067  
 Triples: 0.000 +- 0.000  
 Scaler 1: 75.195 +- 0.362  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	5330	25	28	4470	0	Pass
2	5231	40	22	4511	0	Pass
3	5310	30	25	4555	0	Pass
4	5387	30	36	4508	0	Pass
5	5430	23	35	4605	0	Pass
6	5187	52	21	4568	0	Pass
7	5111	38	29	4579	0	Pass
8	5267	26	31	4381	0	Pass
9	5295	31	31	4439	0	Pass
10	5117	32	31	4501	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	88.833	-0.050	0.000	0.000	Pass
2	87.183	0.300	0.000	0.000	Pass
3	88.500	0.083	0.000	0.000	Pass
4	89.783	-0.100	0.000	0.000	Pass
5	90.500	-0.200	0.000	0.000	Pass
6	86.450	0.517	0.000	0.000	Pass
7	85.183	0.150	0.000	0.000	Pass
8	87.783	-0.083	0.000	0.000	Pass
9	88.250	0.000	0.000	0.000	Pass
10	85.283	0.017	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 13:09:56  
 Results file name: 025N0956.VER  
 Inspection number:  
 Item id: BB10 202002  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 43.692 +- 0.297  
 Doubles: 0.012 +- 0.025  
 Triples: 0.000 +- 0.000  
 Scaler 1: 222.703 +- 0.663  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2640	11	7	13433	0	Pass
2	2637	6	9	13416	0	Pass
3	2591	10	5	13420	0	Pass
4	2535	6	6	13388	0	Pass
5	2647	7	11	13234	0	Pass
6	2712	13	6	13377	0	Pass
7	2644	13	10	13609	0	Pass
8	2680	3	6	13169	0	Pass
9	2578	5	12	13239	0	Pass
10	2551	9	4	13337	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	44.000	0.067	0.000	0.000	Pass
2	43.950	-0.050	0.000	0.000	Pass
3	43.183	0.083	0.000	0.000	Pass
4	42.250	0.000	0.000	0.000	Pass
5	44.117	-0.067	0.000	0.000	Pass
6	45.200	0.117	0.000	0.000	Pass
7	44.067	0.050	0.000	0.000	Pass
8	44.667	-0.050	0.000	0.000	Pass
9	42.967	-0.117	0.000	0.000	Pass
10	42.517	0.083	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 09:24:55  
 Results file name: 025J2455.VER  
 Inspection number:  
 Item id: BC01 202002  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	1276.461 +-	0.982
Doubles:	7.056 +-	0.874
Triples:	0.000 +-	0.000
Scaler 1:	2458.563 +-	1.988
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	76766	6698	6279	147231	0	Pass
2	76733	6558	6344	147411	0	Pass
3	76741	6646	6580	147643	0	Pass
4	76613	6725	6185	147466	0	Pass
5	76115	6665	6047	147667	0	Pass
6	76591	6765	6276	147108	0	Pass
7	76495	6686	6217	147526	0	Pass
8	76534	6661	6106	148402	0	Pass
9	76596	6600	6178	147082	0	Pass
10	76536	6806	6368	147602	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1279.696	6.989	0.000	0.000	Pass
2	1279.146	3.570	0.000	0.000	Pass
3	1279.279	1.101	0.000	0.000	Pass
4	1277.145	9.007	0.000	0.000	Pass
5	1268.842	10.308	0.000	0.000	Pass
6	1276.778	8.157	0.000	0.000	Pass
7	1275.178	7.823	0.000	0.000	Pass
8	1275.828	9.258	0.000	0.000	Pass
9	1276.862	7.039	0.000	0.000	Pass
10	1275.861	7.306	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 09:40:59  
 Results file name: 025J4059.VER  
 Inspection number:  
 Item id: BC02 202002  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 9  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	3397.274 +-	3.697
Doubles:	53.973 +-	0.739
Triples:	0.000 +-	0.000
Scaler 1:	605.635 +-	1.145
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	203145	46994	44082	36641	0	Pass
2	205191	47860	44612	36026	0	Pass
3	203518	47477	44221	36542	0	Pass
4	203843	47592	44414	36202	0	Pass
5	203541	47601	44261	36333	0	Pass
6	204181	47837	44484	36535	0	Pass
7	203421	47472	44265	36113	0	Pass
8	202915	46996	43696	36342	0	Pass
9	203773	47236	43948	36309	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3387.591	48.639	0.000	0.000	Pass
2	3421.728	54.252	0.000	0.000	Pass
3	3393.815	54.385	0.000	0.000	Pass
4	3399.237	53.082	0.000	0.000	Pass
5	3394.198	55.788	0.000	0.000	Pass
6	3404.877	56.006	0.000	0.000	Pass
7	3392.196	53.567	0.000	0.000	Pass
8	3383.754	55.120	0.000	0.000	Pass
9	3398.069	54.920	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR\_01
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 20.02.05 09:58:04
Results file name: 025J5804.VER
Inspection number:
Item id: BC03 202002
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name: JAEA
Passive comment:

Isotopics id: Default
Isotopics source code: CO
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 20.02.05
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 20.02.05
Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.1970
Multiplicity deadtime: 160.0000
Coefficient A deadtime: 0.6419
Coefficient B deadtime: 0.1030
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 47288.130 +- 8.504
Doubles: 10156.873 +- 19.045
Triples: 0.000 +- 0.000
Scaler 1: 150.882 +- 0.383
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Passive cycle rate data

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-10 showing cycle rate data.

(2)

INCC 5.1.2

Facility: PFFP
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR\_01
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 20.02.05 10:15:08
Results file name: 025K1508.VER
Inspection number:
Item id: BC04 202002
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name: JAEA
Passive comment:

Isotopics id: Default
Isotopics source code: CO
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 20.02.05
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 20.02.05
Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.1970
Multiplicity deadtime: 160.0000
Coefficient A deadtime: 0.6419
Coefficient B deadtime: 0.1030
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 6079.211 +- 4.171
Doubles: 167.412 +- 3.943
Triples: 0.000 +- 0.000
Scaler 1: 51.642 +- 0.256
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Passive cycle rate data

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-10 showing cycle rate data.

(2)



INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 10:30:12  
 Results file name: 025K3012.VER  
 Inspection number:  
 Item id: BC05 202002  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 2524.890 +- 1.785  
 Doubles: 26.463 +- 0.710  
 Triples: 0.000 +- 0.000  
 Scaler 1: 44.785 +- 0.261  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	150848	25886	24495	2741	0	Pass
2	150980	26002	24308	2682	0	Pass
3	151307	25937	24247	2645	0	Pass
4	151316	26097	24448	2659	0	Pass
5	151829	26097	24628	2734	0	Pass
6	151445	26180	24741	2713	0	Pass
7	151442	25967	24401	2736	0	Pass
8	151900	26227	24692	2630	0	Pass
9	151585	25927	24339	2606	0	Pass
10	151668	26398	24567	2725	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2515.148	23.221	0.000	0.000	Pass
2	2517.350	28.279	0.000	0.000	Pass
3	2522.804	28.212	0.000	0.000	Pass
4	2522.955	27.528	0.000	0.000	Pass
5	2531.512	24.523	0.000	0.000	Pass
6	2525.106	24.022	0.000	0.000	Pass
7	2525.056	26.142	0.000	0.000	Pass
8	2532.696	25.625	0.000	0.000	Pass
9	2527.442	26.510	0.000	0.000	Pass
10	2528.826	30.566	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 10:47:17  
 Results file name: 025K4717.VER  
 Inspection number:  
 Item id: BC06 202002  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 802.045 +- 0.820  
 Doubles: 2.938 +- 0.436  
 Triples: 0.000 +- 0.000  
 Scaler 1: 64.093 +- 0.421  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	48324	2579	2481	3805	0	Pass
2	48028	2658	2442	3845	0	Pass
3	48371	2664	2502	3956	0	Pass
4	48006	2624	2333	3810	0	Pass
5	48042	2639	2556	3735	0	Pass
6	48146	2646	2485	3983	0	Pass
7	48154	2752	2426	3914	0	Pass
8	48188	2645	2559	3788	0	Pass
9	48090	2613	2424	3828	0	Pass
10	47836	2597	2447	3792	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	805.504	1.634	0.000	0.000	Pass
2	800.570	3.602	0.000	0.000	Pass
3	806.288	2.701	0.000	0.000	Pass
4	800.203	4.852	0.000	0.000	Pass
5	800.803	1.384	0.000	0.000	Pass
6	802.537	2.685	0.000	0.000	Pass
7	802.670	5.436	0.000	0.000	Pass
8	802.903	1.434	0.000	0.000	Pass
9	801.603	3.152	0.000	0.000	Pass
10	797.369	2.501	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
Material balance area: JM2G  
Detector type: AFAS  
Detector id: JSR\_01  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 20.02.05 11:02:21  
Results file name: 025L0221.VER  
Inspection number:  
Item id: BC07 202002  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name: JAEA  
Passive comment:

Isotopics id: Default  
Isotopics source code: 00  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 20.02.05  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 20.02.05

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1970  
Multiplicity deadtime: 160.0000  
Coefficient A deadtime: 0.6419  
Coefficient B deadtime: 0.1030  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
Passive singles bkgrnd: 0.000 +- 0.000  
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.000  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 974.973 +- 0.750  
Doubles: 4.805 +- 0.479  
Triples: 0.000 +- 0.000  
Scaler 1: 104.922 +- 0.491  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	58684	3862	3641	6135	0	Pass
2	58402	3872	3728	6328	0	Pass
3	58715	4047	3663	6357	0	Pass
4	58485	3982	3705	6465	0	Pass
5	58223	3854	3524	6341	0	Pass
6	58499	3816	3671	6294	0	Pass
7	58410	3967	3586	6325	0	Pass
8	58566	3998	3625	6291	0	Pass
9	58447	3841	3516	6226	0	Pass
10	58461	3889	3588	6191	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	978.220	3.686	0.000	0.000	Pass
2	973.519	2.402	0.000	0.000	Pass
3	978.737	6.404	0.000	0.000	Pass
4	974.903	4.620	0.000	0.000	Pass
5	970.534	5.503	0.000	0.000	Pass
6	975.136	2.418	0.000	0.000	Pass
7	973.652	6.354	0.000	0.000	Pass
8	976.253	6.221	0.000	0.000	Pass
9	974.269	5.420	0.000	0.000	Pass
10	974.502	5.020	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
Material balance area: JM2G  
Detector type: AFAS  
Detector id: JSR\_01  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 20.02.05 11:19:25  
Results file name: 025L1925.VER  
Inspection number:  
Item id: BC08 202002  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name: JAEA  
Passive comment:

Isotopics id: Default  
Isotopics source code: 00  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 20.02.05  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 20.02.05

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1970  
Multiplicity deadtime: 160.0000  
Coefficient A deadtime: 0.6419  
Coefficient B deadtime: 0.1030  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
Passive singles bkgrnd: 0.000 +- 0.000  
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.000  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1093.157 +- 1.577  
Doubles: 5.744 +- 0.418  
Triples: 0.000 +- 0.000  
Scaler 1: 28.727 +- 0.278  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	65814	4913	4634	1722	0	Pass
2	65648	4816	4578	1641	0	Pass
3	65751	4927	4580	1788	0	Pass
4	65592	4925	4600	1722	0	Pass
5	65892	4912	4559	1788	0	Pass
6	65499	4918	4602	1680	0	Pass
7	65896	5043	4538	1788	0	Pass
8	65135	4853	4575	1668	0	Pass
9	65021	4911	4471	1739	0	Pass
10	65531	4878	4515	1700	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1097.093	4.653	0.000	0.000	Pass
2	1094.325	3.969	0.000	0.000	Pass
3	1096.043	5.787	0.000	0.000	Pass
4	1093.392	5.420	0.000	0.000	Pass
5	1098.394	5.887	0.000	0.000	Pass
6	1091.841	5.270	0.000	0.000	Pass
7	1098.460	8.423	0.000	0.000	Pass
8	1085.773	4.637	0.000	0.000	Pass
9	1083.872	7.338	0.000	0.000	Pass
10	1092.375	6.054	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 11:38:31  
 Results file name: 025L3831.VER  
 Inspection number:  
 Item id: BC09 202002  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1074.137 +- 1.697  
 Doubles: 4.823 +- 0.433  
 Triples: 0.000 +- 0.000  
 Scaler 1: 32.947 +- 0.255  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	64364	4808	4445	1975	0	Pass
2	64606	4717	4424	1993	0	Pass
3	64796	4732	4356	1945	0	Pass
4	63957	4662	4345	1919	0	Pass
5	64168	4551	4406	1973	0	Pass
6	64633	4773	4433	1947	0	Pass
7	63952	4640	4396	2005	0	Pass
8	64488	4635	4478	2028	0	Pass
9	64859	4855	4548	1915	0	Pass
10	64548	4775	4425	2068	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1072.918	6.054	0.000	0.000	Pass
2	1076.953	4.887	0.000	0.000	Pass
3	1080.121	6.271	0.000	0.000	Pass
4	1066.132	5.287	0.000	0.000	Pass
5	1069.650	2.418	0.000	0.000	Pass
6	1077.403	5.671	0.000	0.000	Pass
7	1066.049	4.069	0.000	0.000	Pass
8	1074.985	2.618	0.000	0.000	Pass
9	1081.171	5.120	0.000	0.000	Pass
10	1075.986	5.837	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 13:09:55  
 Results file name: 025N0955.VER  
 Inspection number:  
 Item id: BC10 202002  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 569.154 +- 0.823  
 Doubles: 1.010 +- 0.181  
 Triples: 0.000 +- 0.000  
 Scaler 1: 42.055 +- 0.305  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	34298	1292	1287	2571	0	Pass
2	34280	1288	1261	2421	0	Pass
3	33851	1306	1284	2486	0	Pass
4	34225	1328	1263	2508	0	Pass
5	34203	1304	1245	2489	0	Pass
6	34002	1352	1297	2492	0	Pass
7	33940	1336	1250	2627	0	Pass
8	34193	1328	1249	2529	0	Pass
9	34218	1310	1211	2535	0	Pass
10	34251	1351	1242	2575	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	571.686	0.083	0.000	0.000	Pass
2	571.386	0.450	0.000	0.000	Pass
3	564.234	0.367	0.000	0.000	Pass
4	570.469	1.084	0.000	0.000	Pass
5	570.102	0.984	0.000	0.000	Pass
6	566.752	0.917	0.000	0.000	Pass
7	565.718	1.434	0.000	0.000	Pass
8	569.935	1.317	0.000	0.000	Pass
9	570.352	1.651	0.000	0.000	Pass
10	570.902	1.817	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 09:24:55  
 Results file name: 025J2455.VER  
 Inspection number:  
 Item id: BT01 202002  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1276.200 +- 0.982  
 Doubles: 7.050 +- 0.873  
 Triples: 0.000 +- 0.000  
 Scaler 1: 2458.563 +- 1.988  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	76766	6698	6279	147231	0	Pass
2	76733	6558	6344	147411	0	Pass
3	76741	6646	6580	147643	0	Pass
4	76613	6725	6185	147466	0	Pass
5	76115	6665	6047	147667	0	Pass
6	76591	6765	6276	147108	0	Pass
7	76495	6686	6217	147526	0	Pass
8	76534	6661	6106	148402	0	Pass
9	76596	6600	6178	147082	0	Pass
10	76536	6806	6368	147602	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1279.433	6.983	0.000	0.000	Pass
2	1278.883	3.567	0.000	0.000	Pass
3	1279.017	1.100	0.000	0.000	Pass
4	1276.883	9.000	0.000	0.000	Pass
5	1268.583	10.300	0.000	0.000	Pass
6	1276.517	8.150	0.000	0.000	Pass
7	1274.917	7.817	0.000	0.000	Pass
8	1275.567	9.250	0.000	0.000	Pass
9	1276.600	7.033	0.000	0.000	Pass
10	1275.600	7.300	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 09:40:59  
 Results file name: 025J4059.VER  
 Inspection number:  
 Item id: BT02 202002  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 9  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 3395.422 +- 3.693  
 Doubles: 53.856 +- 0.737  
 Triples: 0.000 +- 0.000  
 Scaler 1: 605.635 +- 1.145  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	203145	46994	44082	36641	0	Pass
2	205191	47860	44612	36026	0	Pass
3	203518	47477	44221	36542	0	Pass
4	203843	47592	44414	36202	0	Pass
5	203541	47601	44261	36333	0	Pass
6	204181	47837	44484	36535	0	Pass
7	203421	47472	44265	36113	0	Pass
8	202915	46996	43696	36342	0	Pass
9	203773	47236	43948	36309	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3385.750	48.533	0.000	0.000	Pass
2	3419.850	54.133	0.000	0.000	Pass
3	3391.967	54.267	0.000	0.000	Pass
4	3397.383	52.967	0.000	0.000	Pass
5	3392.350	55.667	0.000	0.000	Pass
6	3403.017	55.883	0.000	0.000	Pass
7	3390.350	53.450	0.000	0.000	Pass
8	3381.917	55.000	0.000	0.000	Pass
9	3396.217	54.800	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
Material balance area: JM2G  
Detector type: AFAS  
Detector id: JSR\_01  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 20.02.05 09:58:04  
Results file name: 025J5804.VER  
Inspection number:  
Item id: BT03 202002  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name: JAEA  
Passive comment:

Isotopics id: Default  
Isotopics source code: 00  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 20.02.05  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 20.02.05

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.0080  
Multiplicity deadtime: 0.0000  
Coefficient A deadtime: 0.0000  
Coefficient B deadtime: 0.0000  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
Passive singles bkgrnd: 0.000 +- 0.000  
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.000  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 46930.670 +- 8.375  
Doubles: 9853.227 +- 18.474  
Triples: 0.000 +- 0.000  
Scaler 1: 150.882 +- 0.383  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2815610	9048782	8454001	8989	0	Pass
2	2815832	9048075	8457883	9041	0	Pass
3	2817354	9056614	8467244	9057	0	Pass
4	2813315	9032472	8441115	9148	0	Pass
5	2817802	9058198	8472309	8961	0	Pass
6	2814475	9041732	8452826	9050	0	Pass
7	2813898	9036449	8445649	8954	0	Pass
8	2817608	9069395	8470616	9083	0	Pass
9	2815528	9050150	8458181	9174	0	Pass
10	2816980	9054390	8464497	9072	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	46926.833	9913.017	0.000	0.000	Pass
2	46930.533	9836.533	0.000	0.000	Pass
3	46955.900	9822.833	0.000	0.000	Pass
4	46888.583	9855.950	0.000	0.000	Pass
5	46963.367	9764.817	0.000	0.000	Pass
6	46907.917	9815.100	0.000	0.000	Pass
7	46898.300	9846.667	0.000	0.000	Pass
8	46960.133	9979.650	0.000	0.000	Pass
9	46925.467	9866.150	0.000	0.000	Pass
10	46949.667	9831.550	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
Material balance area: JM2G  
Detector type: AFAS  
Detector id: JSR\_01  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 20.02.05 10:15:08  
Results file name: 025K1508.VER  
Inspection number:  
Item id: BT04 202002  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name: JAEA  
Passive comment:

Isotopics id: Default  
Isotopics source code: 00  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 20.02.05  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 20.02.05

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.0080  
Multiplicity deadtime: 0.0000  
Coefficient A deadtime: 0.0000  
Coefficient B deadtime: 0.0000  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
Passive singles bkgrnd: 0.000 +- 0.000  
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.000  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 6073.283 +- 4.163  
Doubles: 166.760 +- 3.928  
Triples: 0.000 +- 0.000  
Scaler 1: 51.642 +- 0.256  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	364951	152001	141977	2999	0	Pass
2	364095	151805	141627	3089	0	Pass
3	364621	151072	142427	3128	0	Pass
4	364696	152240	142002	3099	0	Pass
5	363104	151197	140553	3119	0	Pass
6	364214	152259	141508	3051	0	Pass
7	366098	152935	142961	3095	0	Pass
8	364374	151060	142150	3176	0	Pass
9	363912	152336	141412	3139	0	Pass
10	363905	151932	142164	3090	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	6082.517	167.067	0.000	0.000	Pass
2	6068.250	169.633	0.000	0.000	Pass
3	6077.017	144.083	0.000	0.000	Pass
4	6078.267	170.633	0.000	0.000	Pass
5	6051.733	177.400	0.000	0.000	Pass
6	6070.233	179.183	0.000	0.000	Pass
7	6101.633	166.233	0.000	0.000	Pass
8	6072.900	148.500	0.000	0.000	Pass
9	6065.200	182.067	0.000	0.000	Pass
10	6065.083	162.800	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 10:30:12  
 Results file name: 025K3012.VER  
 Inspection number:  
 Item id: BT05 202002  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 2523.867 +- 1.783  
 Doubles: 26.420 +- 0.709  
 Triples: 0.000 +- 0.000  
 Scaler 1: 44.785 +- 0.261  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	150848	25886	24495	2741	0	Pass
2	150980	26002	24308	2682	0	Pass
3	151307	25937	24247	2645	0	Pass
4	151316	26097	24448	2659	0	Pass
5	151829	26097	24628	2734	0	Pass
6	151445	26180	24741	2713	0	Pass
7	151442	25967	24401	2736	0	Pass
8	151900	26227	24692	2630	0	Pass
9	151585	25927	24339	2606	0	Pass
10	151668	26398	24567	2725	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2514.133	23.183	0.000	0.000	Pass
2	2516.333	28.233	0.000	0.000	Pass
3	2521.783	28.167	0.000	0.000	Pass
4	2521.933	27.483	0.000	0.000	Pass
5	2530.483	24.483	0.000	0.000	Pass
6	2524.083	23.983	0.000	0.000	Pass
7	2524.033	26.100	0.000	0.000	Pass
8	2531.667	25.583	0.000	0.000	Pass
9	2526.417	26.467	0.000	0.000	Pass
10	2527.800	30.517	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 10:47:17  
 Results file name: 025K4717.VER  
 Inspection number:  
 Item id: BT06 202002  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 801.942 +- 0.820  
 Doubles: 2.937 +- 0.435  
 Triples: 0.000 +- 0.000  
 Scaler 1: 64.093 +- 0.421  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	48324	2579	2481	3805	0	Pass
2	48028	2658	2442	3845	0	Pass
3	48371	2664	2502	3956	0	Pass
4	48006	2624	2333	3810	0	Pass
5	48042	2639	2556	3735	0	Pass
6	48146	2646	2485	3983	0	Pass
7	48154	2752	2426	3914	0	Pass
8	48188	2645	2559	3788	0	Pass
9	48090	2613	2424	3828	0	Pass
10	47836	2597	2447	3792	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	805.400	1.633	0.000	0.000	Pass
2	800.467	3.600	0.000	0.000	Pass
3	806.183	2.700	0.000	0.000	Pass
4	800.100	4.850	0.000	0.000	Pass
5	800.700	1.383	0.000	0.000	Pass
6	802.433	2.683	0.000	0.000	Pass
7	802.567	5.433	0.000	0.000	Pass
8	802.800	1.433	0.000	0.000	Pass
9	801.500	3.150	0.000	0.000	Pass
10	797.267	2.500	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 11:02:21  
 Results file name: 025L0221.VER  
 Inspection number:  
 Item id: BT07 202002  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 974.820 +- 0.750  
 Doubles: 4.802 +- 0.479  
 Triples: 0.000 +- 0.000  
 Scaler 1: 104.922 +- 0.491  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	58684	3862	3641	6135	0	Pass
2	58402	3872	3728	6328	0	Pass
3	58715	4047	3663	6357	0	Pass
4	58485	3982	3705	6465	0	Pass
5	58223	3854	3524	6341	0	Pass
6	58499	3816	3671	6294	0	Pass
7	58410	3967	3586	6325	0	Pass
8	58566	3998	3625	6291	0	Pass
9	58447	3841	3516	6226	0	Pass
10	58461	3889	3588	6191	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	978.067	3.683	0.000	0.000	Pass
2	973.367	2.400	0.000	0.000	Pass
3	978.583	6.400	0.000	0.000	Pass
4	974.750	4.617	0.000	0.000	Pass
5	970.383	5.500	0.000	0.000	Pass
6	974.983	2.417	0.000	0.000	Pass
7	973.500	6.350	0.000	0.000	Pass
8	976.100	6.217	0.000	0.000	Pass
9	974.117	5.417	0.000	0.000	Pass
10	974.350	5.017	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 11:19:25  
 Results file name: 025L1925.VER  
 Inspection number:  
 Item id: BT08 202002  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1092.965 +- 1.577  
 Doubles: 5.740 +- 0.418  
 Triples: 0.000 +- 0.000  
 Scaler 1: 28.727 +- 0.278  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	65814	4913	4634	1722	0	Pass
2	65648	4816	4578	1641	0	Pass
3	65751	4927	4580	1788	0	Pass
4	65592	4925	4600	1722	0	Pass
5	65892	4912	4559	1788	0	Pass
6	65499	4918	4602	1680	0	Pass
7	65896	5043	4538	1788	0	Pass
8	65135	4853	4575	1668	0	Pass
9	65021	4911	4471	1739	0	Pass
10	65531	4878	4515	1700	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1096.900	4.650	0.000	0.000	Pass
2	1094.133	3.967	0.000	0.000	Pass
3	1095.850	5.783	0.000	0.000	Pass
4	1093.200	5.417	0.000	0.000	Pass
5	1098.200	5.883	0.000	0.000	Pass
6	1091.650	5.267	0.000	0.000	Pass
7	1098.267	8.417	0.000	0.000	Pass
8	1085.583	4.633	0.000	0.000	Pass
9	1083.683	7.333	0.000	0.000	Pass
10	1092.183	6.050	0.000	0.000	Pass

(2)

INCC 5.1.2

```

Facility: PFFP
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR_01
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 20.02.05 11:38:31
Results file name: 025L3831.VER
Inspection number:
Item id: BT09 202002
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name: JAEA
Passive comment:

Isotopics id: Default
Isotopics source code: 00
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 20.02.05
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 20.02.05

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.0080
Multiplicity deadtime: 0.0000
Coefficient A deadtime: 0.0000
Coefficient B deadtime: 0.0000
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
    
```

(1)

```

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000
    
```

```

Number passive cycles: 10
Count time (sec): 60
    
```

Passive error messages

No known alpha calibration

Results

```

Singles: 1073.952 +- 1.696
Doubles: 4.820 +- 0.433
Triples: 0.000 +- 0.000
Scaler 1: 32.947 +- 0.255
Scaler 2: 0.000 +- 0.000
    
```

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	64364	4808	4445	1975	0	Pass
2	64606	4717	4424	1993	0	Pass
3	64796	4732	4356	1945	0	Pass
4	63957	4662	4345	1919	0	Pass
5	64168	4551	4406	1973	0	Pass
6	64633	4773	4433	1947	0	Pass
7	63952	4640	4396	2005	0	Pass
8	64488	4635	4478	2028	0	Pass
9	64859	4855	4548	1915	0	Pass
10	64548	4775	4425	2068	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1072.733	6.050	0.000	0.000	Pass
2	1076.767	4.883	0.000	0.000	Pass
3	1079.933	6.267	0.000	0.000	Pass
4	1065.950	5.283	0.000	0.000	Pass
5	1069.467	2.417	0.000	0.000	Pass
6	1077.217	5.667	0.000	0.000	Pass
7	1065.867	4.067	0.000	0.000	Pass
8	1074.800	2.617	0.000	0.000	Pass
9	1080.983	5.117	0.000	0.000	Pass
10	1075.800	5.833	0.000	0.000	Pass

(2)

INCC 5.1.2

```

Facility: PFFP
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR_01
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 20.02.05 13:09:55
Results file name: 025N0955.VER
Inspection number:
Item id: BT10 202002
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name: JAEA
Passive comment:

Isotopics id: Default
Isotopics source code: 00
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 20.02.05
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 20.02.05

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.0080
Multiplicity deadtime: 0.0000
Coefficient A deadtime: 0.0000
Coefficient B deadtime: 0.0000
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
    
```

(1)

```

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000
    
```

```

Number passive cycles: 10
Count time (sec): 60
    
```

Passive error messages

No known alpha calibration

Results

```

Singles: 569.102 +- 0.822
Doubles: 1.010 +- 0.181
Triples: 0.000 +- 0.000
Scaler 1: 42.055 +- 0.305
Scaler 2: 0.000 +- 0.000
    
```

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	34298	1292	1287	2571	0	Pass
2	34280	1288	1261	2421	0	Pass
3	33851	1306	1284	2486	0	Pass
4	34225	1328	1263	2508	0	Pass
5	34203	1304	1245	2489	0	Pass
6	34002	1352	1297	2492	0	Pass
7	33940	1336	1250	2627	0	Pass
8	34193	1328	1249	2529	0	Pass
9	34218	1310	1211	2535	0	Pass
10	34251	1351	1242	2575	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	571.633	0.083	0.000	0.000	Pass
2	571.333	0.450	0.000	0.000	Pass
3	564.183	0.367	0.000	0.000	Pass
4	570.417	1.083	0.000	0.000	Pass
5	570.050	0.983	0.000	0.000	Pass
6	566.700	0.917	0.000	0.000	Pass
7	565.667	1.433	0.000	0.000	Pass
8	569.883	1.317	0.000	0.000	Pass
9	570.300	1.650	0.000	0.000	Pass
10	570.850	1.817	0.000	0.000	Pass

(2)



INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 09:25:25  
 Results file name: 025J2525.VER  
 Inspection number:  
 Item id: PB01 202002  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	1027.517 +-	1.363
Doubles:	3.775 +-	0.558
Triples:	0.000 +-	0.000
Scaler 1:	49.487 +-	0.337
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	61560	4223	4157	2966	0	Pass
2	61689	4307	4007	2913	0	Pass
3	61698	4328	4083	2968	0	Pass
4	61302	4254	3888	2847	0	Pass
5	61701	4272	3946	3031	0	Pass
6	61301	4156	4079	2925	0	Pass
7	61845	4303	4195	3076	0	Pass
8	62190	4376	4134	3003	0	Pass
9	61688	4259	4001	2976	0	Pass
10	61536	4258	3981	2987	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1026.000	1.100	0.000	0.000	Pass
2	1028.150	5.000	0.000	0.000	Pass
3	1028.300	4.083	0.000	0.000	Pass
4	1021.700	6.100	0.000	0.000	Pass
5	1028.350	5.433	0.000	0.000	Pass
6	1021.683	1.283	0.000	0.000	Pass
7	1030.750	1.800	0.000	0.000	Pass
8	1036.500	4.033	0.000	0.000	Pass
9	1028.133	4.300	0.000	0.000	Pass
10	1025.600	4.617	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 09:41:29  
 Results file name: 025J4129.VER  
 Inspection number:  
 Item id: PB02 202002  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	1255.687 +-	1.621
Doubles:	5.857 +-	0.393
Triples:	0.000 +-	0.000
Scaler 1:	42.980 +-	0.367
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	75568	6610	6239	2470	0	Pass
2	74816	6199	5949	2579	0	Pass
3	75609	6472	6002	2587	0	Pass
4	75541	6551	6260	2662	0	Pass
5	75104	6493	6086	2605	0	Pass
6	75688	6399	6035	2611	0	Pass
7	75599	6538	6222	2524	0	Pass
8	74959	6411	6122	2560	0	Pass
9	75338	6505	6050	2693	0	Pass
10	75190	6301	6000	2497	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1259.467	6.183	0.000	0.000	Pass
2	1246.933	4.167	0.000	0.000	Pass
3	1260.150	7.833	0.000	0.000	Pass
4	1259.017	4.850	0.000	0.000	Pass
5	1251.733	6.783	0.000	0.000	Pass
6	1261.467	6.067	0.000	0.000	Pass
7	1259.983	5.267	0.000	0.000	Pass
8	1249.317	4.817	0.000	0.000	Pass
9	1255.633	7.583	0.000	0.000	Pass
10	1253.167	5.017	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 09:58:34  
 Results file name: 025J5834.VER  
 Inspection number:  
 Item id: PB03 202002  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 675.422 +- 0.976  
 Doubles: 1.705 +- 0.280  
 Triples: 0.000 +- 0.000  
 Scaler 1: 55.600 +- 0.482  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	40502	1840	1776	3386	0	Pass
2	40363	1876	1722	3300	0	Pass
3	40827	1930	1741	3387	0	Pass
4	40616	1900	1800	3162	0	Pass
5	40186	1810	1746	3408	0	Pass
6	40700	1898	1814	3294	0	Pass
7	40498	1883	1717	3466	0	Pass
8	40378	1846	1770	3256	0	Pass
9	40538	1861	1753	3414	0	Pass
10	40645	1795	1777	3287	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	675.033	1.067	0.000	0.000	Pass
2	672.717	2.567	0.000	0.000	Pass
3	680.450	3.150	0.000	0.000	Pass
4	676.933	1.667	0.000	0.000	Pass
5	669.767	1.067	0.000	0.000	Pass
6	678.333	1.400	0.000	0.000	Pass
7	674.967	2.767	0.000	0.000	Pass
8	672.967	1.267	0.000	0.000	Pass
9	675.633	1.800	0.000	0.000	Pass
10	677.417	0.300	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 10:14:38  
 Results file name: 025K1438.VER  
 Inspection number:  
 Item id: PB04 202002  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1424.667 +- 1.276  
 Doubles: 9.757 +- 0.658  
 Triples: 0.000 +- 0.000  
 Scaler 1: 234.460 +- 0.864  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	85540	8411	7701	14222	0	Pass
2	85442	8457	7858	14026	0	Pass
3	85180	8364	7832	14051	0	Pass
4	85394	8246	7793	13850	0	Pass
5	85251	8232	7806	14017	0	Pass
6	85851	8394	7803	14132	0	Pass
7	85688	8597	7913	14132	0	Pass
8	85806	8303	7878	14313	0	Pass
9	85460	8448	7796	14123	0	Pass
10	85188	8321	7539	13710	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1425.667	11.833	0.000	0.000	Pass
2	1424.033	9.983	0.000	0.000	Pass
3	1419.667	8.867	0.000	0.000	Pass
4	1423.233	7.550	0.000	0.000	Pass
5	1420.850	7.100	0.000	0.000	Pass
6	1430.850	9.850	0.000	0.000	Pass
7	1428.133	11.400	0.000	0.000	Pass
8	1430.100	7.083	0.000	0.000	Pass
9	1424.333	10.867	0.000	0.000	Pass
10	1419.800	13.033	0.000	0.000	Pass

(2)

INCC 5.1.2

```

Facility: PFFP
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR_03
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 20.02.05 10:30:42
Results file name: 025K3042.VER
Inspection number:
Item id: PB05 202002
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name: JAEA
Passive comment:

Isotopics id: Default
Isotopics source code: CO
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 20.02.05
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 20.02.05

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.0127
Multiplicity deadtime: 0.0000
Coefficient A deadtime: 0.0000
Coefficient B deadtime: 0.0000
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
    
```

(1)

```

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000
    
```

```

Number passive cycles: 10
Count time (sec): 60
    
```

Passive error messages

No known alpha calibration

Results

```

Singles: 1282.190 +- 1.621
Doubles: 5.748 +- 0.775
Triples: 0.000 +- 0.000
Scaler 1: 127.388 +- 0.484
Scaler 2: 0.000 +- 0.000
    
```

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	76841	6719	6338	7848	0	Pass
2	76733	6622	6051	7695	0	Pass
3	76505	6569	6303	7601	0	Pass
4	76756	6605	6406	7647	0	Pass
5	77121	6717	6349	7697	0	Pass
6	77101	6582	6503	7641	0	Pass
7	77237	6811	6482	7523	0	Pass
8	76818	6803	6264	7624	0	Pass
9	77527	6868	6460	7620	0	Pass
10	76675	6575	6266	7537	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1280.683	6.350	0.000	0.000	Pass
2	1278.883	9.517	0.000	0.000	Pass
3	1275.083	4.433	0.000	0.000	Pass
4	1279.267	3.317	0.000	0.000	Pass
5	1285.350	6.133	0.000	0.000	Pass
6	1285.017	1.317	0.000	0.000	Pass
7	1287.283	5.483	0.000	0.000	Pass
8	1280.300	8.983	0.000	0.000	Pass
9	1292.117	6.800	0.000	0.000	Pass
10	1277.917	5.150	0.000	0.000	Pass

(2)

INCC 5.1.2

```

Facility: PFFP
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR_03
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 20.02.05 10:46:46
Results file name: 025K4646.VER
Inspection number:
Item id: PB06 202002
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name: JAEA
Passive comment:

Isotopics id: Default
Isotopics source code: CO
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 20.02.05
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 20.02.05

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.0127
Multiplicity deadtime: 0.0000
Coefficient A deadtime: 0.0000
Coefficient B deadtime: 0.0000
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
    
```

(1)

```

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000
    
```

```

Number passive cycles: 10
Count time (sec): 60
    
```

Passive error messages

No known alpha calibration

Results

```

Singles: 1734.435 +- 1.388
Doubles: 11.737 +- 1.006
Triples: 0.000 +- 0.000
Scaler 1: 63.858 +- 0.353
Scaler 2: 0.000 +- 0.000
    
```

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	104092	12471	11549	3898	0	Pass
2	103746	12012	11672	3833	0	Pass
3	103966	11949	11520	3868	0	Pass
4	103636	12115	11374	3793	0	Pass
5	104426	12467	11861	3809	0	Pass
6	104215	12440	11532	3873	0	Pass
7	104036	12420	11638	3874	0	Pass
8	104090	12196	11428	3681	0	Pass
9	103981	12308	11528	3787	0	Pass
10	104473	12327	11561	3899	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1734.867	15.367	0.000	0.000	Pass
2	1729.100	5.667	0.000	0.000	Pass
3	1732.767	7.150	0.000	0.000	Pass
4	1727.267	12.350	0.000	0.000	Pass
5	1740.433	10.100	0.000	0.000	Pass
6	1736.917	15.133	0.000	0.000	Pass
7	1733.933	13.033	0.000	0.000	Pass
8	1734.833	12.800	0.000	0.000	Pass
9	1733.017	13.000	0.000	0.000	Pass
10	1741.217	12.767	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 11:02:51  
 Results file name: 025L0251.VER  
 Inspection number:  
 Item id: PB07 202002  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	4430.987 +-	3.080
Doubles:	85.238 +-	2.317
Triples:	0.000 +-	0.000
Scaler 1:	101.522 +-	0.482
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	265594	79945	75167	6203	0	Pass
2	264687	79689	74768	5988	0	Pass
3	265521	79878	75280	6151	0	Pass
4	266463	81412	76080	6134	0	Pass
5	266035	81222	75348	6135	0	Pass
6	265945	80271	75578	5980	0	Pass
7	266331	80878	75902	6232	0	Pass
8	265684	80050	75221	6061	0	Pass
9	266745	81349	75815	6017	0	Pass
10	265587	80581	74973	6012	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	4426.567	79.633	0.000	0.000	Pass
2	4411.450	82.017	0.000	0.000	Pass
3	4425.350	76.633	0.000	0.000	Pass
4	4441.050	88.867	0.000	0.000	Pass
5	4433.917	97.900	0.000	0.000	Pass
6	4432.417	78.217	0.000	0.000	Pass
7	4438.850	82.933	0.000	0.000	Pass
8	4428.067	80.483	0.000	0.000	Pass
9	4445.750	92.233	0.000	0.000	Pass
10	4426.450	93.467	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 11:18:55  
 Results file name: 025L1855.VER  
 Inspection number:  
 Item id: PB08 202002  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	7357.553 +-	2.834
Doubles:	238.572 +-	2.593
Triples:	0.000 +-	0.000
Scaler 1:	1044.478 +-	0.715
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	441317	222094	207678	62578	0	Pass
2	441664	222648	208332	62899	0	Pass
3	441356	222091	208376	62548	0	Pass
4	441480	222095	207996	62507	0	Pass
5	440842	221341	207625	62570	0	Pass
6	441801	222217	208045	62804	0	Pass
7	441336	222351	208146	62724	0	Pass
8	442482	223908	208925	62828	0	Pass
9	440515	221783	206509	62640	0	Pass
10	441739	222227	207980	62589	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7355.283	240.267	0.000	0.000	Pass
2	7361.067	238.600	0.000	0.000	Pass
3	7355.933	228.583	0.000	0.000	Pass
4	7358.000	234.983	0.000	0.000	Pass
5	7347.367	228.600	0.000	0.000	Pass
6	7363.350	236.200	0.000	0.000	Pass
7	7355.600	236.750	0.000	0.000	Pass
8	7374.700	249.717	0.000	0.000	Pass
9	7341.917	254.567	0.000	0.000	Pass
10	7362.317	237.450	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 11:39:00  
 Results file name: 025L3900.VER  
 Inspection number:  
 Item id: PB09 202002  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 3126.388 +- 3.167  
 Doubles: 41.405 +- 1.618  
 Triples: 0.000 +- 0.000  
 Scaler 1: 2369.067 +- 1.232  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	188179	40151	37614	142663	0	Pass
2	187370	39899	37604	142036	0	Pass
3	186963	39971	36992	142323	0	Pass
4	186448	39605	36885	141870	0	Pass
5	187462	40064	37732	142157	0	Pass
6	188099	39970	37949	142127	0	Pass
7	187243	39883	37751	142182	0	Pass
8	188334	40378	37523	142208	0	Pass
9	187702	40391	37836	142015	0	Pass
10	188033	40196	37779	141859	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3136.317	42.283	0.000	0.000	Pass
2	3122.833	38.250	0.000	0.000	Pass
3	3116.050	49.650	0.000	0.000	Pass
4	3107.467	45.333	0.000	0.000	Pass
5	3124.367	38.867	0.000	0.000	Pass
6	3134.983	33.683	0.000	0.000	Pass
7	3120.717	35.533	0.000	0.000	Pass
8	3138.900	47.583	0.000	0.000	Pass
9	3128.367	42.583	0.000	0.000	Pass
10	3133.883	40.283	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 13:09:25  
 Results file name: 025N0925.VER  
 Inspection number:  
 Item id: PB10 202002  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 38468.230 +- 7.660  
 Doubles: 6578.633 +- 17.980  
 Triples: 0.000 +- 0.000  
 Scaler 1: 310.963 +- 0.695  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2305982	6063262	5667688	18451	0	Pass
2	2309367	6082383	5684376	18750	0	Pass
3	2307806	6076049	5677068	18695	0	Pass
4	2306024	6062440	5668676	18537	0	Pass
5	2307224	6067669	5675286	18700	0	Pass
6	2308637	6075738	5684967	18824	0	Pass
7	2308256	6077651	5686320	18584	0	Pass
8	2309695	6087166	5687849	18709	0	Pass
9	2307675	6073365	5676871	18825	0	Pass
10	2310272	6090615	5700057	18503	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	38433.033	6592.900	0.000	0.000	Pass
2	38489.450	6633.450	0.000	0.000	Pass
3	38463.433	6649.683	0.000	0.000	Pass
4	38433.733	6562.733	0.000	0.000	Pass
5	38453.733	6539.717	0.000	0.000	Pass
6	38477.283	6512.850	0.000	0.000	Pass
7	38470.933	6522.183	0.000	0.000	Pass
8	38494.917	6655.283	0.000	0.000	Pass
9	38461.250	6608.233	0.000	0.000	Pass
10	38504.533	6509.300	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFPF  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 09:25:25  
 Results file name: 025J2525.VER  
 Inspection number:  
 Item id: PC01 202002  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1027.608 +- 1.363  
 Doubles: 3.776 +- 0.559  
 Triples: 0.000 +- 0.000  
 Scaler 1: 49.487 +- 0.337  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	61560	4223	4157	2966	0	Pass
2	61689	4307	4007	2913	0	Pass
3	61698	4328	4083	2968	0	Pass
4	61302	4254	3888	2847	0	Pass
5	61701	4272	3946	3031	0	Pass
6	61301	4156	4079	2925	0	Pass
7	61845	4303	4195	3076	0	Pass
8	62190	4376	4134	3003	0	Pass
9	61688	4259	4001	2976	0	Pass
10	61536	4258	3981	2987	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1026.091	1.100	0.000	0.000	Pass
2	1028.241	5.002	0.000	0.000	Pass
3	1028.391	4.085	0.000	0.000	Pass
4	1021.790	6.102	0.000	0.000	Pass
5	1028.441	5.435	0.000	0.000	Pass
6	1021.774	1.284	0.000	0.000	Pass
7	1030.842	1.801	0.000	0.000	Pass
8	1036.593	4.035	0.000	0.000	Pass
9	1028.225	4.302	0.000	0.000	Pass
10	1025.691	4.618	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFPF  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 09:41:29  
 Results file name: 025J4129.VER  
 Inspection number:  
 Item id: PC02 202002  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1255.823 +- 1.621  
 Doubles: 5.859 +- 0.393  
 Triples: 0.000 +- 0.000  
 Scaler 1: 42.980 +- 0.367  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	75568	6610	6239	2470	0	Pass
2	74816	6199	5949	2579	0	Pass
3	75609	6472	6002	2587	0	Pass
4	75541	6551	6260	2662	0	Pass
5	75104	6493	6086	2605	0	Pass
6	75688	6399	6035	2611	0	Pass
7	75599	6538	6222	2524	0	Pass
8	74959	6411	6122	2560	0	Pass
9	75338	6505	6050	2693	0	Pass
10	75190	6301	6000	2497	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1259.604	6.186	0.000	0.000	Pass
2	1247.068	4.168	0.000	0.000	Pass
3	1260.287	7.837	0.000	0.000	Pass
4	1259.154	4.852	0.000	0.000	Pass
5	1251.869	6.786	0.000	0.000	Pass
6	1261.604	6.069	0.000	0.000	Pass
7	1260.121	5.269	0.000	0.000	Pass
8	1249.452	4.819	0.000	0.000	Pass
9	1255.770	7.587	0.000	0.000	Pass
10	1253.302	5.019	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFPF  
Material balance area: JM2G  
Detector type: AFAS  
Detector id: JSR\_03  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 20.02.05 09:58:34  
Results file name: 025J5834.VER  
Inspection number:  
Item id: PC03 202002  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name: JAEA  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 20.02.05  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 20.02.05

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1620  
Multiplicity deadtime: 86.5000  
Coefficient A deadtime: 0.3458  
Coefficient B deadtime: 0.0299  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.000  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages  
No known alpha calibration

Results

Singles:	675.461 +-	0.976
Doubles:	1.705 +-	0.280
Triples:	0.000 +-	0.000
Scaler 1:	55.600 +-	0.482
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	40502	1840	1776	3386	0	Pass
2	40363	1876	1722	3300	0	Pass
3	40827	1930	1741	3387	0	Pass
4	40616	1900	1800	3162	0	Pass
5	40186	1810	1746	3408	0	Pass
6	40700	1898	1814	3294	0	Pass
7	40498	1883	1717	3466	0	Pass
8	40378	1846	1770	3256	0	Pass
9	40538	1861	1753	3414	0	Pass
10	40645	1795	1777	3287	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	675.073	1.067	0.000	0.000	Pass
2	672.756	2.567	0.000	0.000	Pass
3	680.490	3.151	0.000	0.000	Pass
4	676.973	1.667	0.000	0.000	Pass
5	669.805	1.067	0.000	0.000	Pass
6	678.373	1.400	0.000	0.000	Pass
7	675.006	2.767	0.000	0.000	Pass
8	673.006	1.267	0.000	0.000	Pass
9	675.673	1.800	0.000	0.000	Pass
10	677.456	0.300	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFPF  
Material balance area: JM2G  
Detector type: AFAS  
Detector id: JSR\_03  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 20.02.05 10:14:38  
Results file name: 025K1438.VER  
Inspection number:  
Item id: PC04 202002  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name: JAEA  
Passive comment:

Isotopics id: Default  
Isotopics source code: CO  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 20.02.05  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 20.02.05

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.1620  
Multiplicity deadtime: 86.5000  
Coefficient A deadtime: 0.3458  
Coefficient B deadtime: 0.0299  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.000  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages  
No known alpha calibration

Results

Singles:	1424.842 +-	1.277
Doubles:	9.761 +-	0.658
Triples:	0.000 +-	0.000
Scaler 1:	234.460 +-	0.864
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	85540	8411	7701	14222	0	Pass
2	85442	8457	7858	14026	0	Pass
3	85180	8364	7832	14051	0	Pass
4	85394	8246	7793	13850	0	Pass
5	85251	8232	7806	14017	0	Pass
6	85851	8394	7803	14132	0	Pass
7	85688	8597	7913	14132	0	Pass
8	85806	8303	7878	14313	0	Pass
9	85460	8448	7796	14123	0	Pass
10	85188	8321	7539	13710	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1425.842	11.839	0.000	0.000	Pass
2	1424.209	9.988	0.000	0.000	Pass
3	1419.841	8.871	0.000	0.000	Pass
4	1423.408	7.554	0.000	0.000	Pass
5	1421.025	7.103	0.000	0.000	Pass
6	1431.027	9.855	0.000	0.000	Pass
7	1428.310	11.406	0.000	0.000	Pass
8	1430.277	7.087	0.000	0.000	Pass
9	1424.509	10.872	0.000	0.000	Pass
10	1419.974	13.040	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 10:30:42  
 Results file name: 025K3042.VER  
 Inspection number:  
 Item id: PC05 202002  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1282.332 +- 1.622  
 Doubles: 5.751 +- 0.775  
 Triples: 0.000 +- 0.000  
 Scaler 1: 127.388 +- 0.484  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	76841	6719	6338	7848	0	Pass
2	76733	6622	6051	7695	0	Pass
3	76505	6569	6303	7601	0	Pass
4	76756	6605	6406	7647	0	Pass
5	77121	6717	6349	7697	0	Pass
6	77101	6582	6503	7641	0	Pass
7	77237	6811	6482	7523	0	Pass
8	76818	6803	6264	7624	0	Pass
9	77527	6868	6460	7620	0	Pass
10	76675	6575	6266	7537	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1280.825	6.353	0.000	0.000	Pass
2	1279.025	9.521	0.000	0.000	Pass
3	1275.224	4.435	0.000	0.000	Pass
4	1279.408	3.318	0.000	0.000	Pass
5	1285.493	6.136	0.000	0.000	Pass
6	1285.159	1.317	0.000	0.000	Pass
7	1287.427	5.486	0.000	0.000	Pass
8	1280.442	8.987	0.000	0.000	Pass
9	1292.261	6.803	0.000	0.000	Pass
10	1278.058	5.152	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 10:46:46  
 Results file name: 025K4646.VER  
 Inspection number:  
 Item id: PC06 202002  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 1734.695 +- 1.388  
 Doubles: 11.744 +- 1.007  
 Triples: 0.000 +- 0.000  
 Scaler 1: 63.858 +- 0.353  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	104092	12471	11549	3898	0	Pass
2	103746	12012	11672	3833	0	Pass
3	103966	11949	11520	3868	0	Pass
4	103636	12115	11374	3793	0	Pass
5	104426	12467	11861	3809	0	Pass
6	104215	12440	11532	3873	0	Pass
7	104036	12420	11638	3874	0	Pass
8	104090	12196	11428	3681	0	Pass
9	103981	12308	11528	3787	0	Pass
10	104473	12327	11561	3899	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1735.127	15.376	0.000	0.000	Pass
2	1729.359	5.670	0.000	0.000	Pass
3	1733.026	7.154	0.000	0.000	Pass
4	1727.525	12.357	0.000	0.000	Pass
5	1740.695	10.106	0.000	0.000	Pass
6	1737.178	15.142	0.000	0.000	Pass
7	1734.193	13.041	0.000	0.000	Pass
8	1735.094	12.808	0.000	0.000	Pass
9	1733.276	13.008	0.000	0.000	Pass
10	1741.479	12.774	0.000	0.000	Pass

(2)



INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 11:02:51  
 Results file name: 025L0251.VER  
 Inspection number:  
 Item id: PC07 202002  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000  
  
 Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 4432.685 +- 3.082  
 Doubles: 85.369 +- 2.321  
 Triples: 0.000 +- 0.000  
 Scaler 1: 101.522 +- 0.482  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	265594	79945	75167	6203	0	Pass
2	264687	79689	74768	5988	0	Pass
3	265521	79878	75280	6151	0	Pass
4	266463	81412	76080	6134	0	Pass
5	266035	81222	75348	6135	0	Pass
6	265945	80271	75578	5980	0	Pass
7	266331	80878	75902	6232	0	Pass
8	265684	80050	75221	6061	0	Pass
9	266745	81349	75815	6017	0	Pass
10	265587	80581	74973	6012	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	4428.262	79.755	0.000	0.000	Pass
2	4413.133	82.142	0.000	0.000	Pass
3	4427.044	76.751	0.000	0.000	Pass
4	4442.756	89.003	0.000	0.000	Pass
5	4435.617	98.050	0.000	0.000	Pass
6	4434.116	78.337	0.000	0.000	Pass
7	4440.554	83.061	0.000	0.000	Pass
8	4429.763	80.607	0.000	0.000	Pass
9	4447.460	92.375	0.000	0.000	Pass
10	4428.145	93.610	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 11:18:55  
 Results file name: 025L1855.VER  
 Inspection number:  
 Item id: PC08 202002  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000  
  
 Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 7362.238 +- 2.837  
 Doubles: 239.180 +- 2.600  
 Triples: 0.000 +- 0.000  
 Scaler 1: 1044.478 +- 0.715  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	441317	222094	207678	62578	0	Pass
2	441664	222648	208332	62899	0	Pass
3	441356	222091	208376	62548	0	Pass
4	441480	222095	207996	62507	0	Pass
5	440842	221341	207625	62570	0	Pass
6	441801	222217	208045	62804	0	Pass
7	441336	222351	208146	62724	0	Pass
8	442482	223908	208925	62828	0	Pass
9	440515	221783	206509	62640	0	Pass
10	441739	222227	207980	62589	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7359.965	240.879	0.000	0.000	Pass
2	7365.755	239.209	0.000	0.000	Pass
3	7360.616	229.166	0.000	0.000	Pass
4	7362.685	235.582	0.000	0.000	Pass
5	7352.038	229.182	0.000	0.000	Pass
6	7368.042	236.803	0.000	0.000	Pass
7	7360.282	237.353	0.000	0.000	Pass
8	7379.406	250.355	0.000	0.000	Pass
9	7346.581	255.214	0.000	0.000	Pass
10	7367.007	238.056	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 11:39:00  
 Results file name: 02SL3900.VER  
 Inspection number:  
 Item id: PC09 202002  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000  
  
 Number passive cycles: 10  
 Count time (sec): 60  
  
 Passive error messages  
  
 No known alpha calibration  
  
 Results  
  
 Singles: 3127.234 +- 3.169  
 Doubles: 41.450 +- 1.619  
 Triples: 0.000 +- 0.000  
 Scaler 1: 2369.067 +- 1.232  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	188179	40151	37614	142663	0	Pass
2	187370	39899	37604	142036	0	Pass
3	186963	39971	36992	142323	0	Pass
4	186448	39605	36885	141870	0	Pass
5	187462	40064	37732	142157	0	Pass
6	188099	39970	37949	142127	0	Pass
7	187243	39883	37751	142182	0	Pass
8	188334	40378	37523	142208	0	Pass
9	187702	40391	37836	142015	0	Pass
10	188033	40196	37779	141859	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3137.167	42.329	0.000	0.000	Pass
2	3123.677	38.291	0.000	0.000	Pass
3	3116.890	49.704	0.000	0.000	Pass
4	3108.302	45.382	0.000	0.000	Pass
5	3125.211	38.909	0.000	0.000	Pass
6	3135.833	33.720	0.000	0.000	Pass
7	3121.559	35.572	0.000	0.000	Pass
8	3139.752	47.635	0.000	0.000	Pass
9	3129.213	42.629	0.000	0.000	Pass
10	3134.733	40.327	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 13:09:25  
 Results file name: 02SN0925.VER  
 Inspection number:  
 Item id: PC10 202002  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: CO  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000  
  
 Number passive cycles: 10  
 Count time (sec): 60  
  
 Passive error messages  
  
 No known alpha calibration  
  
 Results  
  
 Singles: 38596.799 +- 7.711  
 Doubles: 6667.024 +- 18.222  
 Triples: 0.000 +- 0.000  
 Scaler 1: 310.963 +- 0.695  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2305982	6063262	5667688	18451	0	Pass
2	2309367	6082383	5684376	18750	0	Pass
3	2307806	6076049	5677068	18695	0	Pass
4	2306024	6062440	5668676	18537	0	Pass
5	2307224	6067669	5675286	18700	0	Pass
6	2308637	6075738	5684967	18824	0	Pass
7	2308256	6077651	5686320	18584	0	Pass
8	2309695	6087166	5687849	18709	0	Pass
9	2307675	6073365	5676871	18825	0	Pass
10	2310272	6090615	5700057	18503	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	38561.367	6681.400	0.000	0.000	Pass
2	38618.161	6722.627	0.000	0.000	Pass
3	38591.970	6739.017	0.000	0.000	Pass
4	38562.071	6650.831	0.000	0.000	Pass
5	38582.205	6627.551	0.000	0.000	Pass
6	38605.913	6600.378	0.000	0.000	Pass
7	38599.520	6609.822	0.000	0.000	Pass
8	38623.665	6744.767	0.000	0.000	Pass
9	38589.772	6697.005	0.000	0.000	Pass
10	38633.346	6596.842	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 09:24:57  
 Results file name: 025J2457.VER  
 Inspection number:  
 Item id: PT01 202002  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	38.357 +-	0.296
Doubles:	0.013 +-	0.010
Triples:	0.000 +-	0.000
Scaler 1:	94.788 +-	0.452
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2203	5	3	5659	0	Pass
2	2311	4	3	5769	0	Pass
3	2240	5	5	5680	0	Pass
4	2323	6	7	5543	0	Pass
5	2319	7	7	5603	0	Pass
6	2316	9	4	5607	0	Pass
7	2309	5	6	5731	0	Pass
8	2279	6	6	5700	0	Pass
9	2297	4	1	5811	0	Pass
10	2417	5	6	5770	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	36.717	0.033	0.000	0.000	Pass
2	38.517	0.017	0.000	0.000	Pass
3	37.333	0.000	0.000	0.000	Pass
4	38.717	-0.017	0.000	0.000	Pass
5	38.650	0.000	0.000	0.000	Pass
6	38.600	0.083	0.000	0.000	Pass
7	38.483	-0.017	0.000	0.000	Pass
8	37.983	0.000	0.000	0.000	Pass
9	38.283	0.050	0.000	0.000	Pass
10	40.283	-0.017	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 09:41:01  
 Results file name: 025J4101.VER  
 Inspection number:  
 Item id: PT02 202002  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	58.883 +-	0.275
Doubles:	0.042 +-	0.027
Triples:	0.000 +-	0.000
Scaler 1:	161.915 +-	0.524
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	3565	14	17	9829	0	Pass
2	3526	20	10	9664	0	Pass
3	3577	16	13	9764	0	Pass
4	3528	13	9	9648	0	Pass
5	3567	20	17	9791	0	Pass
6	3469	10	14	9505	0	Pass
7	3632	15	9	9693	0	Pass
8	3486	23	14	9696	0	Pass
9	3474	15	13	9674	0	Pass
10	3506	15	20	9685	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	59.417	-0.050	0.000	0.000	Pass
2	58.767	0.167	0.000	0.000	Pass
3	59.617	0.050	0.000	0.000	Pass
4	58.800	0.067	0.000	0.000	Pass
5	59.450	0.050	0.000	0.000	Pass
6	57.817	-0.067	0.000	0.000	Pass
7	60.533	0.100	0.000	0.000	Pass
8	58.100	0.150	0.000	0.000	Pass
9	57.900	0.033	0.000	0.000	Pass
10	58.433	-0.083	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 09:58:06  
 Results file name: 025J5806.VER  
 Inspection number:  
 Item id: PT03 202002  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 217.878 +- 0.619  
 Doubles: 0.085 +- 0.102  
 Triples: 0.000 +- 0.000  
 Scaler 1: 52.180 +- 0.412  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	13135	185	168	3190	0	Pass
2	13191	193	210	3147	0	Pass
3	13153	175	195	3228	0	Pass
4	12915	181	169	3042	0	Pass
5	13050	194	177	3137	0	Pass
6	13226	214	183	3166	0	Pass
7	12961	190	177	3133	0	Pass
8	13141	175	200	2991	0	Pass
9	13066	196	174	3218	0	Pass
10	12889	173	172	3056	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	218.917	0.283	0.000	0.000	Pass
2	219.850	-0.283	0.000	0.000	Pass
3	219.217	-0.333	0.000	0.000	Pass
4	215.250	0.200	0.000	0.000	Pass
5	217.500	0.283	0.000	0.000	Pass
6	220.433	0.517	0.000	0.000	Pass
7	216.017	0.217	0.000	0.000	Pass
8	219.017	-0.417	0.000	0.000	Pass
9	217.767	0.367	0.000	0.000	Pass
10	214.817	0.017	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 10:15:10  
 Results file name: 025K1510.VER  
 Inspection number:  
 Item id: PT04 202002  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 843.212 +- 1.579  
 Doubles: 2.315 +- 0.168  
 Triples: 0.000 +- 0.000  
 Scaler 1: 42.028 +- 0.353  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	50274	2837	2715	2456	0	Pass
2	50500	2809	2673	2554	0	Pass
3	50426	2925	2721	2505	0	Pass
4	50596	2806	2666	2464	0	Pass
5	50578	2860	2739	2643	0	Pass
6	51209	3001	2856	2542	0	Pass
7	50152	2789	2665	2469	0	Pass
8	50855	2914	2808	2477	0	Pass
9	50757	2937	2754	2622	0	Pass
10	50580	2848	2740	2485	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	837.900	2.033	0.000	0.000	Pass
2	841.667	2.267	0.000	0.000	Pass
3	840.433	3.400	0.000	0.000	Pass
4	843.267	2.333	0.000	0.000	Pass
5	842.967	2.017	0.000	0.000	Pass
6	853.483	2.417	0.000	0.000	Pass
7	835.867	2.067	0.000	0.000	Pass
8	847.583	1.767	0.000	0.000	Pass
9	845.950	3.050	0.000	0.000	Pass
10	843.000	1.800	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 10:30:14  
 Results file name: 025K3014.VER  
 Inspection number:  
 Item id: PT05 202002  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	2569.875 +-	1.905
Doubles:	29.263 +-	1.037
Triples:	0.000 +-	0.000
Scaler 1:	45.735 +-	0.254
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	153844	26855	24850	2814	0	Pass
2	154267	26991	25418	2780	0	Pass
3	154200	27128	25218	2734	0	Pass
4	154872	27270	25605	2781	0	Pass
5	154296	27337	25393	2758	0	Pass
6	154440	27002	25539	2797	0	Pass
7	154054	26953	25253	2690	0	Pass
8	153939	26861	25319	2708	0	Pass
9	154432	27375	25394	2692	0	Pass
10	153581	26932	25157	2687	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2564.067	33.417	0.000	0.000	Pass
2	2571.117	26.217	0.000	0.000	Pass
3	2570.000	31.833	0.000	0.000	Pass
4	2581.200	27.750	0.000	0.000	Pass
5	2571.600	32.400	0.000	0.000	Pass
6	2574.000	24.383	0.000	0.000	Pass
7	2567.567	28.333	0.000	0.000	Pass
8	2565.650	25.700	0.000	0.000	Pass
9	2573.867	33.017	0.000	0.000	Pass
10	2559.683	29.583	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 10:47:18  
 Results file name: 025K4718.VER  
 Inspection number:  
 Item id: PT06 202002  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	33.963 +-	0.242
Doubles:	-0.025 +-	0.017
Triples:	0.000 +-	0.000
Scaler 1:	2212.643 +-	2.211
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	1951	8	3	132247	0	Pass
2	2073	2	4	132792	0	Pass
3	2049	3	9	132982	0	Pass
4	2084	4	7	133141	0	Pass
5	2007	3	5	133658	0	Pass
6	2027	7	4	132380	0	Pass
7	2031	5	8	132800	0	Pass
8	2106	8	10	132562	0	Pass
9	1995	7	10	132587	0	Pass
10	2055	1	3	132437	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	32.517	0.083	0.000	0.000	Pass
2	34.550	-0.033	0.000	0.000	Pass
3	34.150	-0.100	0.000	0.000	Pass
4	34.733	-0.050	0.000	0.000	Pass
5	33.450	-0.033	0.000	0.000	Pass
6	33.783	0.050	0.000	0.000	Pass
7	33.850	-0.050	0.000	0.000	Pass
8	35.100	-0.033	0.000	0.000	Pass
9	33.250	-0.050	0.000	0.000	Pass
10	34.250	-0.033	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 11:02:22  
 Results file name: 025L0222.VER  
 Inspection number:  
 Item id: PT07 202002  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 29.510 +- 0.239  
 Doubles: -0.008 +- 0.016  
 Triples: 0.000 +- 0.000  
 Scaler 1: 757.540 +- 0.806  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	1773	3	4	45447	0	Pass
2	1766	0	6	45686	0	Pass
3	1731	5	3	45559	0	Pass
4	1803	4	1	45494	0	Pass
5	1857	5	5	45126	0	Pass
6	1743	5	3	45467	0	Pass
7	1724	2	5	45569	0	Pass
8	1821	4	5	45323	0	Pass
9	1717	3	0	45472	0	Pass
10	1771	0	4	45381	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	29.550	-0.017	0.000	0.000	Pass
2	29.433	-0.100	0.000	0.000	Pass
3	28.850	0.033	0.000	0.000	Pass
4	30.050	0.050	0.000	0.000	Pass
5	30.950	0.000	0.000	0.000	Pass
6	29.050	0.033	0.000	0.000	Pass
7	28.733	-0.050	0.000	0.000	Pass
8	30.350	-0.017	0.000	0.000	Pass
9	28.617	0.050	0.000	0.000	Pass
10	29.517	-0.067	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 11:19:27  
 Results file name: 025L1927.VER  
 Inspection number:  
 Item id: PT08 202002  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 143.318 +- 0.617  
 Doubles: 0.122 +- 0.046  
 Triples: 0.000 +- 0.000  
 Scaler 1: 90.870 +- 0.285  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	8762	94	79	5417	0	Pass
2	8667	71	81	5408	0	Pass
3	8597	86	68	5511	0	Pass
4	8517	81	76	5427	0	Pass
5	8782	81	81	5540	0	Pass
6	8454	80	65	5477	0	Pass
7	8621	87	79	5473	0	Pass
8	8617	90	78	5353	0	Pass
9	8538	82	72	5445	0	Pass
10	8436	77	77	5471	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	146.033	0.250	0.000	0.000	Pass
2	144.450	-0.167	0.000	0.000	Pass
3	143.283	0.300	0.000	0.000	Pass
4	141.950	0.083	0.000	0.000	Pass
5	146.367	0.000	0.000	0.000	Pass
6	140.900	0.250	0.000	0.000	Pass
7	143.683	0.133	0.000	0.000	Pass
8	143.617	0.200	0.000	0.000	Pass
9	142.300	0.167	0.000	0.000	Pass
10	140.600	0.000	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 11:38:32  
 Results file name: 025L3832.VER  
 Inspection number:  
 Item id: PT09 202002  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	87.775 +-	0.561
Doubles:	0.063 +-	0.067
Triples:	0.000 +-	0.000
Scaler 1:	75.195 +-	0.362
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	5330	25	28	4470	0	Pass
2	5231	40	22	4511	0	Pass
3	5310	30	25	4555	0	Pass
4	5387	30	36	4508	0	Pass
5	5430	23	35	4605	0	Pass
6	5187	52	21	4568	0	Pass
7	5111	38	29	4579	0	Pass
8	5267	26	31	4381	0	Pass
9	5295	31	31	4439	0	Pass
10	5117	32	31	4501	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	88.833	-0.050	0.000	0.000	Pass
2	87.183	0.300	0.000	0.000	Pass
3	88.500	0.083	0.000	0.000	Pass
4	89.783	-0.100	0.000	0.000	Pass
5	90.500	-0.200	0.000	0.000	Pass
6	86.450	0.517	0.000	0.000	Pass
7	85.183	0.150	0.000	0.000	Pass
8	87.783	-0.083	0.000	0.000	Pass
9	88.250	0.000	0.000	0.000	Pass
10	85.283	0.017	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: PFFP  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.02.05 13:09:56  
 Results file name: 025N0956.VER  
 Inspection number:  
 Item id: PT10 202002  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: 00  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.02.05  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.02.05

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	43.692 +-	0.297
Doubles:	0.012 +-	0.025
Triples:	0.000 +-	0.000
Scaler 1:	222.703 +-	0.663
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2640	11	7	13433	0	Pass
2	2637	6	9	13416	0	Pass
3	2591	10	5	13420	0	Pass
4	2535	6	6	13388	0	Pass
5	2647	7	11	13234	0	Pass
6	2712	13	6	13377	0	Pass
7	2644	13	10	13609	0	Pass
8	2680	3	6	13169	0	Pass
9	2578	5	12	13239	0	Pass
10	2551	9	4	13337	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	44.000	0.067	0.000	0.000	Pass
2	43.950	-0.050	0.000	0.000	Pass
3	43.183	0.083	0.000	0.000	Pass
4	42.250	0.000	0.000	0.000	Pass
5	44.117	-0.067	0.000	0.000	Pass
6	45.200	0.117	0.000	0.000	Pass
7	44.067	0.050	0.000	0.000	Pass
8	44.667	-0.050	0.000	0.000	Pass
9	42.967	-0.117	0.000	0.000	Pass
10	42.517	0.083	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 09:32:15  
 Results file name: 033J3215.VER  
 Inspection number:  
 Item id: BB1 202003  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	37.632 +-	0.221
Doubles:	0.002 +-	0.013
Triples:	0.000 +-	0.000
Scaler 1:	93.757 +-	0.474
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2232	3	6	5533	0	Pass
2	2266	6	4	5656	0	Pass
3	2275	12	7	5676	0	Pass
4	2323	6	4	5462	0	Pass
5	2219	6	4	5625	0	Pass
6	2262	7	8	5599	0	Pass
7	2243	5	8	5716	0	Pass
8	2180	5	6	5652	0	Pass
9	2270	3	4	5770	0	Pass
10	2309	5	6	5565	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	37.200	-0.050	0.000	0.000	Pass
2	37.767	0.033	0.000	0.000	Pass
3	37.917	0.083	0.000	0.000	Pass
4	38.717	0.033	0.000	0.000	Pass
5	36.983	0.033	0.000	0.000	Pass
6	37.700	-0.017	0.000	0.000	Pass
7	37.383	-0.050	0.000	0.000	Pass
8	36.333	-0.017	0.000	0.000	Pass
9	37.833	-0.017	0.000	0.000	Pass
10	38.483	-0.017	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 09:48:19  
 Results file name: 033J4819.VER  
 Inspection number:  
 Item id: BB2 202003  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	57.115 +-	0.226
Doubles:	0.015 +-	0.020
Triples:	0.000 +-	0.000
Scaler 1:	160.120 +-	0.429
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	3346	17	12	9669	0	Pass
2	3466	11	11	9655	0	Pass
3	3447	13	10	9764	0	Pass
4	3485	13	9	9644	0	Pass
5	3468	9	15	9591	0	Pass
6	3434	15	12	9562	0	Pass
7	3405	15	18	9530	0	Pass
8	3433	15	18	9486	0	Pass
9	3396	14	10	9543	0	Pass
10	3389	15	13	9628	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	55.767	0.083	0.000	0.000	Pass
2	57.767	0.000	0.000	0.000	Pass
3	57.450	0.050	0.000	0.000	Pass
4	58.083	0.067	0.000	0.000	Pass
5	57.800	-0.100	0.000	0.000	Pass
6	57.233	0.050	0.000	0.000	Pass
7	56.750	-0.050	0.000	0.000	Pass
8	57.217	-0.050	0.000	0.000	Pass
9	56.600	0.067	0.000	0.000	Pass
10	56.483	0.033	0.000	0.000	Pass

(2)



INCC 5.1.2

```

Facility: JMOX
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR_02
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 20.03.03 10:05:24
Results file name: 033K0524.VER
Inspection number:
Item id: BB3 202003
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 20.03.03
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 20.03.03

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.0060
Multiplicity deadtime: 0.0000
Coefficient A deadtime: 0.0000
Coefficient B deadtime: 0.0000
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
    
```

(1)

```

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000
    
```

```

Number passive cycles: 10
Count time (sec): 60
    
```

Passive error messages

No known alpha calibration

Results

```

Singles: 215.005 +- 0.846
Doubles: 0.100 +- 0.115
Triples: 0.000 +- 0.000
Scaler 1: 51.418 +- 0.285
Scaler 2: 0.000 +- 0.000
    
```

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	12675	191	155	3132	0	Pass
2	12804	176	189	2994	0	Pass
3	12994	188	179	3036	0	Pass
4	12714	161	191	3155	0	Pass
5	12906	167	169	3086	0	Pass
6	12945	193	170	3055	0	Pass
7	13247	187	193	3139	0	Pass
8	12942	201	162	3122	0	Pass
9	12934	184	190	3102	0	Pass
10	12842	203	193	3030	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	211.250	0.600	0.000	0.000	Pass
2	213.400	-0.217	0.000	0.000	Pass
3	216.567	0.150	0.000	0.000	Pass
4	211.900	-0.500	0.000	0.000	Pass
5	215.100	-0.033	0.000	0.000	Pass
6	215.750	0.383	0.000	0.000	Pass
7	220.783	-0.100	0.000	0.000	Pass
8	215.700	0.650	0.000	0.000	Pass
9	215.567	-0.100	0.000	0.000	Pass
10	214.033	0.167	0.000	0.000	Pass

(2)

INCC 5.1.2

```

Facility: JMOX
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR_02
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 20.03.03 10:21:28
Results file name: 033K2128.VER
Inspection number:
Item id: BB4 202003
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 20.03.03
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 20.03.03

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.0060
Multiplicity deadtime: 0.0000
Coefficient A deadtime: 0.0000
Coefficient B deadtime: 0.0000
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
    
```

(1)

```

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000
    
```

```

Number passive cycles: 10
Count time (sec): 60
    
```

Passive error messages

No known alpha calibration

Results

```

Singles: 826.448 +- 1.069
Doubles: 2.468 +- 0.508
Triples: 0.000 +- 0.000
Scaler 1: 42.307 +- 0.338
Scaler 2: 0.000 +- 0.000
    
```

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	49595	2918	2646	2460	0	Pass
2	49756	2801	2621	2629	0	Pass
3	49521	2768	2659	2522	0	Pass
4	49788	2730	2604	2607	0	Pass
5	49517	2760	2526	2605	0	Pass
6	49765	2833	2618	2528	0	Pass
7	49577	2792	2759	2434	0	Pass
8	49090	2721	2608	2527	0	Pass
9	49562	2754	2785	2504	0	Pass
10	49698	2785	2555	2568	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	826.583	4.533	0.000	0.000	Pass
2	829.267	3.000	0.000	0.000	Pass
3	825.350	1.817	0.000	0.000	Pass
4	829.800	2.100	0.000	0.000	Pass
5	825.283	3.900	0.000	0.000	Pass
6	829.417	3.583	0.000	0.000	Pass
7	826.283	0.550	0.000	0.000	Pass
8	818.167	1.883	0.000	0.000	Pass
9	826.033	-0.517	0.000	0.000	Pass
10	828.300	3.833	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 10:36:32  
 Results file name: 033K3632.VER  
 Inspection number:  
 Item id: B85 202003  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60  
 Passive error messages  
 No known alpha calibration  
 Results  
 Singles: 2522.817 +- 1.345  
 Doubles: 26.922 +- 0.862  
 Triples: 0.000 +- 0.000  
 Scaler 1: 45.293 +- 0.266  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	151111	26216	24666	2681	0	Pass
2	151581	26160	24607	2787	0	Pass
3	151554	26277	24451	2755	0	Pass
4	151515	26154	24381	2714	0	Pass
5	151198	25905	24475	2719	0	Pass
6	151142	26019	24167	2622	0	Pass
7	151283	26058	24533	2701	0	Pass
8	151685	26081	24688	2790	0	Pass
9	150976	25982	24270	2715	0	Pass
10	151645	26252	24713	2692	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2518.517	25.833	0.000	0.000	Pass
2	2526.350	25.883	0.000	0.000	Pass
3	2525.900	30.433	0.000	0.000	Pass
4	2525.250	29.550	0.000	0.000	Pass
5	2519.967	23.833	0.000	0.000	Pass
6	2519.033	30.867	0.000	0.000	Pass
7	2521.383	25.417	0.000	0.000	Pass
8	2528.083	23.217	0.000	0.000	Pass
9	2516.267	28.533	0.000	0.000	Pass
10	2527.417	25.650	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 10:51:36  
 Results file name: 033K5136.VER  
 Inspection number:  
 Item id: B86 202003  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000  
 Number passive cycles: 10  
 Count time (sec): 60  
 Passive error messages  
 No known alpha calibration  
 Results  
 Singles: 32.818 +- 0.284  
 Doubles: -0.002 +- 0.017  
 Triples: 0.000 +- 0.000  
 Scaler 1: 2169.107 +- 2.181  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2038	4	2	129919	0	Pass
2	1908	5	3	130138	0	Pass
3	1903	6	6	129760	0	Pass
4	2010	5	1	131162	0	Pass
5	1968	6	6	130045	0	Pass
6	1971	3	6	130421	0	Pass
7	2010	5	3	129987	0	Pass
8	2026	3	1	130259	0	Pass
9	1970	3	9	130045	0	Pass
10	1887	1	5	129728	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	33.967	0.033	0.000	0.000	Pass
2	31.800	0.033	0.000	0.000	Pass
3	31.717	0.000	0.000	0.000	Pass
4	33.500	0.067	0.000	0.000	Pass
5	32.800	0.000	0.000	0.000	Pass
6	32.850	-0.050	0.000	0.000	Pass
7	33.500	0.033	0.000	0.000	Pass
8	33.767	0.033	0.000	0.000	Pass
9	32.833	-0.100	0.000	0.000	Pass
10	31.450	-0.067	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 11:07:40  
 Results file name: 033L0740.VER  
 Inspection number:  
 Item id: BB7 202003  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 29.710 +- 0.222  
 Doubles: 0.010 +- 0.010  
 Triples: 0.000 +- 0.000  
 Scaler 1: 746.767 +- 1.147  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	1840	0	2	44825	0	Pass
2	1811	8	4	44864	0	Pass
3	1776	5	6	44825	0	Pass
4	1723	3	1	45011	0	Pass
5	1852	4	3	44999	0	Pass
6	1775	4	4	44655	0	Pass
7	1735	5	4	44349	0	Pass
8	1781	4	1	44940	0	Pass
9	1749	3	4	44580	0	Pass
10	1784	1	2	45012	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	30.667	-0.033	0.000	0.000	Pass
2	30.183	0.067	0.000	0.000	Pass
3	29.600	-0.017	0.000	0.000	Pass
4	28.717	0.033	0.000	0.000	Pass
5	30.867	0.017	0.000	0.000	Pass
6	29.583	0.000	0.000	0.000	Pass
7	28.917	0.017	0.000	0.000	Pass
8	29.683	0.050	0.000	0.000	Pass
9	29.150	-0.017	0.000	0.000	Pass
10	29.733	-0.017	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 11:30:46  
 Results file name: 033L3046.VER  
 Inspection number:  
 Item id: BB8 202003  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0060  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 43.002 +- 0.247  
 Doubles: 0.032 +- 0.031  
 Triples: 0.000 +- 0.000  
 Scaler 1: 218.505 +- 0.706  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2614	9	12	13242	0	Pass
2	2589	6	9	13111	0	Pass
3	2515	4	10	13212	0	Pass
4	2636	11	1	12940	0	Pass
5	2563	10	6	12996	0	Pass
6	2498	6	2	13274	0	Pass
7	2638	14	8	13017	0	Pass
8	2602	6	9	13177	0	Pass
9	2583	7	8	13222	0	Pass
10	2563	13	2	12912	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	43.567	-0.050	0.000	0.000	Pass
2	43.150	-0.050	0.000	0.000	Pass
3	41.917	-0.100	0.000	0.000	Pass
4	43.933	0.167	0.000	0.000	Pass
5	42.717	0.067	0.000	0.000	Pass
6	41.633	0.067	0.000	0.000	Pass
7	43.967	0.100	0.000	0.000	Pass
8	43.367	-0.050	0.000	0.000	Pass
9	43.050	-0.017	0.000	0.000	Pass
10	42.717	0.183	0.000	0.000	Pass

(2)

INCC 5.1.2

```

Facility: JMOX
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR_02
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 20.03.03 14:33:34
Results file name: 03303334_VER
Inspection number:
Item id: BB9 202003
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 20.03.03
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 20.03.03

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.0060
Multiplicity deadtime: 0.0000
Coefficient A deadtime: 0.0000
Coefficient B deadtime: 0.0000
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
    
```

(1)

```

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000
    
```

```

Number passive cycles: 10
Count time (sec): 60
    
```

Passive error messages

No known alpha calibration

Results

```

Singles: 142.133 +- 0.723
Doubles: 0.095 +- 0.062
Triples: 0.000 +- 0.000
Scaler 1: 90.155 +- 0.416
Scaler 2: 0.000 +- 0.000
    
```

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	8608	80	83	5430	0	Pass
2	8601	73	83	5362	0	Pass
3	8269	83	60	5279	0	Pass
4	8453	94	70	5420	0	Pass
5	8383	86	88	5341	0	Pass
6	8668	78	85	5398	0	Pass
7	8536	84	74	5432	0	Pass
8	8540	86	79	5386	0	Pass
9	8488	69	66	5473	0	Pass
10	8734	87	75	5572	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	143.467	-0.050	0.000	0.000	Pass
2	143.350	-0.167	0.000	0.000	Pass
3	137.817	0.383	0.000	0.000	Pass
4	140.883	0.400	0.000	0.000	Pass
5	139.717	-0.033	0.000	0.000	Pass
6	144.467	-0.117	0.000	0.000	Pass
7	142.267	0.167	0.000	0.000	Pass
8	142.333	0.117	0.000	0.000	Pass
9	141.467	0.050	0.000	0.000	Pass
10	145.567	0.200	0.000	0.000	Pass

(2)

INCC 5.1.2

```

Facility: JMOX
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR_02
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 20.03.03 14:50:38
Results file name: 03305038_VER
Inspection number:
Item id: BB10 202003
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 20.03.03
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 20.03.03

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.0060
Multiplicity deadtime: 0.0000
Coefficient A deadtime: 0.0000
Coefficient B deadtime: 0.0000
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
    
```

(1)

```

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000
    
```

```

Number passive cycles: 10
Count time (sec): 60
    
```

Passive error messages

No known alpha calibration

Results

```

Singles: 86.122 +- 0.335
Doubles: 0.037 +- 0.044
Triples: 0.000 +- 0.000
Scaler 1: 73.787 +- 0.414
Scaler 2: 0.000 +- 0.000
    
```

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	5264	40	31	4387	0	Pass
2	5094	35	26	4464	0	Pass
3	5230	38	30	4313	0	Pass
4	5183	40	34	4464	0	Pass
5	5074	19	37	4530	0	Pass
6	5156	34	32	4406	0	Pass
7	5097	34	31	4406	0	Pass
8	5214	32	32	4353	0	Pass
9	5157	31	23	4566	0	Pass
10	5204	31	36	4383	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	87.733	0.150	0.000	0.000	Pass
2	84.900	0.150	0.000	0.000	Pass
3	87.167	0.133	0.000	0.000	Pass
4	86.383	0.100	0.000	0.000	Pass
5	84.567	-0.300	0.000	0.000	Pass
6	85.933	0.033	0.000	0.000	Pass
7	84.950	0.050	0.000	0.000	Pass
8	86.900	0.000	0.000	0.000	Pass
9	85.950	0.133	0.000	0.000	Pass
10	86.733	-0.083	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 09:32:17  
 Results file name: 033J3217.VER  
 Inspection number:  
 Item id: BC1 202003  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles:	1251.371 +-	1.281
Doubles:	7.207 +-	0.562
Triples:	0.000 +-	0.000
Scaler 1:	2410.755 +-	1.794
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	75100	6514	5981	144095	0	Pass
2	75105	6526	6055	144602	0	Pass
3	74983	6399	5969	145277	0	Pass
4	75262	6466	6065	144822	0	Pass
5	75581	6627	6012	144859	0	Pass
6	75083	6315	6024	144730	0	Pass
7	75151	6498	6044	144568	0	Pass
8	74812	6348	5988	144363	0	Pass
9	74765	6359	5863	144849	0	Pass
10	74830	6344	6074	144288	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1251.918	8.890	0.000	0.000	Pass
2	1252.002	7.856	0.000	0.000	Pass
3	1249.967	7.172	0.000	0.000	Pass
4	1254.619	6.689	0.000	0.000	Pass
5	1259.938	10.258	0.000	0.000	Pass
6	1251.635	4.854	0.000	0.000	Pass
7	1252.768	7.573	0.000	0.000	Pass
8	1247.116	6.005	0.000	0.000	Pass
9	1246.333	8.273	0.000	0.000	Pass
10	1247.416	4.504	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 09:48:21  
 Results file name: 033J4821.VER  
 Inspection number:  
 Item id: BC2 202003  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles:	3327.518 +-	3.120
Doubles:	50.453 +-	1.282
Triples:	0.000 +-	0.000
Scaler 1:	593.155 +-	0.642
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	198995	45107	42389	35612	0	Pass
2	199510	46226	42893	35662	0	Pass
3	199543	45829	42471	35466	0	Pass
4	199437	45421	42721	35445	0	Pass
5	199448	45516	42489	35401	0	Pass
6	199338	45600	42727	35705	0	Pass
7	200539	45738	42667	35545	0	Pass
8	200511	46242	42964	35764	0	Pass
9	198619	45046	42035	35691	0	Pass
10	199505	45364	42526	35602	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3318.350	45.397	0.000	0.000	Pass
2	3326.942	55.669	0.000	0.000	Pass
3	3327.493	56.086	0.000	0.000	Pass
4	3325.724	45.096	0.000	0.000	Pass
5	3325.908	50.558	0.000	0.000	Pass
6	3324.073	47.986	0.000	0.000	Pass
7	3344.111	51.293	0.000	0.000	Pass
8	3343.644	54.751	0.000	0.000	Pass
9	3312.077	50.290	0.000	0.000	Pass
10	3326.859	47.401	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 10:05:26  
 Results file name: 033K0526.VER  
 Inspection number:  
 Item id: BC3 202003  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles:	46357.836 +-	9.974
Doubles:	10011.335 +-	25.795
Triples:	0.000 +-	0.000
Scaler 1:	147.588 +-	0.423
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2760420	8704675	8125582	8949	0	Pass
2	2760419	8703833	8124172	8807	0	Pass
3	2761171	8707859	8129656	8770	0	Pass
4	2759555	8707063	8119020	8885	0	Pass
5	2762117	8724371	8133843	8905	0	Pass
6	2763238	8728564	8142568	8696	0	Pass
7	2759451	8704302	8123817	8932	0	Pass
8	2764003	8735752	8150443	8834	0	Pass
9	2757722	8687066	8110226	8922	0	Pass
10	2760469	8715000	8128455	8853	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	46350.452	9942.996	0.000	0.000	Pass
2	46350.435	9952.749	0.000	0.000	Pass
3	46363.156	9927.796	0.000	0.000	Pass
4	46335.819	10096.573	0.000	0.000	Pass
5	46379.160	10139.522	0.000	0.000	Pass
6	46398.124	10061.828	0.000	0.000	Pass
7	46334.059	9966.792	0.000	0.000	Pass
8	46411.065	10050.116	0.000	0.000	Pass
9	46304.810	9904.022	0.000	0.000	Pass
10	46351.281	10070.952	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 10:21:30  
 Results file name: 033K2130.VER  
 Inspection number:  
 Item id: BC4 202003  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles:	5960.148 +-	4.523
Doubles:	166.200 +-	2.614
Triples:	0.000 +-	0.000
Scaler 1:	50.877 +-	0.278
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	357272	145850	136426	3026	0	Pass
2	356920	145555	135545	3057	0	Pass
3	356772	145474	135965	3101	0	Pass
4	355982	145192	135074	2997	0	Pass
5	357977	146376	136940	3047	0	Pass
6	356404	145474	135527	2958	0	Pass
7	358097	147167	136096	3147	0	Pass
8	356811	145740	135734	3052	0	Pass
9	358780	147154	136959	3058	0	Pass
10	357655	146426	136783	3083	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	5960.231	157.669	0.000	0.000	Pass
2	5954.353	167.472	0.000	0.000	Pass
3	5951.882	158.755	0.000	0.000	Pass
4	5938.690	169.277	0.000	0.000	Pass
5	5972.004	157.871	0.000	0.000	Pass
6	5945.737	166.417	0.000	0.000	Pass
7	5974.008	185.226	0.000	0.000	Pass
8	5952.533	167.405	0.000	0.000	Pass
9	5985.413	170.571	0.000	0.000	Pass
10	5966.627	161.333	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 10:36:34  
 Results file name: 033K3634.VER  
 Inspection number:  
 Item id: BCS 202003  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 2472.823 +- 1.766  
 Doubles: 29.225 +- 1.282  
 Triples: 0.000 +- 0.000  
 Scaler 1: 44.613 +- 0.332  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	148572	25363	23503	2780	0	Pass
2	148803	25493	23486	2638	0	Pass
3	148216	25012	23378	2656	0	Pass
4	147990	25013	23057	2685	0	Pass
5	147928	24993	23413	2720	0	Pass
6	148236	25023	23316	2640	0	Pass
7	148142	24850	23267	2730	0	Pass
8	148908	25602	23459	2716	0	Pass
9	148136	25109	23395	2651	0	Pass
10	148174	24678	23355	2652	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2477.185	31.049	0.000	0.000	Pass
2	2481.038	33.503	0.000	0.000	Pass
3	2471.247	27.277	0.000	0.000	Pass
4	2467.477	32.652	0.000	0.000	Pass
5	2466.443	26.375	0.000	0.000	Pass
6	2471.580	28.495	0.000	0.000	Pass
7	2470.012	26.425	0.000	0.000	Pass
8	2482.789	35.774	0.000	0.000	Pass
9	2469.912	28.612	0.000	0.000	Pass
10	2470.546	22.085	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 10:51:38  
 Results file name: 033K5138.VER  
 Inspection number:  
 Item id: BCG 202003  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 784.797 +- 1.107  
 Doubles: 3.015 +- 0.309  
 Triples: 0.000 +- 0.000  
 Scaler 1: 63.252 +- 0.426  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	47281	2448	2342	3757	0	Pass
2	46862	2465	2380	3841	0	Pass
3	47560	2534	2301	3647	0	Pass
4	47065	2605	2367	3862	0	Pass
5	47157	2513	2247	3850	0	Pass
6	47055	2497	2350	3710	0	Pass
7	46921	2522	2304	3789	0	Pass
8	47061	2535	2362	3927	0	Pass
9	46941	2528	2354	3804	0	Pass
10	46916	2535	2367	3764	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	788.116	1.768	0.000	0.000	Pass
2	781.131	1.417	0.000	0.000	Pass
3	792.768	3.885	0.000	0.000	Pass
4	784.515	3.969	0.000	0.000	Pass
5	786.049	4.436	0.000	0.000	Pass
6	784.349	2.451	0.000	0.000	Pass
7	782.115	3.635	0.000	0.000	Pass
8	784.449	2.885	0.000	0.000	Pass
9	782.448	2.901	0.000	0.000	Pass
10	782.031	2.801	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 11:07:42  
 Results file name: 033L0742.VER  
 Inspection number:  
 Item id: BC7\_202003  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 961.352 +- 1.325  
 Doubles: 4.356 +- 0.369  
 Triples: 0.000 +- 0.000  
 Scaler 1: 103.687 +- 0.421  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	57259	3726	3447	6153	0	Pass
2	57621	3787	3590	6127	0	Pass
3	57779	3778	3481	6267	0	Pass
4	57709	3776	3536	6368	0	Pass
5	57689	3847	3574	6213	0	Pass
6	57665	3795	3501	6247	0	Pass
7	57587	3665	3563	6165	0	Pass
8	57820	3797	3488	6202	0	Pass
9	57395	3739	3474	6323	0	Pass
10	58198	3852	3496	6147	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	954.463	4.653	0.000	0.000	Pass
2	960.498	3.285	0.000	0.000	Pass
3	963.132	4.953	0.000	0.000	Pass
4	961.965	4.002	0.000	0.000	Pass
5	961.632	4.553	0.000	0.000	Pass
6	961.232	4.903	0.000	0.000	Pass
7	959.931	1.701	0.000	0.000	Pass
8	963.816	5.153	0.000	0.000	Pass
9	956.730	4.419	0.000	0.000	Pass
10	970.118	5.937	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 11:30:48  
 Results file name: 033L3048.VER  
 Inspection number:  
 Item id: BC8\_202003  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 560.212 +- 0.477  
 Doubles: 1.167 +- 0.184  
 Triples: 0.000 +- 0.000  
 Scaler 1: 41.225 +- 0.355  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	33580	1303	1284	2472	0	Pass
2	33689	1262	1218	2595	0	Pass
3	33467	1269	1185	2421	0	Pass
4	33570	1316	1219	2451	0	Pass
5	33661	1302	1252	2341	0	Pass
6	33529	1289	1210	2544	0	Pass
7	33723	1304	1216	2487	0	Pass
8	33516	1328	1227	2464	0	Pass
9	33639	1325	1206	2480	0	Pass
10	33723	1272	1253	2480	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	559.717	0.317	0.000	0.000	Pass
2	561.534	0.734	0.000	0.000	Pass
3	557.833	1.401	0.000	0.000	Pass
4	559.550	1.617	0.000	0.000	Pass
5	561.067	0.834	0.000	0.000	Pass
6	558.867	1.317	0.000	0.000	Pass
7	562.101	1.467	0.000	0.000	Pass
8	558.650	1.684	0.000	0.000	Pass
9	560.700	1.984	0.000	0.000	Pass
10	562.101	0.317	0.000	0.000	Pass

(2)



INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 14:33:37  
 Results file name: 03303337.VER  
 Inspection number:  
 Item id: BC9\_202003  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 1076.908 +- 1.246  
 Doubles: 4.970 +- 0.529  
 Triples: 0.000 +- 0.000  
 Scaler 1: 28.658 +- 0.164  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	64752	4791	4414	1753	0	Pass
2	64707	4713	4484	1761	0	Pass
3	64220	4634	4333	1746	0	Pass
4	64431	4733	4567	1705	0	Pass
5	64459	4561	4334	1661	0	Pass
6	64584	4726	4432	1707	0	Pass
7	65074	4849	4363	1695	0	Pass
8	64784	4832	4501	1727	0	Pass
9	64495	4774	4389	1701	0	Pass
10	64527	4613	4429	1739	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1079.387	6.288	0.000	0.000	Pass
2	1078.637	3.819	0.000	0.000	Pass
3	1070.517	5.020	0.000	0.000	Pass
4	1074.035	2.769	0.000	0.000	Pass
5	1074.502	3.786	0.000	0.000	Pass
6	1076.586	4.903	0.000	0.000	Pass
7	1084.755	8.106	0.000	0.000	Pass
8	1079.920	5.520	0.000	0.000	Pass
9	1075.102	6.421	0.000	0.000	Pass
10	1075.636	3.069	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 14:50:42  
 Results file name: 03305042.VER  
 Inspection number:  
 Item id: BC10\_202003  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1970  
 Multiplicity deadtime: 160.0000  
 Coefficient A deadtime: 0.6419  
 Coefficient B deadtime: 0.1030  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000  
 Passive triples bkgrnd: 0.000 +- 0.000

(1)

Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Passive results

Singles: 1053.206 +- 1.457  
 Doubles: 4.827 +- 0.674  
 Triples: 0.000 +- 0.000  
 Scaler 1: 32.033 +- 0.251  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	62977	4551	4137	1879	0	Pass
2	63354	4467	4273	1860	0	Pass
3	63332	4620	4251	1876	0	Pass
4	62858	4579	4195	1962	0	Pass
5	63174	4443	4334	1894	0	Pass
6	63506	4561	4318	1969	0	Pass
7	63052	4510	4276	1972	0	Pass
8	62743	4423	4309	1976	0	Pass
9	63224	4601	4241	1951	0	Pass
10	63597	4662	4189	1881	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1049.794	6.905	0.000	0.000	Pass
2	1056.079	3.236	0.000	0.000	Pass
3	1055.712	6.154	0.000	0.000	Pass
4	1047.810	6.404	0.000	0.000	Pass
5	1053.078	1.818	0.000	0.000	Pass
6	1058.613	4.053	0.000	0.000	Pass
7	1051.044	3.903	0.000	0.000	Pass
8	1045.892	1.901	0.000	0.000	Pass
9	1053.912	6.004	0.000	0.000	Pass
10	1060.130	7.889	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 09:32:17  
 Results file name: 033J3217.VER  
 Inspection number:  
 Item id: BT1 202003  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 1251.120 +- 1.281  
 Doubles: 7.202 +- 0.561  
 Triples: 0.000 +- 0.000  
 Scaler 1: 2410.755 +- 1.794  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	75100	6514	5981	144095	0	Pass
2	75105	6526	6055	144602	0	Pass
3	74983	6399	5969	145277	0	Pass
4	75262	6466	6065	144822	0	Pass
5	75581	6627	6012	144859	0	Pass
6	75083	6315	6024	144730	0	Pass
7	75151	6498	6044	144568	0	Pass
8	74812	6348	5988	144363	0	Pass
9	74765	6359	5863	144849	0	Pass
10	74830	6344	6074	144288	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1251.667	8.883	0.000	0.000	Pass
2	1251.750	7.850	0.000	0.000	Pass
3	1249.717	7.167	0.000	0.000	Pass
4	1254.367	6.683	0.000	0.000	Pass
5	1259.683	10.250	0.000	0.000	Pass
6	1251.383	4.850	0.000	0.000	Pass
7	1252.517	7.567	0.000	0.000	Pass
8	1246.867	6.000	0.000	0.000	Pass
9	1246.083	8.267	0.000	0.000	Pass
10	1247.167	4.500	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 09:48:21  
 Results file name: 033J4821.VER  
 Inspection number:  
 Item id: BT2 202003  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles: 3325.742 +- 3.117  
 Doubles: 50.345 +- 1.279  
 Triples: 0.000 +- 0.000  
 Scaler 1: 593.155 +- 0.642  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	198995	45107	42389	35612	0	Pass
2	199510	46226	42893	35662	0	Pass
3	199543	45829	42471	35466	0	Pass
4	199437	45421	42721	35445	0	Pass
5	199448	45516	42489	35401	0	Pass
6	199338	45600	42727	35705	0	Pass
7	200539	45738	42667	35545	0	Pass
8	200511	46242	42964	35764	0	Pass
9	198619	45046	42035	35691	0	Pass
10	199505	45364	42526	35602	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3316.583	45.300	0.000	0.000	Pass
2	3325.167	55.550	0.000	0.000	Pass
3	3325.717	55.967	0.000	0.000	Pass
4	3323.950	45.000	0.000	0.000	Pass
5	3324.133	50.450	0.000	0.000	Pass
6	3322.300	47.883	0.000	0.000	Pass
7	3342.317	51.183	0.000	0.000	Pass
8	3341.850	54.633	0.000	0.000	Pass
9	3310.317	50.183	0.000	0.000	Pass
10	3325.083	47.300	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 10:05:26  
 Results file name: 033K0526.VER  
 Inspection number:  
 Item id: BT3 202003  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles:	46014.275 +-	9.827
Doubles:	9717.838 +-	25.008
Triples:	0.000 +-	0.000
Scaler 1:	147.588 +-	0.423
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2760420	8704675	8125582	8949	0	Pass
2	2760419	8703833	8124172	8807	0	Pass
3	2761171	8707859	8129656	8770	0	Pass
4	2759555	8707063	8119020	8885	0	Pass
5	2762117	8724371	8133843	8905	0	Pass
6	2763238	8728564	8142568	8696	0	Pass
7	2759451	8704302	8123817	8932	0	Pass
8	2764003	8735752	8150443	8834	0	Pass
9	2757722	8687066	8110226	8922	0	Pass
10	2760469	8715000	8128455	8853	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	46007.000	9651.550	0.000	0.000	Pass
2	46006.983	9661.017	0.000	0.000	Pass
3	46019.517	9636.717	0.000	0.000	Pass
4	45992.583	9800.717	0.000	0.000	Pass
5	46035.283	9842.133	0.000	0.000	Pass
6	46053.967	9766.600	0.000	0.000	Pass
7	45990.850	9674.750	0.000	0.000	Pass
8	46066.717	9755.150	0.000	0.000	Pass
9	45962.033	9614.000	0.000	0.000	Pass
10	46007.817	9775.750	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 10:21:30  
 Results file name: 033K2130.VER  
 Inspection number:  
 Item id: BT4 202003  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles:	5954.450 +-	4.514
Doubles:	165.565 +-	2.604
Triples:	0.000 +-	0.000
Scaler 1:	50.877 +-	0.278
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	357272	145850	136426	3026	0	Pass
2	356920	145555	135545	3057	0	Pass
3	356772	145474	135965	3101	0	Pass
4	355982	145192	135074	2997	0	Pass
5	357977	146376	136940	3047	0	Pass
6	356404	145474	135527	2958	0	Pass
7	358097	147167	136096	3147	0	Pass
8	356811	145740	135734	3052	0	Pass
9	358780	147154	136959	3058	0	Pass
10	357655	146426	136783	3083	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	5954.533	157.067	0.000	0.000	Pass
2	5948.667	166.833	0.000	0.000	Pass
3	5946.200	158.150	0.000	0.000	Pass
4	5933.033	168.633	0.000	0.000	Pass
5	5966.283	157.267	0.000	0.000	Pass
6	5940.067	165.783	0.000	0.000	Pass
7	5968.283	184.517	0.000	0.000	Pass
8	5946.850	166.767	0.000	0.000	Pass
9	5979.667	169.917	0.000	0.000	Pass
10	5960.917	160.717	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 10:36:34  
 Results file name: 033K3634.VER  
 Inspection number:  
 Item id: BT5 202003  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles:	2471.842 +-	1.765
Doubles:	29.178 +-	1.280
Triples:	0.000 +-	0.000
Scaler 1:	44.613 +-	0.332
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	148572	25363	23503	2780	0	Pass
2	148803	25493	23486	2638	0	Pass
3	148216	25012	23378	2656	0	Pass
4	147990	25013	23057	2685	0	Pass
5	147928	24993	23413	2720	0	Pass
6	148236	25023	23316	2640	0	Pass
7	148142	24850	23267	2730	0	Pass
8	148908	25602	23459	2716	0	Pass
9	148136	25109	23395	2651	0	Pass
10	148174	24678	23355	2652	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2476.200	31.000	0.000	0.000	Pass
2	2480.050	33.450	0.000	0.000	Pass
3	2470.267	27.233	0.000	0.000	Pass
4	2466.500	32.600	0.000	0.000	Pass
5	2465.467	26.333	0.000	0.000	Pass
6	2470.600	28.450	0.000	0.000	Pass
7	2469.033	26.383	0.000	0.000	Pass
8	2481.800	35.717	0.000	0.000	Pass
9	2468.933	28.567	0.000	0.000	Pass
10	2469.567	22.050	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 10:51:38  
 Results file name: 033K5138.VER  
 Inspection number:  
 Item id: BT6 202003  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles:	784.698 +-	1.107
Doubles:	3.013 +-	0.308
Triples:	0.000 +-	0.000
Scaler 1:	63.252 +-	0.426
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	47281	2448	2342	3757	0	Pass
2	46862	2465	2380	3841	0	Pass
3	47560	2534	2301	3647	0	Pass
4	47065	2605	2367	3862	0	Pass
5	47157	2513	2247	3850	0	Pass
6	47055	2497	2350	3710	0	Pass
7	46921	2522	2304	3789	0	Pass
8	47061	2535	2362	3927	0	Pass
9	46941	2528	2354	3804	0	Pass
10	46916	2535	2367	3764	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	788.017	1.767	0.000	0.000	Pass
2	781.033	1.417	0.000	0.000	Pass
3	792.667	3.883	0.000	0.000	Pass
4	784.417	3.967	0.000	0.000	Pass
5	785.950	4.433	0.000	0.000	Pass
6	784.250	2.450	0.000	0.000	Pass
7	782.017	3.633	0.000	0.000	Pass
8	784.350	2.883	0.000	0.000	Pass
9	782.350	2.900	0.000	0.000	Pass
10	781.933	2.800	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 11:07:42  
 Results file name: 033L0742.VER  
 Inspection number:  
 Item id: BT7\_202003  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles:	961.203 +-	1.325
Doubles:	4.353 +-	0.369
Triples:	0.000 +-	0.000
Scaler 1:	103.687 +-	0.421
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	57259	3726	3447	6153	0	Pass
2	57621	3787	3590	6127	0	Pass
3	57779	3778	3481	6267	0	Pass
4	57709	3776	3536	6368	0	Pass
5	57689	3847	3574	6213	0	Pass
6	57665	3795	3501	6247	0	Pass
7	57587	3665	3563	6165	0	Pass
8	57820	3797	3488	6202	0	Pass
9	57395	3739	3474	6323	0	Pass
10	58198	3852	3496	6147	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	954.317	4.650	0.000	0.000	Pass
2	960.350	3.283	0.000	0.000	Pass
3	962.983	4.950	0.000	0.000	Pass
4	961.817	4.000	0.000	0.000	Pass
5	961.483	4.550	0.000	0.000	Pass
6	961.083	4.900	0.000	0.000	Pass
7	959.783	1.700	0.000	0.000	Pass
8	963.667	5.150	0.000	0.000	Pass
9	956.583	4.417	0.000	0.000	Pass
10	969.967	5.933	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 11:30:48  
 Results file name: 033L3048.VER  
 Inspection number:  
 Item id: BT8\_202003  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles:	560.162 +-	0.477
Doubles:	1.167 +-	0.184
Triples:	0.000 +-	0.000
Scaler 1:	41.225 +-	0.355
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	33580	1303	1284	2472	0	Pass
2	33689	1262	1218	2595	0	Pass
3	33467	1269	1185	2421	0	Pass
4	33570	1316	1219	2451	0	Pass
5	33661	1302	1252	2341	0	Pass
6	33529	1289	1210	2544	0	Pass
7	33723	1304	1216	2487	0	Pass
8	33516	1328	1227	2464	0	Pass
9	33639	1325	1206	2480	0	Pass
10	33723	1272	1253	2480	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	559.667	0.317	0.000	0.000	Pass
2	561.483	0.733	0.000	0.000	Pass
3	557.783	1.400	0.000	0.000	Pass
4	559.500	1.617	0.000	0.000	Pass
5	561.017	0.833	0.000	0.000	Pass
6	558.817	1.317	0.000	0.000	Pass
7	562.050	1.467	0.000	0.000	Pass
8	558.600	1.683	0.000	0.000	Pass
9	560.650	1.983	0.000	0.000	Pass
10	562.050	0.317	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 14:33:37  
 Results file name: 03303337.VER  
 Inspection number:  
 Item id: BT9\_202003  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles:	1076.722 +-	1.245
Doubles:	4.967 +-	0.528
Triples:	0.000 +-	0.000
Scaler 1:	28.658 +-	0.164
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	64752	4791	4414	1753	0	Pass
2	64707	4713	4484	1761	0	Pass
3	64220	4634	4333	1746	0	Pass
4	64431	4733	4567	1705	0	Pass
5	64459	4561	4334	1661	0	Pass
6	64584	4726	4432	1707	0	Pass
7	65074	4849	4363	1695	0	Pass
8	64784	4832	4501	1727	0	Pass
9	64495	4774	4389	1701	0	Pass
10	64527	4613	4429	1739	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1079.200	6.283	0.000	0.000	Pass
2	1078.450	3.817	0.000	0.000	Pass
3	1070.333	5.017	0.000	0.000	Pass
4	1073.850	2.767	0.000	0.000	Pass
5	1074.317	3.783	0.000	0.000	Pass
6	1076.400	4.900	0.000	0.000	Pass
7	1084.567	8.100	0.000	0.000	Pass
8	1079.733	5.517	0.000	0.000	Pass
9	1074.917	6.417	0.000	0.000	Pass
10	1075.450	3.067	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_01  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 14:50:42  
 Results file name: 03305042.VER  
 Inspection number:  
 Item id: BT10\_202003  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0080  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

Known alpha analysis error

Results

Singles:	1053.028 +-	1.457
Doubles:	4.823 +-	0.674
Triples:	0.000 +-	0.000
Scaler 1:	32.033 +-	0.251
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	62977	4551	4137	1879	0	Pass
2	63354	4467	4273	1860	0	Pass
3	63332	4620	4251	1876	0	Pass
4	62856	4579	4195	1962	0	Pass
5	63174	4443	4334	1894	0	Pass
6	63506	4561	4318	1969	0	Pass
7	63052	4510	4276	1972	0	Pass
8	62743	4423	4309	1976	0	Pass
9	63224	4601	4241	1951	0	Pass
10	63597	4662	4189	1881	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1049.617	6.900	0.000	0.000	Pass
2	1055.900	3.233	0.000	0.000	Pass
3	1055.533	6.150	0.000	0.000	Pass
4	1047.633	6.400	0.000	0.000	Pass
5	1052.900	1.817	0.000	0.000	Pass
6	1058.433	4.050	0.000	0.000	Pass
7	1050.867	3.900	0.000	0.000	Pass
8	1045.717	1.900	0.000	0.000	Pass
9	1053.733	6.000	0.000	0.000	Pass
10	1059.950	7.883	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 09:32:17  
 Results file name: 033J3217.VER  
 Inspection number:  
 Item id: PB1 202003  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 1007.612 +- 1.331  
 Doubles: 3.655 +- 0.377  
 Triples: 0.000 +- 0.000  
 Scaler 1: 49.023 +- 0.308  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	60394	4088	3921	2950	0	Pass
2	60297	4142	3879	3011	0	Pass
3	60487	4142	3842	2866	0	Pass
4	60754	4144	4049	2912	0	Pass
5	60556	4170	3923	3056	0	Pass
6	60241	4059	3862	2927	0	Pass
7	60226	4067	3855	2960	0	Pass
8	60961	4189	4030	2943	0	Pass
9	60157	4132	3792	2918	0	Pass
10	60494	4076	3863	2871	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1006.567	2.783	0.000	0.000	Pass
2	1004.950	4.383	0.000	0.000	Pass
3	1008.117	5.000	0.000	0.000	Pass
4	1012.567	1.583	0.000	0.000	Pass
5	1009.267	4.117	0.000	0.000	Pass
6	1004.017	3.283	0.000	0.000	Pass
7	1003.767	3.533	0.000	0.000	Pass
8	1016.017	2.650	0.000	0.000	Pass
9	1002.617	5.667	0.000	0.000	Pass
10	1008.233	3.550	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 09:48:21  
 Results file name: 033J4821.VER  
 Inspection number:  
 Item id: PB2 202003  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 1236.402 +- 1.854  
 Doubles: 6.625 +- 0.649  
 Triples: 0.000 +- 0.000  
 Scaler 1: 42.278 +- 0.200  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	73825	6352	5868	2546	0	Pass
2	74361	6458	5814	2541	0	Pass
3	73922	6165	5874	2585	0	Pass
4	74711	6266	6012	2580	0	Pass
5	74488	6346	6000	2556	0	Pass
6	74011	6113	5791	2484	0	Pass
7	74196	6318	5841	2523	0	Pass
8	74460	6262	5786	2540	0	Pass
9	74310	6328	5920	2547	0	Pass
10	73557	6066	5793	2465	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1230.417	8.067	0.000	0.000	Pass
2	1239.350	10.733	0.000	0.000	Pass
3	1232.033	4.850	0.000	0.000	Pass
4	1245.183	4.233	0.000	0.000	Pass
5	1241.467	5.767	0.000	0.000	Pass
6	1233.517	5.367	0.000	0.000	Pass
7	1236.600	7.950	0.000	0.000	Pass
8	1241.000	7.933	0.000	0.000	Pass
9	1238.500	6.800	0.000	0.000	Pass
10	1225.950	4.550	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 10:05:25  
 Results file name: 033K0525.VER  
 Inspection number:  
 Item id: PB3 202003  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 669.555 +- 1.478  
 Doubles: 1.983 +- 0.332  
 Triples: 0.000 +- 0.000  
 Scaler 1: 54.807 +- 0.237  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	40530	1833	1743	3322	0	Pass
2	40445	1903	1702	3346	0	Pass
3	39858	1848	1640	3298	0	Pass
4	39635	1784	1683	3273	0	Pass
5	40077	1853	1703	3267	0	Pass
6	40094	1802	1762	3256	0	Pass
7	40320	1851	1702	3215	0	Pass
8	40073	1796	1765	3363	0	Pass
9	40414	1895	1741	3257	0	Pass
10	40287	1834	1768	3287	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	675.500	1.500	0.000	0.000	Pass
2	674.083	3.350	0.000	0.000	Pass
3	664.300	3.467	0.000	0.000	Pass
4	660.583	1.683	0.000	0.000	Pass
5	667.950	2.500	0.000	0.000	Pass
6	668.233	0.667	0.000	0.000	Pass
7	672.000	2.483	0.000	0.000	Pass
8	667.883	0.517	0.000	0.000	Pass
9	673.567	2.567	0.000	0.000	Pass
10	671.450	1.100	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 10:20:30  
 Results file name: 033K2030.VER  
 Inspection number:  
 Item id: PB4 202003  
 Stratam id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:  
  
 Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03  
  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001  
  
 Normalization constant: 1.0000 +- 0.0000  
  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 1408.567 +- 0.843  
 Doubles: 8.813 +- 0.644  
 Triples: 0.000 +- 0.000  
 Scaler 1: 232.520 +- 0.457  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	84515	8085	7614	13919	0	Pass
2	84416	8152	7622	13881	0	Pass
3	84664	8072	7628	13997	0	Pass
4	84275	8249	7678	14091	0	Pass
5	84818	8398	7729	14055	0	Pass
6	84489	8154	7520	13879	0	Pass
7	84474	8028	7744	13819	0	Pass
8	84325	8164	7651	14001	0	Pass
9	84609	8114	7639	13978	0	Pass
10	84555	8204	7507	13892	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1408.583	7.850	0.000	0.000	Pass
2	1406.933	8.833	0.000	0.000	Pass
3	1411.067	7.400	0.000	0.000	Pass
4	1404.583	9.517	0.000	0.000	Pass
5	1413.633	11.150	0.000	0.000	Pass
6	1408.150	10.567	0.000	0.000	Pass
7	1407.900	4.733	0.000	0.000	Pass
8	1405.417	8.550	0.000	0.000	Pass
9	1410.150	7.917	0.000	0.000	Pass
10	1409.250	11.617	0.000	0.000	Pass

(2)



INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: AFAS  
Detector id: JSR\_03  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 20.03.03 10:36:34  
Results file name: 033K3634.VER  
Inspection number:  
Item id: PBS 202003  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: OD  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 20.03.03  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 20.03.03

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.0127  
Multiplicity deadtime: 0.0000  
Coefficient A deadtime: 0.0000  
Coefficient B deadtime: 0.0000  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
Passive singles bkgrnd: 0.000 +- 0.000  
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.000  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
No known alpha calibration

Results

Singles: 1256.393 +- 1.595  
Doubles: 7.355 +- 0.604  
Triples: 0.000 +- 0.000  
Scaler 1: 125.680 +- 0.595  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	75643	6642	6162	7646	0	Pass
2	75650	6460	6050	7719	0	Pass
3	75025	6363	5977	7529	0	Pass
4	75314	6357	6011	7683	0	Pass
5	75215	6364	6105	7600	0	Pass
6	74796	6265	5920	7455	0	Pass
7	75388	6615	6035	7468	0	Pass
8	75463	6495	5989	7472	0	Pass
9	75609	6515	6048	7431	0	Pass
10	75733	6636	6002	7405	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1260.717	8.000	0.000	0.000	Pass
2	1260.833	6.833	0.000	0.000	Pass
3	1250.417	6.433	0.000	0.000	Pass
4	1255.233	5.767	0.000	0.000	Pass
5	1253.583	4.317	0.000	0.000	Pass
6	1246.600	5.750	0.000	0.000	Pass
7	1256.467	9.667	0.000	0.000	Pass
8	1257.717	8.433	0.000	0.000	Pass
9	1260.150	7.783	0.000	0.000	Pass
10	1262.217	10.567	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: AFAS  
Detector id: JSR\_03  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 20.03.03 10:51:38  
Results file name: 033K5138.VER  
Inspection number:  
Item id: PB6 202003  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: OD  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 20.03.03  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 20.03.03

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.0127  
Multiplicity deadtime: 0.0000  
Coefficient A deadtime: 0.0000  
Coefficient B deadtime: 0.0000  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
Passive singles bkgrnd: 0.000 +- 0.000  
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.000  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
No known alpha calibration

Results

Singles: 1701.762 +- 1.301  
Doubles: 13.707 +- 0.647  
Triples: 0.000 +- 0.000  
Scaler 1: 64.280 +- 0.217  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	102020	11699	11057	3853	0	Pass
2	101986	11784	11004	3778	0	Pass
3	102464	11957	11120	3858	0	Pass
4	102431	11974	11224	3902	0	Pass
5	102046	11817	11110	3909	0	Pass
6	102402	12090	11009	3867	0	Pass
7	102160	11810	10953	3853	0	Pass
8	101855	11952	11060	3872	0	Pass
9	101820	11855	11083	3878	0	Pass
10	101873	11878	10972	3798	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1700.333	10.700	0.000	0.000	Pass
2	1699.767	13.000	0.000	0.000	Pass
3	1707.733	13.950	0.000	0.000	Pass
4	1707.183	12.500	0.000	0.000	Pass
5	1700.767	11.783	0.000	0.000	Pass
6	1706.700	18.017	0.000	0.000	Pass
7	1702.667	14.283	0.000	0.000	Pass
8	1697.583	14.867	0.000	0.000	Pass
9	1697.000	12.867	0.000	0.000	Pass
10	1697.883	15.100	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 11:07:43  
 Results file name: 033L0743.VER  
 Inspection number:  
 Item id: PB7 202003  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 4342.797 +- 2.786  
 Doubles: 84.557 +- 2.368  
 Triples: 0.000 +- 0.000  
 Scaler 1: 99.172 +- 0.423  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	260657	77825	72436	5855	0	Pass
2	260408	77301	72518	5946	0	Pass
3	260853	78148	72525	6099	0	Pass
4	259435	76612	71706	5942	0	Pass
5	260442	77701	72263	5886	0	Pass
6	260928	77164	73024	5942	0	Pass
7	261090	77766	72922	5841	0	Pass
8	260119	77455	72125	6036	0	Pass
9	261267	77919	73071	6006	0	Pass
10	260479	77617	72184	5950	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	4344.283	89.817	0.000	0.000	Pass
2	4340.133	79.717	0.000	0.000	Pass
3	4347.550	93.717	0.000	0.000	Pass
4	4323.917	81.767	0.000	0.000	Pass
5	4340.700	90.633	0.000	0.000	Pass
6	4348.800	69.000	0.000	0.000	Pass
7	4351.500	80.733	0.000	0.000	Pass
8	4335.317	88.833	0.000	0.000	Pass
9	4354.450	80.800	0.000	0.000	Pass
10	4341.317	90.550	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 11:30:48  
 Results file name: 033L3048.VER  
 Inspection number:  
 Item id: PB8 202003  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0127  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 37734.248 +- 6.791  
 Doubles: 6424.942 +- 19.139  
 Triples: 0.000 +- 0.000  
 Scaler 1: 308.557 +- 0.641  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2262775	5849383	5460208	18349	0	Pass
2	2265127	5854424	5473290	18451	0	Pass
3	2266451	5867033	5477869	18530	0	Pass
4	2263119	5847017	5466155	18622	0	Pass
5	2264791	5852089	5468854	18419	0	Pass
6	2263914	5850389	5465247	18634	0	Pass
7	2263607	5851957	5464494	18363	0	Pass
8	2261934	5842497	5454221	18718	0	Pass
9	2264327	5854836	5465441	18556	0	Pass
10	2264504	5851040	5469921	18492	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	37712.917	6486.250	0.000	0.000	Pass
2	37752.117	6352.233	0.000	0.000	Pass
3	37774.183	6486.067	0.000	0.000	Pass
4	37718.650	6347.700	0.000	0.000	Pass
5	37746.517	6387.250	0.000	0.000	Pass
6	37731.900	6419.033	0.000	0.000	Pass
7	37726.783	6457.717	0.000	0.000	Pass
8	37698.900	6471.267	0.000	0.000	Pass
9	37738.783	6489.917	0.000	0.000	Pass
10	37741.733	6351.983	0.000	0.000	Pass

(2)

INCC 5.1.2

```

Facility: JMOX
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR_03
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 20.03.03 14:33:37
Results file name: 03303337.VER
Inspection number:
Item id: PB9 202003
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 20.03.03
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 20.03.03

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.0127
Multiplicity deadtime: 0.0000
Coefficient A deadtime: 0.0000
Coefficient B deadtime: 0.0000
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
    
```

(1)

```

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000
    
```

```

Number passive cycles: 10
Count time (sec): 60
    
```

Passive error messages

```

No passive calibration curve calibration
No known alpha calibration
    
```

Results

```

Singles: 7226.427 +- 3.918
Doubles: 236.133 +- 3.041
Triples: 0.000 +- 0.000
Scaler 1: 1025.258 +- 0.458
Scaler 2: 0.000 +- 0.000
    
```

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	434398	215721	201601	61544	0	Pass
2	433172	213870	200779	61584	0	Pass
3	432904	214089	200009	61510	0	Pass
4	432914	214542	199952	61582	0	Pass
5	433345	214654	200275	61652	0	Pass
6	434641	215956	201835	61463	0	Pass
7	432386	213135	199645	61351	0	Pass
8	433970	215638	200611	61419	0	Pass
9	433983	215671	200890	61532	0	Pass
10	434143	214645	200644	61518	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7239.967	235.333	0.000	0.000	Pass
2	7219.533	218.183	0.000	0.000	Pass
3	7215.067	234.667	0.000	0.000	Pass
4	7215.233	243.167	0.000	0.000	Pass
5	7222.417	239.650	0.000	0.000	Pass
6	7244.017	235.350	0.000	0.000	Pass
7	7206.433	224.833	0.000	0.000	Pass
8	7232.833	250.450	0.000	0.000	Pass
9	7233.050	246.350	0.000	0.000	Pass
10	7235.717	233.350	0.000	0.000	Pass

(2)

INCC 5.1.2

```

Facility: JMOX
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR_03
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 20.03.03 14:50:42
Results file name: 03305042.VER
Inspection number:
Item id: PB10 202003
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 20.03.03
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 20.03.03

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.0127
Multiplicity deadtime: 0.0000
Coefficient A deadtime: 0.0000
Coefficient B deadtime: 0.0000
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
    
```

(1)

```

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000
    
```

```

Number passive cycles: 10
Count time (sec): 60
    
```

Passive error messages

```

No passive calibration curve calibration
No known alpha calibration
    
```

Results

```

Singles: 3076.913 +- 2.173
Doubles: 41.247 +- 1.499
Triples: 0.000 +- 0.000
Scaler 1: 2328.595 +- 1.747
Scaler 2: 0.000 +- 0.000
    
```

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	184542	38610	36467	139737	0	Pass
2	185102	39303	36485	140210	0	Pass
3	184565	39224	36423	139508	0	Pass
4	184903	39253	36559	138935	0	Pass
5	184729	38938	36560	139745	0	Pass
6	183791	38662	35964	139893	0	Pass
7	185022	39038	36870	139748	0	Pass
8	184251	38835	36373	139648	0	Pass
9	184947	38743	36701	139930	0	Pass
10	184296	38645	36101	139803	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3075.700	35.717	0.000	0.000	Pass
2	3085.033	46.967	0.000	0.000	Pass
3	3076.083	46.683	0.000	0.000	Pass
4	3081.717	44.900	0.000	0.000	Pass
5	3078.817	39.633	0.000	0.000	Pass
6	3063.183	44.967	0.000	0.000	Pass
7	3083.700	36.133	0.000	0.000	Pass
8	3070.850	41.033	0.000	0.000	Pass
9	3082.450	34.033	0.000	0.000	Pass
10	3071.600	42.400	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR\_03
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 20.03.03 09:32:17
Results file name: 033J3217.VER
Inspection number:
Item id: PC1 202003
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 20.03.03
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 20.03.03

Pre-delay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.1620
Multiplicity deadtime: 86.5000
Coefficient A deadtime: 0.3458
Coefficient B deadtime: 0.0299
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Passive error messages

No passive calibration curve calibration
No known alpha calibration

Results

Singles: 1007.699 +- 1.331
Doubles: 3.656 +- 0.378
Triples: 0.000 +- 0.000
Scaler 1: 49.023 +- 0.308
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Passive cycle rate data

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-10 showing cycle rate data.

(2)

INCC 5.1.2

Facility: JMOX
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR\_03
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 20.03.03 09:48:21
Results file name: 033J4821.VER
Inspection number:
Item id: PC2 202003
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 20.03.03
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 20.03.03

Pre-delay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.1620
Multiplicity deadtime: 86.5000
Coefficient A deadtime: 0.3458
Coefficient B deadtime: 0.0299
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Passive error messages

No passive calibration curve calibration
No known alpha calibration

Results

Singles: 1236.534 +- 1.855
Doubles: 6.628 +- 0.650
Triples: 0.000 +- 0.000
Scaler 1: 42.278 +- 0.200
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Passive cycle rate data

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-10 showing cycle rate data.

(2)

INCC 5.1.2

Facility: JMOX
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR\_03
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 20.03.03 10:05:25
Results file name: 033K0525.VER
Inspection number:
Item id: PC3 202003
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 20.03.03
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 20.03.03

Pre-delay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.1620
Multiplicity deadtime: 86.5000
Coefficient A deadtime: 0.3458
Coefficient B deadtime: 0.0299
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Passive error messages

No passive calibration curve calibration
No known alpha calibration

Results

Singles: 669.594 +- 1.479
Doubles: 1.984 +- 0.332
Triples: 0.000 +- 0.000
Scaler 1: 54.807 +- 0.237
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Passive cycle rate data

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-10 showing cycle rate data.

(2)

INCC 5.1.2

Facility: JMOX
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR\_03
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 20.03.03 10:20:30
Results file name: 033K2030.VER
Inspection number:
Item id: PC4 202003
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 20.03.03
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 20.03.03

Pre-delay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.1620
Multiplicity deadtime: 86.5000
Coefficient A deadtime: 0.3458
Coefficient B deadtime: 0.0299
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Passive error messages

No passive calibration curve calibration
No known alpha calibration

Results

Singles: 1408.738 +- 0.843
Doubles: 8.818 +- 0.644
Triples: 0.000 +- 0.000
Scaler 1: 232.520 +- 0.457
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Passive cycle rate data

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-10 showing cycle rate data.

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 10:36:34  
 Results file name: 033K3634.VER  
 Inspection number:  
 Item id: PCS 202003  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 1256.530 +- 1.596  
 Doubles: 7.358 +- 0.605  
 Triples: 0.000 +- 0.000  
 Scaler 1: 125.680 +- 0.595  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	75643	6642	6162	7646	0	Pass
2	75650	6460	6050	7719	0	Pass
3	75025	6363	5977	7529	0	Pass
4	75314	6357	6011	7683	0	Pass
5	75215	6364	6105	7600	0	Pass
6	74796	6265	5920	7455	0	Pass
7	75388	6615	6035	7468	0	Pass
8	75463	6495	5989	7472	0	Pass
9	75609	6515	6048	7431	0	Pass
10	75733	6636	6002	7405	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1260.854	8.003	0.000	0.000	Pass
2	1260.971	6.836	0.000	0.000	Pass
3	1250.552	6.436	0.000	0.000	Pass
4	1255.370	5.769	0.000	0.000	Pass
5	1253.719	4.319	0.000	0.000	Pass
6	1246.734	5.752	0.000	0.000	Pass
7	1256.603	9.671	0.000	0.000	Pass
8	1257.853	8.437	0.000	0.000	Pass
9	1260.287	7.787	0.000	0.000	Pass
10	1262.354	10.571	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 10:51:38  
 Results file name: 033K5138.VER  
 Inspection number:  
 Item id: PC6 202003  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 1702.012 +- 1.302  
 Doubles: 13.715 +- 0.647  
 Triples: 0.000 +- 0.000  
 Scaler 1: 64.280 +- 0.217  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	102020	11699	11057	3853	0	Pass
2	101986	11784	11004	3778	0	Pass
3	102464	11957	11120	3858	0	Pass
4	102431	11974	11224	3902	0	Pass
5	102046	11817	11110	3909	0	Pass
6	102402	12090	11009	3867	0	Pass
7	102160	11810	10953	3853	0	Pass
8	101855	11952	11060	3872	0	Pass
9	101820	11855	11083	3878	0	Pass
10	101873	11878	10972	3798	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	1700.583	10.706	0.000	0.000	Pass
2	1700.016	13.008	0.000	0.000	Pass
3	1707.986	13.958	0.000	0.000	Pass
4	1707.435	12.507	0.000	0.000	Pass
5	1701.017	11.790	0.000	0.000	Pass
6	1706.952	18.027	0.000	0.000	Pass
7	1702.917	14.292	0.000	0.000	Pass
8	1697.833	14.875	0.000	0.000	Pass
9	1697.249	12.874	0.000	0.000	Pass
10	1698.133	15.109	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR\_03
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 20.03.03 11:07:43
Results file name: 033L0743.VER
Inspection number:
Item id: PC7\_202003
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 20.03.03
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 20.03.03

Pre-delay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.1620
Multiplicity deadtime: 86.5000
Coefficient A deadtime: 0.3458
Coefficient B deadtime: 0.0299
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Passive error messages

No passive calibration curve calibration
No known alpha calibration

Results

Singles: 4344.428 +- 2.788
Doubles: 84.684 +- 2.372
Triples: 0.000 +- 0.000
Scaler 1: 99.172 +- 0.423
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Passive cycle rate data

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-10 showing cycle rate data.

(2)

INCC 5.1.2

Facility: JMOX
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR\_03
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 20.03.03 11:30:48
Results file name: 033L3048.VER
Inspection number:
Item id: PC8\_202003
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 20.03.03
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 20.03.03

Pre-delay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.1620
Multiplicity deadtime: 86.5000
Coefficient A deadtime: 0.3458
Coefficient B deadtime: 0.0299
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10
Count time (sec): 60

Passive error messages

No passive calibration curve calibration
No known alpha calibration

Results

Singles: 37857.946 +- 6.835
Doubles: 6509.604 +- 19.390
Triples: 0.000 +- 0.000
Scaler 1: 308.557 +- 0.641
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Table with 7 columns: Cycle, Singles, R+A, A, Scaler1, Scaler2, QC Tests. Rows 1-10 showing cycle data.

Passive cycle rate data

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-10 showing cycle rate data.

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 14:33:37  
 Results file name: 03303337.VER  
 Inspection number:  
 Item id: PC9 202003  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03

Pre-delay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 7230.945 +- 3.923  
 Doubles: 236.725 +- 3.049  
 Triples: 0.000 +- 0.000  
 Scaler 1: 1025.258 +- 0.458  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	434398	215721	201601	61544	0	Pass
2	433172	213870	200779	61584	0	Pass
3	432904	214089	200009	61510	0	Pass
4	432914	214542	199952	61582	0	Pass
5	433345	214654	200275	61652	0	Pass
6	434641	215956	201835	61463	0	Pass
7	432386	213135	199645	61351	0	Pass
8	433970	215638	200611	61419	0	Pass
9	433983	215671	200890	61532	0	Pass
10	434143	214645	200644	61518	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	7244.502	235.924	0.000	0.000	Pass
2	7224.043	218.729	0.000	0.000	Pass
3	7219.571	235.253	0.000	0.000	Pass
4	7219.738	243.775	0.000	0.000	Pass
5	7226.930	240.250	0.000	0.000	Pass
6	7248.557	235.941	0.000	0.000	Pass
7	7210.927	225.395	0.000	0.000	Pass
8	7237.360	251.078	0.000	0.000	Pass
9	7237.577	246.967	0.000	0.000	Pass
10	7240.247	233.935	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_03  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 14:50:42  
 Results file name: 03305042.VER  
 Inspection number:  
 Item id: PC10 202003  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03

Pre-delay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.1620  
 Multiplicity deadtime: 86.5000  
 Coefficient A deadtime: 0.3458  
 Coefficient B deadtime: 0.0299  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No passive calibration curve calibration  
 No known alpha calibration

Results

Singles: 3077.732 +- 2.174  
 Doubles: 41.291 +- 1.500  
 Triples: 0.000 +- 0.000  
 Scaler 1: 2328.595 +- 1.747  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	184542	38610	36467	139737	0	Pass
2	185102	39303	36485	140210	0	Pass
3	184565	39224	36423	139508	0	Pass
4	184903	39253	36559	138935	0	Pass
5	184729	38938	36560	139745	0	Pass
6	183791	38662	35964	139893	0	Pass
7	185022	39038	36870	139748	0	Pass
8	184251	38835	36373	139648	0	Pass
9	184947	38743	36701	139930	0	Pass
10	184296	38645	36101	139803	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	3076.518	35.755	0.000	0.000	Pass
2	3085.856	47.017	0.000	0.000	Pass
3	3076.902	46.733	0.000	0.000	Pass
4	3082.538	44.948	0.000	0.000	Pass
5	3079.636	39.676	0.000	0.000	Pass
6	3063.995	45.014	0.000	0.000	Pass
7	3084.522	36.172	0.000	0.000	Pass
8	3071.666	41.077	0.000	0.000	Pass
9	3083.272	34.070	0.000	0.000	Pass
10	3072.416	42.445	0.000	0.000	Pass

(2)



INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 09:32:15  
 Results file name: 033J3215.VER  
 Inspection number:  
 Item id: PT1 202003  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	37.632 +-	0.221
Doubles:	0.002 +-	0.013
Triples:	0.000 +-	0.000
Scaler 1:	93.757 +-	0.474
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2232	3	6	5533	0	Pass
2	2266	6	4	5656	0	Pass
3	2275	12	7	5676	0	Pass
4	2323	6	4	5462	0	Pass
5	2219	6	4	5625	0	Pass
6	2262	7	8	5599	0	Pass
7	2243	5	8	5716	0	Pass
8	2180	5	6	5652	0	Pass
9	2270	3	4	5770	0	Pass
10	2309	5	6	5565	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	37.200	-0.050	0.000	0.000	Pass
2	37.767	0.033	0.000	0.000	Pass
3	37.917	0.083	0.000	0.000	Pass
4	38.717	0.033	0.000	0.000	Pass
5	36.983	0.033	0.000	0.000	Pass
6	37.700	-0.017	0.000	0.000	Pass
7	37.383	-0.050	0.000	0.000	Pass
8	36.333	-0.017	0.000	0.000	Pass
9	37.833	-0.017	0.000	0.000	Pass
10	38.483	-0.017	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 09:48:19  
 Results file name: 033J4819.VER  
 Inspection number:  
 Item id: PT2 202003  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles:	57.115 +-	0.226
Doubles:	0.015 +-	0.020
Triples:	0.000 +-	0.000
Scaler 1:	160.120 +-	0.429
Scaler 2:	0.000 +-	0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	3346	17	12	9669	0	Pass
2	3466	11	11	9655	0	Pass
3	3447	13	10	9764	0	Pass
4	3485	13	9	9644	0	Pass
5	3468	9	15	9591	0	Pass
6	3434	15	12	9562	0	Pass
7	3405	15	18	9530	0	Pass
8	3433	15	18	9486	0	Pass
9	3396	14	10	9543	0	Pass
10	3389	15	13	9628	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	55.767	0.083	0.000	0.000	Pass
2	57.767	0.000	0.000	0.000	Pass
3	57.450	0.050	0.000	0.000	Pass
4	58.083	0.067	0.000	0.000	Pass
5	57.800	-0.100	0.000	0.000	Pass
6	57.233	0.050	0.000	0.000	Pass
7	56.750	-0.050	0.000	0.000	Pass
8	57.217	-0.050	0.000	0.000	Pass
9	56.600	0.067	0.000	0.000	Pass
10	56.483	0.033	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 10:05:24  
 Results file name: 033K0524.VER  
 Inspection number:  
 Item id: PT3 202003  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03

Pre-delay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 215.005 +- 0.846  
 Doubles: 0.100 +- 0.115  
 Triples: 0.000 +- 0.000  
 Scaler 1: 51.418 +- 0.285  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	12675	191	155	3132	0	Pass
2	12804	176	189	2994	0	Pass
3	12994	188	179	3036	0	Pass
4	12714	161	191	3155	0	Pass
5	12906	167	169	3086	0	Pass
6	12945	193	170	3055	0	Pass
7	13247	187	193	3139	0	Pass
8	12942	201	162	3122	0	Pass
9	12934	184	190	3102	0	Pass
10	12842	203	193	3030	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	211.250	0.600	0.000	0.000	Pass
2	213.400	-0.217	0.000	0.000	Pass
3	216.567	0.150	0.000	0.000	Pass
4	211.900	-0.500	0.000	0.000	Pass
5	215.100	-0.033	0.000	0.000	Pass
6	215.750	0.383	0.000	0.000	Pass
7	220.783	-0.100	0.000	0.000	Pass
8	215.700	0.650	0.000	0.000	Pass
9	215.567	-0.100	0.000	0.000	Pass
10	214.033	0.167	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 10:21:28  
 Results file name: 033K2128.VER  
 Inspection number:  
 Item id: PT4 202003  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03

Pre-delay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 826.448 +- 1.069  
 Doubles: 2.468 +- 0.508  
 Triples: 0.000 +- 0.000  
 Scaler 1: 42.307 +- 0.338  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	49595	2918	2646	2460	0	Pass
2	49756	2801	2621	2629	0	Pass
3	49521	2768	2659	2522	0	Pass
4	49788	2730	2604	2607	0	Pass
5	49517	2760	2526	2605	0	Pass
6	49765	2833	2618	2528	0	Pass
7	49577	2792	2759	2434	0	Pass
8	49090	2721	2608	2527	0	Pass
9	49562	2754	2785	2504	0	Pass
10	49698	2785	2555	2568	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	826.583	4.533	0.000	0.000	Pass
2	829.267	3.000	0.000	0.000	Pass
3	825.350	1.817	0.000	0.000	Pass
4	829.800	2.100	0.000	0.000	Pass
5	825.283	3.900	0.000	0.000	Pass
6	829.417	3.583	0.000	0.000	Pass
7	826.283	0.550	0.000	0.000	Pass
8	818.167	1.883	0.000	0.000	Pass
9	826.033	-0.517	0.000	0.000	Pass
10	828.300	3.833	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: AFAS  
Detector id: JSR\_02  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 20.03.03 10:36:32  
Results file name: 033K3632.VER  
Inspection number:  
Item id: PT5 202003  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: OD  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 20.03.03  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 20.03.03

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.0126  
Multiplicity deadtime: 0.0000  
Coefficient A deadtime: 0.0000  
Coefficient B deadtime: 0.0000  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
Passive singles bkgrnd: 0.000 +- 0.000  
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.000  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 2522.817 +- 1.345  
Doubles: 26.922 +- 0.862  
Triples: 0.000 +- 0.000  
Scaler 1: 45.293 +- 0.266  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	151111	26216	24666	2681	0	Pass
2	151581	26160	24607	2787	0	Pass
3	151554	26277	24451	2755	0	Pass
4	151515	26154	24381	2714	0	Pass
5	151198	25905	24475	2719	0	Pass
6	151142	26019	24167	2622	0	Pass
7	151283	26058	24533	2701	0	Pass
8	151685	26081	24688	2790	0	Pass
9	150976	25982	24270	2715	0	Pass
10	151645	26252	24713	2692	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	2518.517	25.833	0.000	0.000	Pass
2	2526.350	25.883	0.000	0.000	Pass
3	2525.900	30.433	0.000	0.000	Pass
4	2525.250	29.550	0.000	0.000	Pass
5	2519.967	23.833	0.000	0.000	Pass
6	2519.033	30.867	0.000	0.000	Pass
7	2521.383	25.417	0.000	0.000	Pass
8	2528.083	23.217	0.000	0.000	Pass
9	2516.267	28.533	0.000	0.000	Pass
10	2527.417	25.650	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
Material balance area: JM2G  
Detector type: AFAS  
Detector id: JSR\_02  
Electronics id: JSR-12  
Inventory change code:  
I/O code:  
Measurement date: 20.03.03 10:51:36  
Results file name: 033K5136.VER  
Inspection number:  
Item id: PT6 202003  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Review disk file  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment:

Isotopics id: Default  
Isotopics source code: OD  
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Pu date: 00.01.01 20.03.03  
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
Am date: 00.01.01 20.03.03

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1720  
Die away time: 50.0000  
Efficiency: 0.0126  
Multiplicity deadtime: 0.0000  
Coefficient A deadtime: 0.0000  
Coefficient B deadtime: 0.0000  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.0001  
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000  
Passive singles bkgrnd: 0.000 +- 0.000  
Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
Passive scaler1 bkgrnd: 0.000  
Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 32.818 +- 0.284  
Doubles: -0.002 +- 0.017  
Triples: 0.000 +- 0.000  
Scaler 1: 2169.107 +- 2.181  
Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2038	4	2	129919	0	Pass
2	1908	5	3	130138	0	Pass
3	1903	6	6	129760	0	Pass
4	2010	5	1	131162	0	Pass
5	1968	6	6	130045	0	Pass
6	1971	3	6	130421	0	Pass
7	2010	5	3	129987	0	Pass
8	2026	3	1	130259	0	Pass
9	1970	3	9	130045	0	Pass
10	1887	1	5	129728	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	33.967	0.033	0.000	0.000	Pass
2	31.800	0.033	0.000	0.000	Pass
3	31.717	0.000	0.000	0.000	Pass
4	33.500	0.067	0.000	0.000	Pass
5	32.800	0.000	0.000	0.000	Pass
6	32.850	-0.050	0.000	0.000	Pass
7	33.500	0.033	0.000	0.000	Pass
8	33.767	0.033	0.000	0.000	Pass
9	32.833	-0.100	0.000	0.000	Pass
10	31.450	-0.067	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 11:07:40  
 Results file name: 033L0740.VER  
 Inspection number:  
 Item id: PT7\_202003  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 29.710 +- 0.222  
 Doubles: 0.010 +- 0.010  
 Triples: 0.000 +- 0.000  
 Scaler 1: 746.767 +- 1.147  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	1840	0	2	44825	0	Pass
2	1811	8	4	44864	0	Pass
3	1776	5	6	44825	0	Pass
4	1723	3	1	45011	0	Pass
5	1852	4	3	44999	0	Pass
6	1775	4	4	44655	0	Pass
7	1735	5	4	44349	0	Pass
8	1781	4	1	44940	0	Pass
9	1749	3	4	44580	0	Pass
10	1784	1	2	45012	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	30.667	-0.033	0.000	0.000	Pass
2	30.183	0.067	0.000	0.000	Pass
3	29.600	-0.017	0.000	0.000	Pass
4	28.717	0.033	0.000	0.000	Pass
5	30.867	0.017	0.000	0.000	Pass
6	29.583	0.000	0.000	0.000	Pass
7	28.917	0.017	0.000	0.000	Pass
8	29.683	0.050	0.000	0.000	Pass
9	29.150	-0.017	0.000	0.000	Pass
10	29.733	-0.017	0.000	0.000	Pass

(2)

INCC 5.1.2

Facility: JMOX  
 Material balance area: JM2G  
 Detector type: AFAS  
 Detector id: JSR\_02  
 Electronics id: JSR-12  
 Inventory change code:  
 I/O code:  
 Measurement date: 20.03.03 11:30:46  
 Results file name: 033L3046.VER  
 Inspection number:  
 Item id: PT8\_202003  
 Stratium id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Review disk file  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment:

Isotopics id: Default  
 Isotopics source code: OD  
 Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000  
 Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Pu date: 00.01.01 20.03.03  
 Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000  
 Am date: 00.01.01 20.03.03

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1720  
 Die away time: 50.0000  
 Efficiency: 0.0126  
 Multiplicity deadtime: 0.0000  
 Coefficient A deadtime: 0.0000  
 Coefficient B deadtime: 0.0000  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.0001  
 Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000  
 Passive doubles bkgrnd: 0.000 +- 0.000

(1)

Passive triples bkgrnd: 0.000 +- 0.000  
 Passive scaler1 bkgrnd: 0.000  
 Passive scaler2 bkgrnd: 0.000

Number passive cycles: 10  
 Count time (sec): 60

Passive error messages

No known alpha calibration

Results

Singles: 43.002 +- 0.247  
 Doubles: 0.032 +- 0.031  
 Triples: 0.000 +- 0.000  
 Scaler 1: 218.505 +- 0.706  
 Scaler 2: 0.000 +- 0.000

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	2614	9	12	13242	0	Pass
2	2589	6	9	13111	0	Pass
3	2515	4	10	13212	0	Pass
4	2636	11	1	12940	0	Pass
5	2563	10	6	12996	0	Pass
6	2498	6	2	13274	0	Pass
7	2638	14	8	13017	0	Pass
8	2602	6	9	13177	0	Pass
9	2583	7	8	13222	0	Pass
10	2563	13	2	12912	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	43.567	-0.050	0.000	0.000	Pass
2	43.150	-0.050	0.000	0.000	Pass
3	41.917	-0.100	0.000	0.000	Pass
4	43.933	0.167	0.000	0.000	Pass
5	42.717	0.067	0.000	0.000	Pass
6	41.633	0.067	0.000	0.000	Pass
7	43.967	0.100	0.000	0.000	Pass
8	43.367	-0.050	0.000	0.000	Pass
9	43.050	-0.017	0.000	0.000	Pass
10	42.717	0.183	0.000	0.000	Pass

(2)

INCC 5.1.2

```

Facility: JMOX
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR_02
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 20.03.03 14:33:34
Results file name: 03303334_VER
Inspection number:
Item id: PT9_202003
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 20.03.03
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 20.03.03

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.0126
Multiplicity deadtime: 0.0000
Coefficient A deadtime: 0.0000
Coefficient B deadtime: 0.0000
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
    
```

(1)

```

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000
    
```

```

Number passive cycles: 10
Count time (sec): 60
    
```

Passive error messages

No known alpha calibration

Results

```

Singles: 142.133 +- 0.723
Doubles: 0.095 +- 0.062
Triples: 0.000 +- 0.000
Scaler 1: 90.155 +- 0.416
Scaler 2: 0.000 +- 0.000
    
```

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	8608	80	83	5430	0	Pass
2	8601	73	83	5362	0	Pass
3	8269	83	60	5279	0	Pass
4	8453	94	70	5420	0	Pass
5	8383	86	88	5341	0	Pass
6	8668	78	85	5398	0	Pass
7	8536	84	74	5432	0	Pass
8	8540	86	79	5386	0	Pass
9	8488	69	66	5473	0	Pass
10	8734	87	75	5572	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	143.467	-0.050	0.000	0.000	Pass
2	143.350	-0.167	0.000	0.000	Pass
3	137.817	0.383	0.000	0.000	Pass
4	140.883	0.400	0.000	0.000	Pass
5	139.717	-0.033	0.000	0.000	Pass
6	144.467	-0.117	0.000	0.000	Pass
7	142.267	0.167	0.000	0.000	Pass
8	142.333	0.117	0.000	0.000	Pass
9	141.467	0.050	0.000	0.000	Pass
10	145.567	0.200	0.000	0.000	Pass

(2)

INCC 5.1.2

```

Facility: JMOX
Material balance area: JM2G
Detector type: AFAS
Detector id: JSR_02
Electronics id: JSR-12
Inventory change code:
I/O code:
Measurement date: 20.03.03 14:50:38
Results file name: 03305038_VER
Inspection number:
Item id: PT10_202003
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Review disk file
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment:

Isotopics id: Default
Isotopics source code: OD
Pu238: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu239: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu240: 100.0000 +- 0.0000 100.0000 +- 0.0000
Pu241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu242: 0.0000 +- 0.0000 0.0000 +- 0.0000
Pu date: 00.01.01 20.03.03
Am241: 0.0000 +- 0.0000 0.0000 +- 0.0000
Am date: 00.01.01 20.03.03

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1720
Die away time: 50.0000
Efficiency: 0.0126
Multiplicity deadtime: 0.0000
Coefficient A deadtime: 0.0000
Coefficient B deadtime: 0.0000
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.0001
Triples gate fraction: 0.0001

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 0.000 +- 0.000
Passive doubles bkgrnd: 0.000 +- 0.000
    
```

(1)

```

Passive triples bkgrnd: 0.000 +- 0.000
Passive scaler1 bkgrnd: 0.000
Passive scaler2 bkgrnd: 0.000
    
```

```

Number passive cycles: 10
Count time (sec): 60
    
```

Passive error messages

No known alpha calibration

Results

```

Singles: 86.122 +- 0.335
Doubles: 0.037 +- 0.044
Triples: 0.000 +- 0.000
Scaler 1: 73.787 +- 0.414
Scaler 2: 0.000 +- 0.000
    
```

Passive cycle raw data

Cycle	Singles	R+A	A	Scaler1	Scaler2	QC Tests
1	5264	40	31	4387	0	Pass
2	5094	35	26	4464	0	Pass
3	5230	38	30	4313	0	Pass
4	5183	40	34	4464	0	Pass
5	5074	19	37	4530	0	Pass
6	5156	34	32	4406	0	Pass
7	5097	34	31	4406	0	Pass
8	5214	32	32	4353	0	Pass
9	5157	31	23	4566	0	Pass
10	5204	31	36	4383	0	Pass

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	87.733	0.150	0.000	0.000	Pass
2	84.900	0.150	0.000	0.000	Pass
3	87.167	0.133	0.000	0.000	Pass
4	86.383	0.100	0.000	0.000	Pass
5	84.567	-0.300	0.000	0.000	Pass
6	85.933	0.033	0.000	0.000	Pass
7	84.950	0.050	0.000	0.000	Pass
8	86.900	0.000	0.000	0.000	Pass
9	85.950	0.133	0.000	0.000	Pass
10	86.733	-0.083	0.000	0.000	Pass

(2)

## 【AVIS 性能確認試験】

- (1) 3.2 ガンマ線検出器内液体窒素の量の増減による  
中性子検出器への影響評価

INCC 5.1.2

Facility: PFFF  
 Material balance area: XXXX  
 Detector type: XXXX  
 Detector id: AVIS R-123  
 Electronics id:  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.20 10:03:55  
 Results file name: 99KK0355.VER  
 Inspection number:  
 Item id: A  
 Stratum id: XXXX  
 Bias uncertainty: 0.0000  
 Random uncertainty: 0.0000  
 Systematic uncertainty: 0.0000  
 Relative std deviation: 0.0000  
 Material type: Pu  
 Original declared mass: 1.000  
 Measurement option: Verification  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: PU-490020403  
 Isotopics source code: OD  
 Pu238: 1.1680 +- 0.0000 1.1179 +- 0.0000  
 Pu239: 63.2610 +- 0.0000 64.1033 +- 0.0000  
 Pu240: 26.6430 +- 0.0000 26.9827 +- 0.0000  
 Pu241: 4.1840 +- 0.0000 2.9880 +- 0.0000  
 Pu242: 4.7440 +- 0.0000 4.8081 +- 0.0000  
 Pu date: 12.06.21 19.09.20  
 Am241: 3.1000 +- 0.0000 4.4617 +- 0.0000  
 Am date: 11.12.08 19.09.20

Pre-delay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1740  
 Die away time: 30.0000  
 Efficiency: 0.6750  
 Multiplicity deadtime: 72.6000

(1)

Coefficient A deadtime: 0.2904  
 Coefficient B deadtime: 0.0211  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.7930  
 Triples gate fraction: 0.6225

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 6.605 +- 0.118  
 Passive doubles bkgrnd: 0.143 +- 0.069  
 Passive triples bkgrnd: 0.149 +- 0.110  
 Passive scaler1 bkgrnd: 0.602  
 Passive scaler2 bkgrnd: 3.045

Number passive cycles: 30  
 Count time (sec): 30

Passive messages

Known alpha: failed stratum rejection limits  
 Multiplicity: failed stratum rejection limits

Results

Singles: 609.377 +- 0.959  
 Doubles: 125.322 +- 0.638  
 Triples: 33.012 +- 0.409  
 Quads: 5.673 +- 0.227  
 Quads/Triples: 0.171 +- 0.006  
 Scaler 1: 172.297 +- 0.466  
 Scaler 2: 92.065 +- 0.345

PRIMARY RESULT

Known alpha results

Alpha: 0.859  
 Multiplication: 1.000  
 Multiplication corrected doubles: 125.322 +- 0.638  
 Pu240e mass (g): 0.387 +- 0.002  
 Pu240e (%): 37.877  
 Pu mass (g): 1.021 +- 0.005  
 Declared Pu240e mass (g): 0.374  
 Declared Pu mass (g): 0.987  
 Declared - assay Pu mass (g): -0.034 +- 0.005

(2)

Declared - assay Pu mass (%): -3.485 +- 0.527

Known alpha calibration parameters

Alpha weight: 1.000000e+000  
 Rho zero: 4.707231e-001  
 k: 2.166000e+000  
 a: 0.000000e+000  
 b: 3.240449e+002  
 variance a: 0.000000e+000  
 variance b: 0.000000e+000  
 covariance ab: 0.000000e+000  
 sigma x: 0.000000e+000

Passive multiplicity results

Multiplication: 1.007 +- 0.001  
 Alpha: 1.389 +- 0.012  
 Multiplication correction factor: 1.000  
 Pu240e mass (g): 0.368 +- 0.002  
 Pu240e (%): 37.877  
 Pu mass (g): 0.971 +- 0.005  
 Declared Pu240e mass (g): 0.374  
 Declared Pu mass (g): 0.987  
 Declared - assay Pu mass (g): 0.015 +- 0.005  
 Declared - assay Pu mass (%): 1.550 +- 0.530

Passive multiplicity calibration parameters

Spontaneous fission rate: 4.735000e+002  
 1st factorial moment spontaneous fission: 2.154000e+000  
 2nd factorial moment spontaneous fission: 3.789000e+000  
 3rd factorial moment spontaneous fission: 5.211000e+000  
 1st factorial moment induced fission: 3.163000e+000  
 2nd factorial moment induced fission: 8.240000e+000  
 3rd factorial moment induced fission: 1.732100e+001  
 a: 1.000000e+000  
 b: 0.000000e+000  
 c: 0.000000e+000  
 sigma x: 0.000000e+000  
 alpha weight: 0.000000e+000  
 efficiency correction factor: 1.000000e+000

Passive cycle rate data

(3)

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	604.289	122.412	30.300	0.373	Pass
2	610.689	121.178	31.099	0.361	Pass
3	608.022	122.412	33.387	0.351	Pass
4	612.356	128.313	35.890	0.362	Pass
5	607.789	129.046	33.264	0.384	Pass
6	606.822	128.413	35.385	0.366	Pass
7	620.024	125.013	32.557	0.370	Pass
8	603.389	123.545	33.453	0.356	Pass
9	599.488	123.112	30.931	0.372	Pass
10	599.355	119.244	30.125	0.359	Pass
11	611.956	128.580	33.948	0.377	Pass
12	609.456	127.513	33.281	0.377	Pass
13	609.023	129.980	36.513	0.366	Pass
14	604.655	126.279	32.759	0.374	Pass
15	617.423	124.213	33.784	0.357	Pass
16	609.089	125.346	31.047	0.382	Pass
17	602.322	123.679	35.604	0.342	Pass
18	615.890	126.113	34.678	0.360	Pass
19	601.255	118.544	29.537	0.360	Pass
20	612.856	124.046	34.077	0.354	Pass
21	610.723	122.612	29.195	0.383	Pass
22	613.656	126.646	34.098	0.367	Pass
23	610.189	132.180	35.169	0.386	Pass
24	614.756	129.980	34.090	0.383	Pass
25	605.289	124.112	31.628	0.372	Pass
26	610.689	127.680	35.069	0.365	Pass
27	608.422	130.747	35.471	0.377	Pass
28	613.723	122.012	29.821	0.375	Pass
29	614.156	120.578	29.740	0.369	Pass
30	613.556	126.146	34.450	0.362	Pass

(4)

サンプルA\_10L.txt

INCC 5.1.2

```

Facility: PFFF
Material balance area: XXXX
Detector type:
Detector id: AVIS R-123
Electronics id:
Inventory change code:
I/O code:
Measurement date: 19.09.20 10:33:27
Results file name: 99KK3327.VER
Inspection number:
Item id: A 10L
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Shift register
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name: JAEA
Passive comment:

Isotopics id: PU-490020403
Isotopics source code: OD
Pu238: 1.1680 +- 0.0000 1.1179 +- 0.0000
Pu239: 63.2610 +- 0.0000 64.1033 +- 0.0000
Pu240: 26.6430 +- 0.0000 26.9827 +- 0.0000
Pu241: 4.1840 +- 0.0000 2.9880 +- 0.0000
Pu242: 4.7440 +- 0.0000 4.8081 +- 0.0000
Pu date: 12.06.21 19.09.20
Am241: 3.1000 +- 0.0000 4.4617 +- 0.0000
Am date: 11.12.08 19.09.20

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1740
Die away time: 30.0000
Efficiency: 0.6750
Multiplicity deadtime: 72.6000
Coefficient A deadtime: 0.2904
Coefficient B deadtime: 0.0211
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.7930

```

(1)

サンプルA\_10L.txt

```

Triples gate fraction: 0.6225
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 6.605 +- 0.118
Passive doubles bkgrnd: 0.143 +- 0.069
Passive triples bkgrnd: 0.149 +- 0.110
Passive scaler1 bkgrnd: 0.602
Passive scaler2 bkgrnd: 3.045
Number passive cycles: 30
Count time (sec): 30

```

Passive messages

Known alpha: passed stratum rejection limits  
Multiplicity: passed stratum rejection limits

Results

```

Singles: 610.639 +- 1.084
Doubles: 126.572 +- 0.784
Triples: 33.256 +- 0.457
Quads: 5.625 +- 0.343
Quads/Triples: 0.167 +- 0.008
Scaler 1: 172.264 +- 0.488
Scaler 2: 92.137 +- 0.296

```

PRIMARY RESULT

Known alpha results

```

Alpha: 0.859
Multiplication: 1.000
Multiplication corrected doubles: 126.572 +- 0.784
Pu240e mass (g): 0.391 +- 0.002
Pu240e (%): 37.877
Pu mass (g): 1.031 +- 0.006

```

Known alpha calibration parameters

```

Alpha weight: 1.000000e+000
Rho zero: 4.707231e-001
k: 2.166000e+000

```

(2)

サンプルA\_10L.txt

```

a: 0.000000e+000
b: 3.240449e+002
variance a: 0.000000e+000
variance b: 0.000000e+000
covariance ab: 0.000000e+000
sigma x: 0.000000e+000

Passive multiplicity results
Multiplication: 1.007 +- 0.001
Alpha: 1.367 +- 0.013
Multiplication correction factor: 1.000
Pu240e mass (g): 0.372 +- 0.003
Pu240e (%): 37.877
Pu mass (g): 0.983 +- 0.007

Passive multiplicity calibration parameters
Spontaneous fission rate: 4.735000e+002
1st factorial moment spontaneous fission: 2.154000e+000
2nd factorial moment spontaneous fission: 3.789000e+000
3rd factorial moment spontaneous fission: 5.211000e+000
1st factorial moment induced fission: 3.163000e+000
2nd factorial moment induced fission: 8.240000e+000
3rd factorial moment induced fission: 1.732100e+001
a: 1.000000e+000
b: 0.000000e+000
c: 0.000000e+000
sigma x: 0.000000e+000
alpha weight: 0.000000e+000
efficiency correction factor: 1.000000e+000

```

Passive cycle rate data

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	614.790	124.346	31.440	0.374	Pass
2	611.556	125.746	33.621	0.366	Pass
3	607.356	124.312	34.708	0.351	Pass
4	619.523	132.848	32.848	0.406	Pass
5	604.455	123.945	31.334	0.373	Pass
6	613.523	130.880	39.654	0.349	Pass
7	607.856	122.779	31.755	0.365	Pass
8	605.856	128.380	34.925	0.369	Pass
9	610.056	127.313	34.809	0.365	Pass
10	607.989	123.312	30.531	0.376	Pass
11	615.190	124.513	31.272	0.377	Pass

(3)

サンプルA\_10L.txt

	12	605.656	129.846	35.366	0.373	Pass
13	619.057	131.847	33.636	0.395	Pass	
14	607.089	126.679	35.280	0.359	Pass	
15	611.589	128.113	35.531	0.364	Pass	
16	605.656	120.778	29.664	0.370	Pass	
17	605.989	123.079	31.319	0.369	Pass	
18	613.223	120.745	29.148	0.374	Pass	
19	604.789	126.112	31.353	0.384	Pass	
20	614.390	127.013	31.812	0.385	Pass	
21	603.722	120.845	31.966	0.354	Pass	
22	610.023	122.012	30.909	0.367	Pass	
23	613.323	129.947	32.685	0.393	Pass	
24	624.857	138.582	37.469	0.401	Pass	
25	623.924	134.081	37.161	0.381	Pass	
26	615.790	127.846	32.811	0.382	Pass	
27	603.855	123.912	34.127	0.353	Pass	
28	608.923	129.680	35.566	0.371	Pass	
29	603.255	122.745	31.749	0.364	Pass	
30	605.922	124.912	33.221	0.364	Pass	

(4)



INCC 5.1.2

Facility: PFFF  
 Material balance area: XXXX  
 Detector type: XXXX  
 Detector id: AVIS R-123  
 Electronics id:  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.09.20 11:02:08  
 Results file name: 99KL0208.VER  
 Inspection number:  
 Item id: A 20L  
 Stratum id: XXXX  
 Material type: Pu  
 Original declared mass: 0.000  
 Measurement option: Verification  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: PU-490020403  
 Isotopics source code: OD  
 Pu238: 1.1680 +- 0.0000 1.1179 +- 0.0000  
 Pu239: 63.2610 +- 0.0000 64.1033 +- 0.0000  
 Pu240: 26.6430 +- 0.0000 26.9827 +- 0.0000  
 Pu241: 4.1840 +- 0.0000 2.9880 +- 0.0000  
 Pu242: 4.7440 +- 0.0000 4.8081 +- 0.0000  
 Pu date: 12.06.21 19.09.20  
 Am241: 3.1000 +- 0.0000 4.4617 +- 0.0000  
 Am date: 11.12.08 19.09.20

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1740  
 Die away time: 30.0000  
 Efficiency: 0.6750  
 Multiplicity deadtime: 72.6000  
 Coefficient A deadtime: 0.2904  
 Coefficient B deadtime: 0.0211  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.7930

(1)

Triples gate fraction: 0.6225  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgrnd: 6.605 +- 0.118  
 Passive doubles bkgrnd: 0.143 +- 0.069  
 Passive triples bkgrnd: 0.149 +- 0.110  
 Passive scaler1 bkgrnd: 0.602  
 Passive scaler2 bkgrnd: 3.045  
 Number passive cycles: 30  
 Count time (sec): 30

Passive messages

Known alpha: passed stratum rejection limits  
 Multiplicity: passed stratum rejection limits

Results

Singles: 611.114 +- 0.908  
 Doubles: 126.868 +- 0.659  
 Triples: 33.159 +- 0.412  
 Quads: 5.496 +- 0.264  
 Quads/Triples: 0.164 +- 0.006  
 Scaler 1: 172.863 +- 0.426  
 Scaler 2: 92.242 +- 0.348

PRIMARY RESULT

Known alpha results  
 Alpha: 0.859  
 Multiplication: 1.000  
 Multiplication corrected doubles: 126.868 +- 0.659  
 Pu240e mass (g): 0.392 +- 0.002  
 Pu240e (%): 37.877  
 Pu mass (g): 1.034 +- 0.005

Known alpha calibration parameters

Alpha weight: 1.000000e+000  
 Rho zero: 4.707231e-001  
 k: 2.166000e+000

(2)

a: 0.000000e+000  
 b: 3.240449e+002  
 variance a: 0.000000e+000  
 variance b: 0.000000e+000  
 covariance ab: 0.000000e+000  
 sigma x: 0.000000e+000

Passive multiplicity results  
 Multiplication: 1.006 +- 0.001  
 Alpha: 1.356 +- 0.009  
 Multiplication correction factor: 1.000  
 Pu240e mass (g): 0.374 +- 0.002  
 Pu240e (%): 37.877  
 Pu mass (g): 0.988 +- 0.004

Passive multiplicity calibration parameters  
 Spontaneous fission rate: 4.735000e+002  
 1st factorial moment spontaneous fission: 2.154000e+000  
 2nd factorial moment spontaneous fission: 3.789000e+000  
 3rd factorial moment spontaneous fission: 5.211000e+000  
 1st factorial moment induced fission: 3.163000e+000  
 2nd factorial moment induced fission: 8.240000e+000  
 3rd factorial moment induced fission: 1.732100e+001  
 a: 1.000000e+000  
 b: 0.000000e+000  
 c: 0.000000e+000  
 sigma x: 0.000000e+000  
 alpha weight: 0.000000e+000  
 efficiency correction factor: 1.000000e+000

(3)

Cycle	Singles	Doubles	Triples	Mass	QC Tests
12	611.489	121.945	30.391	0.370	Pass
13	618.823	132.581	35.741	0.384	Pass
14	604.522	125.646	33.583	0.366	Pass
15	612.489	128.613	35.783	0.364	Pass
16	612.356	125.213	32.692	0.370	Pass
17	618.557	130.047	33.523	0.387	Pass
18	618.323	126.646	32.946	0.375	Pass
19	606.389	120.045	28.711	0.374	Pass
20	618.790	128.413	33.259	0.381	Pass
21	609.856	127.480	36.487	0.354	Pass
22	601.589	120.745	29.541	0.371	Pass
23	608.689	128.080	31.783	0.390	Pass
24	603.989	128.346	34.856	0.370	Pass
25	611.389	125.313	32.574	0.371	Pass
26	615.190	123.979	31.182	0.375	Pass
27	603.789	120.511	31.669	0.354	Pass
28	614.890	131.647	33.969	0.392	Pass
29	609.923	133.547	36.826	0.381	Pass
30	611.223	128.713	32.974	0.385	Pass

(4)

INCC 5.1.2

Facility: PFFF  
Material balance area: XXXX  
Detector type:  
Detector id: AVIS R-123  
Electronics id:  
Inventory change code:  
I/O code:  
Measurement date: 19.09.20 11:30:41  
Results file name: 99KL3041.VER  
Inspection number:  
Item id: A 30L  
Stratum id: XXXX  
Material type: Pu  
Original declared mass: 0.000  
Measurement option: Verification  
Data source: Shift register  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name: JAEA  
Passive comment:

Isotopics id: PU-490020403  
Isotopics source code: OD  
Pu238: 1.1680 +- 0.0000 1.1179 +- 0.0000  
Pu239: 63.2610 +- 0.0000 64.1033 +- 0.0000  
Pu240: 26.6430 +- 0.0000 26.9827 +- 0.0000  
Pu241: 4.1840 +- 0.0000 2.9880 +- 0.0000  
Pu242: 4.7440 +- 0.0000 4.8081 +- 0.0000  
Pu date: 12.06.21 19.09.20  
Am241: 3.1000 +- 0.0000 4.4617 +- 0.0000  
Am date: 11.12.08 19.09.20

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1740  
Die away time: 30.0000  
Efficiency: 0.6750  
Multiplicity deadtime: 72.6000  
Coefficient A deadtime: 0.2904  
Coefficient B deadtime: 0.0211  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.7930

(1)

Triples gate fraction: 0.6225  
Normalization constant: 1.0000 +- 0.0000  
Passive singles bkgrnd: 6.605 +- 0.118  
Passive doubles bkgrnd: 0.143 +- 0.069  
Passive triples bkgrnd: 0.149 +- 0.110  
Passive scaler1 bkgrnd: 0.602  
Passive scaler2 bkgrnd: 3.045  
Number passive cycles: 30  
Count time (sec): 30

Passive messages

Known alpha: passed stratum rejection limits  
Multiplicity: passed stratum rejection limits

Results

Singles: 610.165 +- 1.044  
Doubles: 126.193 +- 0.770  
Triples: 33.035 +- 0.481  
Quads: 5.313 +- 0.287  
Quads/Triples: 0.159 +- 0.007  
Scaler 1: 171.997 +- 0.509  
Scaler 2: 92.067 +- 0.354

```

|-----|
| PRIMARY RESULT |
|-----|
| Known alpha results |
|-----|
| Alpha: 0.859 |
| Multiplication: 1.000 |
| Multiplication corrected doubles: 126.193 +- 0.770 |
| Pu240e mass (g): 0.389 +- 0.002 |
| Pu240e (%): 37.877 |
| Pu mass (g): 1.028 +- 0.006 |
|-----|

```

Known alpha calibration parameters

Alpha weight: 1.000000e+000  
Rho zero: 4.707231e-001  
k: 2.166000e+000

(2)

a: 0.000000e+000  
b: 3.240449e+002  
variance a: 0.000000e+000  
variance b: 0.000000e+000  
covariance ab: 0.000000e+000  
sigma x: 0.000000e+000

Passive multiplicity results

Multiplication: 1.006 +- 0.001  
Alpha: 1.367 +- 0.012  
Multiplication correction factor: 1.000  
Pu240e mass (g): 0.372 +- 0.002  
Pu240e (%): 37.877  
Pu mass (g): 0.982 +- 0.006

Passive multiplicity calibration parameters

Spontaneous fission rate: 4.735000e+002  
1st factorial moment spontaneous fission: 2.154000e+000  
2nd factorial moment spontaneous fission: 3.789000e+000  
3rd factorial moment spontaneous fission: 5.211000e+000  
1st factorial moment induced fission: 3.163000e+000  
2nd factorial moment induced fission: 8.240000e+000  
3rd factorial moment induced fission: 1.732100e+001  
a: 1.000000e+000  
b: 0.000000e+000  
c: 0.000000e+000  
sigma x: 0.000000e+000  
alpha weight: 0.000000e+000  
efficiency correction factor: 1.000000e+000

(3)

12	607.422	128.746	33.820	0.379	Pass
13	608.289	128.080	35.781	0.362	Pass
14	606.056	127.446	34.688	0.366	Pass
15	606.756	124.412	33.020	0.363	Pass
16	611.656	127.080	33.940	0.370	Pass
17	616.123	128.047	31.170	0.395	Pass
18	616.023	128.180	32.495	0.386	Pass
19	615.790	127.180	31.686	0.387	Pass
20	607.422	125.346	33.887	0.362	Pass
21	602.489	116.444	30.268	0.344	Pass
22	611.423	124.646	31.281	0.377	Pass
23	600.455	122.845	33.742	0.351	Pass
24	607.422	122.312	28.143	0.389	Pass
25	605.422	125.279	33.919	0.361	Pass
26	605.589	119.378	31.230	0.352	Pass
27	619.890	128.913	35.083	0.371	Pass
28	612.323	127.446	32.579	0.381	Pass
29	615.956	132.114	36.667	0.375	Pass
30	614.156	133.581	37.131	0.379	Pass

(4)

INCC 5.1.2

Facility: PFFF
Material balance area: XXXX
Detector type:
Detector id: AVIS R-123
Electronics id:
Inventory change code:
I/O code:
Measurement date: 19.09.20 13:40:35
Results file name: 99KN4035.VER
Inspection number:
Item id: A 40L
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Shift register
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name: JAEA
Passive comment:

Isotopics id: PU-490020403
Isotopics source code: OD
Pu238: 1.1680 +- 0.0000 1.1179 +- 0.0000
Pu239: 63.2610 +- 0.0000 64.1033 +- 0.0000
Pu240: 26.6430 +- 0.0000 26.9827 +- 0.0000
Pu241: 4.1840 +- 0.0000 2.9880 +- 0.0000
Pu242: 4.7440 +- 0.0000 4.8081 +- 0.0000
Pu date: 12.06.21 19.09.20
Am241: 3.1000 +- 0.0000 4.4617 +- 0.0000
Am date: 11.12.08 19.09.20

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1740
Die away time: 30.0000
Efficiency: 0.6750
Multiplicity deadtime: 72.6000
Coefficient A deadtime: 0.2904
Coefficient B deadtime: 0.0211
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.7930

(1)

Triples gate fraction: 0.6225
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 6.605 +- 0.118
Passive doubles bkgrnd: 0.143 +- 0.069
Passive triples bkgrnd: 0.149 +- 0.110
Passive scaler1 bkgrnd: 0.602
Passive scaler2 bkgrnd: 3.045
Number passive cycles: 31
Count time (sec): 30

Passive messages

Known alpha: passed stratum rejection limits
Multiplicity: passed stratum rejection limits

Results

Singles: 610.163 +- 0.851
Doubles: 125.838 +- 0.688
Triples: 32.770 +- 0.412
Quads: 5.255 +- 0.171
Quads/Triples: 0.160 +- 0.004
Scaler 1: 172.912 +- 0.375
Scaler 2: 91.999 +- 0.347

PRIMARY RESULT
Known alpha results
Alpha: 0.859
Multiplication: 1.000
Multiplication corrected doubles: 125.838 +- 0.688
Pu240e mass (g): 0.388 +- 0.002
Pu240e (%): 37.877
Pu mass (g): 1.025 +- 0.006

Known alpha calibration parameters

Alpha weight: 1.000000e+000
Rho zero: 4.707231e-001
k: 2.166000e+000

(2)

a: 0.000000e+000
b: 3.240449e+002
variance a: 0.000000e+000
variance b: 0.000000e+000
covariance ab: 0.000000e+000
sigma x: 0.000000e+000

Passive multiplicity results

Multiplication: 1.006 +- 0.001
Alpha: 1.367 +- 0.011
Multiplication correction factor: 1.000
Pu240e mass (g): 0.372 +- 0.002
Pu240e (%): 37.877
Pu mass (g): 0.983 +- 0.006

Passive multiplicity calibration parameters

Spontaneous fission rate: 4.735000e+002
1st factorial moment spontaneous fission: 2.154000e+000
2nd factorial moment spontaneous fission: 3.789000e+000
3rd factorial moment spontaneous fission: 5.211000e+000
1st factorial moment induced fission: 3.163000e+000
2nd factorial moment induced fission: 8.240000e+000
3rd factorial moment induced fission: 1.732100e+001
a: 1.000000e+000
b: 0.000000e+000
c: 0.000000e+000
sigma x: 0.000000e+000
alpha weight: 0.000000e+000
efficiency correction factor: 1.000000e+000

Passive cycle rate data

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-11 showing cycle data.

(3)

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 12-31 showing cycle data.

(4)

INCC 5.1.2

Facility: PFFF
Material balance area: XXXX
Detector type:
Detector id: AVIS R-123
Electronics id:
Inventory change code:
I/O code:
Measurement date: 19.09.20 14:10:21
Results file name: 99K01021.VER
Inspection number:
Item id: A 50L
Stratum id: XXXX
Material type: Pu
Original declared mass: 0.000
Measurement option: Verification
Data source: Shift register
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name: JAEA
Passive comment:

Isotopics id: PU-490020403
Isotopics source code: OD
Pu238: 1.1680 +- 0.0000 1.1179 +- 0.0000
Pu239: 63.2610 +- 0.0000 64.1033 +- 0.0000
Pu240: 26.6430 +- 0.0000 26.9827 +- 0.0000
Pu241: 4.1840 +- 0.0000 2.9880 +- 0.0000
Pu242: 4.7440 +- 0.0000 4.8081 +- 0.0000
Pu date: 12.06.21 19.09.20
Am241: 3.1000 +- 0.0000 4.4617 +- 0.0000
Am date: 11.12.08 19.09.20

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1740
Die away time: 30.0000
Efficiency: 0.6750
Multiplicity deadtime: 72.6000
Coefficient A deadtime: 0.2904
Coefficient B deadtime: 0.0211
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.7930

(1)

Triples gate fraction: 0.6225
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 6.605 +- 0.118
Passive doubles bkgrnd: 0.143 +- 0.069
Passive triples bkgrnd: 0.149 +- 0.110
Passive scaler1 bkgrnd: 0.602
Passive scaler2 bkgrnd: 3.045
Number passive cycles: 30
Count time (sec): 30

Passive messages

Known alpha: passed stratum rejection limits
Multiplicity: passed stratum rejection limits

Results

Singles: 609.325 +- 0.994
Doubles: 125.199 +- 0.683
Triples: 32.459 +- 0.506
Quads: 5.250 +- 0.271
Quads/Triples: 0.160 +- 0.006
Scaler 1: 171.615 +- 0.472
Scaler 2: 92.389 +- 0.361

PRIMARY RESULT
Known alpha results
Alpha: 0.859
Multiplication: 1.000
Multiplication corrected doubles: 125.199 +- 0.683
Pu240e mass (g): 0.386 +- 0.002
Pu240e (%): 37.877
Pu mass (g): 1.020 +- 0.006

Known alpha calibration parameters

Alpha weight: 1.000000e+000
Rho zero: 4.707231e-001
k: 2.166000e+000

(2)

a: 0.000000e+000
b: 3.240449e+002
variance a: 0.000000e+000
variance b: 0.000000e+000
covariance ab: 0.000000e+000
sigma x: 0.000000e+000

Passive multiplicity results

Multiplication: 1.006 +- 0.001
Alpha: 1.370 +- 0.010
Multiplication correction factor: 1.000
Pu240e mass (g): 0.371 +- 0.002
Pu240e (%): 37.877
Pu mass (g): 0.980 +- 0.005

Passive multiplicity calibration parameters

Spontaneous fission rate: 4.735000e+002
1st factorial moment spontaneous fission: 2.154000e+000
2nd factorial moment spontaneous fission: 3.789000e+000
3rd factorial moment spontaneous fission: 5.211000e+000
1st factorial moment induced fission: 3.163000e+000
2nd factorial moment induced fission: 8.240000e+000
3rd factorial moment induced fission: 1.732100e+001
a: 1.000000e+000
b: 0.000000e+000
c: 0.000000e+000
sigma x: 0.000000e+000
alpha weight: 0.000000e+000
efficiency correction factor: 1.000000e+000

Passive cycle rate data

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-11 showing cycle data.

(3)

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 12-30 showing cycle data.

(4)

```

Facility: PFFF
Material balance area: XXXX
Detector type:
Detector id: AVIS R-123
Electronics id:
Inventory change code:
I/O code:
Measurement date: 19.08.21 09:59:34
Results file name: 98LJ5934.VER
Inspection number:
Item id: B 0L
Stratum id: XXXX
Bias uncertainty: 0.0000
Random uncertainty: 0.0000
Systematic uncertainty: 0.0000
Relative std deviation: 0.0000
Material type: Pu
Original declared mass: 9.010
Measurement option: Verification
Data source: Shift register
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name: JAEA
Passive comment:

Isotopics id: PU-490020403
Isotopics source code: OD
Pu238: 1.1680 +- 0.0000 1.1185 +- 0.0000
Pu239: 63.2610 +- 0.0000 64.0951 +- 0.0000
Pu240: 26.6430 +- 0.0000 26.9794 +- 0.0000
Pu241: 4.1840 +- 0.0000 2.9994 +- 0.0000
Pu242: 4.7440 +- 0.0000 4.8075 +- 0.0000
Pu date: 12.06.21 19.08.21
Am241: 3.1000 +- 0.0000 4.4499 +- 0.0000
Am date: 11.12.08 19.08.21

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1740
Die away time: 30.0000
Efficiency: 0.6750
Multiplicity deadtime: 72.6000

```

(1)

```

Coefficient A deadtime: 0.2904
Coefficient B deadtime: 0.0211
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.7930
Triples gate fraction: 0.6225

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgrnd: 6.837 +- 0.147
Passive doubles bkgrnd: 0.220 +- 0.093
Passive triples bkgrnd: 0.238 +- 0.132
Passive scaler1 bkgrnd: 0.702
Passive scaler2 bkgrnd: 3.027

Number passive cycles: 30
Count time (sec): 30

Passive messages

Known alpha: failed stratum rejection limits
Multiplicity: failed stratum rejection limits

Results

Singles: 5419.921 +- 2.596
Doubles: 1199.597 +- 2.707
Triples: 343.609 +- 2.250
Quads: 69.237 +- 2.017
Quads/Triples: 0.201 +- 0.005
Scaler 1: 1526.694 +- 1.384
Scaler 2: 818.967 +- 1.003

```

```

PRIMARY RESULT
Known alpha results
Alpha: 0.858
Multiplication: 1.000
Multiplication corrected doubles: 1199.597 +- 2.707
Pu240e mass (g): 3.702 +- 0.008
Pu240e (%): 37.875
Pu mass (g): 9.774 +- 0.022
Declared Pu240e mass (g): 3.367
Declared Pu mass (g): 8.891
Declared - assay Pu mass (g): -0.883 +- 0.022

```

(2)

```

| Declared - assay Pu mass (%): -9.935 +- 0.248|
|-----|
Known alpha calibration parameters
Alpha weight: 1.000000e+000
Rho zero: 4.707231e-001
k: 2.166000e+000
a: 0.000000e+000
b: 3.240449e+002
variance a: 0.000000e+000
variance b: 0.000000e+000
covariance ab: 0.000000e+000
sigma x: 0.000000e+000

Passive multiplicity results
Multiplication: 1.015 +- 0.001
Alpha: 1.322 +- 0.007
Multiplication correction factor: 1.000
Pu240e mass (g): 3.341 +- 0.013
Pu240e (%): 37.875
Pu mass (g): 8.820 +- 0.034
Declared Pu240e mass (g): 3.367
Declared Pu mass (g): 8.891
Declared - assay Pu mass (g): 0.071 +- 0.034
Declared - assay Pu mass (%): 0.798 +- 0.382

Passive multiplicity calibration parameters
Spontaneous fission rate: 4.735000e+002
1st factorial moment spontaneous fission: 2.154000e+000
2nd factorial moment spontaneous fission: 3.789000e+000
3rd factorial moment spontaneous fission: 5.211000e+000
1st factorial moment induced fission: 3.163000e+000
2nd factorial moment induced fission: 8.240000e+000
3rd factorial moment induced fission: 1.732100e+001
a: 1.000000e+000
b: 0.000000e+000
c: 0.000000e+000
sigma x: 0.000000e+000
alpha weight: 0.000000e+000
efficiency correction factor: 1.000000e+000

Passive cycle rate data

```

(3)

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	5437.215	1221.209	341.413	3.459	Pass
2	5448.423	1204.020	337.178	3.404	Pass
3	5425.806	1225.078	347.951	3.435	Pass
4	5426.973	1198.737	333.362	3.405	Pass
5	5427.941	1192.427	333.603	3.373	Pass
6	5415.864	1210.118	348.818	3.357	Pass
7	5420.435	1192.492	334.439	3.368	Pass
8	5425.272	1227.348	363.096	3.346	Pass
9	5419.267	1186.081	341.534	3.289	Pass
10	5426.473	1198.637	329.478	3.431	Pass
11	5380.737	1167.572	336.467	3.234	Pass
12	5427.340	1189.623	340.673	3.312	Pass
13	5431.443	1200.174	346.186	3.326	Pass
14	5415.831	1180.237	327.188	3.358	Pass
15	5431.510	1207.653	345.822	3.364	Pass
16	5427.407	1211.224	352.994	3.334	Pass
17	5408.492	1199.532	351.720	3.287	Pass
18	5402.054	1196.325	355.939	3.244	Pass
19	5411.227	1220.332	349.784	3.400	Pass
20	5419.267	1219.734	361.011	3.323	Pass
21	5413.196	1203.106	363.964	3.224	Pass
22	5425.105	1187.185	317.487	3.458	Pass
23	5429.342	1205.482	341.568	3.382	Pass
24	5434.379	1202.178	353.866	3.284	Pass
25	5395.081	1195.721	355.739	3.242	Pass
26	5411.661	1199.433	346.261	3.322	Pass
27	5407.925	1203.104	362.044	3.236	Pass
28	5400.052	1184.739	337.161	3.312	Pass
29	5439.617	1189.928	320.487	3.450	Pass
30	5412.295	1168.484	330.975	3.275	Pass

(4)

INCC 5.1.2

Facility: PFFF
Material balance area: XXXX
Detector type:
Detector id: AVIS R-123
Electronics id:
Inventory change code:
I/O code:
Measurement date: 19.08.21 10:35:58
Results file name: 98LK3558.VER
Inspection number:
Item id: B 10L
Stratum id: XXXX
Bias uncertainty: 0.0000
Random uncertainty: 0.0000
Systematic uncertainty: 0.0000
Relative std deviation: 0.0000
Material type: Pu
Original declared mass: 9.010
Measurement option: Verification
Data source: Shift register
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name: JAEA
Passive comment:

Isotopics id: PU-490020403
Isotopics source code: OD
Pu238: 1.1680 +- 0.0000 1.1185 +- 0.0000
Pu239: 63.2610 +- 0.0000 64.0951 +- 0.0000
Pu240: 26.6430 +- 0.0000 26.9794 +- 0.0000
Pu241: 4.1840 +- 0.0000 2.9994 +- 0.0000
Pu242: 4.7440 +- 0.0000 4.8075 +- 0.0000
Pu date: 12.06.21 19.08.21
Am241: 3.1000 +- 0.0000 4.4499 +- 0.0000
Am date: 11.12.08 19.08.21

Pre-delay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1740
Die away time: 30.0000
Efficiency: 0.6750
Multiplicity deadtime: 72.6000

(1)

Coefficient A deadtime: 0.2904
Coefficient B deadtime: 0.0211
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.7930
Triples gate fraction: 0.6225

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 6.837 +- 0.147
Passive doubles bkgnd: 0.220 +- 0.093
Passive triples bkgnd: 0.238 +- 0.132
Passive scaler1 bkgnd: 0.702
Passive scaler2 bkgnd: 3.027

Number passive cycles: 30
Count time (sec): 30

Passive messages

Known alpha: failed stratum rejection limits
Multiplicity: failed stratum rejection limits

Results

Singles: 5423.009 +- 2.780
Doubles: 1203.048 +- 2.608
Triples: 346.223 +- 2.825
Quads: 73.164 +- 3.320
Quads/Triples: 0.210 +- 0.008
Scaler 1: 1526.088 +- 1.169
Scaler 2: 819.293 +- 0.938

Table with PRIMARY RESULT header and columns for Alpha, Multiplication, Pu240e mass, Pu mass, and Declared Pu mass.

(2)

Declared - assay Pu mass (%): -10.251 +- 0.239

Known alpha calibration parameters

Alpha weight: 1.000000e+000
Rho zero: 4.707231e-001
k: 2.166000e+000
a: 0.000000e+000
b: 3.240449e+002
variance a: 0.000000e+000
variance b: 0.000000e+000
covariance ab: 0.000000e+000
sigma x: 0.000000e+000

Passive multiplicity results

Multiplication: 1.015 +- 0.001
Alpha: 1.323 +- 0.008
Multiplication correction factor: 1.000
Pu240e mass (g): 3.340 +- 0.015
Pu240e (%): 37.875
Pu mass (g): 8.818 +- 0.039
Declared Pu240e mass (g): 3.367
Declared Pu mass (g): 8.891
Declared - assay Pu mass (g): 0.073 +- 0.039
Declared - assay Pu mass (%): 0.822 +- 0.437

Passive multiplicity calibration parameters

Spontaneous fission rate: 4.735000e+002
1st factorial moment spontaneous fission: 2.154000e+000
2nd factorial moment spontaneous fission: 3.789000e+000
3rd factorial moment spontaneous fission: 5.211000e+000
1st factorial moment induced fission: 3.163000e+000
2nd factorial moment induced fission: 8.240000e+000
3rd factorial moment induced fission: 1.732100e+001
a: 1.000000e+000
b: 0.000000e+000
c: 0.000000e+000
sigma x: 0.000000e+000
alpha weight: 0.000000e+000
efficiency correction factor: 1.000000e+000

Passive cycle rate data

(3)

Table with columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Shows data for cycles 1 through 30.

(4)

INCC 5.1.2

Facility: PFFF  
Material balance area: XXXX  
Detector type:  
Detector id: AVIS R-123  
Electronics id:  
Inventory change code:  
I/O code:  
Measurement date: 19.08.21 11:07:31  
Results file name: 98LL0731.VER  
Inspection number:  
Item id: B 20L  
Stratum id: XXXX  
Bias uncertainty: 0.0000  
Random uncertainty: 0.0000  
Systematic uncertainty: 0.0000  
Relative std deviation: 0.0000  
Material type: Pu  
Original declared mass: 9.010  
Measurement option: Verification  
Data source: Shift register  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name: JAEA  
Passive comment:  
Isotopics id: PU-490020403  
Isotopics source code: OD  
Pu238: 1.1680 +- 0.0000 1.1185 +- 0.0000  
Pu239: 63.2610 +- 0.0000 64.0951 +- 0.0000  
Pu240: 26.6430 +- 0.0000 26.9794 +- 0.0000  
Pu241: 4.1840 +- 0.0000 2.9994 +- 0.0000  
Pu242: 4.7440 +- 0.0000 4.8075 +- 0.0000  
Pu date: 12.06.21 19.08.21  
Am241: 3.1000 +- 0.0000 4.4499 +- 0.0000  
Am date: 11.12.08 19.08.21  
Pre-delay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1740  
Die away time: 30.0000  
Efficiency: 0.6750  
Multiplicity deadtime: 72.6000

(1)

Coefficient A deadtime: 0.2904  
Coefficient B deadtime: 0.0211  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.7930  
Triples gate fraction: 0.6225  
Normalization constant: 1.0000 +- 0.0000  
Passive singles bkgrnd: 6.837 +- 0.147  
Passive doubles bkgrnd: 0.220 +- 0.093  
Passive triples bkgrnd: 0.238 +- 0.132  
Passive scaler1 bkgrnd: 0.702  
Passive scaler2 bkgrnd: 3.027  
Number passive cycles: 30  
Count time (sec): 30  
Passive messages  
Known alpha: failed stratum rejection limits  
Multiplicity: failed stratum rejection limits  
Results  
Singles: 5426.207 +- 2.715  
Doubles: 1200.832 +- 2.302  
Triples: 347.569 +- 2.674  
Quads: 71.997 +- 2.678  
Quads/Triples: 0.206 +- 0.006  
Scaler 1: 1527.693 +- 1.407  
Scaler 2: 819.424 +- 0.990

PRIMARY RESULT  
Known alpha results  
Alpha: 0.858  
Multiplication: 1.000  
Multiplication corrected doubles: 1200.832 +- 2.302  
Pu240e mass (g): 3.706 +- 0.007  
Pu240e (%): 37.875  
Pu mass (g): 9.784 +- 0.019  
Declared Pu240e mass (g): 3.367  
Declared Pu mass (g): 8.891  
Declared - assay Pu mass (g): -0.893 +- 0.019

(2)

Declared - assay Pu mass (%): -10.048 +- 0.211  
Known alpha calibration parameters  
Alpha weight: 1.000000e+000  
Rho zero: 4.707231e-001  
k: 2.166000e+000  
a: 0.000000e+000  
b: 3.240449e+002  
variance a: 0.000000e+000  
variance b: 0.000000e+000  
covariance ab: 0.000000e+000  
sigma x: 0.000000e+000  
Passive multiplicity results  
Multiplication: 1.016 +- 0.001  
Alpha: 1.337 +- 0.008  
Multiplication correction factor: 1.000  
Pu240e mass (g): 3.320 +- 0.013  
Pu240e (%): 37.875  
Pu mass (g): 8.766 +- 0.035  
Declared Pu240e mass (g): 3.367  
Declared Pu mass (g): 8.891  
Declared - assay Pu mass (g): 0.125 +- 0.035  
Declared - assay Pu mass (%): 1.410 +- 0.390  
Passive multiplicity calibration parameters  
Spontaneous fission rate: 4.735000e+002  
1st factorial moment spontaneous fission: 2.154000e+000  
2nd factorial moment spontaneous fission: 3.789000e+000  
3rd factorial moment spontaneous fission: 5.211000e+000  
1st factorial moment induced fission: 3.163000e+000  
2nd factorial moment induced fission: 8.240000e+000  
3rd factorial moment induced fission: 1.732100e+001  
a: 1.000000e+000  
b: 0.000000e+000  
c: 0.000000e+000  
sigma x: 0.000000e+000  
alpha weight: 0.000000e+000  
efficiency correction factor: 1.000000e+000  
Passive cycle rate data

(3)

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	5423.470	1201.941	352.015	3.296	Pass
2	5436.014	1199.742	351.210	3.290	Pass
3	5437.949	1200.143	356.647	3.256	Pass
4	5424.705	1208.051	361.754	3.261	Pass
5	5418.133	1211.688	346.598	3.379	Pass
6	5417.833	1183.310	336.125	3.312	Pass
7	5451.059	1201.650	355.434	3.271	Pass
8	5427.974	1169.391	327.652	3.201	Pass
9	5413.629	1213.088	352.546	3.347	Pass
10	5406.057	1205.240	358.358	3.271	Pass
11	5444.120	1191.498	318.850	3.469	Pass
12	5429.942	1210.089	334.609	3.451	Pass
13	5451.659	1227.124	345.049	3.463	Pass
14	5402.687	1197.226	353.054	3.267	Pass
15	5406.023	1189.015	344.364	3.285	Pass
16	5446.889	1206.156	356.109	3.288	Pass
17	5425.272	1186.985	333.353	3.348	Pass
18	5408.025	1203.571	342.100	3.370	Pass
19	5418.733	1202.874	341.688	3.369	Pass
20	5450.325	1216.941	370.846	3.244	Pass
21	5414.330	1189.618	347.570	3.266	Pass
22	5409.126	1210.616	356.710	3.308	Pass
23	5433.378	1216.401	366.943	3.268	Pass
24	5439.583	1193.867	340.422	3.333	Pass
25	5413.496	1190.052	329.450	3.390	Pass
26	5420.001	1224.242	385.971	3.184	Pass
27	5444.987	1198.076	360.835	3.218	Pass
28	5410.694	1188.549	340.316	3.309	Pass
29	5431.176	1197.437	337.201	3.373	Pass
30	5428.941	1190.391	323.316	3.433	Pass

(4)

INCC 5.1.2

Facility: PFFF
Material balance area: XXXX
Detector type:
Detector id: AVIS R-123
Electronics id:
Inventory change code:
I/O code:
Measurement date: 19.08.21 11:38:18
Results file name: 98LL3818.VER
Inspection number:
Item id: B 30L
Stratum id: XXXX
Bias uncertainty: 0.0000
Random uncertainty: 0.0000
Systematic uncertainty: 0.0000
Relative std deviation: 0.0000
Material type: Pu
Original declared mass: 9.010
Measurement option: Verification
Data source: Shift register
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name: JAEA
Passive comment:

Isotopics id: PU-490020403
Isotopics source code: OD
Pu238: 1.1680 +- 0.0000 1.1185 +- 0.0000
Pu239: 63.2610 +- 0.0000 64.0951 +- 0.0000
Pu240: 26.6430 +- 0.0000 26.9794 +- 0.0000
Pu241: 4.1840 +- 0.0000 2.9994 +- 0.0000
Pu242: 4.7440 +- 0.0000 4.8075 +- 0.0000
Pu date: 12.06.21 19.08.21
Am241: 3.1000 +- 0.0000 4.4499 +- 0.0000
Am date: 11.12.08 19.08.21
Pre-delay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1740
Die away time: 30.0000
Efficiency: 0.6750
Multiplicity deadtime: 72.6000

(1)

Coefficient A deadtime: 0.2904
Coefficient B deadtime: 0.0211
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.7930
Triples gate fraction: 0.6225
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgnd: 6.837 +- 0.147
Passive doubles bkgnd: 0.220 +- 0.093
Passive triples bkgnd: 0.238 +- 0.132
Passive scaler1 bkgnd: 0.702
Passive scaler2 bkgnd: 3.027
Number passive cycles: 30
Count time (sec): 30

Passive messages
Known alpha: failed stratum rejection limits
Multiplicity: failed stratum rejection limits

Results
Singles: 5423.647 +- 3.163
Doubles: 1202.137 +- 2.527
Triples: 346.956 +- 2.583
Quads: 73.844 +- 2.391
Quads/Triples: 0.212 +- 0.006
Scaler 1: 1523.846 +- 1.527
Scaler 2: 821.141 +- 1.080

PRIMARY RESULT
Known alpha results
Alpha: 0.858
Multiplication: 1.000
Multiplication corrected doubles: 1202.137 +- 2.527
Pu240e mass (g): 3.710 +- 0.008
Pu240e (%): 37.875
Pu mass (g): 9.795 +- 0.021
Declared Pu240e mass (g): 3.367
Declared Pu mass (g): 8.891
Declared - assay Pu mass (g): -0.904 +- 0.021

(2)

Declared - assay Pu mass (%): -10.168 +- 0.232

Known alpha calibration parameters

Alpha weight: 1.000000e+000
Rho zero: 4.707231e-001
k: 2.166000e+000
a: 0.000000e+000
b: 3.240449e+002
variance a: 0.000000e+000
variance b: 0.000000e+000
covariance ab: 0.000000e+000
sigma x: 0.000000e+000

Passive multiplicity results

Multiplication: 1.016 +- 0.001
Alpha: 1.329 +- 0.008
Multiplication correction factor: 1.000
Pu240e mass (g): 3.330 +- 0.014
Pu240e (%): 37.875
Pu mass (g): 8.793 +- 0.036
Declared Pu240e mass (g): 3.367
Declared Pu mass (g): 8.891
Declared - assay Pu mass (g): 0.098 +- 0.036
Declared - assay Pu mass (%): 1.099 +- 0.409

Passive multiplicity calibration parameters

Spontaneous fission rate: 4.735000e+002
1st factorial moment spontaneous fission: 2.154000e+000
2nd factorial moment spontaneous fission: 3.789000e+000
3rd factorial moment spontaneous fission: 5.211000e+000
1st factorial moment induced fission: 3.163000e+000
2nd factorial moment induced fission: 8.240000e+000
3rd factorial moment induced fission: 1.732100e+001
a: 1.000000e+000
b: 0.000000e+000
c: 0.000000e+000
sigma x: 0.000000e+000
alpha weight: 0.000000e+000
efficiency correction factor: 1.000000e+000

Passive cycle rate data

(3)

Table with 5 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-30 showing cycle data and pass/fail status.

(4)



Facility: PFFF  
 Material balance area: XXXX  
 Detector type: XXXX  
 Detector id: AVIS R-123  
 Electronics id:  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.21 14:21:50  
 Results file name: 98L02150.VER  
 Inspection number:  
 Item id: B 40L  
 Stratum id: XXXX  
 Bias uncertainty: 0.0000  
 Random uncertainty: 0.0000  
 Systematic uncertainty: 0.0000  
 Relative std deviation: 0.0000  
 Material type: Pu  
 Original declared mass: 9.010  
 Measurement option: Verification  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:  
 Isotopics id: PU-490020403  
 Isotopics source code: OD  
 Pu238: 1.1680 +- 0.0000 1.1185 +- 0.0000  
 Pu239: 63.2610 +- 0.0000 64.0951 +- 0.0000  
 Pu240: 26.6430 +- 0.0000 26.9794 +- 0.0000  
 Pu241: 4.1840 +- 0.0000 2.9994 +- 0.0000  
 Pu242: 4.7440 +- 0.0000 4.8075 +- 0.0000  
 Pu date: 12.06.21 19.08.21  
 Am241: 3.1000 +- 0.0000 4.4499 +- 0.0000  
 Am date: 11.12.08 19.08.21  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1740  
 Die away time: 30.0000  
 Efficiency: 0.6750  
 Multiplicity deadtime: 72.6000

(1)

Coefficient A deadtime: 0.2904  
 Coefficient B deadtime: 0.0211  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.7930  
 Triples gate fraction: 0.6225  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgnd: 6.837 +- 0.147  
 Passive doubles bkgnd: 0.220 +- 0.093  
 Passive triples bkgnd: 0.238 +- 0.132  
 Passive scaler1 bkgnd: 0.702  
 Passive scaler2 bkgnd: 3.027  
 Number passive cycles: 30  
 Count time (sec): 30  
 Passive messages  
 Known alpha: failed stratum rejection limits  
 Multiplicity: failed stratum rejection limits  
 Results  
 Singles: 5418.502 +- 2.613  
 Doubles: 1199.727 +- 3.330  
 Triples: 345.332 +- 3.165  
 Quads: 71.915 +- 2.990  
 Quads/Triples: 0.207 +- 0.007  
 Scaler 1: 1526.108 +- 1.224  
 Scaler 2: 818.357 +- 1.020

PRIMARY RESULT  
 Known alpha results  
 Alpha: 0.858  
 Multiplication: 1.000  
 Multiplication corrected doubles: 1199.727 +- 3.330  
 Pu240e mass (g): 3.702 +- 0.010  
 Pu240e (%): 37.875  
 Pu mass (g): 9.775 +- 0.027  
 Declared Pu240e mass (g): 3.367  
 Declared Pu mass (g): 8.891  
 Declared - assay Pu mass (g): -0.884 +- 0.027

(2)

Declared - assay Pu mass (%): -9.947 +- 0.305  
 Known alpha calibration parameters  
 Alpha weight: 1.000000e+000  
 Rho zero: 4.707231e-001  
 k: 2.166000e+000  
 a: 0.000000e+000  
 b: 3.240449e+002  
 variance a: 0.000000e+000  
 variance b: 0.000000e+000  
 covariance ab: 0.000000e+000  
 sigma x: 0.000000e+000  
 Passive multiplicity results  
 Multiplication: 1.015 +- 0.001  
 Alpha: 1.328 +- 0.010  
 Multiplication correction factor: 1.000  
 Pu240e mass (g): 3.330 +- 0.017  
 Pu240e (%): 37.875  
 Pu mass (g): 8.791 +- 0.044  
 Declared Pu240e mass (g): 3.367  
 Declared Pu mass (g): 8.891  
 Declared - assay Pu mass (g): 0.100 +- 0.044  
 Declared - assay Pu mass (%): 1.120 +- 0.491  
 Passive multiplicity calibration parameters  
 Spontaneous fission rate: 4.735000e+002  
 1st factorial moment spontaneous fission: 2.154000e+000  
 2nd factorial moment spontaneous fission: 3.789000e+000  
 3rd factorial moment spontaneous fission: 5.211000e+000  
 1st factorial moment induced fission: 3.163000e+000  
 2nd factorial moment induced fission: 8.240000e+000  
 3rd factorial moment induced fission: 1.732100e+001  
 a: 1.000000e+000  
 b: 0.000000e+000  
 c: 0.000000e+000  
 sigma x: 0.000000e+000  
 alpha weight: 0.000000e+000  
 efficiency correction factor: 1.000000e+000

(3)

Cycle	Singles	Doubles	Triples	Mass	QC Tests
1	5428.875	1209.655	348.963	3.353	Pass
2	5427.974	1192.528	347.223	3.282	Pass
3	5430.276	1215.899	345.537	3.406	Pass
4	5422.837	1225.778	344.499	3.461	Pass
5	5422.837	1213.993	333.487	3.478	Pass
6	5418.266	1224.208	363.421	3.329	Pass
7	5419.701	1202.273	346.300	3.336	Pass
8	5399.018	1164.173	320.544	3.325	Pass
9	5422.603	1218.634	350.497	3.387	Pass
10	5389.110	1165.539	315.768	3.365	Pass
11	5415.864	1194.927	323.778	3.452	Pass
12	5426.706	1210.789	325.125	3.519	Pass
13	5411.094	1195.460	319.377	3.485	Pass
14	5438.916	1195.837	349.832	3.280	Pass
15	5412.128	1197.129	363.256	3.199	Pass
16	5442.219	1232.529	370.089	3.325	Pass
17	5433.845	1219.372	381.554	3.188	Pass
18	5410.560	1211.585	381.819	3.150	Pass
19	5405.123	1180.668	338.778	3.282	Pass
20	5419.734	1181.240	332.977	3.323	Pass
21	5392.579	1182.066	330.040	3.348	Pass
22	5407.891	1204.306	349.078	3.327	Pass
23	5426.873	1221.406	365.381	3.302	Pass
24	5404.389	1177.329	341.477	3.247	Pass
25	5442.285	1177.943	325.917	3.354	Pass
26	5396.049	1187.976	337.330	3.327	Pass
27	5432.911	1196.402	353.784	3.257	Pass
28	5403.755	1180.233	353.725	3.180	Pass
29	5422.303	1211.923	355.770	3.320	Pass
30	5428.341	1200.006	344.441	3.337	Pass

(4)

INCC 5.1.2

Facility: PFFF  
 Material balance area: XXXX  
 Detector type: XXXX  
 Detector id: AVIS R-123  
 Electronics id:  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.08.21 15:00:32  
 Results file name: 98LP0032.VER  
 Inspection number:  
 Item id: B 50L  
 Stratum id: XXXX  
 Bias uncertainty: 0.0000  
 Random uncertainty: 0.0000  
 Systematic uncertainty: 0.0000  
 Relative std deviation: 0.0000  
 Material type: Pu  
 Original declared mass: 9.010  
 Measurement option: Verification  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: PU-490020403  
 Isotopics source code: OD  
 Pu238: 1.1680 +- 0.0000 1.1185 +- 0.0000  
 Pu239: 63.2610 +- 0.0000 64.0951 +- 0.0000  
 Pu240: 26.6430 +- 0.0000 26.9794 +- 0.0000  
 Pu241: 4.1840 +- 0.0000 2.9994 +- 0.0000  
 Pu242: 4.7440 +- 0.0000 4.8075 +- 0.0000  
 Pu date: 12.06.21 19.08.21  
 Am241: 3.1000 +- 0.0000 4.4499 +- 0.0000  
 Am date: 11.12.08 19.08.21

Pre-delay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1740  
 Die away time: 30.0000  
 Efficiency: 0.6750  
 Multiplicity deadtime: 72.6000

(1)

Coefficient A deadtime: 0.2904  
 Coefficient B deadtime: 0.0211  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.7930  
 Triples gate fraction: 0.6225

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 6.837 +- 0.147  
 Passive doubles bkgnd: 0.220 +- 0.093  
 Passive triples bkgnd: 0.238 +- 0.132  
 Passive scaler1 bkgnd: 0.702  
 Passive scaler2 bkgnd: 3.027

Number passive cycles: 30  
 Count time (sec): 30

Passive messages  
 Known alpha: failed stratum rejection limits  
 Multiplicity: failed stratum rejection limits

Results

Singles:	5419.895 +-	3.289
Doubles:	1200.996 +-	3.093
Triples:	343.499 +-	2.747
Quads:	69.053 +-	2.086
Quads/Triples:	0.200 +-	0.005
Scaler 1:	1523.665 +-	1.396
Scaler 2:	819.850 +-	1.254

PRIMARY RESULT			
Known alpha results			
Alpha:	0.858		
Multiplication:	1.000		
Multiplication corrected doubles:	1200.996 +-	3.093	
Pu240e mass (g):	3.706 +-	0.010	
Pu240e (%):	37.875		
Pu mass (g):	9.786 +-	0.025	
Declared Pu240e mass (g):	3.367		
Declared Pu mass (g):	8.891		
Declared - assay Pu mass (g):	-0.895 +-	0.025	

(2)

| Declared - assay Pu mass (%): -10.063 +- 0.283|  
 ~~~~~

Known alpha calibration parameters

Alpha weight: 1.000000e+000  
 Rho zero: 4.707231e-001  
 k: 2.166000e+000  
 a: 0.000000e+000  
 b: 3.240449e+002  
 variance a: 0.000000e+000  
 variance b: 0.000000e+000  
 covariance ab: 0.000000e+000  
 sigma x: 0.000000e+000

Passive multiplicity results

Multiplication: 1.015 +- 0.001  
 Alpha: 1.317 +- 0.008  
 Multiplication correction factor: 1.000  
 Pu240e mass (g): 3.348 +- 0.013  
 Pu240e (%): 37.875  
 Pu mass (g): 8.840 +- 0.035  
 Declared Pu240e mass (g): 3.367  
 Declared Pu mass (g): 8.891  
 Declared - assay Pu mass (g): 0.051 +- 0.035  
 Declared - assay Pu mass (%): 0.575 +- 0.397

Passive multiplicity calibration parameters

Spontaneous fission rate: 4.735000e+002  
 1st factorial moment spontaneous fission: 2.154000e+000  
 2nd factorial moment spontaneous fission: 3.789000e+000  
 3rd factorial moment spontaneous fission: 5.211000e+000  
 1st factorial moment induced fission: 3.163000e+000  
 2nd factorial moment induced fission: 8.240000e+000  
 3rd factorial moment induced fission: 1.732100e+001  
 a: 1.000000e+000  
 b: 0.000000e+000  
 c: 0.000000e+000  
 sigma x: 0.000000e+000  
 alpha weight: 0.000000e+000  
 efficiency correction factor: 1.000000e+000

Passive cycle rate data

(3)

| Cycle | Singles  | Doubles  | Triples | Mass  | QC Tests |
|-------|----------|----------|---------|-------|----------|
| 1     | 5442.219 | 1217.172 | 349.013 | 3.389 | Pass     |
| 2     | 5384.907 | 1180.294 | 322.497 | 3.391 | Pass     |
| 3     | 5429.108 | 1199.439 | 366.142 | 3.191 | Pass     |
| 4     | 5422.670 | 1186.149 | 341.453 | 3.290 | Pass     |
| 5     | 5438.449 | 1224.816 | 351.175 | 3.412 | Pass     |
| 6     | 5407.858 | 1198.330 | 342.188 | 3.344 | Pass     |
| 7     | 5422.036 | 1194.596 | 333.000 | 3.388 | Pass     |
| 8     | 5411.861 | 1181.304 | 324.442 | 3.382 | Pass     |
| 9     | 5417.466 | 1230.584 | 371.456 | 3.308 | Pass     |
| 10    | 5464.803 | 1217.513 | 351.865 | 3.371 | Pass     |
| 11    | 5435.113 | 1207.587 | 346.276 | 3.361 | Pass     |
| 12    | 5406.524 | 1178.431 | 339.477 | 3.266 | Pass     |
| 13    | 5421.169 | 1189.420 | 315.370 | 3.483 | Pass     |
| 14    | 5411.928 | 1193.724 | 329.062 | 3.410 | Pass     |
| 15    | 5406.424 | 1209.480 | 345.897 | 3.374 | Pass     |
| 16    | 5431.010 | 1201.042 | 337.564 | 3.388 | Pass     |
| 17    | 5431.810 | 1196.135 | 344.109 | 3.320 | Pass     |
| 18    | 5449.291 | 1219.945 | 348.853 | 3.403 | Pass     |
| 19    | 5400.953 | 1184.372 | 336.415 | 3.316 | Pass     |
| 20    | 5395.382 | 1159.565 | 324.773 | 3.274 | Pass     |
| 21    | 5397.617 | 1183.236 | 321.501 | 3.411 | Pass     |
| 22    | 5409.860 | 1193.022 | 336.790 | 3.355 | Pass     |
| 23    | 5438.582 | 1223.514 | 376.289 | 3.242 | Pass     |
| 24    | 5432.744 | 1214.163 | 345.230 | 3.400 | Pass     |
| 25    | 5422.870 | 1216.530 | 353.174 | 3.359 | Pass     |
| 26    | 5412.462 | 1220.266 | 364.532 | 3.303 | Pass     |
| 27    | 5432.945 | 1217.869 | 330.824 | 3.515 | Pass     |
| 28    | 5417.199 | 1203.274 | 347.058 | 3.335 | Pass     |
| 29    | 5391.712 | 1195.653 | 362.435 | 3.198 | Pass     |
| 30    | 5409.893 | 1192.455 | 345.867 | 3.291 | Pass     |

(4)

INCC 5.1.2

Facility: PFFF
Material balance area: XXXX
Detector type:
Detector id: AVIS R-123
Electronics id:
Inventory change code:
I/O code:
Measurement date: 19.11.29 09:55:46
Results file name: 9BTJ5546.VER
Inspection number:
Item id: C OL
Stratum id: XXXX
Bias uncertainty: 0.0000
Random uncertainty: 0.0000
Systematic uncertainty: 0.0000
Relative std deviation: 0.0000
Material type: Pu
Original declared mass: 1.090
Measurement option: Verification
Data source: Shift register
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name: JAEA
Passive comment:
Isotopics id: PU-400025106
Isotopics source code: OD
Pu238: 1.0670 +- 0.0000 0.9911 +- 0.0000
Pu239: 64.7610 +- 0.0000 66.2312 +- 0.0000
Pu240: 25.1940 +- 0.0000 25.7417 +- 0.0000
Pu241: 4.7090 +- 0.0000 2.6686 +- 0.0000
Pu242: 4.2690 +- 0.0000 4.3673 +- 0.0000
Pu date: 07.09.07 19.11.29
Am241: 5.2012 +- 0.0000 7.3442 +- 0.0000
Am date: 07.09.07 19.11.29
Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1740
Die away time: 30.0000
Efficiency: 0.6750
Multiplicity deadtime: 72.6000

(1)

Coefficient A deadtime: 0.2904
Coefficient B deadtime: 0.0211
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.7930
Triples gate fraction: 0.6225
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgnd: 7.123 +- 0.113
Passive doubles bkgnd: 0.042 +- 0.012
Passive triples bkgnd: 0.007 +- 0.003
Passive scaler1 bkgnd: 0.668
Passive scaler2 bkgnd: 3.362
Number passive cycles: 30
Count time (sec): 30
Passive messages
Known alpha: failed stratum rejection limits
Multiplicity: failed stratum rejection limits
Results
Singles: 540.523 +- 1.122
Doubles: 129.577 +- 0.724
Triples: 36.238 +- 0.495
Quads: 6.916 +- 0.318
Quads/Triples: 0.189 +- 0.006
Scaler 1: 149.264 +- 0.493
Scaler 2: 84.874 +- 0.389
Known alpha results
Alpha: 1.078
Multiplication: 1.011
Multiplication corrected doubles: 121.145 +- 0.324
Pu240e mass (g): 0.374 +- 0.001
Pu240e (%): 35.576
Pu mass (g): 1.051 +- 0.003
Declared Pu240e mass (g): 0.379
Declared Pu mass (g): 1.065
Declared - assay Pu mass (g): 0.015 +- 0.003
Declared - assay Pu mass (%): 1.369 +- 0.264
Known alpha calibration parameters

(2)

Alpha weight: 1.000000e+000
Rho zero: 4.707231e-001
k: 2.166000e+000
a: 0.000000e+000
b: 3.240449e+002
variance a: 0.000000e+000
variance b: 0.000000e+000
covariance ab: 0.000000e+000
sigma x: 0.000000e+000
PRIMARY RESULT
Passive multiplicity results
Multiplication: 1.013 +- 0.001
Alpha: 1.106 +- 0.008
Multiplication correction factor: 1.000
Pu240e mass (g): 0.368 +- 0.002
Pu240e (%): 35.576
Pu mass (g): 1.034 +- 0.005
Declared Pu240e mass (g): 0.379
Declared Pu mass (g): 1.065
Declared - assay Pu mass (g): 0.031 +- 0.005
Declared - assay Pu mass (%): 2.914 +- 0.499
Passive multiplicity calibration parameters
Spontaneous fission rate: 4.735000e+002
1st factorial moment spontaneous fission: 2.154000e+000
2nd factorial moment spontaneous fission: 3.789000e+000
3rd factorial moment spontaneous fission: 5.211000e+000
1st factorial moment induced fission: 3.163000e+000
2nd factorial moment induced fission: 8.240000e+000
3rd factorial moment induced fission: 1.732100e+001
a: 1.000000e+000
b: 0.000000e+000
c: 0.000000e+000
sigma x: 0.000000e+000
alpha weight: 0.000000e+000
efficiency correction factor: 1.000000e+000
Passive cycle rate data

(3)

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-30 showing cycle-by-cycle data.

(4)

サンプルC\_10L.txt

INCC 5.1.2

Facility: PFFF
Material balance area: XXXX
Detector type:
Detector id: AVIS R-123
Electronics id:
Inventory change code:
I/O code:
Measurement date: 19.11.29 10:24:26
Results file name: 9BTK2426.VER
Inspection number:
Item id: C 10L
Stratum id: XXXX
Bias uncertainty: 0.0000
Random uncertainty: 0.0000
Systematic uncertainty: 0.0000
Relative std deviation: 0.0000
Material type: Pu
Original declared mass: 1.090
Measurement option: Verification
Data source: Shift register
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name: JAEA
Passive comment:
Isotopics id: PU-400025106
Isotopics source code: OD
Pu238: 1.0670 +- 0.0000 0.9911 +- 0.0000
Pu239: 64.7610 +- 0.0000 66.2312 +- 0.0000
Pu240: 25.1940 +- 0.0000 25.7417 +- 0.0000
Pu241: 4.7090 +- 0.0000 2.6686 +- 0.0000
Pu242: 4.2690 +- 0.0000 4.3673 +- 0.0000
Pu date: 07.09.07 19.11.29
Am241: 5.2012 +- 0.0000 7.3442 +- 0.0000
Am date: 07.09.07 19.11.29
Pre-delay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1740
Die away time: 30.0000
Efficiency: 0.6750
Multiplicity deadtime: 72.6000

(1)

サンプルC\_10L.txt

Coefficient A deadtime: 0.2904
Coefficient B deadtime: 0.0211
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.7930
Triples gate fraction: 0.6225
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgnd: 7.123 +- 0.113
Passive doubles bkgnd: 0.042 +- 0.012
Passive triples bkgnd: 0.007 +- 0.003
Passive scaler1 bkgnd: 0.668
Passive scaler2 bkgnd: 3.362
Number passive cycles: 30
Count time (sec): 30
Passive messages
Known alpha: failed stratum rejection limits
Multiplicity: failed stratum rejection limits
Results
Singles: 541.063 +- 0.852
Doubles: 129.566 +- 0.558
Triples: 35.734 +- 0.375
Quads: 6.715 +- 0.270
Quads/Triples: 0.187 +- 0.006
Scaler 1: 149.331 +- 0.428
Scaler 2: 84.755 +- 0.305
Known alpha results
Alpha: 1.078
Multiplication: 1.010
Multiplication corrected doubles: 121.291 +- 0.247
Pu240e mass (g): 0.374 +- 0.001
Pu240e (%): 35.576
Pu mass (g): 1.052 +- 0.002
Declared Pu240e mass (g): 0.379
Declared Pu mass (g): 1.065
Declared - assay Pu mass (g): 0.013 +- 0.002
Declared - assay Pu mass (%): 1.250 +- 0.201
Known alpha calibration parameters

(2)

サンプルC\_10L.txt

Alpha weight: 1.000000e+000
Rho zero: 4.707231e-001
k: 2.166000e+000
a: 0.000000e+000
b: 3.240449e+002
variance a: 0.000000e+000
variance b: 0.000000e+000
covariance ab: 0.000000e+000
sigma x: 0.000000e+000
PRIMARY RESULT
Passive multiplicity results
Multiplication: 1.012 +- 0.001
Alpha: 1.093 +- 0.007
Multiplication correction factor: 1.000
Pu240e mass (g): 0.371 +- 0.001
Pu240e (%): 35.576
Pu mass (g): 1.043 +- 0.004
Declared Pu240e mass (g): 0.379
Declared Pu mass (g): 1.065
Declared - assay Pu mass (g): 0.022 +- 0.004
Declared - assay Pu mass (%): 2.066 +- 0.372
Passive multiplicity calibration parameters
Spontaneous fission rate: 4.735000e+002
1st factorial moment spontaneous fission: 2.154000e+000
2nd factorial moment spontaneous fission: 3.789000e+000
3rd factorial moment spontaneous fission: 5.211000e+000
1st factorial moment induced fission: 3.163000e+000
2nd factorial moment induced fission: 8.240000e+000
3rd factorial moment induced fission: 1.732100e+001
a: 1.000000e+000
b: 0.000000e+000
c: 0.000000e+000
sigma x: 0.000000e+000
alpha weight: 0.000000e+000
efficiency correction factor: 1.000000e+000

Passive cycle rate data

(3)

サンプルC\_10L.txt

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. It lists data for 31 cycles, showing counts for Singles, Doubles, and Triples, along with mass and QC test results.

(4)

INCC 5.1.2

```

Facility: PFFF
Material balance area: XXXX
Detector type:
Detector id: AVIS R-123
Electronics id:
Inventory change code:
I/O code:
Measurement date: 19.11.29 10:53:08
Results file name: 9BTK5308.VER
Inspection number:
Item id: C 20L
Stratum id: XXXX
Bias uncertainty: 0.0000
Random uncertainty: 0.0000
Systematic uncertainty: 0.0000
Relative std deviation: 0.0000
Material type: Pu
Original declared mass: 1.090
Measurement option: Verification
Data source: Shift register
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name: JAEA
Passive comment:

Isotopics id: PU-400025106
Isotopics source code: OD
Pu238: 1.0670 +- 0.0000 0.9911 +- 0.0000
Pu239: 64.7610 +- 0.0000 66.2312 +- 0.0000
Pu240: 25.1940 +- 0.0000 25.7417 +- 0.0000
Pu241: 4.7090 +- 0.0000 2.6686 +- 0.0000
Pu242: 4.2690 +- 0.0000 4.3673 +- 0.0000
Pu date: 07.09.07 19.11.29
Am241: 5.2012 +- 0.0000 7.3442 +- 0.0000
Am date: 07.09.07 19.11.29

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1740
Die away time: 30.0000
Efficiency: 0.6750
Multiplicity deadtime: 72.6000

```

(1)

```

Coefficient A deadtime: 0.2904
Coefficient B deadtime: 0.0211
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.7930
Triples gate fraction: 0.6225

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 7.123 +- 0.113
Passive doubles bkgnd: 0.042 +- 0.012
Passive triples bkgnd: 0.007 +- 0.003
Passive scaler1 bkgnd: 0.668
Passive scaler2 bkgnd: 3.362

Number passive cycles: 30
Count time (sec): 30

Passive messages

Known alpha: failed stratum rejection limits
Multiplicity: failed stratum rejection limits

Results

Singles: 541.411 +- 1.110
Doubles: 129.307 +- 0.598
Triples: 35.861 +- 0.400
Quads: 7.145 +- 0.357
Quads/Triples: 0.198 +- 0.008
Scaler 1: 149.367 +- 0.435
Scaler 2: 84.745 +- 0.345

```

```

PRIMARY RESULT
Known alpha results
Alpha: 1.078
Multiplication: 1.010
Multiplication corrected doubles: 121.429 +- 0.313
Pu240e mass (g): 0.375 +- 0.001
Pu240e (%): 35.576
Pu mass (g): 1.053 +- 0.003
Declared Pu240e mass (g): 0.379
Declared Pu mass (g): 1.065
Declared - assay Pu mass (g): 0.012 +- 0.003

```

(2)

```

| Declared - assay Pu mass (%): 1.138 +- 0.255|
| ~~~~~~|

```

Known alpha calibration parameters

```

Alpha weight: 1.000000e+000
Rho zero: 4.707231e-001
k: 2.166000e+000
a: 0.000000e+000
b: 3.240449e+002
variance a: 0.000000e+000
variance b: 0.000000e+000
covariance ab: 0.000000e+000
sigma x: 0.000000e+000

```

Passive multiplicity results

```

Multiplication: 1.012 +- 0.001
Alpha: 1.105 +- 0.007
Multiplication correction factor: 1.000
Pu240e mass (g): 0.369 +- 0.002
Pu240e (%): 35.576
Pu mass (g): 1.038 +- 0.004
Declared Pu240e mass (g): 0.379
Declared Pu mass (g): 1.065
Declared - assay Pu mass (g): 0.028 +- 0.004
Declared - assay Pu mass (%): 2.613 +- 0.404

```

Passive multiplicity calibration parameters

```

Spontaneous fission rate: 4.735000e+002
1st factorial moment spontaneous fission: 2.154000e+000
2nd factorial moment spontaneous fission: 3.789000e+000
3rd factorial moment spontaneous fission: 5.211000e+000
1st factorial moment induced fission: 3.163000e+000
2nd factorial moment induced fission: 8.240000e+000
3rd factorial moment induced fission: 1.732100e+001
a: 1.000000e+000
b: 0.000000e+000
c: 0.000000e+000
sigma x: 0.000000e+000
alpha weight: 0.000000e+000
efficiency correction factor: 1.000000e+000

```

Passive cycle rate data

(3)

| Cycle | Singles | Doubles | Triples | Mass  | QC Tests |
|-------|---------|---------|---------|-------|----------|
| 1     | 539.732 | 128.745 | 35.342  | 0.370 | Pass     |
| 2     | 532.164 | 127.545 | 37.483  | 0.351 | Pass     |
| 3     | 542.865 | 129.479 | 37.300  | 0.361 | Pass     |
| 4     | 527.864 | 128.078 | 35.629  | 0.365 | Pass     |
| 5     | 535.765 | 127.445 | 34.756  | 0.368 | Pass     |
| 6     | 541.132 | 132.846 | 36.693  | 0.381 | Pass     |
| 7     | 545.699 | 132.613 | 36.618  | 0.380 | Pass     |
| 8     | 540.632 | 125.545 | 32.967  | 0.370 | Pass     |
| 9     | 547.866 | 130.546 | 35.014  | 0.380 | Pass     |
| 10    | 537.832 | 125.612 | 33.399  | 0.368 | Pass     |
| 11    | 541.198 | 133.646 | 36.659  | 0.385 | Pass     |
| 12    | 537.232 | 127.812 | 33.658  | 0.377 | Pass     |
| 13    | 542.965 | 128.412 | 37.358  | 0.355 | Pass     |
| 14    | 535.765 | 124.745 | 33.074  | 0.366 | Pass     |
| 15    | 546.332 | 136.647 | 41.849  | 0.366 | Pass     |
| 16    | 536.665 | 128.745 | 33.815  | 0.380 | Pass     |
| 17    | 539.865 | 125.912 | 35.812  | 0.353 | Pass     |
| 18    | 545.632 | 130.613 | 35.970  | 0.375 | Pass     |
| 19    | 546.699 | 132.046 | 36.974  | 0.375 | Pass     |
| 20    | 540.165 | 131.079 | 36.935  | 0.371 | Pass     |
| 21    | 533.731 | 123.878 | 32.621  | 0.365 | Pass     |
| 22    | 550.133 | 130.579 | 35.476  | 0.378 | Pass     |
| 23    | 540.898 | 130.746 | 37.493  | 0.365 | Pass     |
| 24    | 548.999 | 130.446 | 36.213  | 0.372 | Pass     |
| 25    | 531.931 | 123.044 | 32.123  | 0.364 | Pass     |
| 26    | 554.700 | 135.047 | 39.234  | 0.374 | Pass     |
| 27    | 542.032 | 132.313 | 38.866  | 0.364 | Pass     |
| 28    | 548.866 | 130.579 | 37.125  | 0.367 | Pass     |
| 29    | 541.399 | 128.379 | 36.454  | 0.361 | Pass     |
| 30    | 545.566 | 126.079 | 32.909  | 0.373 | Pass     |

(4)

INCC 5.1.2

Facility: PFFF  
 Material balance area: XXXX  
 Detector type: XXXX  
 Detector id: AVIS R-123  
 Electronics id:  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.29 11:20:19  
 Results file name: 9BTL2019.VER  
 Inspection number:  
 Item id: C 30L  
 Stratum id: XXXX  
 Bias uncertainty: 0.0000  
 Random uncertainty: 0.0000  
 Systematic uncertainty: 0.0000  
 Relative std deviation: 0.0000  
 Material type: Pu  
 Original declared mass: 1.090  
 Measurement option: Verification  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:

Isotopics id: PU-400025106  
 Isotopics source code: OD  
 Pu238: 1.0670 +- 0.0000 0.9911 +- 0.0000  
 Pu239: 64.7610 +- 0.0000 66.2312 +- 0.0000  
 Pu240: 25.1940 +- 0.0000 25.7417 +- 0.0000  
 Pu241: 4.7090 +- 0.0000 2.6686 +- 0.0000  
 Pu242: 4.2690 +- 0.0000 4.3673 +- 0.0000  
 Pu date: 07.09.07 19.11.29  
 Am241: 5.2012 +- 0.0000 7.3442 +- 0.0000  
 Am date: 07.09.07 19.11.29

Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1740  
 Die away time: 30.0000  
 Efficiency: 0.6750  
 Multiplicity deadtime: 72.6000

(1)

Coefficient A deadtime: 0.2904  
 Coefficient B deadtime: 0.0211  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.7930  
 Triples gate fraction: 0.6225

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 7.123 +- 0.113  
 Passive doubles bkgnd: 0.042 +- 0.012  
 Passive triples bkgnd: 0.007 +- 0.003  
 Passive scaler1 bkgnd: 0.668  
 Passive scaler2 bkgnd: 3.362

Number passive cycles: 30  
 Count time (sec): 30

Passive messages

Known alpha: failed stratum rejection limits  
 Multiplicity: failed stratum rejection limits

Results

Singles: 542.220 +- 0.785  
 Doubles: 128.487 +- 0.648  
 Triples: 35.454 +- 0.498  
 Quads: 6.657 +- 0.303  
 Quads/Triples: 0.186 +- 0.006  
 Scaler 1: 149.556 +- 0.381  
 Scaler 2: 84.767 +- 0.333

| PRIMARY RESULT                    |            |       |  |
|-----------------------------------|------------|-------|--|
| Known alpha results               |            |       |  |
| Alpha:                            | 1.078      |       |  |
| Multiplication:                   | 1.008      |       |  |
| Multiplication corrected doubles: | 121.788 +- | 0.238 |  |
| Pu240e mass (g):                  | 0.376 +-   | 0.001 |  |
| Pu240e (%):                       | 35.576     |       |  |
| Pu mass (g):                      | 1.056 +-   | 0.002 |  |
| Declared Pu240e mass (g):         | 0.379      |       |  |
| Declared Pu mass (g):             | 1.065      |       |  |
| Declared - assay Pu mass (g):     | 0.009 +-   | 0.002 |  |

(2)

Declared - assay Pu mass (%): 0.845 +- 0.194

Known alpha calibration parameters

Alpha weight: 1.000000e+000  
 Rho zero: 4.707231e-001  
 k: 2.166000e+000  
 a: 0.000000e+000  
 b: 3.240449e+002  
 variance a: 0.000000e+000  
 variance b: 0.000000e+000  
 covariance ab: 0.000000e+000  
 sigma x: 0.000000e+000

Passive multiplicity results

Multiplication: 1.012 +- 0.001  
 Alpha: 1.117 +- 0.008  
 Multiplication correction factor: 1.000  
 Pu240e mass (g): 0.368 +- 0.002  
 Pu240e (%): 35.576  
 Pu mass (g): 1.034 +- 0.005  
 Declared Pu240e mass (g): 0.379  
 Declared Pu mass (g): 1.065  
 Declared - assay Pu mass (g): 0.031 +- 0.005  
 Declared - assay Pu mass (%): 2.951 +- 0.451

Passive multiplicity calibration parameters

Spontaneous fission rate: 4.735000e+002  
 1st factorial moment spontaneous fission: 2.154000e+000  
 2nd factorial moment spontaneous fission: 3.789000e+000  
 3rd factorial moment spontaneous fission: 5.211000e+000  
 1st factorial moment induced fission: 3.163000e+000  
 2nd factorial moment induced fission: 8.240000e+000  
 3rd factorial moment induced fission: 1.732100e+001  
 a: 1.000000e+000  
 b: 0.000000e+000  
 c: 0.000000e+000  
 sigma x: 0.000000e+000  
 alpha weight: 0.000000e+000  
 efficiency correction factor: 1.000000e+000

Passive cycle rate data

(3)

| Cycle | Singles | Doubles | Triples | Mass  | QC Tests |
|-------|---------|---------|---------|-------|----------|
| 1     | 537.398 | 126.678 | 36.561  | 0.352 | Pass     |
| 2     | 537.332 | 124.911 | 32.820  | 0.368 | Pass     |
| 3     | 545.532 | 124.645 | 31.305  | 0.377 | Pass     |
| 4     | 545.966 | 125.178 | 33.342  | 0.366 | Pass     |
| 5     | 550.299 | 135.580 | 39.899  | 0.373 | Pass     |
| 6     | 545.332 | 127.045 | 34.562  | 0.367 | Pass     |
| 7     | 543.465 | 128.946 | 35.578  | 0.369 | Pass     |
| 8     | 544.265 | 131.279 | 39.355  | 0.356 | Pass     |
| 9     | 537.732 | 123.144 | 32.301  | 0.363 | Pass     |
| 10    | 535.731 | 125.545 | 33.470  | 0.367 | Pass     |
| 11    | 545.766 | 130.679 | 33.719  | 0.390 | Pass     |
| 12    | 547.199 | 130.779 | 38.987  | 0.356 | Pass     |
| 13    | 539.332 | 124.645 | 33.053  | 0.365 | Pass     |
| 14    | 545.799 | 130.113 | 35.014  | 0.378 | Pass     |
| 15    | 541.065 | 125.245 | 31.001  | 0.382 | Pass     |
| 16    | 545.132 | 134.447 | 39.974  | 0.367 | Pass     |
| 17    | 535.565 | 122.678 | 31.541  | 0.366 | Pass     |
| 18    | 545.532 | 126.979 | 34.012  | 0.370 | Pass     |
| 19    | 541.098 | 130.913 | 38.257  | 0.361 | Pass     |
| 20    | 544.465 | 128.846 | 33.756  | 0.381 | Pass     |
| 21    | 537.165 | 123.945 | 35.654  | 0.345 | Pass     |
| 22    | 535.031 | 125.911 | 34.018  | 0.365 | Pass     |
| 23    | 544.432 | 132.580 | 38.876  | 0.365 | Pass     |
| 24    | 541.799 | 128.579 | 35.166  | 0.370 | Pass     |
| 25    | 547.199 | 134.880 | 39.778  | 0.371 | Pass     |
| 26    | 541.432 | 131.913 | 38.727  | 0.363 | Pass     |
| 27    | 548.566 | 131.680 | 35.673  | 0.382 | Pass     |
| 28    | 538.598 | 130.112 | 35.909  | 0.373 | Pass     |
| 29    | 538.632 | 127.879 | 34.490  | 0.371 | Pass     |
| 30    | 539.732 | 128.845 | 36.822  | 0.361 | Pass     |

(4)

サンプルC\_40L.txt

INCC 5.1.2

Facility: PFFF  
 Material balance area: XXXX  
 Detector type:  
 Detector id: AVIS R-123  
 Electronics id:  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.29 13:48:34  
 Results file name: 9BTN4834.VER  
 Inspection number:  
 Item id: C 40L  
 Stratum id: XXXX  
 Bias uncertainty: 0.0000  
 Random uncertainty: 0.0000  
 Systematic uncertainty: 0.0000  
 Relative std deviation: 0.0000  
 Material type: Pu  
 Original declared mass: 1.090  
 Measurement option: Verification  
 Data source: Shift register  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name: JAEA  
 Passive comment:  
 Isotopics id: PU-400025106  
 Isotopics source code: OD  
 Pu238: 1.0670 +- 0.0000 0.9911 +- 0.0000  
 Pu239: 64.7610 +- 0.0000 66.2312 +- 0.0000  
 Pu240: 25.1940 +- 0.0000 25.7417 +- 0.0000  
 Pu241: 4.7090 +- 0.0000 2.6686 +- 0.0000  
 Pu242: 4.2690 +- 0.0000 4.3673 +- 0.0000  
 Pu date: 07.09.07 19.11.29  
 Am241: 5.2012 +- 0.0000 7.3442 +- 0.0000  
 Am date: 07.09.07 19.11.29  
 Predelay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1740  
 Die away time: 30.0000  
 Efficiency: 0.6750  
 Multiplicity deadtime: 72.6000

(1)

サンプルC\_40L.txt

Coefficient A deadtime: 0.2904  
 Coefficient B deadtime: 0.0211  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.7930  
 Triples gate fraction: 0.6225  
 Normalization constant: 1.0000 +- 0.0000  
 Passive singles bkgnd: 7.123 +- 0.113  
 Passive doubles bkgnd: 0.042 +- 0.012  
 Passive triples bkgnd: 0.007 +- 0.003  
 Passive scaler1 bkgnd: 0.668  
 Passive scaler2 bkgnd: 3.362  
 Number passive cycles: 30  
 Count time (sec): 30  
 Passive messages  
 Known alpha: failed stratum rejection limits  
 Multiplicity: failed stratum rejection limits  
 Results  
 Singles: 540.458 +- 0.992  
 Doubles: 129.399 +- 0.635  
 Triples: 36.045 +- 0.490  
 Quads: 6.904 +- 0.303  
 Quads/Triples: 0.190 +- 0.006  
 Scaler 1: 149.352 +- 0.545  
 Scaler 2: 84.903 +- 0.307  
 Known alpha results  
 Alpha: 1.078  
 Multiplication: 1.010  
 Multiplication corrected doubles: 121.159 +- 0.286  
 Pu240e mass (g): 0.374 +- 0.001  
 Pu240e (%): 35.576  
 Pu mass (g): 1.051 +- 0.002  
 Declared Pu240e mass (g): 0.379  
 Declared Pu mass (g): 1.065  
 Declared - assay Pu mass (g): 0.014 +- 0.002  
 Declared - assay Pu mass (%): 1.358 +- 0.233  
 Known alpha calibration parameters

(2)

サンプルC\_40L.txt

Alpha weight: 1.000000e+000  
 Rho zero: 4.707231e-001  
 k: 2.166000e+000  
 a: 0.000000e+000  
 b: 3.240449e+002  
 variance a: 0.000000e+000  
 variance b: 0.000000e+000  
 covariance ab: 0.000000e+000  
 sigma x: 0.000000e+000  
 PRIMARY RESULT  
 Passive multiplicity results  
 Multiplication: 1.013 +- 0.001  
 Alpha: 1.105 +- 0.008  
 Multiplication correction factor: 1.000  
 Pu240e mass (g): 0.368 +- 0.002  
 Pu240e (%): 35.576  
 Pu mass (g): 1.036 +- 0.005  
 Declared Pu240e mass (g): 0.379  
 Declared Pu mass (g): 1.065  
 Declared - assay Pu mass (g): 0.030 +- 0.005  
 Declared - assay Pu mass (%): 2.806 +- 0.508  
 Passive multiplicity calibration parameters  
 Spontaneous fission rate: 4.735000e+002  
 1st factorial moment spontaneous fission: 2.154000e+000  
 2nd factorial moment spontaneous fission: 3.789000e+000  
 3rd factorial moment spontaneous fission: 5.211000e+000  
 1st factorial moment induced fission: 3.163000e+000  
 2nd factorial moment induced fission: 8.240000e+000  
 3rd factorial moment induced fission: 1.732100e+001  
 a: 1.000000e+000  
 b: 0.000000e+000  
 c: 0.000000e+000  
 sigma x: 0.000000e+000  
 alpha weight: 0.000000e+000  
 efficiency correction factor: 1.000000e+000

Passive cycle rate data

(3)

サンプルC\_40L.txt

| Cycle | Singles | Doubles | Triples | Mass  | QC Tests |
|-------|---------|---------|---------|-------|----------|
| 1     | 542.932 | 129.646 | 35.489  | 0.373 | Pass     |
| 2     | 541.499 | 130.346 | 36.692  | 0.369 | Pass     |
| 3     | 535.231 | 126.478 | 34.160  | 0.367 | Pass     |
| 4     | 538.932 | 127.745 | 36.046  | 0.361 | Pass     |
| 5     | 542.565 | 136.347 | 39.286  | 0.381 | Pass     |
| 6     | 540.832 | 128.579 | 36.163  | 0.364 | Pass     |
| 7     | 536.298 | 124.211 | 28.246  | 0.397 | Pass     |
| 8     | 542.032 | 125.678 | 32.407  | 0.375 | Pass     |
| 9     | 542.899 | 133.646 | 41.551  | 0.354 | Pass     |
| 10    | 536.431 | 127.612 | 36.375  | 0.358 | Pass     |
| 11    | 540.332 | 127.412 | 33.184  | 0.378 | Pass     |
| 12    | 544.932 | 130.846 | 36.570  | 0.372 | Pass     |
| 13    | 542.165 | 132.513 | 38.685  | 0.366 | Pass     |
| 14    | 531.098 | 124.811 | 36.515  | 0.344 | Pass     |
| 15    | 540.098 | 126.812 | 36.467  | 0.353 | Pass     |
| 16    | 534.031 | 127.478 | 33.859  | 0.374 | Pass     |
| 17    | 546.432 | 127.979 | 35.250  | 0.367 | Pass     |
| 18    | 551.899 | 130.613 | 33.872  | 0.388 | Pass     |
| 19    | 547.132 | 133.246 | 38.734  | 0.369 | Pass     |
| 20    | 548.932 | 135.447 | 39.291  | 0.376 | Pass     |
| 21    | 536.031 | 124.511 | 33.185  | 0.364 | Pass     |
| 22    | 532.298 | 123.811 | 32.561  | 0.365 | Pass     |
| 23    | 533.431 | 128.245 | 34.983  | 0.370 | Pass     |
| 24    | 542.132 | 133.080 | 39.768  | 0.362 | Pass     |
| 25    | 541.399 | 129.779 | 36.923  | 0.365 | Pass     |
| 26    | 549.332 | 134.480 | 38.187  | 0.379 | Pass     |
| 27    | 530.464 | 125.745 | 35.130  | 0.357 | Pass     |
| 28    | 538.332 | 131.946 | 37.201  | 0.373 | Pass     |
| 29    | 541.465 | 132.179 | 37.404  | 0.373 | Pass     |
| 30    | 542.165 | 130.746 | 37.155  | 0.368 | Pass     |

(4)

INCC 5.1.2

Facility: PFFF
Material balance area: XXXX
Detector type:
Detector id: AVIS R-123
Electronics id:
Inventory change code:
I/O code:
Measurement date: 19.11.29 14:15:04
Results file name: 9BT01504.VER
Inspection number:
Item id: C 50L
Stratum id: XXXX
Bias uncertainty: 0.0000
Random uncertainty: 0.0000
Systematic uncertainty: 0.0000
Relative std deviation: 0.0000
Material type: Pu
Original declared mass: 1.090
Measurement option: Verification
Data source: Shift register
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name: JAEA
Passive comment:
Isotopics id: PU-400025106
Isotopics source code: OD
Pu238: 1.0670 +- 0.0000 0.9911 +- 0.0000
Pu239: 64.7610 +- 0.0000 66.2312 +- 0.0000
Pu240: 25.1940 +- 0.0000 25.7417 +- 0.0000
Pu241: 4.7090 +- 0.0000 2.6686 +- 0.0000
Pu242: 4.2690 +- 0.0000 4.3673 +- 0.0000
Pu date: 07.09.07 19.11.29
Am241: 5.2012 +- 0.0000 7.3442 +- 0.0000
Am date: 07.09.07 19.11.29
Pre-delay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1740
Die away time: 30.0000
Efficiency: 0.6750
Multiplicity deadtime: 72.6000

(1)

Coefficient A deadtime: 0.2904
Coefficient B deadtime: 0.0211
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.7930
Triples gate fraction: 0.6225
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgnd: 7.123 +- 0.113
Passive doubles bkgnd: 0.042 +- 0.012
Passive triples bkgnd: 0.007 +- 0.003
Passive scaler1 bkgnd: 0.668
Passive scaler2 bkgnd: 3.362
Number passive cycles: 30
Count time (sec): 30

Passive messages

Known alpha: failed stratum rejection limits
Multiplicity: failed stratum rejection limits

Results

Singles: 541.547 +- 0.852
Doubles: 129.320 +- 0.646
Triples: 35.603 +- 0.394
Quads: 6.624 +- 0.197
Quads/Triples: 0.185 +- 0.004
Scaler 1: 149.549 +- 0.306
Scaler 2: 84.724 +- 0.330

Known alpha results

Alpha: 1.078
Multiplication: 1.010
Multiplication corrected doubles: 121.463 +- 0.253
Pu240e mass (g): 0.375 +- 0.001
Pu240e (%): 35.576
Pu mass (g): 1.054 +- 0.002
Declared Pu240e mass (g): 0.379
Declared Pu mass (g): 1.065
Declared - assay Pu mass (g): 0.012 +- 0.002
Declared - assay Pu mass (%): 1.110 +- 0.206

Known alpha calibration parameters

(2)

Alpha weight: 1.000000e+000
Rho zero: 4.707231e-001
k: 2.166000e+000
a: 0.000000e+000
b: 3.240449e+002
variance a: 0.000000e+000
variance b: 0.000000e+000
covariance ab: 0.000000e+000
sigma x: 0.000000e+000

Table with 2 columns: Parameter and Value. Includes PRIMARY RESULT, Passive multiplicity results, Multiplication, Alpha, Multiplication correction factor, Pu240e mass, Pu240e (%), Pu mass, Declared Pu240e mass, Declared Pu mass, Declared - assay Pu mass, Declared - assay Pu mass (%).

Passive multiplicity calibration parameters

Spontaneous fission rate: 4.735000e+002
1st factorial moment spontaneous fission: 2.154000e+000
2nd factorial moment spontaneous fission: 3.789000e+000
3rd factorial moment spontaneous fission: 5.211000e+000
1st factorial moment induced fission: 3.163000e+000
2nd factorial moment induced fission: 8.240000e+000
3rd factorial moment induced fission: 1.732100e+001
a: 1.000000e+000
b: 0.000000e+000
c: 0.000000e+000
sigma x: 0.000000e+000
alpha weight: 0.000000e+000
efficiency correction factor: 1.000000e+000

Passive cycle rate data

(3)

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Shows data for cycles 1 through 30.

(4)



INCC 5.1.2

Facility: PFFF
Material balance area: XXXX
Detector type:
Detector id: AVIS R-123
Electronics id:
Inventory change code:
I/O code:
Measurement date: 19.10.24 09:50:47
Results file name: 9A0J5047.VER
Inspection number:
Item id: D 0L
Stratum id: XXXX
Bias uncertainty: 0.0000
Random uncertainty: 0.0000
Systematic uncertainty: 0.0000
Relative std deviation: 0.0000
Material type: Pu
Original declared mass: 3.220
Measurement option: Verification
Data source: Database
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name: JAEA
Passive comment:

Isotopics id: PU-400025106
Isotopics source code: OD
Pu238: 1.0670 +- 0.0000 0.9917 +- 0.0000
Pu239: 64.7610 +- 0.0000 66.2221 +- 0.0000
Pu240: 25.1940 +- 0.0000 25.7384 +- 0.0000
Pu241: 4.7090 +- 0.0000 2.6810 +- 0.0000
Pu242: 4.2690 +- 0.0000 4.3667 +- 0.0000
Pu date: 07.09.07 19.10.24
Am241: 5.2012 +- 0.0000 7.3316 +- 0.0000
Am date: 07.09.07 19.10.24
Pre-delay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1740
Die away time: 30.0000
Efficiency: 0.6750
Multiplicity deadtime: 72.6000

(1)

Coefficient A deadtime: 0.2904
Coefficient B deadtime: 0.0211
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.7930
Triples gate fraction: 0.6225
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgnd: 6.287 +- 0.086
Passive doubles bkgnd: 0.055 +- 0.009
Passive triples bkgnd: 0.005 +- 0.003
Passive scaler1 bkgnd: 0.657
Passive scaler2 bkgnd: 2.743
Number passive cycles: 30
Count time (sec): 30

Passive messages
Known alpha: failed stratum rejection limits
Multiplicity: failed stratum rejection limits

Results

Singles: 1610.845 +- 1.727
Doubles: 389.540 +- 1.236
Triples: 110.309 +- 1.147
Quads: 22.836 +- 0.910
Quads/Triples: 0.205 +- 0.006
Scaler 1: 447.431 +- 0.878
Scaler 2: 249.468 +- 0.494

Table with PRIMARY RESULT header and columns for Alpha, Multiplication, Pu240e mass, Pu mass, and Declared Pu mass.

(2)

Declared - assay Pu mass (%): 0.633 +- 0.140

Known alpha calibration parameters

Alpha weight: 1.000000e+000
Rho zero: 4.707231e-001
k: 2.166000e+000
a: 0.000000e+000
b: 3.240449e+002
variance a: 0.000000e+000
variance b: 0.000000e+000
covariance ab: 0.000000e+000
sigma x: 0.000000e+000

Passive multiplicity results

Multiplication: 1.014 +- 0.001
Alpha: 1.101 +- 0.007
Multiplication correction factor: 1.000
Pu240e mass (g): 1.098 +- 0.004
Pu240e (%): 35.574
Pu mass (g): 3.086 +- 0.012
Declared Pu240e mass (g): 1.120
Declared Pu mass (g): 3.148
Declared - assay Pu mass (g): 0.062 +- 0.012
Declared - assay Pu mass (%): 1.957 +- 0.378

Passive multiplicity calibration parameters

Spontaneous fission rate: 4.735000e+002
1st factorial moment spontaneous fission: 2.154000e+000
2nd factorial moment spontaneous fission: 3.789000e+000
3rd factorial moment spontaneous fission: 5.211000e+000
1st factorial moment induced fission: 3.163000e+000
2nd factorial moment induced fission: 8.240000e+000
3rd factorial moment induced fission: 1.732100e+001
a: 1.000000e+000
b: 0.000000e+000
c: 0.000000e+000
sigma x: 0.000000e+000
alpha weight: 0.000000e+000
efficiency correction factor: 1.000000e+000

Passive cycle rate data

(3)

Table with columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Shows data for cycles 1 through 30.

(4)

サンプルD\_10L.txt

INCC 5.1.2

Facility: PFFF
Material balance area: XXXX
Detector type:
Detector id: AVIS R-123
Electronics id:
Inventory change code:
I/O code:
Measurement date: 19.10.24 10:22:53
Results file name: 9AOK2253.VER
Inspection number:
Item id: D 10L
Stratum id: XXXX
Bias uncertainty: 0.0000
Random uncertainty: 0.0000
Systematic uncertainty: 0.0000
Relative std deviation: 0.0000
Material type: Pu
Original declared mass: 3.220
Measurement option: Verification
Data source: Shift register
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name: JAEA
Passive comment:
Isotopics id: PU-400025106
Isotopics source code: OD
Pu238: 1.0670 +- 0.0000 0.9917 +- 0.0000
Pu239: 64.7610 +- 0.0000 66.2221 +- 0.0000
Pu240: 25.1940 +- 0.0000 25.7384 +- 0.0000
Pu241: 4.7090 +- 0.0000 2.6810 +- 0.0000
Pu242: 4.2690 +- 0.0000 4.3667 +- 0.0000
Pu date: 07.09.07 19.10.24
Am241: 5.2012 +- 0.0000 7.3316 +- 0.0000
Am date: 07.09.07 19.10.24
Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1740
Die away time: 30.0000
Efficiency: 0.6750
Multiplicity deadtime: 72.6000

(1)

サンプルD\_10L.txt

Coefficient A deadtime: 0.2904
Coefficient B deadtime: 0.0211
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.7930
Triples gate fraction: 0.6225
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 6.287 +- 0.086
Passive doubles bkgrnd: 0.055 +- 0.009
Passive triples bkgrnd: 0.005 +- 0.003
Passive scaler1 bkgrnd: 0.657
Passive scaler2 bkgrnd: 2.743
Number passive cycles: 30
Count time (sec): 30
Passive messages
Known alpha: failed stratum rejection limits
Multiplicity: failed stratum rejection limits
Results
Singles: 1610.449 +- 1.698
Doubles: 389.436 +- 1.120
Triples: 108.607 +- 1.017
Quads: 21.340 +- 0.912
Quads/Triples: 0.195 +- 0.007
Scaler 1: 446.988 +- 0.816
Scaler 2: 248.838 +- 0.505
Known alpha results
Alpha: 1.078
Multiplication: 1.012
Multiplication corrected doubles: 360.485 +- 0.492
Pu240e mass (g): 1.112 +- 0.002
Pu240e (%): 35.574
Pu mass (g): 3.127 +- 0.004
Declared Pu240e mass (g): 1.120
Declared Pu mass (g): 3.148
Declared - assay Pu mass (g): 0.021 +- 0.004
Declared - assay Pu mass (%): 0.657 +- 0.135
Known alpha calibration parameters

(2)

サンプルD\_10L.txt

Alpha weight: 1.000000e+000
Rho zero: 4.707231e-001
k: 2.166000e+000
a: 0.000000e+000
b: 3.240449e+002
variance a: 0.000000e+000
variance b: 0.000000e+000
covariance ab: 0.000000e+000
sigma x: 0.000000e+000

サンプルD\_10L.txt

Table with columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-30 showing cycle-by-cycle data.

(4)

PRIMARY RESULT
Passive multiplicity results
Multiplication: 1.013 +- 0.001
Alpha: 1.084 +- 0.007
Multiplication correction factor: 1.000
Pu240e mass (g): 1.108 +- 0.005
Pu240e (%): 35.574
Pu mass (g): 3.116 +- 0.014
Declared Pu240e mass (g): 1.120
Declared Pu mass (g): 3.148
Declared - assay Pu mass (g): 0.032 +- 0.014
Declared - assay Pu mass (%): 1.021 +- 0.438
Passive multiplicity calibration parameters
Spontaneous fission rate: 4.735000e+002
1st factorial moment spontaneous fission: 2.154000e+000
2nd factorial moment spontaneous fission: 3.789000e+000
3rd factorial moment spontaneous fission: 5.211000e+000
1st factorial moment induced fission: 3.163000e+000
2nd factorial moment induced fission: 8.240000e+000
3rd factorial moment induced fission: 1.732100e+001
a: 1.000000e+000
b: 0.000000e+000
c: 0.000000e+000
sigma x: 0.000000e+000
alpha weight: 0.000000e+000
efficiency correction factor: 1.000000e+000

Passive cycle rate data

(3)

サンプルD\_20L.txt

INCC 5.1.2

Facility: PFFF
Material balance area: XXXX
Detector type:
Detector id: AVIS R-123
Electronics id:
Inventory change code:
I/O code:
Measurement date: 19.10.24 10:50:58
Results file name: 9AOK5058.VER
Inspection number:
Item id: D 20L
Stratum id: XXXX
Bias uncertainty: 0.0000
Random uncertainty: 0.0000
Systematic uncertainty: 0.0000
Relative std deviation: 0.0000
Material type: Pu
Original declared mass: 3.220
Measurement option: Verification
Data source: Shift register
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name: JAEA
Passive comment:
Isotopics id: PU-400025106
Isotopics source code: OD
Pu238: 1.0670 +- 0.0000 0.9917 +- 0.0000
Pu239: 64.7610 +- 0.0000 66.2221 +- 0.0000
Pu240: 25.1940 +- 0.0000 25.7384 +- 0.0000
Pu241: 4.7090 +- 0.0000 2.6810 +- 0.0000
Pu242: 4.2690 +- 0.0000 4.3667 +- 0.0000
Pu date: 07.09.07 19.10.24
Am241: 5.2012 +- 0.0000 7.3316 +- 0.0000
Am date: 07.09.07 19.10.24
Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1740
Die away time: 30.0000
Efficiency: 0.6750
Multiplicity deadtime: 72.6000

(1)

サンプルD\_20L.txt

Coefficient A deadtime: 0.2904
Coefficient B deadtime: 0.0211
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.7930
Triples gate fraction: 0.6225
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgnd: 6.287 +- 0.086
Passive doubles bkgnd: 0.055 +- 0.009
Passive triples bkgnd: 0.005 +- 0.003
Passive scaler1 bkgnd: 0.657
Passive scaler2 bkgnd: 2.743
Number passive cycles: 30
Count time (sec): 30
Passive messages
Known alpha: failed stratum rejection limits
Multiplicity: failed stratum rejection limits
Results
Singles: 1612.774 +- 1.286
Doubles: 389.494 +- 1.131
Triples: 108.940 +- 1.016
Quads: 20.667 +- 0.686
Quads/Triples: 0.189 +- 0.005
Scaler 1: 447.674 +- 0.551
Scaler 2: 249.387 +- 0.497
Known alpha results
Alpha: 1.078
Multiplication: 1.012
Multiplication corrected doubles: 361.094 +- 0.395
Pu240e mass (g): 1.114 +- 0.001
Pu240e (%): 35.574
Pu mass (g): 3.132 +- 0.003
Declared Pu240e mass (g): 1.120
Declared Pu mass (g): 3.148
Declared - assay Pu mass (g): 0.015 +- 0.003
Declared - assay Pu mass (%): 0.489 +- 0.109
Known alpha calibration parameters

(2)

サンプルD\_20L.txt

Alpha weight: 1.000000e+000
Rho zero: 4.707231e-001
k: 2.166000e+000
a: 0.000000e+000
b: 3.240449e+002
variance a: 0.000000e+000
variance b: 0.000000e+000
covariance ab: 0.000000e+000
sigma x: 0.000000e+000

PRIMARY RESULT
Passive multiplicity results
Multiplication: 1.013 +- 0.001
Alpha: 1.090 +- 0.006
Multiplication correction factor: 1.000
Pu240e mass (g): 1.106 +- 0.004
Pu240e (%): 35.574
Pu mass (g): 3.110 +- 0.011
Declared Pu240e mass (g): 1.120
Declared Pu mass (g): 3.148
Declared - assay Pu mass (g): 0.038 +- 0.011
Declared - assay Pu mass (%): 1.194 +- 0.335

Passive multiplicity calibration parameters
Spontaneous fission rate: 4.735000e+002
1st factorial moment spontaneous fission: 2.154000e+000
2nd factorial moment spontaneous fission: 3.789000e+000
3rd factorial moment spontaneous fission: 5.211000e+000
1st factorial moment induced fission: 3.163000e+000
2nd factorial moment induced fission: 8.240000e+000
3rd factorial moment induced fission: 1.732100e+001
a: 1.000000e+000
b: 0.000000e+000
c: 0.000000e+000
sigma x: 0.000000e+000
alpha weight: 0.000000e+000
efficiency correction factor: 1.000000e+000

Passive cycle rate data

(3)

サンプルD\_20L.txt

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. It lists 30 cycles of measurement data.

(4)

サンプルD\_30L.txt

INCC 5.1.2

Facility: PFFF
Material balance area: XXXX
Detector type:
Detector id: AVIS R-123
Electronics id:
Inventory change code:
I/O code:
Measurement date: 19.10.24 11:22:18
Results file name: 9AOL2218.VER
Inspection number:
Item id: D 30L
Stratum id: XXXX
Bias uncertainty: 0.0000
Random uncertainty: 0.0000
Systematic uncertainty: 0.0000
Relative std deviation: 0.0000
Material type: Pu
Original declared mass: 3.220
Measurement option: Verification
Data source: Shift register
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name: JAEA
Passive comment:
Isotopics id: PU-400025106
Isotopics source code: OD
Pu238: 1.0670 +- 0.0000 0.9917 +- 0.0000
Pu239: 64.7610 +- 0.0000 66.2221 +- 0.0000
Pu240: 25.1940 +- 0.0000 25.7384 +- 0.0000
Pu241: 4.7090 +- 0.0000 2.6810 +- 0.0000
Pu242: 4.2690 +- 0.0000 4.3667 +- 0.0000
Pu date: 07.09.07 19.10.24
Am241: 5.2012 +- 0.0000 7.3316 +- 0.0000
Am date: 07.09.07 19.10.24
Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1740
Die away time: 30.0000
Efficiency: 0.6750
Multiplicity deadtime: 72.6000

(1)

サンプルD\_30L.txt

Coefficient A deadtime: 0.2904
Coefficient B deadtime: 0.0211
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.7930
Triples gate fraction: 0.6225
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgnd: 6.287 +- 0.086
Passive doubles bkgnd: 0.055 +- 0.009
Passive triples bkgnd: 0.005 +- 0.003
Passive scaler1 bkgnd: 0.657
Passive scaler2 bkgnd: 2.743
Number passive cycles: 30
Count time (sec): 30
Passive messages
Known alpha: failed stratum rejection limits
Multiplicity: failed stratum rejection limits
Results
Singles: 1611.875 +- 1.669
Doubles: 389.089 +- 1.303
Triples: 108.760 +- 1.154
Quads: 21.604 +- 1.090
Quads/Triples: 0.197 +- 0.008
Scaler 1: 446.806 +- 0.741
Scaler 2: 249.431 +- 0.609
Known alpha results
Alpha: 1.078
Multiplication: 1.012
Multiplication corrected doubles: 360.925 +- 0.499
Pu240e mass (g): 1.114 +- 0.002
Pu240e (%): 35.574
Pu mass (g): 3.131 +- 0.004
Declared Pu240e mass (g): 1.120
Declared Pu mass (g): 3.148
Declared - assay Pu mass (g): 0.017 +- 0.004
Declared - assay Pu mass (%): 0.536 +- 0.137

Known alpha calibration parameters

(2)

サンプルD\_30L.txt

Alpha weight: 1.000000e+000
Rho zero: 4.707231e-001
k: 2.166000e+000
a: 0.000000e+000
b: 3.240449e+002
variance a: 0.000000e+000
variance b: 0.000000e+000
covariance ab: 0.000000e+000
sigma x: 0.000000e+000

PRIMARY RESULT
Passive multiplicity results
Multiplication: 1.013 +- 0.001
Alpha: 1.091 +- 0.008
Multiplication correction factor: 1.000
Pu240e mass (g): 1.106 +- 0.005
Pu240e (%): 35.574
Pu mass (g): 3.108 +- 0.015
Declared Pu240e mass (g): 1.120
Declared Pu mass (g): 3.148
Declared - assay Pu mass (g): 0.040 +- 0.015
Declared - assay Pu mass (%): 1.261 +- 0.478

Passive multiplicity calibration parameters

Spontaneous fission rate: 4.735000e+002
1st factorial moment spontaneous fission: 2.154000e+000
2nd factorial moment spontaneous fission: 3.789000e+000
3rd factorial moment spontaneous fission: 5.211000e+000
1st factorial moment induced fission: 3.163000e+000
2nd factorial moment induced fission: 8.240000e+000
3rd factorial moment induced fission: 1.732100e+001
a: 1.000000e+000
b: 0.000000e+000
c: 0.000000e+000
sigma x: 0.000000e+000
alpha weight: 0.000000e+000
efficiency correction factor: 1.000000e+000

Passive cycle rate data

(3)

サンプルD\_30L.txt

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. It lists 30 cycles of measurement data and their corresponding quality control test results.

(4)

サンプルD\_40L.txt

INCC 5.1.2

Facility: PFFF
Material balance area: XXXX
Detector type:
Detector id: AVIS R-123
Electronics id:
Inventory change code:
I/O code:
Measurement date: 19.10.24 13:55:45
Results file name: 9AON5545.VER
Inspection number:
Item id: D 40L
Stratum id: XXXX
Bias uncertainty: 0.0000
Random uncertainty: 0.0000
Systematic uncertainty: 0.0000
Relative std deviation: 0.0000
Material type: Pu
Original declared mass: 3.220
Measurement option: Verification
Data source: Shift register
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name: JAEA
Passive comment:
Isotopics id: PU-400025106
Isotopics source code: OD
Pu238: 1.0670 +- 0.0000 0.9917 +- 0.0000
Pu239: 64.7610 +- 0.0000 66.2221 +- 0.0000
Pu240: 25.1940 +- 0.0000 25.7384 +- 0.0000
Pu241: 4.7090 +- 0.0000 2.6810 +- 0.0000
Pu242: 4.2690 +- 0.0000 4.3667 +- 0.0000
Pu date: 07.09.07 19.10.24
Am241: 5.2012 +- 0.0000 7.3316 +- 0.0000
Am date: 07.09.07 19.10.24
Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1740
Die away time: 30.0000
Efficiency: 0.6750
Multiplicity deadtime: 72.6000

(1)

サンプルD\_40L.txt

Coefficient A deadtime: 0.2904
Coefficient B deadtime: 0.0211
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.7930
Triples gate fraction: 0.6225
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgnd: 6.287 +- 0.086
Passive doubles bkgnd: 0.055 +- 0.009
Passive triples bkgnd: 0.005 +- 0.003
Passive scaler1 bkgnd: 0.657
Passive scaler2 bkgnd: 2.743
Number passive cycles: 30
Count time (sec): 30
Passive messages
Known alpha: failed stratum rejection limits
Multiplicity: failed stratum rejection limits
Results
Singles: 1610.085 +- 1.568
Doubles: 387.861 +- 1.386
Triples: 108.339 +- 1.009
Quads: 21.057 +- 0.784
Quads/Triples: 0.193 +- 0.006
Scaler 1: 446.167 +- 0.749
Scaler 2: 249.624 +- 0.459
Known alpha results
Alpha: 1.078
Multiplication: 1.011
Multiplication corrected doubles: 360.663 +- 0.482
Pu240e mass (g): 1.113 +- 0.001
Pu240e (%): 35.574
Pu mass (g): 3.129 +- 0.004
Declared Pu240e mass (g): 1.120
Declared Pu mass (g): 3.148
Declared - assay Pu mass (g): 0.019 +- 0.004
Declared - assay Pu mass (%): 0.608 +- 0.133

(2)

サンプルD\_40L.txt

Alpha weight: 1.000000e+000
Rho zero: 4.707231e-001
k: 2.166000e+000
a: 0.000000e+000
b: 3.240449e+002
variance a: 0.000000e+000
variance b: 0.000000e+000
covariance ab: 0.000000e+000
sigma x: 0.000000e+000

サンプルD\_40L.txt

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-30 showing cycle data and pass/fail status.

(4)

サンプルD\_40L.txt

PRIMARY RESULT
Passive multiplicity results
Multiplication: 1.013 +- 0.001
Alpha: 1.094 +- 0.006
Multiplication correction factor: 1.000
Pu240e mass (g): 1.103 +- 0.004
Pu240e (%): 35.574
Pu mass (g): 3.100 +- 0.011
Declared Pu240e mass (g): 1.120
Declared Pu mass (g): 3.148
Declared - assay Pu mass (g): 0.048 +- 0.011
Declared - assay Pu mass (%): 1.536 +- 0.335
Passive multiplicity calibration parameters
Spontaneous fission rate: 4.735000e+002
1st factorial moment spontaneous fission: 2.154000e+000
2nd factorial moment spontaneous fission: 3.789000e+000
3rd factorial moment spontaneous fission: 5.211000e+000
1st factorial moment induced fission: 3.163000e+000
2nd factorial moment induced fission: 8.240000e+000
3rd factorial moment induced fission: 1.732100e+001
a: 1.000000e+000
b: 0.000000e+000
c: 0.000000e+000
sigma x: 0.000000e+000
alpha weight: 0.000000e+000
efficiency correction factor: 1.000000e+000

Passive cycle rate data

(3)

INCC 5.1.2

Facility: PFFF
Material balance area: XXXX
Detector type: AVIS R-123
Measurement date: 19.10.24 14:25:28
Results file name: 9A002528.VER
Inspection number: D 50L
Stratum id: XXXX
Bias uncertainty: 0.0000
Random uncertainty: 0.0000
Systematic uncertainty: 0.0000
Relative std deviation: 0.0000
Material type: Pu
Original declared mass: 3.220
Measurement option: Verification
Data source: Shift register
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name: JAEA
Passive comment:
Isotopics id: PU-400025106
Isotopics source code: OD
Pu238: 1.0670 +- 0.0000 0.9917 +- 0.0000
Pu239: 64.7610 +- 0.0000 66.2221 +- 0.0000
Pu240: 25.1940 +- 0.0000 25.7384 +- 0.0000
Pu241: 4.7090 +- 0.0000 2.6810 +- 0.0000
Pu242: 4.2690 +- 0.0000 4.3667 +- 0.0000
Pu date: 07.09.07 19.10.24
Am241: 5.2012 +- 0.0000 7.3316 +- 0.0000
Am date: 07.09.07 19.10.24
Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1740
Die away time: 30.0000
Efficiency: 0.6750
Multiplicity deadtime: 72.6000

(1)

Coefficient A deadtime: 0.2904
Coefficient B deadtime: 0.0211
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.7930
Triples gate fraction: 0.6225
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgnd: 6.287 +- 0.086
Passive doubles bkgnd: 0.055 +- 0.009
Passive triples bkgnd: 0.005 +- 0.003
Passive scaler1 bkgnd: 0.657
Passive scaler2 bkgnd: 2.743
Number passive cycles: 30
Count time (sec): 30

Passive messages
Known alpha: failed stratum rejection limits
Multiplicity: failed stratum rejection limits

Results
Singles: 1610.882 +- 1.568
Doubles: 389.596 +- 1.561
Triples: 109.450 +- 1.179
Quads: 21.929 +- 0.775
Quads/Triples: 0.199 +- 0.005
Scaler 1: 448.299 +- 0.680
Scaler 2: 248.550 +- 0.512

Known alpha results
Alpha: 1.078
Multiplication: 1.012
Multiplication corrected doubles: 360.573 +- 0.498
Pu240e mass (g): 1.113 +- 0.002
Pu240e (%): 35.574
Pu mass (g): 3.128 +- 0.004
Declared Pu240e mass (g): 1.120
Declared Pu mass (g): 3.148
Declared - assay Pu mass (g): 0.020 +- 0.004
Declared - assay Pu mass (%): 0.633 +- 0.137

Known alpha calibration parameters

(2)

Alpha weight: 1.000000e+000
Rho zero: 4.707231e-001
k: 2.166000e+000
a: 0.000000e+000
b: 3.240449e+002
variance a: 0.000000e+000
variance b: 0.000000e+000
covariance ab: 0.000000e+000
sigma x: 0.000000e+000

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. It lists 30 cycles of data with corresponding counts and pass/fail status.

(4)

PRIMARY RESULT
Passive multiplicity results
Multiplication: 1.013 +- 0.001
Alpha: 1.092 +- 0.006
Multiplication correction factor: 1.000
Pu240e mass (g): 1.104 +- 0.004
Pu240e (%): 35.574
Pu mass (g): 3.103 +- 0.011
Declared Pu240e mass (g): 1.120
Declared Pu mass (g): 3.148
Declared - assay Pu mass (g): 0.045 +- 0.011
Declared - assay Pu mass (%): 1.440 +- 0.349

Passive multiplicity calibration parameters

Spontaneous fission rate: 4.735000e+002
1st factorial moment spontaneous fission: 2.154000e+000
2nd factorial moment spontaneous fission: 3.789000e+000
3rd factorial moment spontaneous fission: 5.211000e+000
1st factorial moment induced fission: 3.163000e+000
2nd factorial moment induced fission: 8.240000e+000
3rd factorial moment induced fission: 1.732100e+001
a: 1.000000e+000
b: 0.000000e+000
c: 0.000000e+000
sigma x: 0.000000e+000
alpha weight: 0.000000e+000
efficiency correction factor: 1.000000e+000

Passive cycle rate data

(3)

## 【AVIS 性能確認試験】

- (2) 3.3 サンプルホルダーの設計変更に伴う  
中性子・ガンマ線検出器への影響評価

```

Facility: PFFF
Material balance area: XXXX
Detector type:
Detector id: AVIS R-123
Electronics id:
Inventory change code:
I/O code:
Measurement date: 19.11.26 10:09:58
Results file name: 9BQK0958.VER
Inspection number:
Item id: A
Stratum id: XXXX
Bias uncertainty: 0.0000
Random uncertainty: 0.0000
Systematic uncertainty: 0.0000
Relative std deviation: 0.0000
Material type: Pu
Original declared mass: 1.000
Measurement option: Verification
Data source: Database
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment: 1mm

Isotopics id: PU-490020403
Isotopics source code: OD
Pu238: 1.1680 +- 0.0000 1.1166 +- 0.0000
Pu239: 63.2610 +- 0.0000 64.1215 +- 0.0000
Pu240: 26.6430 +- 0.0000 26.9900 +- 0.0000
Pu241: 4.1840 +- 0.0000 2.9625 +- 0.0000
Pu242: 4.7440 +- 0.0000 4.8095 +- 0.0000
Pu date: 12.06.21 19.11.26
Am241: 3.1000 +- 0.0000 4.4881 +- 0.0000
Am date: 11.12.08 19.11.26

Pre-delay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1740
Die away time: 30.0000
Efficiency: 0.6750
Multiplicity deadtime: 72.6000
    
```

(1)

```

Coefficient A deadtime: 0.2904
Coefficient B deadtime: 0.0211
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.7930
Triples gate fraction: 0.6225

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 7.220 +- 0.116
Passive doubles bkgnd: 0.045 +- 0.012
Passive triples bkgnd: 0.005 +- 0.003
Passive scaler1 bkgnd: 0.687
Passive scaler2 bkgnd: 3.308

Number passive cycles: 30
Count time (sec): 30

Passive messages

Known alpha: failed stratum rejection limits
Multiplicity: failed stratum rejection limits

Results

Singles: 609.739 +- 0.880
Doubles: 126.401 +- 0.661
Triples: 33.424 +- 0.436
Quads: 5.786 +- 0.297
Quads/Triples: 0.171 +- 0.007
Scaler 1: 173.120 +- 0.405
Scaler 2: 91.701 +- 0.373
    
```

| PRIMARY RESULT                    |            |       |  |
|-----------------------------------|------------|-------|--|
| Known alpha results               |            |       |  |
| Alpha:                            | 0.860      |       |  |
| Multiplication:                   | 1.000      |       |  |
| Multiplication corrected doubles: | 126.401 +- | 0.661 |  |
| Pu240e mass (g):                  | 0.390 +-   | 0.002 |  |
| Pu240e (%):                       | 37.884     |       |  |
| Pu mass (g):                      | 1.030 +-   | 0.005 |  |
| Declared Pu240e mass (g):         | 0.374      |       |  |
| Declared Pu mass (g):             | 0.986      |       |  |
| Declared - assay Pu mass (g):     | -0.043 +-  | 0.005 |  |

(2)

[ Declared - assay Pu mass (%): -4.388 +- 0.546]

Known alpha calibration parameters

```

Alpha weight: 1.000000e+000
Rho zero: 4.707231e-001
k: 2.166000e+000
a: 0.000000e+000
b: 3.240449e+002
variance a: 0.000000e+000
variance b: 0.000000e+000
covariance ab: 0.000000e+000
sigma x: 0.000000e+000
    
```

Passive multiplicity results

```

Multiplication: 1.007 +- 0.001
Alpha: 1.375 +- 0.012
Multiplication correction factor: 1.000
Pu240e mass (g): 0.370 +- 0.002
Pu240e (%): 37.884
Pu mass (g): 0.977 +- 0.006
Declared Pu240e mass (g): 0.374
Declared Pu mass (g): 0.986
Declared - assay Pu mass (g): 0.009 +- 0.006
Declared - assay Pu mass (%): 0.915 +- 0.578
    
```

Passive multiplicity calibration parameters

```

Spontaneous fission rate: 4.735000e+002
1st factorial moment spontaneous fission: 2.154000e+000
2nd factorial moment spontaneous fission: 3.789000e+000
3rd factorial moment spontaneous fission: 5.211000e+000
1st factorial moment induced fission: 3.163000e+000
2nd factorial moment induced fission: 8.240000e+000
3rd factorial moment induced fission: 1.732100e+001
a: 1.000000e+000
b: 0.000000e+000
c: 0.000000e+000
sigma x: 0.000000e+000
alpha weight: 0.000000e+000
efficiency correction factor: 1.000000e+000
    
```

Passive cycle rate data

(3)

| Cycle | Singles | Doubles | Triples | Mass  | QC Tests |
|-------|---------|---------|---------|-------|----------|
| 1     | 611.308 | 125.244 | 30.234  | 0.388 | Pass     |
| 2     | 611.674 | 122.177 | 29.950  | 0.375 | Pass     |
| 3     | 614.775 | 133.712 | 37.494  | 0.377 | Pass     |
| 4     | 604.807 | 124.010 | 33.868  | 0.355 | Pass     |
| 5     | 613.508 | 125.311 | 29.583  | 0.393 | Pass     |
| 6     | 611.541 | 130.145 | 35.435  | 0.374 | Pass     |
| 7     | 614.108 | 129.212 | 35.154  | 0.372 | Pass     |
| 8     | 604.474 | 120.876 | 32.178  | 0.352 | Pass     |
| 9     | 616.775 | 128.845 | 34.699  | 0.373 | Pass     |
| 10    | 611.708 | 127.878 | 37.898  | 0.346 | Pass     |
| 11    | 606.141 | 123.610 | 32.294  | 0.365 | Pass     |
| 12    | 614.841 | 124.377 | 31.058  | 0.377 | Pass     |
| 13    | 610.174 | 127.278 | 34.464  | 0.367 | Pass     |
| 14    | 600.573 | 119.376 | 32.752  | 0.341 | Pass     |
| 15    | 609.974 | 126.444 | 32.434  | 0.378 | Pass     |
| 16    | 605.941 | 125.911 | 31.750  | 0.380 | Pass     |
| 17    | 613.241 | 127.945 | 34.679  | 0.369 | Pass     |
| 18    | 600.507 | 128.378 | 32.684  | 0.385 | Pass     |
| 19    | 606.774 | 129.578 | 35.590  | 0.371 | Pass     |
| 20    | 608.141 | 122.210 | 30.926  | 0.368 | Pass     |
| 21    | 611.674 | 123.611 | 31.982  | 0.367 | Pass     |
| 22    | 610.741 | 128.078 | 33.106  | 0.381 | Pass     |
| 23    | 611.174 | 129.112 | 34.872  | 0.373 | Pass     |
| 24    | 611.674 | 127.378 | 32.089  | 0.385 | Pass     |
| 25    | 610.341 | 123.977 | 31.744  | 0.370 | Pass     |
| 26    | 597.273 | 119.743 | 30.744  | 0.357 | Pass     |
| 27    | 610.941 | 125.111 | 33.842  | 0.361 | Pass     |
| 28    | 618.108 | 131.512 | 37.692  | 0.365 | Pass     |
| 29    | 608.141 | 133.112 | 38.096  | 0.371 | Pass     |
| 30    | 611.108 | 127.878 | 33.416  | 0.378 | Pass     |

(4)



INCC 5.1.2

Facility: PFFF  
 Material balance area: XXXX  
 Detector type: XXXX  
 Detector id: AVIS R-123  
 Electronics id:  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.26 10:32:17  
 Results file name: 9BQK3217.VER  
 Inspection number:  
 Item id: A  
 Stratum id: XXXX  
 Bias uncertainty: 0.0000  
 Random uncertainty: 0.0000  
 Systematic uncertainty: 0.0000  
 Relative std deviation: 0.0000  
 Material type: Pu  
 Original declared mass: 1.000  
 Measurement option: Verification  
 Data source: Database  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment: 2mm

Isotopics id: PU-490020403  
 Isotopics source code: 0D  
 Pu238: 1.1680 +- 0.0000 1.1166 +- 0.0000  
 Pu239: 63.2610 +- 0.0000 64.1215 +- 0.0000  
 Pu240: 26.6430 +- 0.0000 26.9900 +- 0.0000  
 Pu241: 4.1840 +- 0.0000 2.9625 +- 0.0000  
 Pu242: 4.7440 +- 0.0000 4.8095 +- 0.0000  
 Pu date: 12.06.21 19.11.26  
 Am241: 3.1000 +- 0.0000 4.4881 +- 0.0000  
 Am date: 11.12.08 19.11.26

Pre-delay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1740  
 Die away time: 30.0000  
 Efficiency: 0.6750  
 Multiplicity deadtime: 72.6000

(1)

Coefficient A deadtime: 0.2904  
 Coefficient B deadtime: 0.0211  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.7930  
 Triples gate fraction: 0.6225

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 7.035 +- 0.114  
 Passive doubles bkgnd: 0.078 +- 0.023  
 Passive triples bkgnd: 0.022 +- 0.009  
 Passive scaler1 bkgnd: 0.645  
 Passive scaler2 bkgnd: 3.285

Number passive cycles: 30  
 Count time (sec): 30

Passive messages

Known alpha: failed stratum rejection limits  
 Multiplicity: failed stratum rejection limits

Results

Singles: 611.886 +- 1.196  
 Doubles: 126.690 +- 0.829  
 Triples: 33.589 +- 0.461  
 Quads: 5.617 +- 0.284  
 Quads/Triples: 0.166 +- 0.006  
 Scaler 1: 173.823 +- 0.465  
 Scaler 2: 91.961 +- 0.356

PRIMARY RESULT

Known alpha results

Alpha: 0.860  
 Multiplication: 1.000  
 Multiplication corrected doubles: 126.690 +- 0.829  
 Pu240e mass (g): 0.391 +- 0.003  
 Pu240e (%): 37.884  
 Pu mass (g): 1.032 +- 0.007  
 Declared Pu240e mass (g): 0.374  
 Declared Pu mass (g): 0.986  
 Declared - assay Pu mass (g): -0.046 +- 0.007

(2)

Declared - assay Pu mass (%): -4.627 +- 0.685

Known alpha calibration parameters

Alpha weight: 1.000000e+000  
 Rho zero: 4.707231e-001  
 k: 2.166000e+000  
 a: 0.000000e+000  
 b: 3.240449e+002  
 variance a: 0.000000e+000  
 variance b: 0.000000e+000  
 covariance ab: 0.000000e+000  
 sigma x: 0.000000e+000

Passive multiplicity results

Multiplication: 1.008 +- 0.001  
 Alpha: 1.381 +- 0.011  
 Multiplication correction factor: 1.000  
 Pu240e mass (g): 0.370 +- 0.002  
 Pu240e (%): 37.884  
 Pu mass (g): 0.978 +- 0.006  
 Declared Pu240e mass (g): 0.374  
 Declared Pu mass (g): 0.986  
 Declared - assay Pu mass (g): 0.008 +- 0.006  
 Declared - assay Pu mass (%): 0.861 +- 0.596

Passive multiplicity calibration parameters

Spontaneous fission rate: 4.735000e+002  
 1st factorial moment spontaneous fission: 2.154000e+000  
 2nd factorial moment spontaneous fission: 3.789000e+000  
 3rd factorial moment spontaneous fission: 5.211000e+000  
 1st factorial moment induced fission: 3.163000e+000  
 2nd factorial moment induced fission: 8.240000e+000  
 3rd factorial moment induced fission: 1.732100e+001  
 a: 1.000000e+000  
 b: 0.000000e+000  
 c: 0.000000e+000  
 sigma x: 0.000000e+000  
 alpha weight: 0.000000e+000  
 efficiency correction factor: 1.000000e+000

Passive cycle rate data

(3)

| Cycle | Singles | Doubles | Triples | Mass  | QC Tests |
|-------|---------|---------|---------|-------|----------|
| 1     | 618.793 | 132.179 | 34.696  | 0.389 | Pass     |
| 2     | 613.826 | 124.744 | 32.468  | 0.369 | Pass     |
| 3     | 608.126 | 122.010 | 30.894  | 0.367 | Pass     |
| 4     | 610.393 | 122.244 | 30.377  | 0.372 | Pass     |
| 5     | 624.861 | 130.512 | 33.741  | 0.388 | Pass     |
| 6     | 618.060 | 126.245 | 31.949  | 0.380 | Pass     |
| 7     | 612.726 | 126.644 | 32.710  | 0.377 | Pass     |
| 8     | 617.627 | 135.080 | 36.255  | 0.393 | Pass     |
| 9     | 625.927 | 130.679 | 39.388  | 0.349 | Pass     |
| 10    | 599.358 | 126.877 | 36.913  | 0.349 | Pass     |
| 11    | 624.894 | 134.113 | 35.915  | 0.390 | Pass     |
| 12    | 607.759 | 128.145 | 36.622  | 0.356 | Pass     |
| 13    | 608.893 | 126.711 | 33.917  | 0.368 | Pass     |
| 14    | 602.425 | 120.976 | 31.493  | 0.358 | Pass     |
| 15    | 613.260 | 130.545 | 36.408  | 0.370 | Pass     |
| 16    | 609.093 | 120.310 | 29.386  | 0.370 | Pass     |
| 17    | 612.626 | 126.178 | 33.825  | 0.366 | Pass     |
| 18    | 611.026 | 123.944 | 32.938  | 0.362 | Pass     |
| 19    | 606.926 | 125.744 | 33.811  | 0.364 | Pass     |
| 20    | 602.992 | 117.876 | 30.314  | 0.351 | Pass     |
| 21    | 610.326 | 129.545 | 35.525  | 0.371 | Pass     |
| 22    | 606.459 | 124.611 | 34.332  | 0.355 | Pass     |
| 23    | 606.392 | 119.376 | 29.821  | 0.362 | Pass     |
| 24    | 610.393 | 124.444 | 31.664  | 0.373 | Pass     |
| 25    | 611.926 | 134.112 | 36.708  | 0.385 | Pass     |
| 26    | 620.360 | 129.012 | 33.081  | 0.385 | Pass     |
| 27    | 608.092 | 121.110 | 29.580  | 0.372 | Pass     |
| 28    | 607.692 | 126.178 | 32.778  | 0.374 | Pass     |
| 29    | 611.693 | 130.612 | 35.324  | 0.377 | Pass     |
| 30    | 613.660 | 129.945 | 34.822  | 0.378 | Pass     |

(4)

```

Facility: PFFF
Material balance area: XXXX
Detector type:
Detector id: AVIS R-123
Electronics id:
Inventory change code:
I/O code:
Measurement date: 19.11.26 11:37:48
Results file name: 9BQL3748.VER
Inspection number:
Item id: B
Stratum id: XXXX
Bias uncertainty: 0.0000
Random uncertainty: 0.0000
Systematic uncertainty: 0.0000
Relative std deviation: 0.0000
Material type: Pu
Original declared mass: 9.010
Measurement option: Verification
Data source: Database
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment: 1mm

Isotopics id: PU-490020403
Isotopics source code: OD
Pu238: 1.1680 +- 0.0000 1.1166 +- 0.0000
Pu239: 63.2610 +- 0.0000 64.1215 +- 0.0000
Pu240: 26.6430 +- 0.0000 26.9900 +- 0.0000
Pu241: 4.1840 +- 0.0000 2.9625 +- 0.0000
Pu242: 4.7440 +- 0.0000 4.8095 +- 0.0000
Pu date: 12.06.21 19.11.26
Am241: 3.1000 +- 0.0000 4.4881 +- 0.0000
Am date: 11.12.08 19.11.26

Pre-delay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1740
Die away time: 30.0000
Efficiency: 0.6750
Multiplicity deadtime: 72.6000
    
```

(1)

```

Coefficient A deadtime: 0.2904
Coefficient B deadtime: 0.0211
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.7930
Triples gate fraction: 0.6225

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 7.220 +- 0.116
Passive doubles bkgnd: 0.045 +- 0.012
Passive triples bkgnd: 0.005 +- 0.003
Passive scaler1 bkgnd: 0.687
Passive scaler2 bkgnd: 3.308

Number passive cycles: 30
Count time (sec): 30

Passive messages

Known alpha: failed stratum rejection limits
Multiplicity: failed stratum rejection limits

Results

Singles: 5423.257 +- 3.554
Doubles: 1194.416 +- 2.964
Triples: 343.461 +- 3.508
Quads: 70.474 +- 3.417
Quads/Triples: 0.203 +- 0.008
Scaler 1: 1531.599 +- 1.443
Scaler 2: 817.695 +- 1.056
    
```

```

PRIMARY RESULT

Known alpha results

Alpha: 0.860
Multiplication: 1.000
Multiplication corrected doubles: 1194.416 +- 2.964
Pu240e mass (g): 3.686 +- 0.009
Pu240e (%): 37.884
Pu mass (g): 9.730 +- 0.024
Declared Pu240e mass (g): 3.367
Declared Pu mass (g): 8.887
Declared - assay Pu mass (g): -0.842 +- 0.024
    
```

(2)

```

| Declared - assay Pu mass (%): -9.479 +- 0.272|
|-----|
    
```

Known alpha calibration parameters

```

Alpha weight: 1.000000e+000
Rho zero: 4.707231e-001
k: 2.166000e+000
a: 0.000000e+000
b: 3.240449e+002
variance a: 0.000000e+000
variance b: 0.000000e+000
covariance ab: 0.000000e+000
sigma x: 0.000000e+000
    
```

Passive multiplicity results

```

Multiplication: 1.015 +- 0.001
Alpha: 1.339 +- 0.010
Multiplication correction factor: 1.000
Pu240e mass (g): 3.316 +- 0.016
Pu240e (%): 37.884
Pu mass (g): 8.754 +- 0.043
Declared Pu240e mass (g): 3.367
Declared Pu mass (g): 8.887
Declared - assay Pu mass (g): 0.133 +- 0.043
Declared - assay Pu mass (%): 1.501 +- 0.480
    
```

Passive multiplicity calibration parameters

```

Spontaneous fission rate: 4.735000e+002
1st factorial moment spontaneous fission: 2.154000e+000
2nd factorial moment spontaneous fission: 3.789000e+000
3rd factorial moment spontaneous fission: 5.211000e+000
1st factorial moment induced fission: 3.163000e+000
2nd factorial moment induced fission: 8.240000e+000
3rd factorial moment induced fission: 1.732100e+001
a: 1.000000e+000
b: 0.000000e+000
c: 0.000000e+000
sigma x: 0.000000e+000
alpha weight: 0.000000e+000
efficiency correction factor: 1.000000e+000
    
```

Passive cycle rate data

(3)

| Cycle | Singles  | Doubles  | Triples | Mass  | QC Tests |
|-------|----------|----------|---------|-------|----------|
| 1     | 5447.440 | 1197.884 | 339.320 | 3.360 | Pass     |
| 2     | 5417.883 | 1209.793 | 343.448 | 3.391 | Pass     |
| 3     | 5425.656 | 1162.254 | 296.222 | 3.486 | Pass     |
| 4     | 5405.373 | 1169.726 | 315.266 | 3.389 | Pass     |
| 5     | 5450.209 | 1215.847 | 342.445 | 3.426 | Pass     |
| 6     | 5416.449 | 1201.746 | 330.547 | 3.439 | Pass     |
| 7     | 5439.400 | 1208.265 | 336.755 | 3.428 | Pass     |
| 8     | 5427.657 | 1221.481 | 344.520 | 3.440 | Pass     |
| 9     | 5434.663 | 1203.122 | 371.267 | 3.175 | Pass     |
| 10    | 5430.593 | 1223.586 | 393.191 | 3.135 | Pass     |
| 11    | 5410.544 | 1187.422 | 332.315 | 3.358 | Pass     |
| 12    | 5429.892 | 1180.985 | 346.978 | 3.227 | Pass     |
| 13    | 5453.244 | 1209.739 | 362.157 | 3.266 | Pass     |
| 14    | 5419.384 | 1180.047 | 326.168 | 3.364 | Pass     |
| 15    | 5432.761 | 1218.545 | 371.960 | 3.246 | Pass     |
| 16    | 5411.144 | 1190.894 | 353.734 | 3.231 | Pass     |
| 17    | 5393.330 | 1189.653 | 350.247 | 3.249 | Pass     |
| 18    | 5387.626 | 1167.917 | 326.417 | 3.304 | Pass     |
| 19    | 5446.606 | 1185.999 | 339.529 | 3.301 | Pass     |
| 20    | 5413.480 | 1194.634 | 359.617 | 3.211 | Pass     |
| 21    | 5442.936 | 1198.250 | 366.119 | 3.185 | Pass     |
| 22    | 5453.611 | 1204.764 | 345.795 | 3.350 | Pass     |
| 23    | 5421.352 | 1198.109 | 361.494 | 3.215 | Pass     |
| 24    | 5443.403 | 1204.026 | 352.987 | 3.299 | Pass     |
| 25    | 5387.259 | 1197.563 | 344.151 | 3.328 | Pass     |
| 26    | 5415.548 | 1171.899 | 325.506 | 3.329 | Pass     |
| 27    | 5402.804 | 1193.529 | 337.099 | 3.355 | Pass     |
| 28    | 5404.172 | 1188.922 | 330.306 | 3.379 | Pass     |
| 29    | 5435.297 | 1179.985 | 327.945 | 3.351 | Pass     |
| 30    | 5398.001 | 1175.899 | 330.203 | 3.316 | Pass     |

(4)

Facility: PFFF  
Material balance area: XXXX  
Detector type: XXXX  
Detector id: AVIS R-123  
Electronics id:  
Inventory change code:  
I/O code:  
Measurement date: 19.11.26 13:41:23  
Results file name: 9BQN4123.VER  
Inspection number:  
Item id: B  
Stratum id: XXXX  
Bias uncertainty: 0.0000  
Random uncertainty: 0.0000  
Systematic uncertainty: 0.0000  
Relative std deviation: 0.0000  
Material type: Pu  
Original declared mass: 9.010  
Measurement option: Verification  
Data source: Database  
QC tests: On  
Error calculation: Sample method  
Accidentals method: Measured  
Inspector name:  
Passive comment: 2mm

Isotopics id: PU-490020403  
Isotopics source code: OD  
Pu238: 1.1680 +- 0.0000 1.1166 +- 0.0000  
Pu239: 63.2610 +- 0.0000 64.1215 +- 0.0000  
Pu240: 26.6430 +- 0.0000 26.9900 +- 0.0000  
Pu241: 4.1840 +- 0.0000 2.9625 +- 0.0000  
Pu242: 4.7440 +- 0.0000 4.8095 +- 0.0000  
Pu date: 12.06.21 19.11.26  
Am241: 3.1000 +- 0.0000 4.4881 +- 0.0000  
Am date: 11.12.08 19.11.26

Predelay: 1.50  
Gate length: 64.00  
2nd gate length: 64.00  
High voltage: 1740  
Die away time: 30.0000  
Efficiency: 0.6750  
Multiplicity deadtime: 72.6000

(1)

Coefficient A deadtime: 0.2904  
Coefficient B deadtime: 0.0211  
Coefficient C deadtime: 0.0000  
Doubles gate fraction: 0.7930  
Triples gate fraction: 0.6225

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 7.035 +- 0.114  
Passive doubles bkgnd: 0.078 +- 0.023  
Passive triples bkgnd: 0.022 +- 0.009  
Passive scaler1 bkgnd: 0.645  
Passive scaler2 bkgnd: 3.285

Number passive cycles: 30  
Count time (sec): 30

Passive messages

Known alpha: failed stratum rejection limits  
Multiplicity: failed stratum rejection limits

Results

Singles: 5428.317 +- 2.959  
Doubles: 1201.727 +- 2.899  
Triples: 344.318 +- 2.446  
Quads: 71.104 +- 1.652  
Quads/Triples: 0.206 +- 0.004  
Scaler 1: 1530.474 +- 1.246  
Scaler 2: 816.046 +- 0.852

| PRIMARY RESULT                    |             |       |  |
|-----------------------------------|-------------|-------|--|
| Known alpha results               |             |       |  |
| Alpha:                            | 0.860       |       |  |
| Multiplication:                   | 1.000       |       |  |
| Multiplication corrected doubles: | 1201.727 +- | 2.899 |  |
| Pu240e mass (g):                  | 3.709 +-    | 0.009 |  |
| Pu240e (%):                       | 37.884      |       |  |
| Pu mass (g):                      | 9.789 +-    | 0.024 |  |
| Declared Pu240e mass (g):         | 3.367       |       |  |
| Declared Pu mass (g):             | 8.887       |       |  |
| Declared - assay Pu mass (g):     | -0.902 +-   | 0.024 |  |

(2)

| Declared - assay Pu mass (%): -10.149 +- 0.266|  
|-----|

Known alpha calibration parameters

Alpha weight: 1.000000e+000  
Rho zero: 4.707231e-001  
k: 2.166000e+000  
a: 0.000000e+000  
b: 3.240449e+002  
variance a: 0.000000e+000  
variance b: 0.000000e+000  
covariance ab: 0.000000e+000  
sigma x: 0.000000e+000

Passive multiplicity results

Multiplication: 1.015 +- 0.001  
Alpha: 1.322 +- 0.008  
Multiplication correction factor: 1.000  
Pu240e mass (g): 3.346 +- 0.013  
Pu240e (%): 37.884  
Pu mass (g): 8.832 +- 0.034  
Declared Pu240e mass (g): 3.367  
Declared Pu mass (g): 8.887  
Declared - assay Pu mass (g): 0.055 +- 0.034  
Declared - assay Pu mass (%): 0.623 +- 0.378

Passive multiplicity calibration parameters

Spontaneous fission rate: 4.735000e+002  
1st factorial moment spontaneous fission: 2.154000e+000  
2nd factorial moment spontaneous fission: 3.789000e+000  
3rd factorial moment spontaneous fission: 5.211000e+000  
1st factorial moment induced fission: 3.163000e+000  
2nd factorial moment induced fission: 8.240000e+000  
3rd factorial moment induced fission: 1.732100e+001  
a: 1.000000e+000  
b: 0.000000e+000  
c: 0.000000e+000  
sigma x: 0.000000e+000  
alpha weight: 0.000000e+000  
efficiency correction factor: 1.000000e+000

Passive cycle rate data

(3)

| Cycle | Singles  | Doubles  | Triples | Mass  | QC Tests |
|-------|----------|----------|---------|-------|----------|
| 1     | 5447.258 | 1230.636 | 369.140 | 3.322 | Pass     |
| 2     | 5425.374 | 1213.702 | 347.809 | 3.381 | Pass     |
| 3     | 5445.156 | 1210.737 | 362.545 | 3.268 | Pass     |
| 4     | 5428.176 | 1213.569 | 352.438 | 3.349 | Pass     |
| 5     | 5451.328 | 1213.444 | 347.961 | 3.378 | Pass     |
| 6     | 5423.772 | 1196.774 | 346.737 | 3.306 | Pass     |
| 7     | 5434.714 | 1214.807 | 348.314 | 3.382 | Pass     |
| 8     | 5424.473 | 1202.784 | 343.528 | 3.356 | Pass     |
| 9     | 5433.947 | 1170.136 | 323.024 | 3.337 | Pass     |
| 10    | 5431.479 | 1213.136 | 342.371 | 3.414 | Pass     |
| 11    | 5448.392 | 1183.696 | 329.360 | 3.359 | Pass     |
| 12    | 5404.791 | 1179.674 | 321.918 | 3.391 | Pass     |
| 13    | 5422.205 | 1212.832 | 358.737 | 3.304 | Pass     |
| 14    | 5414.365 | 1183.984 | 347.825 | 3.237 | Pass     |
| 15    | 5443.421 | 1212.840 | 332.811 | 3.477 | Pass     |
| 16    | 5430.544 | 1186.961 | 343.552 | 3.279 | Pass     |
| 17    | 5412.097 | 1209.123 | 343.280 | 3.389 | Pass     |
| 18    | 5422.438 | 1183.353 | 340.794 | 3.280 | Pass     |
| 19    | 5426.174 | 1206.858 | 327.704 | 3.483 | Pass     |
| 20    | 5418.869 | 1198.208 | 341.850 | 3.346 | Pass     |
| 21    | 5418.769 | 1184.754 | 321.968 | 3.415 | Pass     |
| 22    | 5399.487 | 1195.898 | 339.167 | 3.353 | Pass     |
| 23    | 5414.832 | 1215.267 | 353.225 | 3.353 | Pass     |
| 24    | 5400.354 | 1182.778 | 325.953 | 3.379 | Pass     |
| 25    | 5443.288 | 1230.835 | 376.865 | 3.273 | Pass     |
| 26    | 5444.889 | 1217.748 | 350.688 | 3.380 | Pass     |
| 27    | 5444.856 | 1211.104 | 334.484 | 3.457 | Pass     |
| 28    | 5441.920 | 1185.964 | 352.875 | 3.212 | Pass     |
| 29    | 5454.730 | 1205.900 | 349.994 | 3.327 | Pass     |
| 30    | 5397.418 | 1184.312 | 352.515 | 3.208 | Pass     |

(4)

INCC 5.1.2

```

Facility: PFFF
Material balance area: XXXX
Detector type:
Detector id: AVIS R-123
Electronics id:
Inventory change code:
I/O code:
Measurement date: 19.11.28 09:56:38
Results file name: 9BSJ5638.VER
Inspection number:
Item id: C
Stratum id: XXXX
Bias uncertainty: 0.0000
Random uncertainty: 0.0000
Systematic uncertainty: 0.0000
Relative std deviation: 0.0000
Material type: Pu
Original declared mass: 1.090
Measurement option: Verification
Data source: Shift register
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name: JAEA
Passive comment: 1mm

Isotopics id: PU-400025106
Isotopics source code: OD
Pu238: 1.0670 +- 0.0000 0.9911 +- 0.0000
Pu239: 64.7610 +- 0.0000 66.2309 +- 0.0000
Pu240: 25.1940 +- 0.0000 25.7416 +- 0.0000
Pu241: 4.7090 +- 0.0000 2.6690 +- 0.0000
Pu242: 4.2690 +- 0.0000 4.3673 +- 0.0000
Pu date: 07.09.07 19.11.28
Am241: 5.2012 +- 0.0000 7.3439 +- 0.0000
Am date: 07.09.07 19.11.28

Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1740
Die away time: 30.0000
Efficiency: 0.6750
Multiplicity deadtime: 72.6000
    
```

(1)

```

Coefficient A deadtime: 0.2904
Coefficient B deadtime: 0.0211
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.7930
Triples gate fraction: 0.6225

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 7.592 +- 0.119
Passive doubles bkgnd: 0.052 +- 0.011
Passive triples bkgnd: 0.003 +- 0.002
Passive scaler1 bkgnd: 0.675
Passive scaler2 bkgnd: 3.637

Number passive cycles: 30
Count time (sec): 30

Passive messages
Known alpha: failed stratum rejection limits
Multiplicity: failed stratum rejection limits

Results
Singles: 540.891 +- 0.808
Doubles: 129.430 +- 0.630
Triples: 35.649 +- 0.451
Quads: 6.807 +- 0.289
Quads/Triples: 0.189 +- 0.006
Scaler 1: 149.534 +- 0.372
Scaler 2: 83.741 +- 0.246

Known alpha results
Alpha: 1.078
Multiplication: 1.010
Multiplication corrected doubles: 121.270 +- 0.242
Pu240e mass (g): 0.374 +- 0.001
Pu240e (%): 35.576
Pu mass (g): 1.052 +- 0.002
Declared Pu240e mass (g): 0.379
Declared Pu mass (g): 1.065
Declared - assay Pu mass (g): 0.014 +- 0.002
Declared - assay Pu mass (%): 1.267 +- 0.197

Known alpha calibration parameters
    
```

(2)

```

Alpha weight: 1.000000e+000
Rho zero: 4.707231e-001
k: 2.166000e+000
a: 0.000000e+000
b: 3.240449e+002
variance a: 0.000000e+000
variance b: 0.000000e+000
covariance ab: 0.000000e+000
sigma x: 0.000000e+000

PRIMARY RESULT
Passive multiplicity results
Multiplication: 1.011 +- 0.001
Alpha: 1.093 +- 0.011
Multiplication correction factor: 1.000
Pu240e mass (g): 0.371 +- 0.002
Pu240e (%): 35.576
Pu mass (g): 1.043 +- 0.007
Declared Pu240e mass (g): 0.379
Declared Pu mass (g): 1.065
Declared - assay Pu mass (g): 0.022 +- 0.007
Declared - assay Pu mass (%): 2.090 +- 0.613
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

Passive multiplicity calibration parameters
Spontaneous fission rate: 4.735000e+002
1st factorial moment spontaneous fission: 2.154000e+000
2nd factorial moment spontaneous fission: 3.789000e+000
3rd factorial moment spontaneous fission: 5.211000e+000
1st factorial moment induced fission: 3.163000e+000
2nd factorial moment induced fission: 8.240000e+000
3rd factorial moment induced fission: 1.732100e+001
a: 1.000000e+000
b: 0.000000e+000
c: 0.000000e+000
sigma x: 0.000000e+000
alpha weight: 0.000000e+000
efficiency correction factor: 1.000000e+000
    
```

Passive cycle rate data

(3)

| Cycle | Singles | Doubles | Triples | Mass  | QC Tests |
|-------|---------|---------|---------|-------|----------|
| 1     | 543.430 | 130.603 | 39.508  | 0.352 | Pass     |
| 2     | 540.563 | 126.935 | 31.928  | 0.384 | Pass     |
| 3     | 538.163 | 129.769 | 36.824  | 0.365 | Pass     |
| 4     | 531.429 | 126.301 | 34.926  | 0.361 | Pass     |
| 5     | 539.530 | 129.102 | 37.167  | 0.360 | Pass     |
| 6     | 539.163 | 131.102 | 37.908  | 0.365 | Pass     |
| 7     | 546.797 | 130.236 | 34.115  | 0.385 | Pass     |
| 8     | 546.631 | 129.569 | 37.595  | 0.359 | Pass     |
| 9     | 539.263 | 124.335 | 31.010  | 0.378 | Pass     |
| 10    | 542.230 | 130.269 | 37.227  | 0.365 | Pass     |
| 11    | 540.497 | 131.136 | 36.223  | 0.376 | Pass     |
| 12    | 536.030 | 130.869 | 35.174  | 0.381 | Pass     |
| 13    | 543.830 | 133.070 | 37.434  | 0.377 | Pass     |
| 14    | 541.964 | 128.436 | 34.474  | 0.374 | Pass     |
| 15    | 542.397 | 126.735 | 35.006  | 0.362 | Pass     |
| 16    | 545.497 | 128.802 | 33.526  | 0.382 | Pass     |
| 17    | 539.497 | 129.902 | 38.945  | 0.352 | Pass     |
| 18    | 544.064 | 138.104 | 42.077  | 0.372 | Pass     |
| 19    | 532.630 | 124.735 | 33.690  | 0.362 | Pass     |
| 20    | 537.363 | 122.401 | 33.823  | 0.350 | Pass     |
| 21    | 540.930 | 126.902 | 33.599  | 0.373 | Pass     |
| 22    | 536.296 | 127.568 | 35.161  | 0.366 | Pass     |
| 23    | 543.330 | 131.136 | 37.620  | 0.366 | Pass     |
| 24    | 541.530 | 129.636 | 35.509  | 0.373 | Pass     |
| 25    | 541.430 | 128.802 | 31.774  | 0.394 | Pass     |
| 26    | 548.731 | 133.537 | 35.579  | 0.391 | Pass     |
| 27    | 541.264 | 129.169 | 34.185  | 0.380 | Pass     |
| 28    | 549.664 | 137.737 | 38.736  | 0.391 | Pass     |
| 29    | 539.163 | 131.203 | 33.747  | 0.392 | Pass     |
| 30    | 533.430 | 124.801 | 34.984  | 0.354 | Pass     |

(4)

INCC 5.1.2

Facility: PFFF
Material balance area: XXXX
Detector type:
Detector id: AVIS R-123
Electronics id:
Inventory change code:
I/O code:
Measurement date: 19.11.28 10:18:50
Results file name: 9BSK1850.VER
Inspection number:
Item id: C
Stratum id: XXXX
Bias uncertainty: 0.0000
Random uncertainty: 0.0000
Systematic uncertainty: 0.0000
Relative std deviation: 0.0000
Material type: Pu
Original declared mass: 1.090
Measurement option: Verification
Data source: Database
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name:
Passive comment: 2mm
Isotopics id: PU-400025106
Isotopics source code: OD
Pu238: 1.0670 +- 0.0000 0.9911 +- 0.0000
Pu239: 64.7610 +- 0.0000 66.2309 +- 0.0000
Pu240: 25.1940 +- 0.0000 25.7416 +- 0.0000
Pu241: 4.7090 +- 0.0000 2.6690 +- 0.0000
Pu242: 4.2690 +- 0.0000 4.3673 +- 0.0000
Pu date: 07.09.07 19.11.28
Am241: 5.2012 +- 0.0000 7.3439 +- 0.0000
Am date: 07.09.07 19.11.28
Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1740
Die away time: 30.0000
Efficiency: 0.6750
Multiplicity deadtime: 72.6000

(1)

Coefficient A deadtime: 0.2904
Coefficient B deadtime: 0.0211
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.7930
Triples gate fraction: 0.6225
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgnd: 7.317 +- 0.100
Passive doubles bkgnd: 0.055 +- 0.010
Passive triples bkgnd: 0.003 +- 0.002
Passive scaler1 bkgnd: 0.702
Passive scaler2 bkgnd: 3.382
Number passive cycles: 30
Count time (sec): 30
Passive messages
Known alpha: failed stratum rejection limits
Multiplicity: failed stratum rejection limits
Results
Singles: 540.890 +- 0.817
Doubles: 128.341 +- 0.650
Triples: 35.110 +- 0.404
Quads: 6.506 +- 0.296
Quads/Triples: 0.184 +- 0.007
Scaler 1: 149.578 +- 0.479
Scaler 2: 84.421 +- 0.378
Known alpha results
Alpha: 1.078
Multiplication: 1.009
Multiplication corrected doubles: 121.461 +- 0.246
Pu240e mass (g): 0.375 +- 0.001
Pu240e (%): 35.576
Pu mass (g): 1.054 +- 0.002
Declared Pu240e mass (g): 0.379
Declared Pu mass (g): 1.065
Declared - assay Pu mass (g): 0.012 +- 0.002
Declared - assay Pu mass (%): 1.112 +- 0.200
Known alpha calibration parameters

(2)

Alpha weight: 1.000000e+000
Rho zero: 4.707231e-001
k: 2.166000e+000
a: 0.000000e+000
b: 3.240449e+002
variance a: 0.000000e+000
variance b: 0.000000e+000
covariance ab: 0.000000e+000
sigma x: 0.000000e+000

PRIMARY RESULT
Passive multiplicity results
Multiplication: 1.011 +- 0.001
Alpha: 1.104 +- 0.010
Multiplication correction factor: 1.000
Pu240e mass (g): 0.369 +- 0.002
Pu240e (%): 35.576
Pu mass (g): 1.038 +- 0.006
Declared Pu240e mass (g): 0.379
Declared Pu mass (g): 1.065
Declared - assay Pu mass (g): 0.027 +- 0.006
Declared - assay Pu mass (%): 2.530 +- 0.577

Passive multiplicity calibration parameters

Spontaneous fission rate: 4.735000e+002
1st factorial moment spontaneous fission: 2.154000e+000
2nd factorial moment spontaneous fission: 3.789000e+000
3rd factorial moment spontaneous fission: 5.211000e+000
1st factorial moment induced fission: 3.163000e+000
2nd factorial moment induced fission: 8.240000e+000
3rd factorial moment induced fission: 1.732100e+001
a: 1.000000e+000
b: 0.000000e+000
c: 0.000000e+000
sigma x: 0.000000e+000
alpha weight: 0.000000e+000
efficiency correction factor: 1.000000e+000

Passive cycle rate data

(3)

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Rows 1-30 showing cycle data and pass/fail status.

(4)

INCC 5.1.2

Facility: PFFF
Material balance area: XXXX
Detector type:
Detector id: AVIS R-123
Electronics id:
Inventory change code:
I/O code:
Measurement date: 19.11.28 11:01:31
Results file name: 9BSL0131.VER
Inspection number:
Item id: D
Stratum id: XXXX
Bias uncertainty: 0.0000
Random uncertainty: 0.0000
Systematic uncertainty: 0.0000
Relative std deviation: 0.0000
Material type: Pu
Original declared mass: 3.220
Measurement option: Verification
Data source: Shift register
QC tests: On
Error calculation: Sample method
Accidentals method: Measured
Inspector name: JAEA
Passive comment: 1mm
Isotopics id: PU-400025106
Isotopics source code: OD
Pu238: 1.0670 +- 0.0000 0.9911 +- 0.0000
Pu239: 64.7610 +- 0.0000 66.2309 +- 0.0000
Pu240: 25.1940 +- 0.0000 25.7416 +- 0.0000
Pu241: 4.7090 +- 0.0000 2.6690 +- 0.0000
Pu242: 4.2690 +- 0.0000 4.3673 +- 0.0000
Pu date: 07.09.07 19.11.28
Am241: 5.2012 +- 0.0000 7.3439 +- 0.0000
Am date: 07.09.07 19.11.28
Predelay: 1.50
Gate length: 64.00
2nd gate length: 64.00
High voltage: 1740
Die away time: 30.0000
Efficiency: 0.6750
Multiplicity deadtime: 72.6000

(1)

Coefficient A deadtime: 0.2904
Coefficient B deadtime: 0.0211
Coefficient C deadtime: 0.0000
Doubles gate fraction: 0.7930
Triples gate fraction: 0.6225
Normalization constant: 1.0000 +- 0.0000
Passive singles bkgrnd: 7.592 +- 0.119
Passive doubles bkgrnd: 0.052 +- 0.011
Passive triples bkgrnd: 0.003 +- 0.002
Passive scaler1 bkgrnd: 0.675
Passive scaler2 bkgrnd: 3.637
Number passive cycles: 30
Count time (sec): 30
Passive messages
Known alpha: failed stratum rejection limits
Multiplicity: failed stratum rejection limits
Results
Singles: 1614.677 +- 1.660
Doubles: 389.662 +- 1.286
Triples: 107.899 +- 0.977
Quads: 20.055 +- 0.639
Quads/Triples: 0.185 +- 0.005
Scaler 1: 448.213 +- 0.781
Scaler 2: 249.299 +- 0.540
Known alpha results
Alpha: 1.078
Multiplication: 1.012
Multiplication corrected doubles: 361.443 +- 0.495
Pu240e mass (g): 1.115 +- 0.002
Pu240e (%): 35.576
Pu mass (g): 3.135 +- 0.004
Declared Pu240e mass (g): 1.120
Declared Pu mass (g): 3.147
Declared - assay Pu mass (g): 0.012 +- 0.004
Declared - assay Pu mass (%): 0.387 +- 0.136
Known alpha calibration parameters

(2)

Alpha weight: 1.000000e+000
Rho zero: 4.707231e-001
k: 2.166000e+000
a: 0.000000e+000
b: 3.240449e+002
variance a: 0.000000e+000
variance b: 0.000000e+000
covariance ab: 0.000000e+000
sigma x: 0.000000e+000

PRIMARY RESULT
Passive multiplicity results
Multiplication: 1.012 +- 0.001
Alpha: 1.081 +- 0.006
Multiplication correction factor: 1.000
Pu240e mass (g): 1.114 +- 0.004
Pu240e (%): 35.576
Pu mass (g): 3.131 +- 0.010
Declared Pu240e mass (g): 1.120
Declared Pu mass (g): 3.147
Declared - assay Pu mass (g): 0.016 +- 0.010
Declared - assay Pu mass (%): 0.520 +- 0.323

Passive multiplicity calibration parameters

Spontaneous fission rate: 4.735000e+002
1st factorial moment spontaneous fission: 2.154000e+000
2nd factorial moment spontaneous fission: 3.789000e+000
3rd factorial moment spontaneous fission: 5.211000e+000
1st factorial moment induced fission: 3.163000e+000
2nd factorial moment induced fission: 8.240000e+000
3rd factorial moment induced fission: 1.732100e+001
a: 1.000000e+000
b: 0.000000e+000
c: 0.000000e+000
sigma x: 0.000000e+000
alpha weight: 0.000000e+000
efficiency correction factor: 1.000000e+000

Passive cycle rate data

(3)

Table with 6 columns: Cycle, Singles, Doubles, Triples, Mass, QC Tests. Contains 30 rows of data.

(4)

INCC 5.1.2

Facility: PFFF  
 Material balance area: XXXX  
 Detector type: XXXX  
 Detector id: AVIS R-123  
 Electronics id:  
 Inventory change code:  
 I/O code:  
 Measurement date: 19.11.28 10:40:56  
 Results file name: 9BSK4056.VER  
 Inspection number:  
 Item id: D  
 Stratum id: XXXX  
 Bias uncertainty: 0.0000  
 Random uncertainty: 0.0000  
 Systematic uncertainty: 0.0000  
 Relative std deviation: 0.0000  
 Material type: Pu  
 Original declared mass: 3.220  
 Measurement option: Verification  
 Data source: Database  
 QC tests: On  
 Error calculation: Sample method  
 Accidentals method: Measured  
 Inspector name:  
 Passive comment: 2mm

Isotopics id: PU-400025106  
 Isotopics source code: OD  
 Pu238: 1.0670 +- 0.0000 0.9911 +- 0.0000  
 Pu239: 64.7610 +- 0.0000 66.2309 +- 0.0000  
 Pu240: 25.1940 +- 0.0000 25.7416 +- 0.0000  
 Pu241: 4.7090 +- 0.0000 2.6690 +- 0.0000  
 Pu242: 4.2690 +- 0.0000 4.3673 +- 0.0000  
 Pu date: 07.09.07 19.11.28  
 Am241: 5.2012 +- 0.0000 7.3439 +- 0.0000  
 Am date: 07.09.07 19.11.28

Pre-delay: 1.50  
 Gate length: 64.00  
 2nd gate length: 64.00  
 High voltage: 1740  
 Die away time: 30.0000  
 Efficiency: 0.6750  
 Multiplicity deadtime: 72.6000

(1)

Coefficient A deadtime: 0.2904  
 Coefficient B deadtime: 0.0211  
 Coefficient C deadtime: 0.0000  
 Doubles gate fraction: 0.7930  
 Triples gate fraction: 0.6225

Normalization constant: 1.0000 +- 0.0000

Passive singles bkgnd: 7.317 +- 0.100  
 Passive doubles bkgnd: 0.055 +- 0.010  
 Passive triples bkgnd: 0.003 +- 0.002  
 Passive scaler1 bkgnd: 0.702  
 Passive scaler2 bkgnd: 3.382

Number passive cycles: 30  
 Count time (sec): 30

Passive messages

Known alpha: failed stratum rejection limits  
 Multiplicity: failed stratum rejection limits

Results

|                |             |       |
|----------------|-------------|-------|
| Singles:       | 1612.243 +- | 1.887 |
| Doubles:       | 389.586 +-  | 1.519 |
| Triples:       | 109.459 +-  | 1.269 |
| Quads:         | 21.536 +-   | 1.006 |
| Quads/Triples: | 0.195 +-    | 0.007 |
| Scaler 1:      | 447.999 +-  | 0.753 |
| Scaler 2:      | 248.686 +-  | 0.590 |

Known alpha results

|                                   |                  |
|-----------------------------------|------------------|
| Alpha:                            | 1.078            |
| Multiplication:                   | 1.012            |
| Multiplication corrected doubles: | 360.809 +- 0.567 |
| Pu240e mass (g):                  | 1.113 +- 0.002   |
| Pu240e (%):                       | 35.576           |
| Pu mass (g):                      | 3.130 +- 0.005   |
| Declared Pu240e mass (g):         | 1.120            |
| Declared Pu mass (g):             | 3.147            |
| Declared - assay Pu mass (g):     | 0.018 +- 0.005   |
| Declared - assay Pu mass (%):     | 0.561 +- 0.156   |

Known alpha calibration parameters

(2)

Alpha weight: 1.000000e+000  
 Rho zero: 4.707231e-001  
 k: 2.166000e+000  
 a: 0.000000e+000  
 b: 3.240449e+002  
 variance a: 0.000000e+000  
 variance b: 0.000000e+000  
 covariance ab: 0.000000e+000  
 sigma x: 0.000000e+000

```

PRIMARY RESULT
Passive multiplicity results
Multiplication: 1.013 +- 0.001
Alpha: 1.094 +- 0.006
Multiplication correction factor: 1.000
Pu240e mass (g): 1.104 +- 0.004
Pu240e (%): 35.576
Pu mass (g): 3.102 +- 0.011
Declared Pu240e mass (g): 1.120
Declared Pu mass (g): 3.147
Declared - assay Pu mass (g): 0.046 +- 0.011
Declared - assay Pu mass (%): 1.447 +- 0.350
    
```

Passive multiplicity calibration parameters

Spontaneous fission rate: 4.735000e+002  
 1st factorial moment spontaneous fission: 2.154000e+000  
 2nd factorial moment spontaneous fission: 3.789000e+000  
 3rd factorial moment spontaneous fission: 5.211000e+000  
 1st factorial moment induced fission: 3.163000e+000  
 2nd factorial moment induced fission: 8.240000e+000  
 3rd factorial moment induced fission: 1.732100e+001  
 a: 1.000000e+000  
 b: 0.000000e+000  
 c: 0.000000e+000  
 sigma x: 0.000000e+000  
 alpha weight: 0.000000e+000  
 efficiency correction factor: 1.000000e+000

Passive cycle rate data

(3)

| Cycle | Singles  | Doubles | Triples | Mass  | QC Tests     |
|-------|----------|---------|---------|-------|--------------|
| 1     | 1622.276 | 389.663 | 107.738 | 1.115 | Pass         |
| 2     | 1625.944 | 393.565 | 113.436 | 1.097 | Pass         |
| 3     | 1629.111 | 402.603 | 124.544 | 1.070 | Pass         |
| 4     | 1614.508 | 394.397 | 113.080 | 1.103 | Pass         |
| 5     | 1609.706 | 379.590 | 98.706  | 1.127 | Pass         |
| 6     | 1608.073 | 397.431 | 120.759 | 1.070 | Pass         |
| 7     | 1605.639 | 385.726 | 108.298 | 1.093 | Pass         |
| 8     | 1614.208 | 398.766 | 119.533 | 1.084 | Pass         |
| 9     | 1617.142 | 401.835 | 117.148 | 1.113 | Pass         |
| 10    | 1613.641 | 391.596 | 153.511 | 0.851 | Fail outlier |
| test  |          |         |         |       |              |
| 11    | 1585.201 | 381.655 | 107.790 | 1.077 | Pass         |
| 12    | 1606.872 | 380.323 | 101.246 | 1.113 | Pass         |
| 13    | 1616.841 | 390.729 | 112.379 | 1.090 | Pass         |
| 14    | 1626.410 | 408.572 | 119.878 | 1.127 | Pass         |
| 15    | 1599.971 | 385.392 | 106.021 | 1.106 | Pass         |
| 16    | 1612.874 | 388.094 | 115.379 | 1.059 | Pass         |
| 17    | 1620.342 | 396.599 | 106.641 | 1.155 | Pass         |
| 18    | 1610.240 | 387.160 | 108.823 | 1.096 | Pass         |
| 19    | 1616.108 | 395.365 | 110.770 | 1.123 | Pass         |
| 20    | 1613.974 | 388.561 | 106.592 | 1.117 | Pass         |
| 21    | 1599.938 | 383.057 | 102.521 | 1.118 | Pass         |
| 22    | 1603.872 | 375.921 | 100.226 | 1.099 | Pass         |
| 23    | 1612.040 | 392.530 | 110.879 | 1.108 | Pass         |
| 24    | 1605.405 | 375.254 | 98.067  | 1.110 | Pass         |
| 25    | 1617.875 | 390.696 | 113.188 | 1.085 | Pass         |
| 26    | 1623.010 | 389.763 | 109.379 | 1.105 | Pass         |
| 27    | 1612.240 | 382.225 | 99.437  | 1.134 | Pass         |
| 28    | 1626.710 | 394.966 | 107.982 | 1.138 | Pass         |
| 29    | 1592.536 | 376.320 | 101.689 | 1.091 | Pass         |
| 30    | 1618.075 | 396.032 | 115.106 | 1.098 | Pass         |
| 31    | 1600.138 | 384.791 | 106.466 | 1.100 | Pass         |

(4)

HRGS\_サンプルA\_1mm.txt

\*\*\*\*\*  
 \*\*\*\*\* MGA REPORT \*\*\*\*\*  
 \*\*\*\*\*

Report generated on: 11/26/19 11:34:12 AM  
 MGA version: MGA V9.63F CI  
 Spectrum ID: HRGSD\_MD Sens: 30.0% LT: 15.0 Mins DT: 0.58  
 Measurement date: 11/26/19 Declared date:  
 Sample ID: A 1mm Detector: HRGSD Total counts: 3.471E+005  
 Operator:  
 Pu g/cm2 = 1.0351 Cd g/cm2 = 1.7295 FWHM at 122 keV = 524 eV  
 QFIT = 1.00 FWHM at 208 keV = 658 eV  
 NQFIT = 1.00

| Isotope analysis at |                       |           |          |                       |           |                        |                        |          |      |  |  |
|---------------------|-----------------------|-----------|----------|-----------------------|-----------|------------------------|------------------------|----------|------|--|--|
| Isotope             | Relative<br>to Pu-239 | %*<br>Err | %<br>Err | Relative<br>to Pu-241 | %*<br>Err | Meas. date<br>% weight | Decl. date<br>% weight | %Err     |      |  |  |
| Pu-238              | 0.016763              | 5.0       | 1.6      | 0.3835                | 2.1       | 1.09926                | 3.47                   | 1.09926  | 3.47 |  |  |
| Pu-239              | 1.000000              | 0.0       | 4.8      | 22.8787               | 5.0       | 65.57545               | 1.82                   | 65.57545 | 1.82 |  |  |
| Pu-240              | 0.416538              | 5.6       | 2.9      | 9.5298                | 3.2       | 27.31464               | 3.72                   | 27.31464 | 3.72 |  |  |
| Pu-241              | 0.043709              | 4.6       | 1.3      | 1.0000                | 0.0       | 2.86623                | 3.12                   | 2.86623  | 3.12 |  |  |
| Pu-242              | (New alg.)            |           |          | 1.0971                | (13)      | 3.14442                | (13)                   | 3.14442  | (13) |  |  |
| Am-241              | 0.066822              | 4.9       | 0.8      | 1.5288                | 1.5       | 4.38188                | 3.33                   | 4.38188  | 3.33 |  |  |

Pu-240 effective (meas. date) = 35.367 +/- 4.67%  
 Approx. U/Pu ratio by fluorescence x-rays equals 3.14 +/- 7.88%  
 Pu x-ray fluorescence intensity equals 1.5609E+008 +/- 6.5%  
 Am-241 separated about 19.203 +/- 0.322 years ago  
 Am/Pu-241 weight ratio = 1.52880 +/- 1.51%

Messages :  
 Pu-241/Pu-239 efficiency changed in MGACAL by 3%.

Notes : \* = Error in ratio  
 Errors quoted at 1.000 sigma  
 MGA sigma defaulted to 1

(1)

HRGS\_サンプルA\_2mm.txt

\*\*\*\*\*  
 \*\*\*\*\* MGA REPORT \*\*\*\*\*  
 \*\*\*\*\*

Report generated on: 11/26/19 11:15:02 AM  
 MGA version: MGA V9.63F CI  
 Spectrum ID: HRGSD\_MD Sens: 30.0% LT: 15.0 Mins DT: 0.56  
 Measurement date: 11/26/19 Declared date:  
 Sample ID: A 2mm Detector: HRGSD Total counts: 3.387E+005  
 Operator:  
 Pu g/cm2 = 0.9093 Cd g/cm2 = 1.7199 FWHM at 122 keV = 525 eV  
 QFIT = 1.00 FWHM at 208 keV = 646 eV  
 NQFIT = 1.00

| Isotope analysis at |                       |           |          |                       |           |                        |                        |          |      |  |  |
|---------------------|-----------------------|-----------|----------|-----------------------|-----------|------------------------|------------------------|----------|------|--|--|
| Isotope             | Relative<br>to Pu-239 | %*<br>Err | %<br>Err | Relative<br>to Pu-241 | %*<br>Err | Meas. date<br>% weight | Decl. date<br>% weight | %Err     |      |  |  |
| Pu-238              | 0.017292              | 5.0       | 1.6      | 0.3758                | 2.1       | 1.12401                | 3.50                   | 1.12401  | 3.50 |  |  |
| Pu-239              | 1.000000              | 0.0       | 4.8      | 21.7348               | 5.0       | 65.00101               | 1.88                   | 65.00101 | 1.88 |  |  |
| Pu-240              | 0.424871              | 5.6       | 3.0      | 9.2345                | 3.2       | 27.61703               | 3.76                   | 27.61703 | 3.76 |  |  |
| Pu-241              | 0.046009              | 4.6       | 1.3      | 1.0000                | 0.0       | 2.99065                | 3.14                   | 2.99065  | 3.14 |  |  |
| Pu-242              | (New alg.)            |           |          | 1.0925                | (13)      | 3.26732                | (13)                   | 3.26732  | (13) |  |  |
| Am-241              | 0.067748              | 4.9       | 0.8      | 1.4725                | 1.5       | 4.40368                | 3.35                   | 4.40368  | 3.35 |  |  |

Pu-240 effective (meas. date) = 35.939 +/- 4.69%  
 Approx. U/Pu ratio by fluorescence x-rays equals 2.79 +/- 8.41%  
 Pu x-ray fluorescence intensity equals 1.5952E+008 +/- 6.7%  
 Am-241 separated about 18.802 +/- 0.326 years ago  
 Am/Pu-241 weight ratio = 1.47248 +/- 1.52%

Messages :  
 Pu-241/Pu-239 efficiency changed in MGACAL by 2%.

Notes : \* = Error in ratio  
 Errors quoted at 1.000 sigma  
 MGA sigma defaulted to 1

(1)

HRGS\_サンプルB\_1mm.txt

\*\*\*\*\*  
 \*\*\*\*\* MGA REPORT \*\*\*\*\*  
 \*\*\*\*\*

Report generated on: 11/26/19 2:39:18 PM  
 MGA version: MGA V9.63F CI  
 Spectrum ID: HRGSD\_MD Sens: 30.0% LT: 15.0 Mins DT: 2.84  
 Measurement date: 11/26/19 Declared date:  
 Sample ID: B 1mm Detector: HRGSD Total counts: 1.693E+006  
 Operator:  
 Pu g/cm2 = 2.4869 Cd g/cm2 = 1.7866 FWHM at 122 keV = 532 eV  
 QFIT = 1.04 FWHM at 208 keV = 668 eV  
 NQFIT = 1.00

| Isotope analysis at |                       |           |          |                       |           |                        |                        |          |      |  |  |
|---------------------|-----------------------|-----------|----------|-----------------------|-----------|------------------------|------------------------|----------|------|--|--|
| Isotope             | Relative<br>to Pu-239 | %*<br>Err | %<br>Err | Relative<br>to Pu-241 | %*<br>Err | Meas. date<br>% weight | Decl. date<br>% weight | %Err     |      |  |  |
| Pu-238              | 0.017083              | 3.0       | 0.8      | 0.3772                | 1.1       | 1.11936                | 2.14                   | 1.11936  | 2.14 |  |  |
| Pu-239              | 1.000000              | 0.0       | 3.0      | 22.0784               | 3.1       | 65.52369               | 1.15                   | 65.52369 | 1.15 |  |  |
| Pu-240              | 0.414615              | 3.3       | 1.5      | 9.1540                | 1.6       | 27.16709               | 2.25                   | 27.16709 | 2.25 |  |  |
| Pu-241              | 0.045293              | 2.9       | 0.6      | 1.0000                | 0.0       | 2.96777                | 1.98                   | 2.96777  | 1.98 |  |  |
| Pu-242              | (New alg.)            |           |          | 1.0857                | (11)      | 3.22209                | (11)                   | 3.22209  | (11) |  |  |
| Am-241              | 0.068788              | 3.0       | 0.4      | 1.5187                | 0.8       | 4.50726                | 2.07                   | 4.50726  | 2.07 |  |  |

Pu-240 effective (meas. date) = 35.401 +/- 3.11%  
 Approx. U/Pu ratio by fluorescence x-rays equals 2.74 +/- 2.87%  
 Pu x-ray fluorescence intensity equals 2.4952E+008 +/- 2.2%  
 Am-241 separated about 19.169 +/- 0.178 years ago  
 Am/Pu-241 weight ratio = 1.51874 +/- 0.77%

Messages :

Notes : \* = Error in ratio  
 Errors quoted at 1.000 sigma  
 MGA sigma defaulted to 1

(1)

HRGS\_サンプルB\_2mm.txt

\*\*\*\*\*  
 \*\*\*\*\* MGA REPORT \*\*\*\*\*  
 \*\*\*\*\*

Report generated on: 11/26/19 2:19:50 PM  
 MGA version: MGA V9.63F CI  
 Spectrum ID: HRGSD\_MD Sens: 30.0% LT: 15.0 Mins DT: 2.84  
 Measurement date: 11/26/19 Declared date:  
 Sample ID: B 2mm Detector: HRGSD Total counts: 1.687E+006  
 Operator:  
 Pu g/cm2 = 2.4791 Cd g/cm2 = 1.7850 FWHM at 122 keV = 536 eV  
 QFIT = 1.15 FWHM at 208 keV = 664 eV  
 NQFIT = 1.01

| Isotope analysis at |                       |           |          |                       |           |                        |                        |          |      |  |  |
|---------------------|-----------------------|-----------|----------|-----------------------|-----------|------------------------|------------------------|----------|------|--|--|
| Isotope             | Relative<br>to Pu-239 | %*<br>Err | %<br>Err | Relative<br>to Pu-241 | %*<br>Err | Meas. date<br>% weight | Decl. date<br>% weight | %Err     |      |  |  |
| Pu-238              | 0.017437              | 3.3       | 0.9      | 0.3751                | 1.2       | 1.13001                | 2.28                   | 1.13001  | 2.28 |  |  |
| Pu-239              | 1.000000              | 0.0       | 3.2      | 21.5135               | 3.5       | 64.80534               | 1.26                   | 64.80534 | 1.26 |  |  |
| Pu-240              | 0.427398              | 3.5       | 1.6      | 9.1948                | 1.8       | 27.69767               | 2.39                   | 27.69767 | 2.39 |  |  |
| Pu-241              | 0.046482              | 3.1       | 0.7      | 1.0000                | 0.0       | 3.01231                | 2.11                   | 3.01231  | 2.11 |  |  |
| Pu-242              | (New alg.)            |           |          | 1.1137                | (11)      | 3.35468                | (11)                   | 3.35468  | (11) |  |  |
| Am-241              | 0.071190              | 3.2       | 0.4      | 1.5315                | 0.9       | 4.61349                | 2.21                   | 4.61349  | 2.21 |  |  |

Pu-240 effective (meas. date) = 36.181 +/- 3.28%  
 Approx. U/Pu ratio by fluorescence x-rays equals 2.95 +/- 3.06%  
 Pu x-ray fluorescence intensity equals 2.4623E+008 +/- 2.3%  
 Am-241 separated about 19.304 +/- 0.186 years ago  
 Am/Pu-241 weight ratio = 1.53155 +/- 0.81%

Messages :

Notes : \* = Error in ratio  
 Errors quoted at 1.000 sigma  
 MGA sigma defaulted to 1

(1)



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MGA REPORT
\*\*\*\*\*

Report generated on: 11/27/19 10:01:08 AM

MGA version: MGA V9.63F CI

Spectrum ID: HRGSD\_MD Sens: 30.0% LT: 15.0 Mins DT: 0.37
Measurement date: 11/27/19 Declared date:

Sample ID: C 1mm Detector: HRGSD Total counts: 2.085E+005

Operator:

Pu g/cm2 = 5.0000 Cd g/cm2 = 1.7523 FWHM at 122 keV = 520 eV
QFIT = 1.00 FWHM at 208 keV = 644 eV
NQFIT = 1.00

Isotope analysis at
Table with columns: Isotope, Relative to Pu-239, %\*, % Err, Relative to Pu-241, %\*, % Err, Meas. date, % weight, Decl. date, % weight, %Err

Pu-240 effective (meas. date) = 32.796 +/- 8.42%
Approx. U/Pu ratio by fluorescence x-rays equals 5.37 +/- 10.86%
Pu x-ray fluorescence intensity equals 1.5009E+008 +/- 9.8%
Am-241 separated about 27.549 +/- 0.405 years ago
Am/Pu-241 weight ratio = 2.76778 +/- 2.36%

Messages :

Notes : \* = Error in ratio
Errors quoted at 1.000 sigma
MGA sigma defaulted to 1

(1)

\*\*\*\*\*
MGA REPORT
\*\*\*\*\*

Report generated on: 11/27/19 10:21:56 AM

MGA version: MGA V9.63F CI

Spectrum ID: HRGSD\_MD Sens: 30.0% LT: 15.0 Mins DT: 0.38
Measurement date: 11/27/19 Declared date:

Sample ID: C 2mm Detector: HRGSD Total counts: 2.150E+005

Operator:

Pu g/cm2 = 2.0707 Cd g/cm2 = 1.7623 FWHM at 122 keV = 512 eV
QFIT = 1.05 FWHM at 208 keV = 633 eV
NQFIT = 1.00

Isotope analysis at
Table with columns: Isotope, Relative to Pu-239, %\*, % Err, Relative to Pu-241, %\*, % Err, Meas. date, % weight, Decl. date, % weight, %Err

Pu-240 effective (meas. date) = 34.674 +/- 7.84%
Approx. U/Pu ratio by fluorescence x-rays equals 4.64 +/- 10.01%
Pu x-ray fluorescence intensity equals 1.7658E+008 +/- 8.7%
Am-241 separated about 26.868 +/- 0.404 years ago
Am/Pu-241 weight ratio = 2.66123 +/- 2.30%

Messages :

Notes : \* = Error in ratio
Errors quoted at 1.000 sigma
MGA sigma defaulted to 1

(1)

\*\*\*\*\*
MGA REPORT
\*\*\*\*\*

Report generated on: 11/27/19 10:59:39 AM

MGA version: MGA V9.63F CI

Spectrum ID: HRGSD\_MD Sens: 30.0% LT: 15.0 Mins DT: 0.82
Measurement date: 11/27/19 Declared date:

Sample ID: D 1mm Detector: HRGSD Total counts: 4.636E+005

Operator:

Pu g/cm2 = 3.9605 Cd g/cm2 = 1.7948 FWHM at 122 keV = 499 eV
QFIT = 1.00 FWHM at 208 keV = 611 eV
NQFIT = 1.00

Isotope analysis at
Table with columns: Isotope, Relative to Pu-239, %\*, % Err, Relative to Pu-241, %\*, % Err, Meas. date, % weight, Decl. date, % weight, %Err

Pu-240 effective (meas. date) = 34.930 +/- 6.42%
Approx. U/Pu ratio by fluorescence x-rays equals 4.80 +/- 6.76%
Pu x-ray fluorescence intensity equals 1.9306E+008 +/- 6.0%
Am-241 separated about 27.501 +/- 0.298 years ago
Am/Pu-241 weight ratio = 2.74987 +/- 1.68%

Messages :

Pu-241/Pu-239 efficiency changed in MGACAL by 1%.

Notes : \* = Error in ratio
Errors quoted at 1.000 sigma
MGA sigma defaulted to 1

(1)

\*\*\*\*\*
MGA REPORT
\*\*\*\*\*

Report generated on: 11/27/19 11:24:49 AM

MGA version: MGA V9.63F CI

Spectrum ID: HRGSD\_MD Sens: 30.0% LT: 15.0 Mins DT: 0.89
Measurement date: 11/27/19 Declared date:

Sample ID: D 2mm Detector: HRGSD Total counts: 5.038E+005

Operator:

Pu g/cm2 = 5.0000 Cd g/cm2 = 1.7989 FWHM at 122 keV = 549 eV
QFIT = 1.00 FWHM at 208 keV = 687 eV
NQFIT = 1.00

Isotope analysis at
Table with columns: Isotope, Relative to Pu-239, %\*, % Err, Relative to Pu-241, %\*, % Err, Meas. date, % weight, Decl. date, % weight, %Err

Pu-240 effective (meas. date) = 33.321 +/- 5.85%
Approx. U/Pu ratio by fluorescence x-rays equals 5.37 +/- 6.98%
Pu x-ray fluorescence intensity equals 1.5405E+008 +/- 6.3%
Am-241 separated about 27.344 +/- 0.269 years ago
Am/Pu-241 weight ratio = 2.72017 +/- 1.48%

Messages :

Notes : \* = Error in ratio
Errors quoted at 1.000 sigma
MGA sigma defaulted to 1

(1)

## 【IPCA 性能確認試験】

### (1) 4.1 長期管理限界の妥当性確認

LA-UR-20-22554

**Annual IPCA2 Performance Report for JFY19**

*Prepared for:*

*Japan Atomic Energy Agency*

**Prepared by:**

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*March 2020*

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## Acronyms

|       |                                            |
|-------|--------------------------------------------|
| cps   | counts per second                          |
| HPGe  | High Purity Germanium                      |
| IPCA2 | Improved Plutonium Canister Assay System 2 |
| LANL  | Los Alamos National Laboratory             |
| MIC   | Multi-Instrument Collect                   |

## 1. Overview

This report summarizes the results of monthly control measurements of IPCA2 performed over the period of April 2019 through March 2020 and represents an annual performance overview for JFY19. Monthly measurements of Plutonium neutron detection efficiency, AmLi stability, Curium stability and HPGe gamma spectra of Plutonium standards were performed and analyzed, when nuclear materials were available. Note that there were a few periods when nuclear material use was restricted during the reporting period that affected some monthly measurements and they are reported in this document. All the results are shown with respect to the updated control bounds established based on JFY18 data. Current data (for JFY19) will be used to establish new control bounds for JFY20 and these new control bounds are summarized in Appendix A. This report also documents rotation of IPCA2 performed during JSGO/NMCC/JAEA visit in July 2019 as well as long-term horizontal test to evaluate effects of prolonged horizontal configuration on IPCA2 performance for shipping considerations. Based on Pu efficiency measurements, the performance of the IPCA2 during this reporting period was stable within 0.7% at 1  $\sigma$  level, which includes the performance before and after both IPCA2 rotations. Measurements were compared to room temperature and humidity and no dependence was observed. During September 2019 IPCA2 MIC was upgraded to MIC3 to fully support JSR15 and DSPEC50 capability and current report therefore represents the first MIC3 test in unattended mode for JSR15.

## 2. Plutonium Efficiency

### 2.1. Efficiency Monitoring

Plutonium efficiency measurements were performed between April 2019 and March 2020. The LANL Plutonium standard, FZC157 (823.6 neutrons  $s^{-1}$  emission rate), was used in all measurements. This source was placed in the IPCA2 for a duration of 1800 s during which 60 cycles of 30 s were used to calculate a Singles rate (in counts per second, cps). The Singles rate was divided by source activity to determine an efficiency as shown in Figure 1. Average efficiency corresponding to the JFY19 control period was calculated and corresponds to  $7.30 \pm 0.05$ . All measurements were within the control chart  $2\sigma$  bands, denoted with dotted lines in Figure 1. Note that there were several instances between April 2019 and March 2020 with restrictions on use of Plutonium-bearing materials. These windows correspond to periods of July-August, November-January and March 2020. Therefore, only limited number of control measurements using the Plutonium standard could be performed. The other sources (AmLi and Cm) were not affected by these restrictions and regular monthly measurements were performed as reported in Section 3 of this document. These measurements along with the performed Pu-efficiency measurements provide a good overview of the overall IPCA2 performance during the JFY19 reporting period and confirm its stability and reproducibility. In addition to these regular measurements, series of surrogate efficiency measurements was performed during July-August and November-January timeframe using  $^{252}\text{Cf}$  source. These results are reported in Section 8 and were performed to establish IPCA2 performance before and after rotations. Also these measurements confirm IPCA2 stable performance.

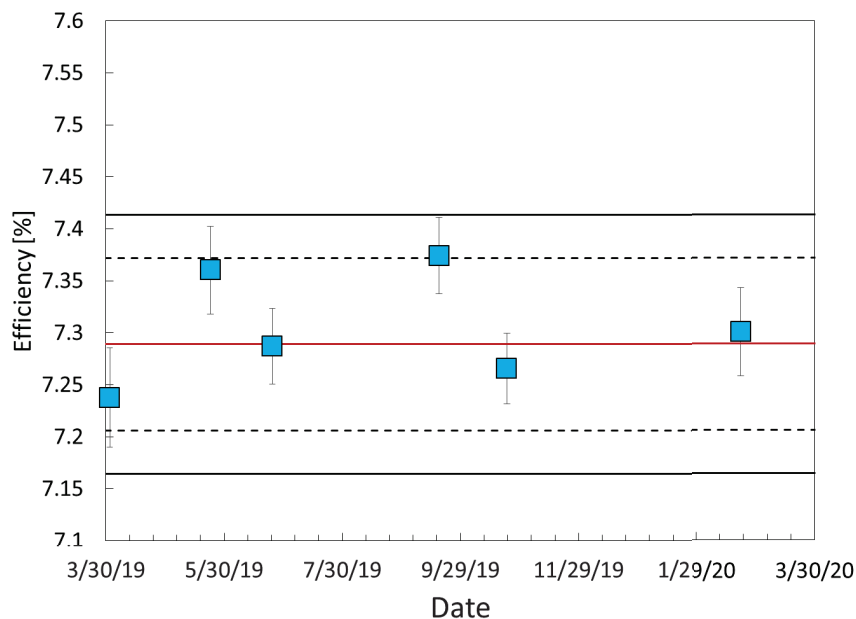


Figure 1: Pu efficiency measurements for JFY19.



Updated control bounds will be established based on the data shown in Figure 1 for use in JFY20 measurements. The updated control bounds are provided for reference in Appendix A. All the Pu efficiency measurements since May 2013 are summarized in Figure 2. Note that these measurements are plotted against the original control bounds established from 2013-2017 data in [1].

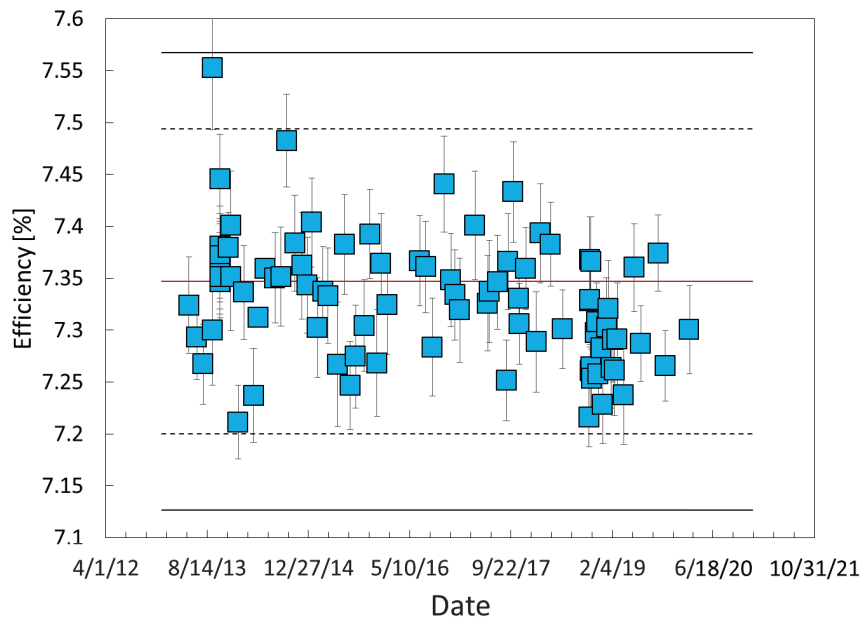


Figure 2: Pu efficiency measurements for May 2013 – March 2020.

## 2.1. Efficiency Dependence on Environmental Conditions

Room temperature and humidity data has been collected alongside IPCA2 measurements. JFY19 Plutonium efficiency measurements exhibit no dependence on humidity, Figure 3, or room temperature, Figure 4. Updated control bounds established from this JFY19 data and reported in Appendix A will be used for JFY20 control charts.

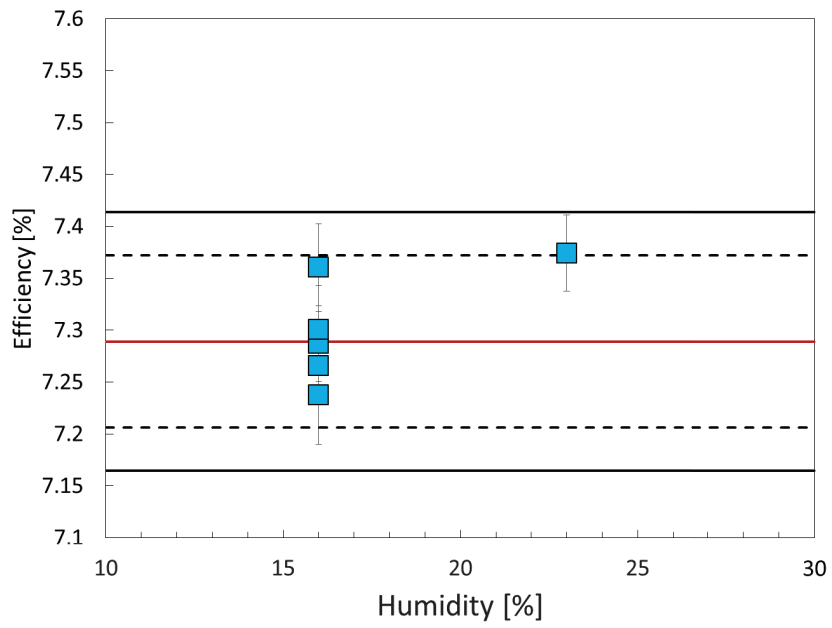


Figure 3: JFY19 Pu efficiency measurements as a function of humidity.

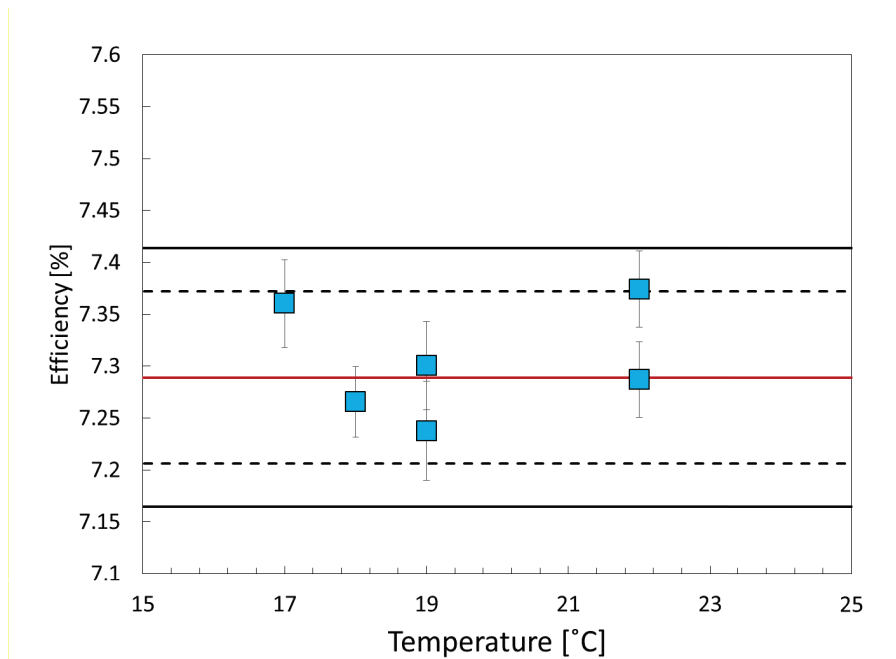


Figure 4: JFY19 Pu efficiency measurements as a function of room temperature.

### 3. AmLi Stability

#### 3.1. AmLi Stability Measurements

AmLi stability measurements performed between April 2019 and March 2020 are summarized in Figure 5, with an average (decay corrected) count rate of  $244504 \pm 56$ . Overview of all decay corrected AmLi stability data from May 2013 is shown in Figure 6 against the original control bounds established in [1]. Note that the decay correction on the AmLi data is with respect to 01/12/2017, when the original control bounds were established. Most results were within the  $3\sigma$  control lines, however a few results near or outside  $3\sigma$  were observed. As discussed in previous reports [e.g. 2], it is believed that source positioning and redistribution of contents of AmLi sources resulted in the observed variation of count rates. To mitigate this issue, we began to perform a Curium stability measurement in October 2018, to assess its feasibility as an alternative to AmLi; those measurements are described in the next section. No dependence of AmLi count rate on humidity or room temperature was observed, as shown in Figure 7 and Figure 8, respectively. New control bounds were established based on all JFY19 data for use in JFY20 control measurements and are reported in Appendix A.

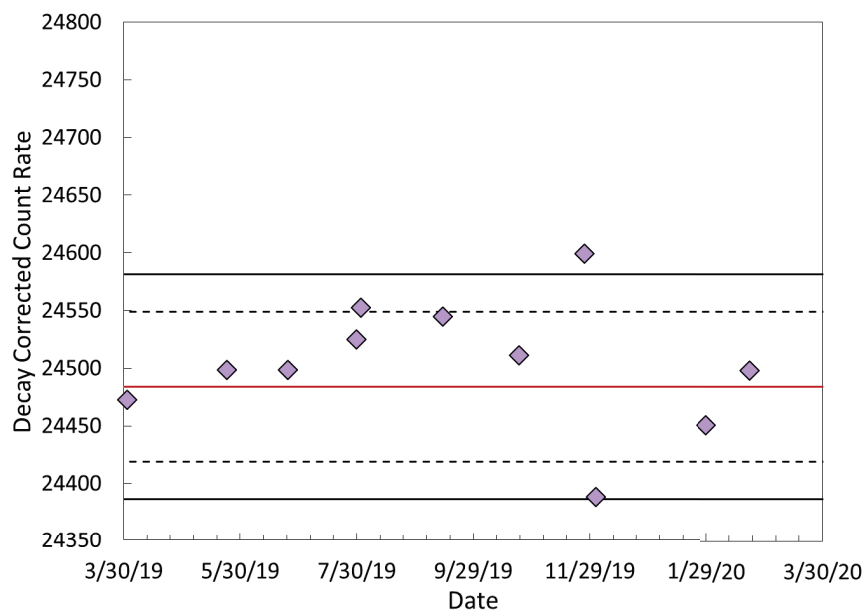


Figure 5: AmLi stability measurements for JFY19. Note that error bars are smaller than the size of symbols.

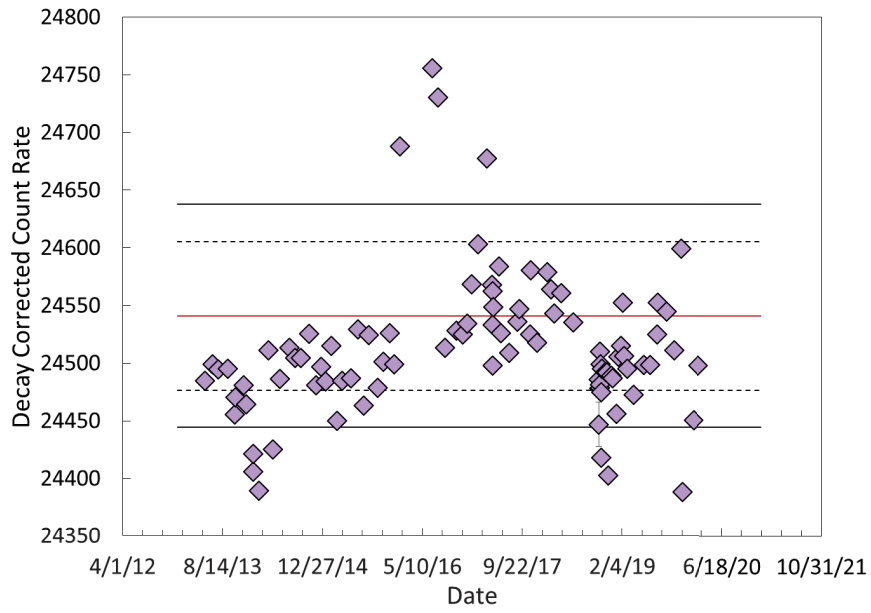


Figure 6: AmLi stability measurements from May 2013 – March 2020.

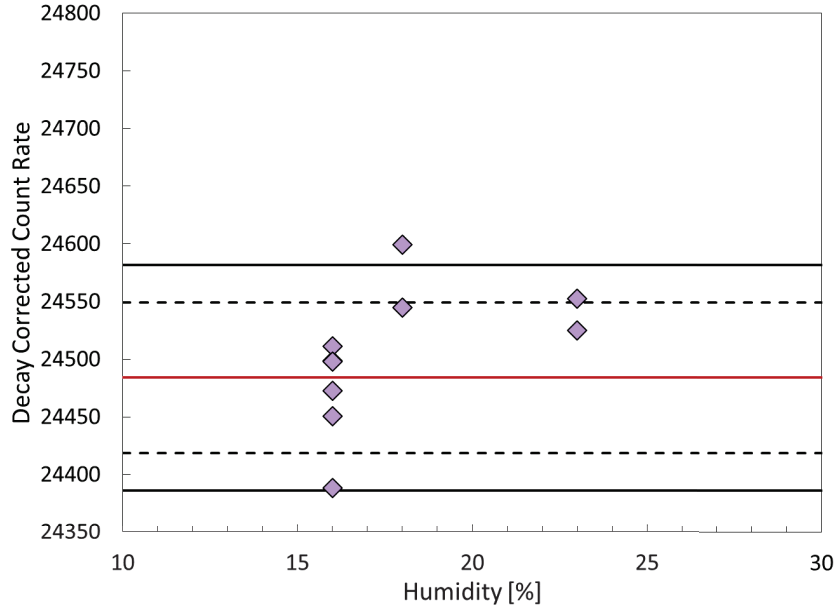


Figure 7: JFY19 AmLi stability measurements as a function of humidity.

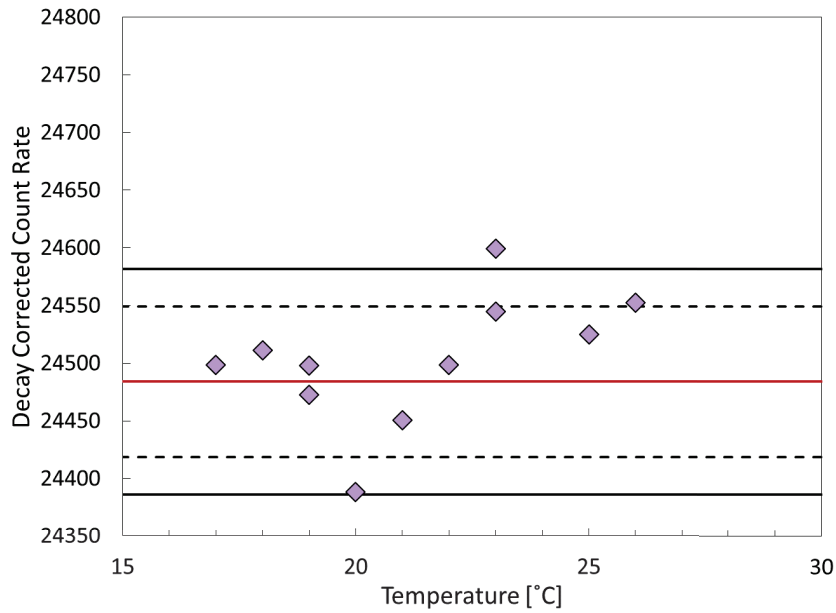


Figure 8: JFY19 AmLi stability measurements as a function of temperature.

#### 4. Curium Stability

In October 2018 LANL started to perform monthly measurements with a Curium source to evaluate its feasibility as a potential replacement for the AmLi stability measurements. The decay corrected (with respect to the first measurement on 10/15/2018) results of the Curium measurements performed over the JFY19 reporting period are summarized in Figure 9 and correspond to an average count rate of  $986.7 \pm 1.2$ . Results reported here were used to establish new control bounds for JFY20 provided in Appendix A. Note that the decay correction was updated in JFY19 to fully reflect the isotopic composition of the Curium source based on the source certificate and takes into account contributions from  $^{246}\text{Cm}$  as well as  $^{240}\text{Pu}$ . The average count rate for JFY18, reported in [2] changed to  $986.2 \pm 1.6$  using this updated decay correction.

Overview of all decay corrected Cm stability data from October 2018 is shown in Figure 10 against the original control bounds established in [1]. Curium stability was also evaluated as a function of humidity and temperature as shown in Figure 11 and Figure 12, respectively. No dependence on humidity and room temperature has been observed over the reporting period.

Based on the trends observed so far, Curium appears to be a viable alternative to AmLi sources.

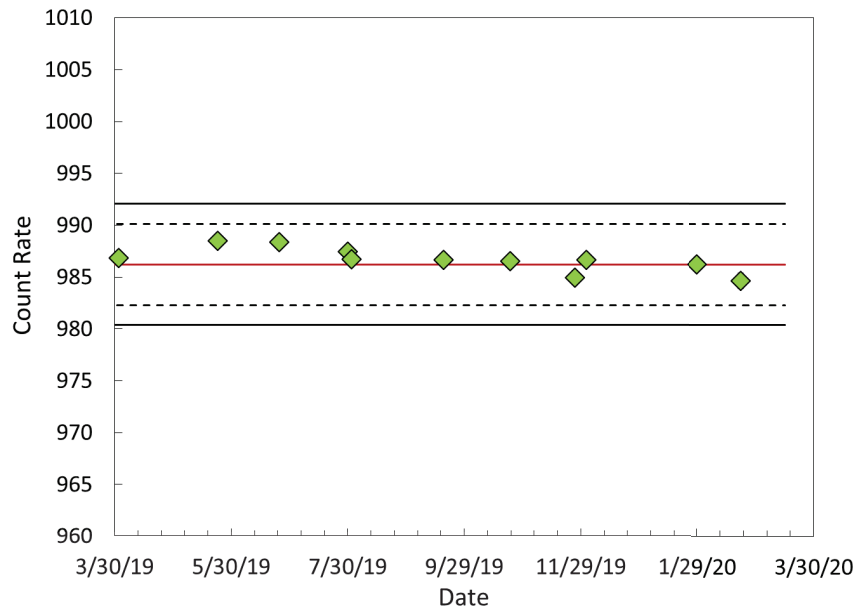


Figure 9: Curium count rates since for JFY19. Note that error bars are smaller than the size of symbols.

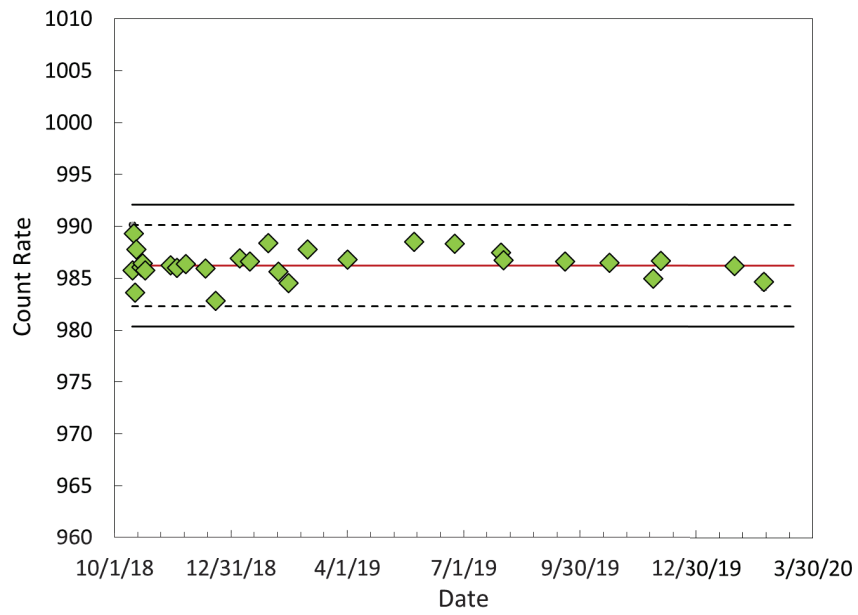


Figure 10: Curium stability measurements from October 2018 – March 2020.

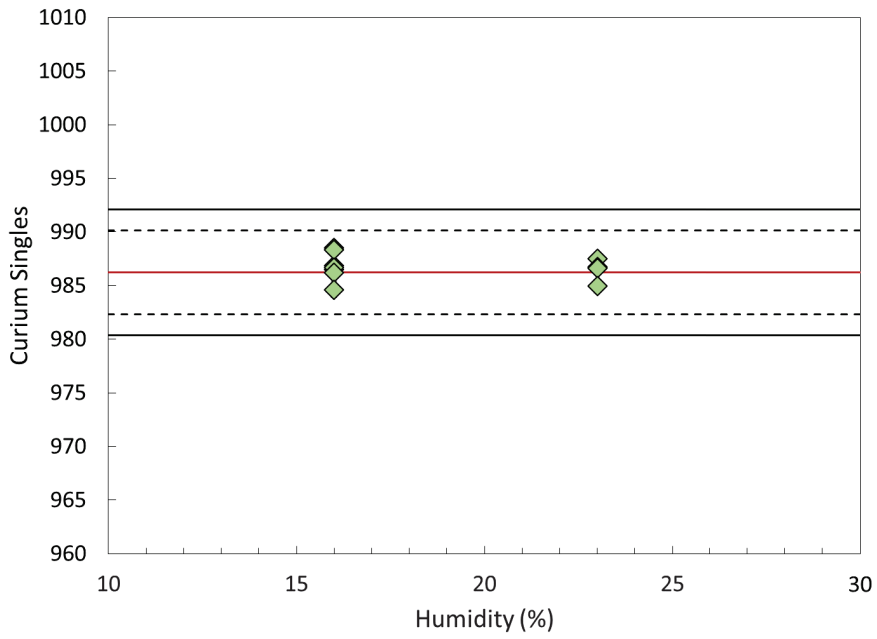


Figure 11: JFY19 Curium count rates as a function of humidity. Note that error bars are smaller than the size of symbols.

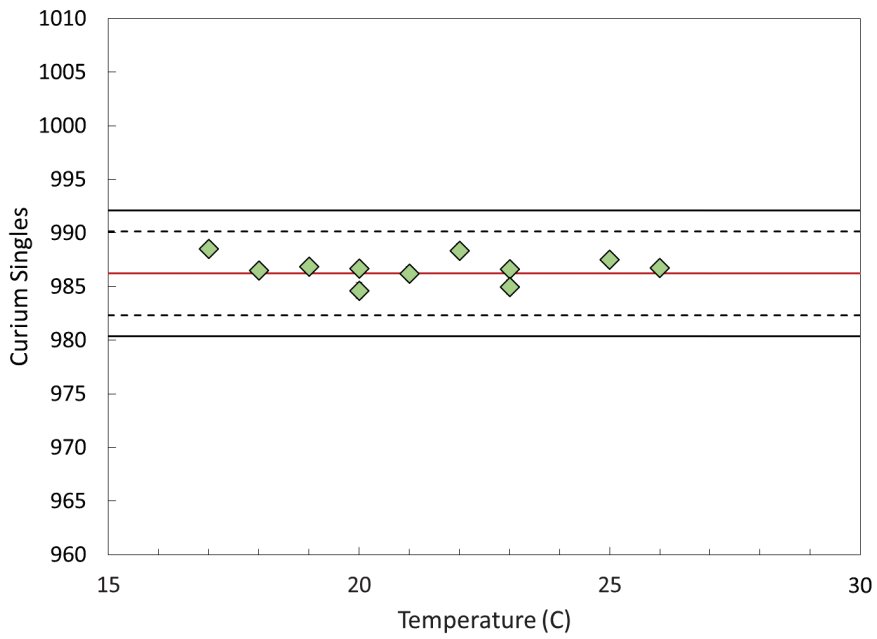


Figure 12: JFY19 Curium count rates as a function of room temperature. Note that error bars are smaller than the size of symbols.

## 5. HPGe System Performance

Based on updated contract, the frequency of HPGe system measurements was reduced to twice a year. Note that two additional measurements were performed during JFY19 to establish IPCA2 performance after rotation (see Section 8). The April 2019 through March 2020 measurements are summarized in Figures 14-19. No modifications to HPGe system hardware components were performed during JFY19 and the current configuration is shown in Figure 13 for reference.

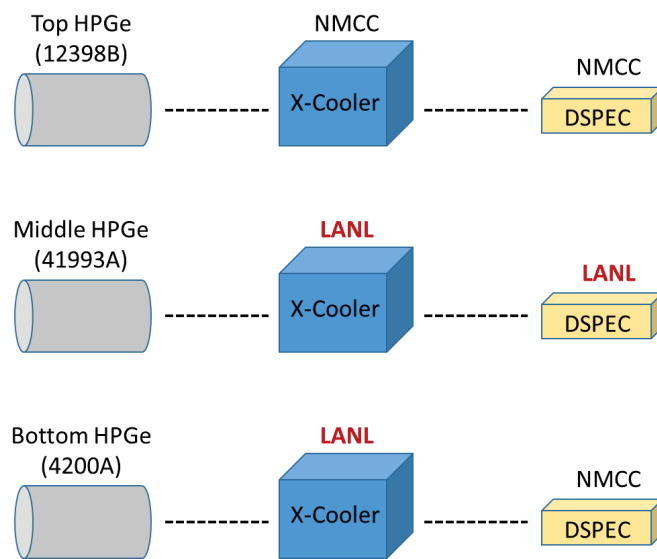


Figure 103: Configuration of IPCA2 HPGe system during JFY19.

### 5.1. Top HPGe Detector Performance Summary

The top detector (12698B) shows a good performance over the entire measurement period for the  $^{240}\text{Pu}/^{239}\text{Pu}$  and  $^{241}\text{Pu}/^{239}\text{Pu}$  ratios for the entire JFY19 reporting period (Figure 14 and 15, left). An overview of the top HPGe detector performance from May 2013 is shown in Figure 14, 15 (right).



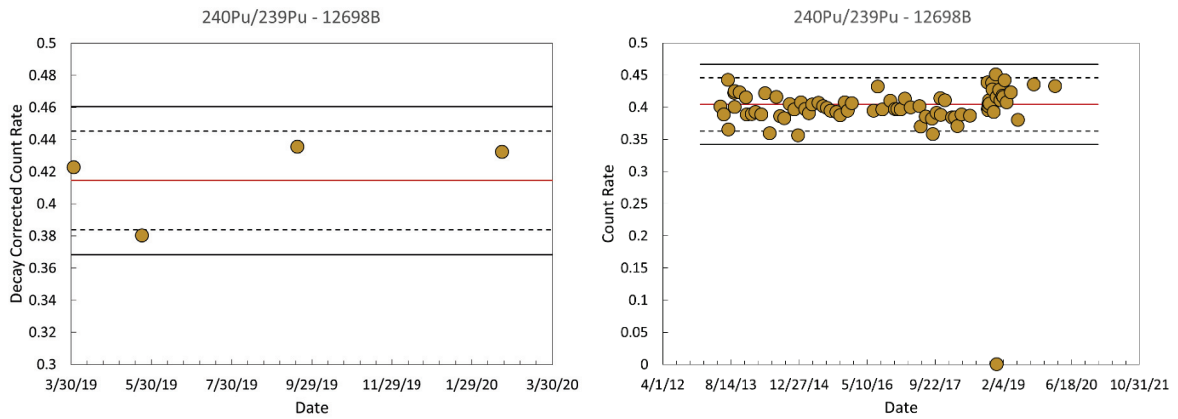


Figure 14:  $^{240}\text{Pu}/^{239}\text{Pu}$  isotopic ratios as determined by the top IPCA2 HPGe for JFY19 (left); for the entire measurement period (right).

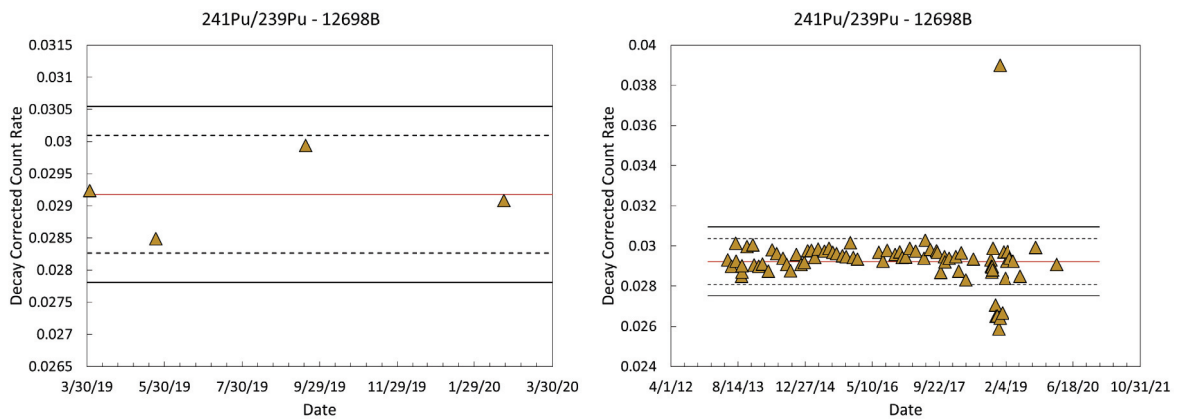


Figure 15:  $^{241}\text{Pu}/^{239}\text{Pu}$  isotopic ratios as determined by the top IPCA2 HPGe for JFY19 (left); for the entire measurement period (right).

## 5.2. Middle HPGe Detector Performance Summary

The middle HPGe detector (41933A) shows a good performance over the entire measurement period for the  $^{240}\text{Pu}/^{239}\text{Pu}$  and  $^{241}\text{Pu}/^{239}\text{Pu}$  ratios for the entire JFY19 reporting period (Figure 16 and 17, left). Note that the last two measurement on the middle HPGe detector had gain of 0.137 keV/ch as opposed to nominal 0.125 keV/ch. An overview of the middle HPGe detector performance from May 2013 is shown in Figure 16, 17 (right).

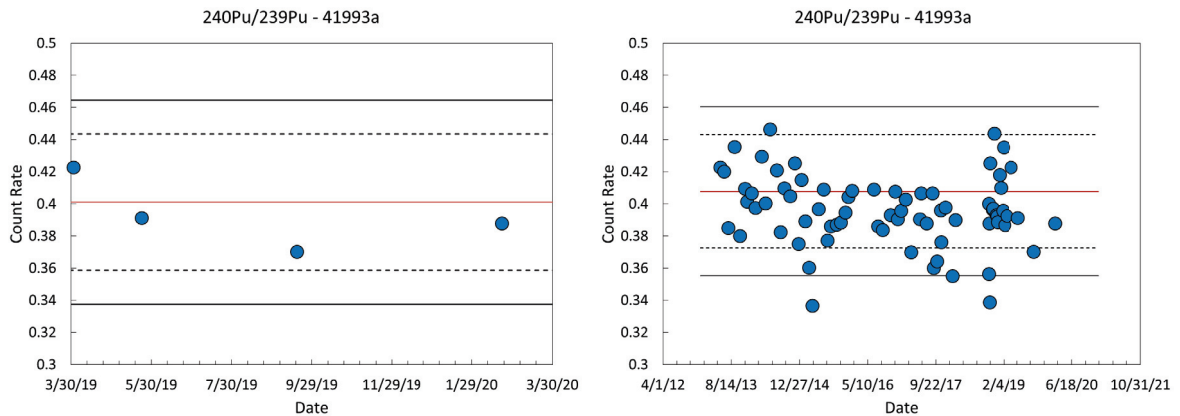


Figure 16:  $^{240}\text{Pu}/^{239}\text{Pu}$  isotopic ratios as determined by the middle IPCA2 HPGe for JFY19 (left); for the entire measurement period (right).

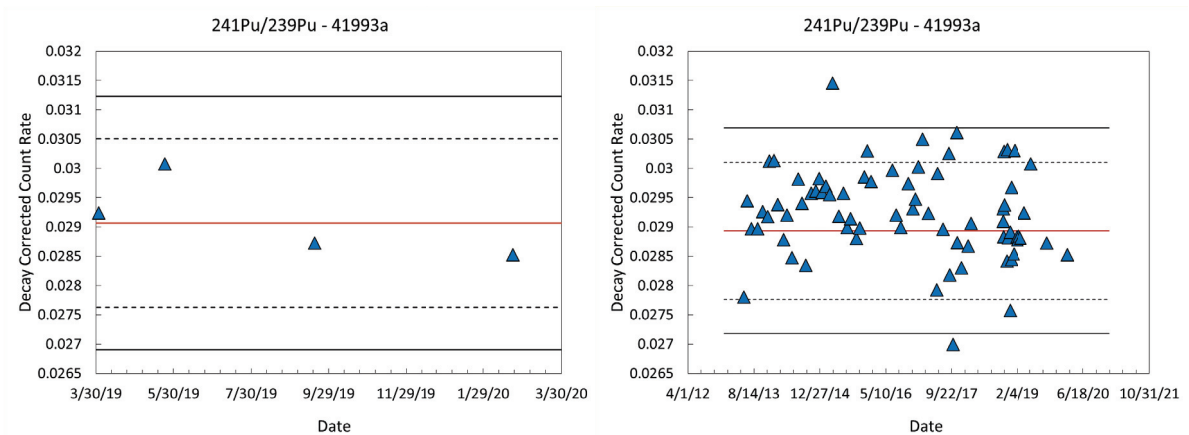


Figure 17:  $^{241}\text{Pu}/^{239}\text{Pu}$  isotopic ratios as determined by the middle IPCA2 HPGe for JFY19 (left); for the entire measurement period (right).

### 5.3. Bottom HPGe Detector Performance

The bottom HPGe detector (4200A) shows a good performance over the entire measurement period for the  $^{240}\text{Pu}/^{239}\text{Pu}$  and  $^{241}\text{Pu}/^{239}\text{Pu}$  ratios for the entire JFY19 reporting period (Figure 18 and 19, left). An overview of the bottom HPGe detector performance from May 2013 is shown in Figure 18, 19 (right). Note that original control bounds are used for bottom HPGe detector in all figures. Updated control bounds for JFY19 were not extracted from JFY18 data due to limited number of measurements available in JFY18 [2].

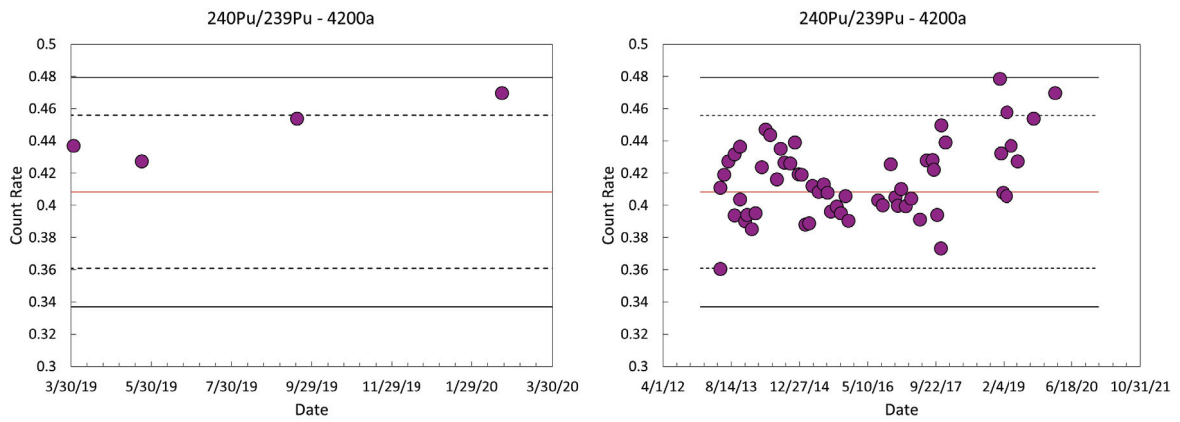


Figure 18:  $^{240}\text{Pu}/^{239}\text{Pu}$  isotopic ratios as determined by the bottom IPCA2 HPGe for JFY19 (left); for the entire measurement period (right).

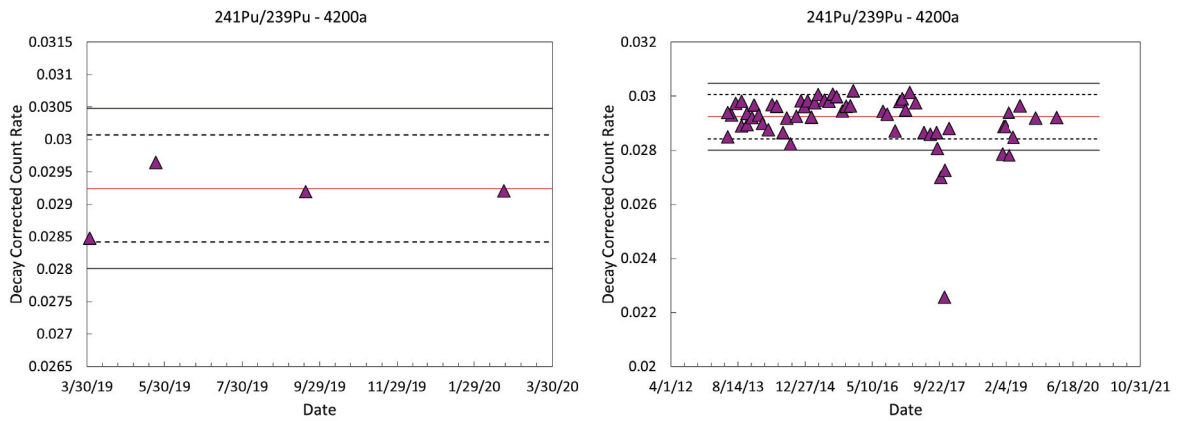


Figure 19:  $^{241}\text{Pu}/^{239}\text{Pu}$  isotopic ratios as determined by the bottom IPCA2 HPGe for JFY19 (left); for the entire measurement period (right).

## 6. Load Cell Data

Regular load cell measurements were performed during April 2019 - March 2020 period. Each of these measurements resulted in a consistent weight of 22.69 kg.

## 7. Continuous Background Monitoring

As part of the contractual agreement, continuous neutron system background was acquired for IPCA2 during April 2019 through March 2020. The measurements were performed using MIC software and analyzed with RadReview. During September 2019 IPCA2 MIC2 was upgraded to MIC3 to fully support JSR15 and DSPEC50 capability and current report therefore represents the first MIC3 test in unattended mode for JSR15.

Singles count rates over the reporting period are shown in Figure 20 for April 2019 - July 2019 (top), July - November (middle) and September 2019 - March 2020 (bottom). The middle plot in Figure 20 shows the transition from MIC2 to MIC3. It can be seen that the data decoding for JSR15 by MIC2 was corrected in MIC3. Note that MIC2 recorded Singles were factor of 10 off for JSR15, which was mitigated in MIC3. MIC3 is not compatible with Windows XP installed on the IPCA2 computer and had to be installed on a separate LANL-owned Windows 10 laptop computer. Due to the default 'sleep' system power settings on the laptop, the MIC3 collection was occasionally interrupted during January – March timeframe. The triangular spikes in the bottom plot in Figure 20 correspond to these periods. The sleep settings have since been updated and such gaps should no longer be present during JFY20 measurements. The extended period of high counts in the middle plot corresponds to long-term AmLi measurement. Overall the Singles background exhibits regular variation between approximately 25 – 32 counts per second, which can be attributed to variation in cosmic ray background. The irregular high count rate spikes and intervals seen in Singles background correspond to various measurements that are occasionally performed in the High Bay area, where IPCA2 is located. Note that the area is used as a test ground for other LANL developed instrumentation and experiments are routinely performed throughout the year.

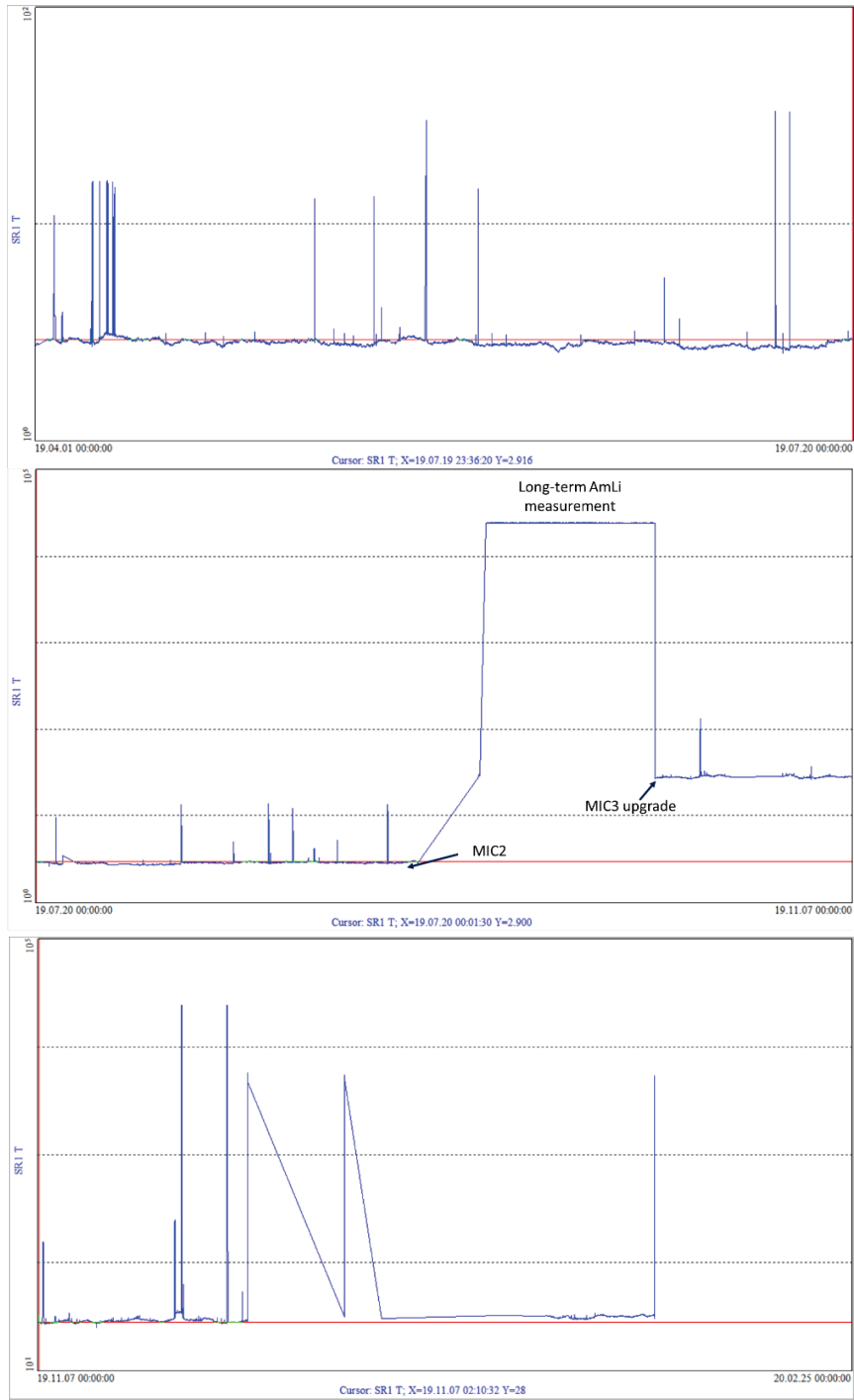


Figure 20: MIC recorded IPCA2 neutron background Singles over November 2018 through March 2019 period.

## 8. IPCA2 Rotation

This section provides a summary of IPCA2 performance during two rotations performed in JFY19. The first rotation was a demonstration during the JSGO/NMCC/JAEA visit in July 2019. The second represented a test of effects of long-term horizontal configuration on IPCA2 performance. The latter test was requested by JSGO/NMCC during the July 2019 visit in order to help assess effects of shipping IPCA2 in horizontal configuration on its performance. Unfortunately, both of the IPCA2 rotations occurred during the timeframe when use of Plutonium materials was restricted. The neutron system performance was therefore evaluated using a surrogate  $^{252}\text{Cf}$  source.

### 8.1. Rotation Demonstration

Rotation demonstration was performed in July 2019 and was preceded by series of  $^{252}\text{Cf}$  measurements to establish IPCA2 reference performance and control bounds for comparison after the rotation. Figure 21 summarizes the decay corrected  $^{252}\text{Cf}$  surrogate measurements before and after the rotation demonstration. As can be seen, the IPCA2 performance was unchanged as was also subsequently confirmed in the next Plutonium efficiency measurement performed in September 2019 (see Figure 1).

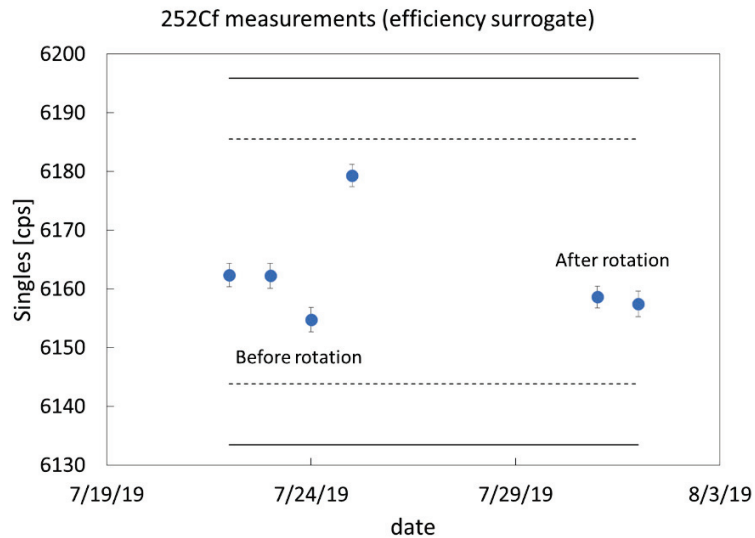


Figure 21: IPCA2 neutron system performance before and after July 2019 rotation demonstration.

### 8.2. Long-term Horizontal Configuration Test

During December 2019 a long-term horizontal test was performed, when IPCA2 was rotated and remained in horizontal configuration for approximately 1 month, between December 18 and January 29. During this test, the HPGe system as well as load cell were removed. The neutron

detectors remained operational, with the exception of December 23 – January 8, when the full system was powered down for winter break. After the rotation on January 29, the  $^{252}\text{Cf}$  surrogate measurements were performed to establish neutron system performance. Figure 22 shows the summary of all  $^{252}\text{Cf}$  surrogate measurements performed since July and include the measurement on December 5 immediately before the horizontal test and several measurements in January and February after the horizontal test was completed. The results of this test confirm that IPCA2 performance was not affected by long-term horizontal configuration, which is further supported by the Plutonium efficiency measurements performed in February (Figure 1) as well as by the monthly AmLi and Cm stability measurements (Figures 5 and 9). Note that one of  $^{252}\text{Cf}$  surrogate measurements in Figure 22 resulted in count rate just on the borderline of  $3\sigma$ , which was likely due to  $^{252}\text{Cf}$  source positioning and was not observed in the subsequent measurements.

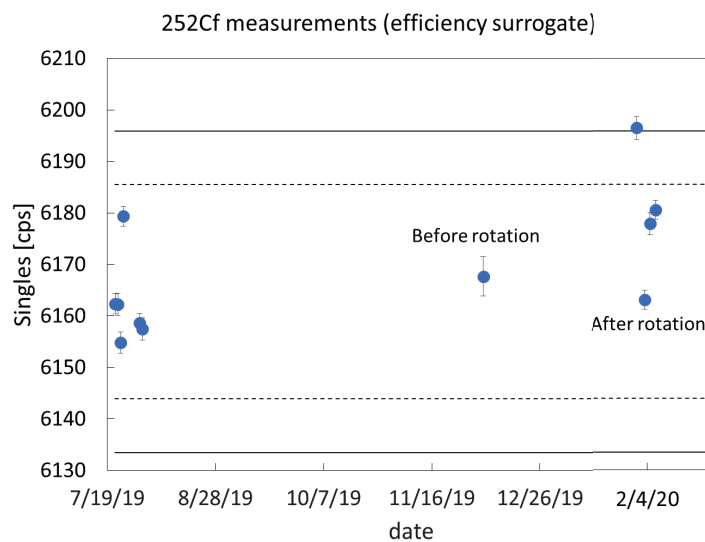


Figure 22: IPCA2 neutron system performance before and after long-term horizontal test.

## 9. Summary

Table 1 provides an overview of all the control measurements performed over the reporting period (April 2019 – March 2020). During the period of July-August, November-January and March 2020, the use of Plutonium containing materials was restricted, which prevented monthly Plutonium efficiency measurements during this period. As reported in this document,  $^{252}\text{Cf}$  surrogate measurements were performed instead, along with regular AmLi and Cm stability measurements to provide assurance on continuing stable IPCA2 performance.

Table 1: The number of measurements taken monthly organized by type.

| Month          | Pu Eff | AmLi | Cm  | 12698B (Top) | 41993A (Middle) | 4200A (Bottom) | Load Cell |
|----------------|--------|------|-----|--------------|-----------------|----------------|-----------|
| April 2019     | 1      | 1    | 1   | 1            | 1               | 1              | 1         |
| May 2019       | 1      | 1    | 1   | 1            | 1               | 1              | 1         |
| June 2019      | 1      | 1    | 1   | 0            | 0               | 0              | 1         |
| July 2019      | 0      | 1    | 1   | 0            | 0               | 0              | 1         |
| August 2019    | 0      | 1    | 1   | 0            | 0               | 0              | 1         |
| September 2019 | 1      | 1    | 1   | 1            | 1               | 1              | 1         |
| October 2019   | 1      | 1    | 1   | 0            | 0               | 0              | 1         |
| November 2019  | 0      | 1    | 1   | 0            | 0               | 0              | 1         |
| December 2019  | 0      | 1    | 1   | 0            | 0               | 0              | 1         |
| January 2020   | 0      | 1    | 1   | 0            | 0               | 0              | 1         |
| February 2020  | 1      | 1    | 1   | 1            | 1               | 1              | 1         |
| March 2020     | 0      | TBI  | TBI | 0            | 0               | 0              | TBI       |
| Total          | 6      | 11   | 11  | 4            | 4               | 4              | 11        |

\*TBI = to be included. Note that these measurements were performed, but are yet to be included in the final report.

Results of the control measurements confirmed stability of Plutonium efficiency, which stayed within  $2\sigma$  of the overall average value of 7.29 % established from JFY18 data in reference [2]. No dependence on environmental conditions (temperature, humidity) was observed. The average efficiency of these measurements (performed between April 2019 and March 2020) corresponds to  $7.30 \pm 0.05$ . Updated control bounds were established based on this dataset (see Appendix A).

The AmLi stability measurements over the reporting period showed good performance, typically within  $3\sigma$  of the overall average value established in reference [2]. No dependence on environmental conditions (temperature, humidity) was observed. The average count rate (decay corrected count with respect to 01/12/2017) for measurements performed between April 2019 and March 2020 corresponds to  $24504 \pm 55$ . Updated control bounds were established based on the JFY19 data and are reported in Appendix A.

Curium source measurements were performed to evaluate its feasibility as a potential replacement for the AmLi source to mitigate issues observed in AmLi measurements [1] due to redistribution of source material and positioning. The average count rate (decay corrected with respect to the first measurement on 10/15/2018) for measurements performed between April 2019 and March 2020 corresponds to  $986.7 \pm 1.2$ . No dependence on environmental conditions (temperature, humidity) was observed. Results were used to establish new control bounds as documented in Appendix A. Based on the trends observed so far, Curium appears to be a viable alternative to AmLi sources. Both sources will continue to be used during JFY20 control measurements.

HPGe system monitoring revealed consistent performance of all three detectors within the  $3\sigma$  of expected performance. The middle detector exhibited a slight gain change during the last two measurements with 0.137 keV/ch as opposed to nominal 0.125 keV/ch. Due to the reduced number



of measurements the control bounds for all the HPGe detectors will remain unchanged and, if needed in the future, will be updated based on a larger set of aggregate data.

Two IPCA2 rotations were performed during the JFY19 reporting period with one focusing on long-term horizontal configuration impact on IPCA2 performance. Neutron and gamma measurements before and after the rotations confirmed unchanged IPCA2 performance. The long-term horizontal test and the fact that it confirmed no impact on IPCA2 performance represents an important assurance of IPCA2 functionality and robustness for future shipping considerations.

Software upgrade was performed during the JFY19 reporting period by upgrading MIC2 to MIC3 to support JSR15 read-out as well as DSPEC50 (note that IPCA2 currently uses DSPEC Plus). Initial test of MIC3 with JSR15 was performed between September 2019 and March 2020. However, the measurements were impacted by default power saving settings of the Windows 10 laptop used for MIC3 (note that MIC3 is not supported on Windows XP system). These settings resulted in gaps due to default computer sleep mode and will be removed for JFY20 measurements.

In summary, the neutron as well as gamma system performance exhibits expected trends and measurements will continue on monthly basis in JFY20 as permitted by the contract amendment approval process.

## 10. References

- [1] M.T. Andrews, M.T. Swinhoe, J. Archuleta, D. Henzlova, A. Favalli, J.B. Marlow, “IPCA 2 Data Analysis and Updated Control Charts”, Los Alamos National Laboratory Technical Report, LA-CP-20366 (2017).
- [2] D. Henzlova, J. Archuleta, M.T. Andrews, A. Favalli, J.B. Marlow, C.D. Rael, M.T. Swinhoe, “Annual IPCA2 Performance Report for JFY18”, Los Alamos National Laboratory Technical Report, LA-UR-19-24828 (2019).

## 11. Appendix A

This Appendix provides an overview of updated control bounds calculated from JFY19 data that will be used during JFY20 control measurements.

### 11.1. Updated AmLi control bounds from JFY19 data

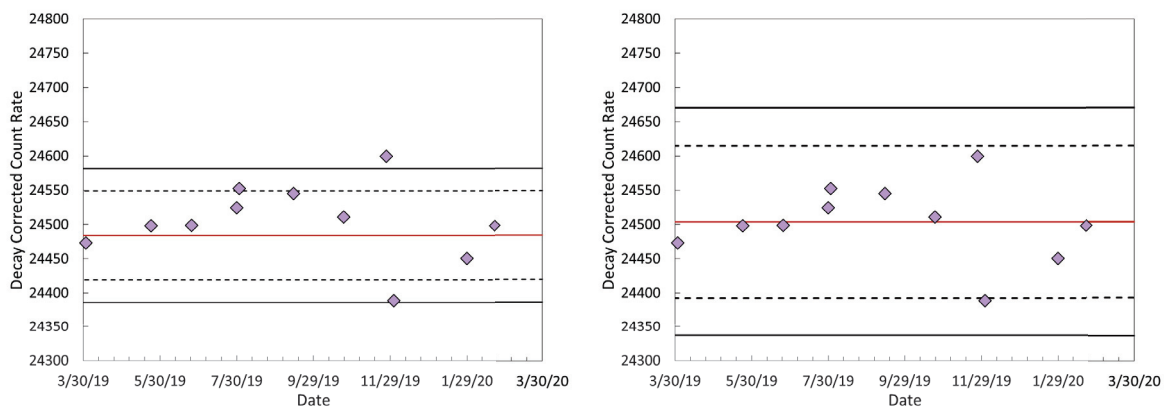


Figure 23: AmLi stability control bounds; current (JFY18) [2] (left); updated based on JFY19 data (right).

### 11.2. Updated Cm control bounds from JFY19 data

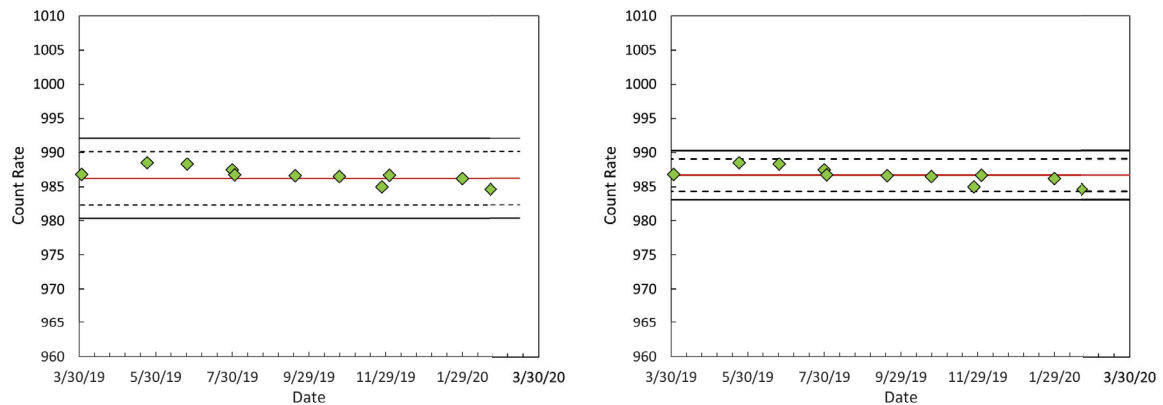


Figure 24: Cm stability control bounds; current (JFY18) [2] (left); updated based on JFY19 data (right).

Note that the wider control bounds extracted from JFY18 data in [2] were partially caused by an incomplete decay correction, which did not include contributions from  $^{246}\text{Cm}$  and  $^{240}\text{Pu}$  present in the source material. Current report uses updated decay correction, which resulted in improved trend of Cm data.

### 11.3. Updated efficiency control bounds from JFY19 data

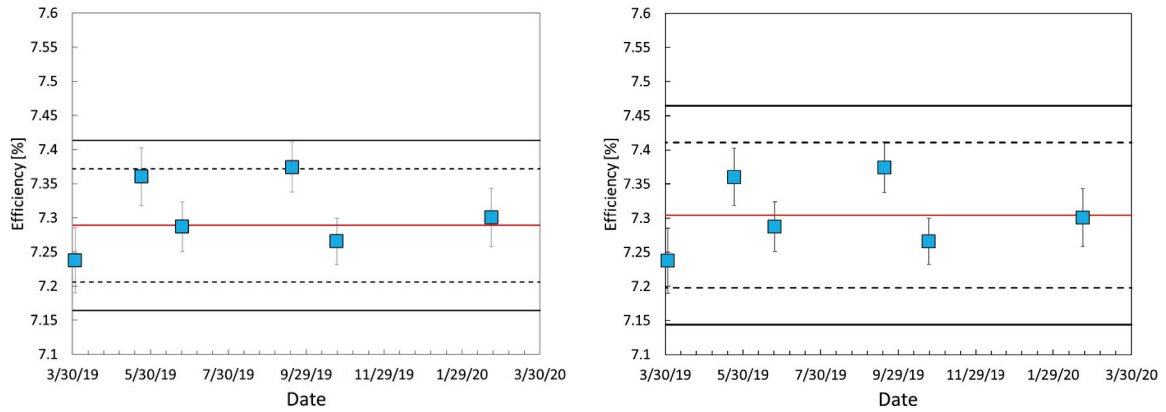


Figure25: FZC158 efficiency control bounds; current (JFY18) [2] (left); updated based on JFY19 data (right).

### 11.4. HPGe detector control bounds

Updated contract reduces frequency of HPGe control measurements to twice a year. Therefore, HPGe control bounds will be kept unchanged and control bounds extracted in [2] will be used in JFY20 measurements, due to the limited number of data points each year. Control bounds may be updated in the future based on a larger set of aggregate data, if needed.