

NEUTRON CAPTURE GAMMA RAYS OF 75 ELEMENTS  
LISTED IN TERMS OF INCREASING GAMMA-RAY ENERGY

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MITNE-105

Prepared For

U.S. Department of the Interior  
Bureau of Mines  
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## I. Introduction

A compilation of the energies and intensities of the gamma rays resulting from thermal neutron capture in 75 elements was recently published by our group (1). The experimental facility and gamma detection techniques have already been described in the literature (2,3). Detailed information on the methods of data accumulation and data analysis associated with this compilation may be found in references (4,5). The 17 elements not included in this compilation are noble gases and radioactive elements which could not be made into suitable targets.

As an aid to elemental analysis and to the resolution of interference effects, the authors present in this report a list of all the energies of the  $\gamma$  rays and their intensities ordered in terms of increasing gamma-ray energy. A summary table which includes a maximum of 12 of the most intense gamma rays of each element is also presented; four of these gamma rays have energies below 2000 keV and the other eight have energies above this value. This condensed table is listed first for convenience.

The gamma-ray intensities reported in reference (1) are in units of photons per 100 neutron captures. In this report these have been expressed in terms of number of photons emitted per gram of element of natural composition per incident thermal neutron/cm<sup>2</sup>. The two sets of units are related by the equation

$$I = \frac{0.6023 \sigma}{100 A} i ,$$

where  $I$  and  $i$  are the intensities in photons/gm neutron/cm<sup>2</sup> and photons per 100 neutron captures, respectively,  $\sigma$  is the thermal neutron capture cross section in barns, and  $A$  the atomic weight of the element.

In this set of units the intensities may be thought of as an index of the relative analytical sensitivity of the elements. In addition, interference effects may be resolved with less effort since the relative significance (or contribution) of gamma rays originating from different elements in a given sample may be evaluated directly using these intensities. The equations needed for such an analysis are given below.

Consider a sample irradiated for a time  $t$  (seconds) by a thermal neutron flux  $\phi$  (neutrons/cm<sup>2</sup>sec) in a gamma detection facility characterized by a fractional solid angle ( $\Omega/4\pi$ ) and an energy dependent efficiency  $\epsilon(E)$ . Suppose next that one of the sample constituents of weight  $m$  (grams) emits upon neutron capture a number of gamma rays, one of which has an energy  $E$  (keV) and an intensity  $I$ . If this gamma ray is sufficiently intense, there will appear in the spectrum at energy  $E$  a photopeak whose count content will be

$$C = m \phi \frac{\Omega}{4\pi} \epsilon(E) I .$$

If another sample constituent has also a characteristic gamma ray of the same energy  $E$ , the relative contribution of these two elements (1 and 2) to the total counts recorded in the said photopeak is

$$\frac{C_1}{C_2} = \frac{m_1 I_1}{m_2 I_2} .$$

This may be evaluated directly using the data presented in this report. As noted in reference (1), the number of significant figures in the intensities listed is due to the way the computer printed out the result. We feel that the accuracy of the intensity is  $\pm 15\%$  for strong peaks and, of course, worse for weaker peaks. The symbol D appearing next to the energy values in a number of cases indicates that the gamma rays in question are decay gamma rays. The symbol E used throughout these tables represents the value of the exponent on base 10; thus  $0.123E\ 02 = 12.3$  and  $0.123E-02 = 0.00123$ .

These ordered lists have been used in an investigation aimed at evaluating the potential of using capture gamma rays as an analytical tool in elemental analysis (6). In that study the emphasis was on the development of general equations which can be used to predict the sensitivity of prompt capture  $\gamma$ -ray analysis for any element in a given sample.

The authors wish to acknowledge the help of Mrs. B. R. Hites and Miss D. Dutton in preparing the multilith copies for this report. Part of this work was done under contract number H0180895 of the U.S. Bureau of Mines.

## II. References

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- (2) V. J. Orphan and N. C. Rasmussen, "A Ge(Li) Spectrometer for Studying Neutron Capture Gamma Rays", Nuclear Instruments and Methods, 48, 2 (1967).
- (3) V. J. Orphan and N. C. Rasmussen, "A Study of Thermal Neutron Capture Gamma Rays Using a Lithium-Drifted Germanium

Spectrometer", AFCRL-67-0104, January 1967 (MITNE-80).

(4) T. Inouye, T. Harper and N. C. Rasmussen, "The Application of Fourier Transforms to the Analysis of Spectral Data", Nuclear Instruments and Methods, 67, 1 January 1969.

(5) T. Harper, T. Inouye and N. C. Rasmussen, "GAMANL, A Computer Program Applying Fourier Transforms to the Analysis of Gamma Spectral Data

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TABLE I

Energies and Intensities of Twelve Intense Capture  
Gamma Rays of 75 Elements Listed in Terms of In-  
creasing Gamma-Ray Energy

ENERGY (KEV)	INTENSITY (P/G-N/CM2)	ELEMENT	ENERGY (KEV)	INTENSITY (P/G-N/CM2)*	ELEMENT
-----	-----	-----	-----	-----*	-----
178.4	0.40E-02	PR	283.1	0.17E-02	NI
185.7	0.67E 00	DY	283.1	0.90E-03	SB
187.3	0.45E-02	OS	285.2	0.68E-01	ER
191.0	0.29E-02	NB	289.1	0.38E-02	LA
193.5	0.12E-01	AU	290.4	0.66E-02	HO
196.9	0.34E-02	BR	291.1	0.11E-01	RE
199.5	0.12E 00	AG	291.4	0.31E-02	I
201.2	0.12E-02	W	295.6	0.51E-01	SC
203.2	0.14E-02	Y	295.6	0.20E-01	AG
205.2	0.24E-01	TM	297.6	0.41E-02	TA
208.0	0.93E 00	EU	299.2	0.50E-03	AS
209.8	0.15E-01	RE	308.0	0.62E-02	CS
212.5	0.88E-02	MN	314.3	0.52E-02	MN
214.0	0.20E 00	HF	315.9	0.27E-02	BR
215.7	0.30E-01	AU	317.6	0.84E-02	RE
217.4	0.93E-01	RH	325.8	0.22E-01	HF
217.4	0.12E 00	IR	326.1	0.12E-02	GE
219.6	0.45E-02	LA	326.7	0.11E-03	F
220.4	0.11E-01	TM	329.4	0.33E-03	AL
228.6	0.13E 00	SC	332.7	0.10E-02	SB
230.5	0.68E-01	CO	333.3	0.58E-02	PT
234.8	0.44E-02	CS	333.9	0.19E 02	SM
236.7	0.11E-02	AS	335.6	0.24E-01	IN
237.0	0.48E-01	AG	336.7	0.26E-02	I
237.5	0.32E-01	TM	339.5	0.14E-02	NI
239.6	0.12E-01	SE	341.7	0.23E-01	TI
240.3	0.10E-01	HO	341.9	0.82E-02	YB
241.8	0.25E-01	YB	348.6	0.31E-03	TL
245.7	0.27E-02	PD	351.8	0.57E-01	IR
246.1	0.75E-02	BR	352.5	0.31E-02	FE
246.9	0.15E-03	SI	356.1	0.10E-01	PT
248.2	0.17E-01	AU	361.4	0.13E-02	TA
248.7	0.39E-03	AL	367.5	0.14E-01	LU
250.5	0.14E-03	SI	367.8	0.92E 00	HG
250.9	0.23E-02	GA	374.6	0.12E 00	EU
251.2	0.12E-03	ZR	380.4	0.13E-01	AG
251.9	0.60E-04	SN	385.2	0.25E-02	CU
253.1	0.15E-03	N	390.0	0.88E-04	MG
255.1	0.14E-02	NB	393.7	0.16E-02	GA
255.4	0.18E-01	RE	402.9	0.11E-01	TA
258.1	0.94E-04	B	413.2	0.24E 00	DY
261.5	0.17E-01	AU	418.3	0.20E-01	IR
267.9	0.34E-01	RH	421.0	0.10E-02	I
269.4	0.11E-01	LU	423.2	0.27E-02	LA
271.1	0.20E-01	TA	426.3	0.72E-02	HO
273.3	0.73E-01	IN	436.6	0.41E-02	V
277.7	0.60E-01	CO	439.4	0.11E 02	SM
278.3	0.11E-01	CU	445.7	0.53E-03	ZN



ENERGY (KEV)	INTENSITY (P/G-N/CM2)	ELEMENT	ENERGY (KEV)	INTENSITY (P/G-N/CM2)	ELEMENT
-----	-----	-----	-----	-----	-----
454.5	0.12E-01	ND	645.8	0.75E-03	PR
455.2	0.74E-03	Y	645.9	0.70E-02	V
458.1	0.41E-01	LU	651.0	0.10E-02	GA
465.1	0.68E-02	NI	651.3	0.29E 01	CD
472.2	0.15E-02	AS	661.1	0.54E-01	HG
472.4	0.97E-02	NA	662.3	0.90E-03	CE
475.3	0.15E-02	RU	687.1	0.93E-03	RU
475.4	0.31E-02	YB	691.7	0.28E-02	GA
476.0	0.22E-03	RB	692.1	0.14E-02	FE
477.7	0.27E-01	B	696.7	0.13E 00	ND
478.3	0.33E-02	OS	699.8	0.70E-03	PR
497.5	0.13E-03	B	716.9	0.53E-02	PD
497.6	0.15E 00	DY	719.9	0.15E-02	MO
501.7	0.11E-03	B	722.2	0.12E-02	LA
518.3	0.62E-01	CL	726.9	0.14E-03	CA
520.0	0.38E-03	CA	730.6	0.43E-01	ER
520.6	0.33E-02	SE	737.0	0.24E-03	TL
538.4	0.24E 00	DY	737.5	0.22E 01	SM
539.8	0.23E-02	RU	749.2	0.35E-02	CR
543.2	0.65E-02	HO	762.0	0.11E-01	LU
551.5	0.22E-02	W	770.6	0.10E-01	K
556.2	0.45E-01	CO	772.7	0.86E-03	W
556.8	0.66E-03	RB	776.9	0.24E-02	Y
558.5	0.12E-02	SR	778.4	0.83E-02	MO
558.6	0.15E 02	CD	780.3	0.25E 01	GD
558.8	0.16E-03	LI	781.1	0.43E-03	NA
561.0	0.11E-03	ZR	789.7	0.12E-01	RH
565.5	0.98E-02	TM	806.0	0.99E 00	CD
569.3	0.25E-02	OS	814.5	0.19E-01	ND
574.6	0.98E-03	Y	816.1	0.19E 00	ER
585.2	0.33E-03	MG	818.7	0.51E-03	BA
596.0	0.70E-02	GE	819.3	0.29E-01	IN
596.2	0.28E-03	F	823.5	0.27E-02	V
596.6	0.59E-03	TB	835.1	0.86E-02	CR
596.8	0.14E-03	N	841.1	0.52E-02	S
602.9	0.37E-02	TE	849.0	0.30E-02	MO
608.9	0.29E-02	CU	850.4	0.11E-02	SR
613.9	0.12E-01	SE	853.5	0.16E-03	BE
614.2	0.59E-03	I	868.1	0.38E-02	GE
616.1	0.48E-02	PD	869.1	0.84E-04	LI
618.5	0.51E-01	ND	870.6	0.35E-02	NA
627.5	0.74E-03	BA	872.7	0.16E-03	RB
627.9	0.23E-01	SC	873.1	0.26E-03	TL
630.6	0.78E-03	RU	877.9	0.20E-02	NI
634.0	0.50E-02	OS	886.9	0.27E-02	SE
636.2	0.49E-03	P	891.5	0.77E-03	W
636.2	0.45E-02	YB	897.9	0.25E-02	SR
645.0	0.19E-01	RH	911.1	0.25E-03	TL

ENERGY (KEV)	INTENSITY (P/G-N/CM2)	ELEMENT	ENERGY (KEV)	INTENSITY (P/G-N/CM2)	ELEMENT
914.5	0.26E-01	ER	1570.3	0.44E-01	HG
921.1	0.38E-03	SB	1586.0	0.65E-02	TI
934.5	0.47E-03	ZR	1591.6	0.16E-01	IR
943.7	0.63E 01	GD	1597.8	0.11E-02	S
945.9	0.14E-03	NB	1613.0	0.16E-02	FE
961.8	0.46E 01	GD	1617.5	0.25E-02	K
980.7	0.91E-04	LI	1623.1	0.17E-03	AL
983.4	0.20E-03	AL	1634.4	0.12E-02	NA
1006.6	0.48E-03	PR	1658.6	0.50E-01	EU
1007.6	0.30E-03	ZN	1672.4	0.42E-03	CU
1030.8	0.20E-03	RB	1678.6	0.19E-03	N
1047.9	0.42E-02	PD	1689.0	0.66E-03	TB
1070.6	0.35E-03	P	1692.0	0.11E-01	SC
1077.5	0.22E-02	ZN	1693.3	0.96E-01	HG
1091.0	0.74E-03	MO	1724.0	0.14E-03	CA
1100.6	0.19E-02	GE	1724.5	0.11E-03	NB
1129.4	0.11E-03	MG	1724.8	0.23E-02	FE
1159.0	0.19E-02	K	1745.8	0.82E-03	TB
1165.4	0.61E-01	CL	1747.0	0.41E-02	MN
1169.7	0.10E 01	SM	1749.0	0.16E-03	F
1171.3	0.25E-03	SN	1752.8	0.15E-01	IN
1185.4	0.89E 01	GD	1761.6	0.60E-02	TI
1199.1	0.23E-02	BR	1777.8	0.32E-02	V
1206.4	0.17E-01	HF	1783.8	0.19E-02	CR
1228.9	0.14E-01	HF	1808.9	0.39E-03	MG
1229.5	0.22E-03	SN	1810.1	0.14E-03	CE
1245.9	0.27E-03	BA	1830.3	0.19E-01	CO
1261.2	0.50E-04	C	1835.9	0.76E-02	SR
1273.2	0.42E-03	SI	1883.5	0.78E-03	ZN
1293.3	0.41E-03	SN	1887.9	0.13E-02	N
1300.9	0.79E-02	CS	1887.9	0.25E-03	I
1332.2	0.39E-04	SI	1889.5	0.17E-03	F
1358.5	0.42E-03	S	1890.0	0.25E-03	P
1364.2	0.10E 01	CD	1890.2	0.60E-01	EU
1376.7	0.41E-02	CS	1890.5	0.68E-03	S
1381.4	0.50E-01	TI	1891.4	0.85E-04	LI
1388.3	0.14E-03	CA	1898.5	0.14E-02	CR
1402.0	0.32E-03	SB	1918.9	0.92E-03	TE
1404.7	0.11E-03	ZR	1942.5	0.34E-02	CA
1413.1	0.57E-03	P	1929.3	0.82E-03	K
1435.5	0.51E-03	BA	1951.3	0.12E 00	CL
1436.8	0.13E-03	CE	1957.5	0.85E-01	CL
1437.0	0.12E-02	TE	1978.7	0.49E-03	PT
1442.6	0.18E-02	TB	1979.7	0.41E-04	NB
1454.3	0.10E-03	CE	1987.6	0.34E-02	MN
1465.9	0.78E-03	AS	2002.1	0.85E-01	HG
1487.1	0.12E-02	TE	2004.4	0.10E-02	RE
1491.3	0.49E-03	PT	2013.0	0.28E-03	GE

ENERGY (KEV)	INTENSITY (P/G-N/CM2)	ELEMENT	ENERGY (KEV)	INTENSITY (P/G-N/CM2)	ELEMENT
-----	-----	-----	-----	-----	-----
2027.2	0.28E-02	NA	2330.9	0.46E-02	MN
2032.5	0.84E-03	LI	2332.0	0.40E-01	SM
2039.1	0.42E-03	TE	2337.4	0.26E-02	IN
2041.5	0.29E-04	CE	2341.6	0.38E-02	ER
2048.0	0.36E-01	EU	2371.5	0.25E-02	ND
2048.6	0.17E-02	AG	2379.7	0.31E-02	S
2056.2	0.16E-02	LU	2386.0	0.27E-03	TE
2064.9	0.23E-02	HF	2391.5	0.38E-03	SR
2067.4	0.30E-01	DY	2400.9	0.17E-03	MO
2067.8	0.37E-03	PT	2412.0	0.22E-01	EU
2072.7	0.30E-04	B	2425.9	0.13E-03	SI
2073.2	0.33E-02	K	2452.8	0.35E-04	F
2074.2	0.12E-03	SB	2454.2	0.65E-02	IR
2074.2	0.14E-02	CS	2455.8	0.88E 00	CD
2091.2	0.19E-02	LU	2457.5	0.46E-03	PD
2092.9	0.92E-03	SI	2458.8	0.48E-04	OS
2093.5	0.36E-01	EU	2468.5	0.29E-02	HF
2107.0	0.37E 00	GD	2469.6	0.41E-03	PT
2111.4	0.65E-02	SC	2484.3	0.47E-03	PD
2112.7	0.49E-04	SN	2517.6	0.24E-02	NA
2114.3	0.28E-03	P	2528.1	0.29E-04	F
2115.2	0.90E-03	TM	2530.4	0.13E-03	RU
2117.4	0.58E-04	LI	2532.3	0.20E-04	B
2118.3	0.83E-03	HO	2545.9	0.12E-02	K
2119.8	0.94E-01	SM	2546.6	0.20E-03	Y
2120.2	0.35E-03	TB	2550.1	0.31E 00	CD
2129.8	0.16E-03	CA	2585.0	0.14E-02	YB
2130.0	0.23E-04	RB	2589.9	0.93E-03	HO
2149.7	0.24E-04	RB	2589.9	0.15E-03	BE
2154.2	0.62E-03	P	2600.1	0.39E 00	GD
2159.7	0.29E-02	ER	2601.9	0.31E-04	F
2161.0	0.65E-01	SM	2610.5	0.60E-03	TE
2176.8	0.59E-04	RB	2635.6	0.98E-02	SC
2179.0	0.37E-04	SN	2639.4	0.11E-03	BA
2184.0	0.21E-03	LI	2639.9	0.48E-01	HG
2186.0	0.12E-03	BA	2651.7	0.18E-04	SN
2190.9	0.25E-04	ZR	2659.8	0.60E 00	CD
2196.9	0.50E-03	PD	2664.5	0.21E-03	MO
2223.3	0.20E 00	H	2668.7	0.38E-02	ER
2238.9	0.27E-02	CR	2678.7	0.46E 00	GD
2261.3	0.12E-03	OS	2682.8	0.27E-04	F
2272.3	0.37E-04	CE	2694.0	0.30E-04	ZR
2276.8	0.27E-03	SR	2697.5	0.45E-01	EU
2291.2	0.11E-02	K	2703.4	0.81E-01	DY
2298.3	0.82E-04	RU	2733.6	0.41E-01	DY
2311.4	0.51E-03	PT	2747.2	0.10E-02	TE
2314.4	0.39E 00	GD	2749.5	0.25E-03	Y
2321.0	0.19E-02	CR	2753.2	0.40E-03	S

ENERGY (KEV)	INTENSITY (P/G-N/CM2)	ELEMENT	ENERGY (KEV)	INTENSITY (P/G-N/CM2)	ELEMENT
-----	-----	-----	-----	-----	-----
2754.4	0.14E-01	NA D	3522.8	0.53E-03	P
2765.3	0.44E-03	LA	3530.5	0.44E-03	N
2767.3	0.28E 00	CD	3539.3	0.27E-02	SI
2811.0	0.15E-03	CA	3544.0	0.27E-03	TE
2828.1	0.56E-03	MG	3546.6	0.14E-02	K
2839.8	0.30E-03	PR	3585.2	0.14E-04	LI
2858.2	0.14E-03	ZN	3588.0	0.24E-02	NA
2859.7	0.31E-01	EU	3589.3	0.38E-04	F
2862.7	0.16E-02	NA	3591.7	0.15E-03	AL
2864.4	0.38E-01	CL	3608.6	0.55E-03	LA
2931.1	0.15E-02	S	3610.2	0.30E-03	CA
2933.2	0.15E-04	ZR	3619.8	0.42E-04	CE
2948.5	0.44E-01	DY	3632.8	0.19E-02	YB
2960.4	0.32E-03	AL	3641.7	0.30E-03	BA
3000.0	0.31E 00	CD	3652.0	0.55E-03	PR
3009.5	0.45E-03	SR	3661.3	0.16E-03	SI
3018.4	0.44E-04	CE	3683.9	0.54E-04	C
3026.8	0.26E-02	TI	3830.7	0.88E-04	MG
3034.4	0.30E-03	AL	3852.1	0.15E-02	LU
3054.1	0.17E-03	MG	3876.6	0.21E-02	IN
3058.3	0.24E-03	P	3884.9	0.31E-02	YB
3062.2	0.21E-01	CL	3900.3	0.65E-03	P
3074.4	0.32E-04	F	3916.7	0.64E-03	MG
3082.6	0.50E-03	LA	3920.4	0.13E-02	TI
3087.5	0.15E-02	YB	3929.6	0.15E-02	YB
3090.6	0.34E-04	CE	3982.0	0.30E-02	NA
3098.1	0.13E-02	NA	4029.2	0.62E-02	CO
3130.9	0.55E-03	GA	4054.7	0.26E-04	BI
3153.2	0.67E-03	RE	4096.3	0.87E-03	BA
3163.4	0.11E-03	Y	4101.8	0.17E-04	BI
3220.8	0.19E-02	S	4103.3	0.11E-03	I
3301.1	0.12E-03	MG	4107.5	0.44E-03	Y
3301.4	0.12E-03	Y	4109.4	0.24E-02	ER
3308.0	0.91E-05	B	4133.7	0.22E-03	AL
3334.3	0.32E-04	SN	4137.9	0.18E-03	ZN
3368.2	0.22E-03	BE	4171.1	0.36E-04	BI
3370.4	0.36E-03	S	4189.0	0.13E-02	AU
3408.5	0.49E-02	MN	4218.8	0.11E-02	FE
3413.6	0.85E-04	MG	4220.6	0.34E-03	TA
3444.4	0.75E-04	BE	4227.5	0.26E-02	IN
3444.7	0.43E-01	DY	4249.2	0.84E-03	W
3459.2	0.18E-04	SN	4259.9	0.21E-03	AL
3465.5	0.22E-03	AL	4291.2	0.29E-03	CE
3470.7	0.59E-03	W	4315.5	0.30E-03	TA
3474.7	0.15E-04	ZR	4320.8	0.52E-03	CU
3475.5	0.18E-02	TI	4336.8	0.13E-03	CE
3492.7	0.17E-04	LI	4343.5	0.31E-02	HF
3505.0	0.11E-04	B	4351.3	0.96E-04	RU

ENERGY (KEV)	INTENSITY (P/G-N/CM2)	ELEMENT	ENERGY (KEV)	INTENSITY (P/G-N/CM2)	ELEMENT
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4352.4	0.14E-03	Y	4921.4	0.29E-02	ER
4389.4	0.97E-03	LA	4934.3	0.24E-02	SI
4416.3	0.94E-03	LA	4943.5	0.91E-02	IR
4418.9	0.70E-03	CA	4945.2	0.11E-03	C
4443.0	0.15E-04	B	4949.0	0.18E-02	ND
4483.0	0.20E-03	TA	4950.2	0.44E-03	I
4484.3	0.40E-01	SM	4966.6	0.28E-02	TI
4502.8	0.66E-03	LA	4969.4	0.47E-02	IN
4507.6	0.73E-03	N	4975.1	0.67E-02	SC
4508.3	0.13E-04	LI	4980.0	0.21E-01	CL
4510.3	0.40E-02	RH	5007.9	0.89E-03	RE
4530.3	0.20E-04	ZR	5014.7	0.81E-02	MN
4530.7	0.48E-04	OS	5020.3	0.19E-02	CS
4565.7	0.12E-02	SE	5020.4	0.17E-02	LU
4617.7	0.19E-03	TA	5022.8	0.17E-03	RU
4627.4	0.11E-03	RU	5050.2	0.60E-01	HG
4671.3	0.56E-03	P	5074.3	0.13E-02	RE
4684.7	0.79E-03	W	5082.8	0.69E-03	HO
4692.2	0.11E-02	PR	5093.7	0.33E-03	I
4710.2	0.68E-05	B	5095.9	0.73E-03	PR
4720.2	0.17E-02	AG	5097.6	0.27E-02	LA
4723.8	0.11E-03	BA	5099.6	0.47E-03	TB
4733.2	0.17E-02	TM	5103.4	0.45E-02	IN
4734.1	0.18E-03	AL	5104.2	0.84E-04	NB
4739.5	0.76E-01	HG	5107.3	0.13E-03	SI
4739.7	0.44E-04	NB	5137.2	0.11E-02	RE
4749.7	0.13E-03	CA	5140.2	0.13E-02	PR
4752.8	0.19E-03	TL	5141.1	0.42E-02	IN
4766.1	0.50E-03	CE	5142.2	0.29E-02	V
4774.9	0.47E-02	IN	5143.8	0.47E-01	DY
4781.8	0.21E-03	TA	5146.9	0.17E-03	OS
4783.0	0.30E-03	AS	5148.2	0.40E-02	AU
4790.9	0.17E-02	ND	5152.2	0.17E-02	TM
4794.6	0.49E-03	PD	5164.3	0.12E-02	W
4801.4	0.57E-03	PR	5173.4	0.52E-03	PT
4809.1	0.91E-01	SM	5180.8	0.18E-03	TL
4810.0	0.12E 00	CD	5181.7	0.84E-02	CO
4810.3	0.47E-03	FE	5181.9	0.83E-03	HO
4812.8	0.68E-04	OS	5195.0	0.85E-03	GA
4829.6	0.11E-02	YB	5197.8	0.57E-03	I
4840.5	0.83E-03	GA	5209.9	0.33E-02	V
4842.5	0.58E-01	HG	5211.6	0.34E-02	ER
4842.7	0.28E-02	LA	5212.7	0.71E-03	HO
4860.2	0.85E-02	IR	5212.9	0.22E-03	PD
4861.0	0.97E-03	RE	5240.2	0.24E-02	AG
4869.8	0.79E-03	S	5252.6	0.12E-02	CS
4881.3	0.43E-02	TI	5253.6	0.43E-04	NB
4914.2	0.20E-03	TL	5254.6	0.14E-02	PT

ENERGY (KEV)	INTENSITY (P/G-N/CM2)	ELEMENT	ENERGY (KEV)	INTENSITY (P/G-N/CM2)	ELEMENT
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5261.7	0.26E-02	W	5601.7	0.18E-02	LU
5263.7	0.32E-04	ZR	5601.7	0.20E-02	SE
5265.7	0.66E-02	YB	5602.4	0.13E-03	MO
5266.2	0.93E-02	RH	5603.6	0.32E-03	TL
5267.1	0.12E-02	N	5607.3	0.96E-01	DY
5274.0	0.11E-03	OS	5611.4	0.31E-03	PT
5277.7	0.64E-03	RE	5618.8	0.12E-02	CR
5280.5	0.24E-03	TL	5637.4	0.84E-03	CS
5296.7	0.86E-03	N	5641.9	0.37E-03	TL
5307.0	0.34E-03	PT	5645.4	0.14E-03	Y
5320.4	0.12E-02	LU	5658.1	0.74E-01	HG
5320.5	0.18E-02	W	5660.3	0.24E-01	CO
5339.1	0.17E-02	GA	5665.7	0.13E-02	PR
5342.9	0.17E-03	TA	5667.2	0.18E-01	IR
5347.2	0.12E-01	RH	5668.1	0.22E-03	TE
5377.2	0.12E-02	CS	5684.0	0.77E-04	OS
5379.7	0.22E-01	EU	5684.3	0.90E-04	SB
5380.3	0.24E-02	K	5694.4	0.23E-02	HF
5380.9	0.18E-02	ND	5695.6	0.15E-02	K
5392.5	0.14E-04	SN	5699.7	0.55E-02	AG
5416.5	0.21E-03	AS	5710.4	0.40E-02	AU
5417.7	0.74E-03	CU	5713.1	0.22E-03	MO
5418.4	0.21E-02	HF	5715.2	0.26E-01	CL
5420.5	0.41E-02	S	5723.5	0.80E-02	HF
5431.4	0.21E 00	CD	5730.7	0.31E-03	BA
5448.2	0.26E-02	ND	5737.2	0.43E-02	TM
5450.2	0.29E-03	GE	5751.9	0.52E-02	V
5451.8	0.43E-04	MG	5752.0	0.14E-02	K
5474.2	0.38E-03	ZN	5760.6	0.31E-04	RB
5496.9	0.60E-04	NB	5763.1	0.85E-03	HO
5505.4	0.95E-03	CS	5777.2	0.68E-03	TB
5505.6	0.31E-02	HF	5782.6	0.12E-01	IR
5507.7	0.19E-03	BR	5784.7	0.20E-03	AS
5515.5	0.57E-02	V	5793.1	0.37E-02	AG
5518.3	0.31E-03	GE	5813.4	0.17E-02	HO
5521.2	0.22E-02	ND	5816.8	0.11E-02	NI
5527.2	0.10E-01	MN	5823.9	0.45E 00	CD
5532.0	0.82E-03	N	5828.4	0.37E-03	PD
5532.8	0.11E 00	SM	5842.9	0.47E-03	PR
5556.9	0.77E-01	DY	5886.2	0.16E-03	SB
5559.6	0.31E-03	I	5891.5	0.92E-03	TB
5562.9	0.18E-03	SB	5891.9	0.63E-02	IN
5564.6	0.12E-01	IR	5895.3	0.63E-04	NB
5569.6	0.17E-02	LU	5900.6	0.20E-03	CA
5570.6	0.15E-02	CS	5902.9	0.70E 00	GD
5577.9	0.20E-02	AG	5910.2	0.18E-02	RE
5582.6	0.36E 00	GD	5914.2	0.36E-03	BR
5601.5	0.12E-02	GA	5917.2	0.13E-01	RH

ENERGY (KEV)	INTENSITY (P/G-N/CM2)	ELEMENT	ENERGY (KEV)	INTENSITY (P/G-N/CM2)	ELEMENT
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5918.3	0.24E-01	EU	6267.3	0.46E-03	SR
5920.5	0.23E-02	FE	6268.0	0.14E-04	SN
5942.7	0.42E-02	TM	6273.7	0.12E-03	RU
5953.7	0.38E-03	TB	6294.5	0.65E-03	AS
5957.7	0.20E-01	IR	6295.0	0.19E-03	ZR
5958.1	0.13E-03	BE	6307.4	0.30E-03	I
5964.7	0.45E-03	TA	6319.1	0.11E-01	AU
5966.9	0.17E 00	HG	6321.4	0.77E-03	N
5982.8	0.42E-02	AU	6323.0	0.70E-03	TE
5994.7	0.45E-03	TB	6342.1	0.13E-03	RU
6001.6	0.24E-02	TM	6354.7	0.26E-03	BR
6008.0	0.27E-02	SE	6360.0	0.31E-02	GA
6008.0	0.15E-02	GA	6364.6	0.13E-03	MO
6017.1	0.33E-04	F	6380.1	0.14E-03	SB
6017.3	0.13E-04	LI	6380.1	0.43E-03	SI
6018.5	0.23E-02	FE	6387.4	0.36E-02	TM
6027.9	0.46E-04	BA	6395.4	0.36E-02	NA
6033.5	0.33E-03	PT	6418.0	0.28E-01	TI
6036.7	0.38E-03	GE	6419.3	0.33E 00	GD
6046.4	0.70E-02	RH	6419.9	0.18E-02	CA
6051.9	0.11E-02	CS	6456.8	0.68E-02	AU
6052.1	0.59E-03	HO	6457.8	0.67E-01	HG
6054.9	0.73E-02	SC	6464.8	0.56E-02	V
6056.1	0.41E-02	AG	6468.1	0.12E-03	SB
6058.3	0.22E-03	AS	6470.7	0.26E-04	RB
6062.5	0.27E-03	TA	6502.1	0.12E-01	ND
6080.3	0.64E-02	Y	6512.1	0.50E-02	AU
6081.8	0.18E-01	IR	6515.2	0.16E-03	TL
6082.8	0.59E-02	RH	6517.2	0.11E-01	V
6101.9	0.29E-03	SR	6520.2	0.29E-04	RB
6105.0	0.98E-03	NI	6523.6	0.32E-03	SB
6111.1	0.89E-01	CL	6537.9	0.47E-01	SM
6111.4	0.12E-02	GA	6552.9	0.25E-02	TM
6112.3	0.26E-02	HF	6555.6	0.49E-02	TI
6116.3	0.41E-03	GE	6587.2	0.44E-04	OS
6138.8	0.47E-03	TB	6599.5	0.81E-03	CU
6144.3	0.96E-03	W	6600.7	0.28E-04	F
6166.9	0.20E-03	TL	6601.2	0.40E-02	SE
6171.8	0.61E-02	RH	6620.1	0.56E-01	CL
6190.5	0.27E-02	W	6625.1	0.12E-03	MO
6211.1	0.21E-03	TE	6645.5	0.19E-02	CR
6211.4	0.63E-02	RH	6652.5	0.16E-03	PD
6218.2	0.70E-03	TB	6660.6	0.46E-03	SR
6228.5	0.19E-01	EU	6676.8	0.31E-02	ER
6229.0	0.53E-02	ER	6678.0	0.14E-02	CU
6232.7	0.14E-02	SE	6693.0	0.28E-03	I
6252.0	0.16E-01	AU	6706.0	0.28E-01	CO
6255.9	0.54E-02	ND	6707.9	0.40E-03	GE

ENERGY (KEV)	INTENSITY (P/G-N/CM2)	ELEMENT	ENERGY (KEV)	INTENSITY (P/G-N/CM2)	ELEMENT
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6728.0	0.22E-03	SB	7268.9	0.20E-02	AG
6736.4	0.25E-04	PB	7278.9	0.13E-02	FE
6745.5	0.23E-03	BR	7299.5	0.38E-03	N
6749.8	0.20E 01	GD	7306.2	0.27E-02	CU
6759.3	0.80E-05	B	7367.7	0.48E-03	PB
6759.7	0.41E-01	TI	7413.8	0.48E-01	CL
6780.1	0.49E-03	YB	7418.7	0.24E-02	SE
6783.7	0.50E-02	MN	7420.7	0.33E-03	BR
6785.3	0.53E-03	P	7421.2	0.22E-03	P
6803.8	0.16E-02	LU	7491.1	0.11E-01	CO
6809.9	0.10E-02	AS	7527.1	0.13E-03	MO
6810.0	0.40E-03	BE	7527.7	0.39E-03	SR
6830.7	0.75E-04	NB	7536.1	0.23E-02	NI
6831.4	0.31E-04	RB	7575.8	0.58E-03	BR
6837.0	0.56E-02	NI	7624.1	0.99E-04	RB
6839.5	0.15E-01	SC	7631.6	0.77E-02	FE
6867.6	0.20E-03	ZN	7635.9	0.83E-02	SC
6873.9	0.67E-02	V	7636.6	0.53E-02	CU
6876.9	0.30E-01	CO	7645.6	0.63E-02	FE
6915.5	0.32E-03	GE	7723.8	0.11E-02	AL
6919.3	0.58E-03	MO	7769.0	0.15E-02	K
6926.1	0.38E-03	AS	7790.0	0.37E-01	CL
6941.9	0.28E-03	SR	7800.0	0.27E-03	S
6958.5	0.32E-03	ZN	7818.9	0.43E-02	NI
6985.1	0.11E-01	CO	7862.9	0.12E-02	ZN
7005.1	0.97E-05	B	7914.5	0.10E-01	CU
7019.5	0.87E-03	AS	7939.3	0.41E-02	CR
7030.1	0.25E-03	BR	8120.5	0.16E-02	NI
7057.9	0.16E-01	MN	8154.4	0.62E-04	MG
7069.2	0.16E-03	ZN	8174.7	0.29E-01	SC
7076.3	0.27E-03	BR	8331.0	0.72E-04	PD
7102.9	0.82E-04	RU	8512.3	0.20E-02	CR
7112.0	0.16E-03	ZN	8531.6	0.15E-01	SC
7159.9	0.88E-02	MN	8533.4	0.88E-02	NI
7162.7	0.82E-02	V	8634.2	0.92E-05	ZR
7179.7	0.15E-02	SE	8884.1	0.87E-02	CR
7186.1	0.34E-04	NB	8998.8	0.20E-01	NI
7199.3	0.25E-03	SI	9108.8	0.21E-04	BA
7213.0	0.17E 00	SM	9298.4	0.11E-02	FE
7214.1	0.18E-01	CO	9326.1	0.11E-04	SN
7243.5	0.17E-01	MN	9720.3	0.35E-02	CR
7246.7	0.37E-04	LI	9882.9	0.13E-02	SE
7251.9	0.12E-02	CU	10827.7	0.48E-03	N
7259.8	0.26E-03	GE			



TABLE II

Energies and Intensities of the Capture Gamma  
Rays of 75 Elements Listed in Terms of Increasing  
Gamma-Ray Energy

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
178.4	.397E-02		PR	227.6	.137E-03		W
185.3	.299E-04		SB	228.2	.167E-02		RE
185.7	.671E 00		DY	228.5	.231E-03		YB
187.3	.448E-02		OS	228.6	.126E 00		SC
191.0	.294E-02		NB	229.5	.570E-05		SN
193.5	.123E-01		AU	229.7	.778E-05		TL
196.9	.339E-02		BR	230.2	.386E-04		PR
199.5	.124E 00		AG	230.4	.432E-03		FE
200.2	.373E-03		AS	230.5	.684E-01		CO
200.3	.145E-01		DY	230.9	.531E-03		GA
201.2	.122E-02		W	231.8	.749E-01		GD
201.5	.781E-03		ND	231.9	.301E-03		SB
202.9	.312E-03		SB	232.3	.921E-04		OS
203.1	.242E-02		CU	232.3	.519E-03		IN
203.2	.731E-03		AU	233.0	.181E-04		P
203.2	.141E-02		Y	233.6	.710E-05		Y
203.9	.498E-02		IN	233.7	.543E-03		YB
205.2	.240E-01		TM	234.6	.183E-02		LU
207.4	.159E-02		CS	234.6	.101E-04		MO
208.0	.931E 00		EU	234.8	.555E-03		BR
208.1	.310E-02		DY	234.8	.566E-03		HF
209.4	.225E 00		GD	234.8	.439E-02		CS
209.8	.154E-01		RE	235.1	.136E-04		TL
212.5	.268E-03		AS	236.3	.155E-02		IN
212.5	.877E-02		MN	236.5	.113E-01		AU
213.6	.479E-03		GA	236.7	.109E-02		AS
214.0	.200E 00		HF	236.7	.146E-02		RH
214.4	.259E-02		IN	237.0	.477E-01		AG
215.0	.136E-01		AG	237.1	.659E 00		GD
215.7	.298E-01		AU	237.4	.167E-02		RE
215.8	.516E-02		DY	237.5	.319E-01		TM
217.0	.222E-01		SC	237.9	.502E-03		TA
217.4	.935E-01		RH	238.5	.348E-02		LA
217.4	.121E 00		IR	239.6	.120E-01		SE
218.3	.408E-04		SB	240.1	.303E-03		ND
219.1	.290E-02		IN	240.2	.107E-04		SN
219.3	.210E 00		GD	240.3	1.000E-02		HO
219.4	.645E-02		ER	240.5	.576E-04		MO
219.6	.454E-02		LA	241.2	.771E-04		PT
220.4	.109E-01		TM	241.8	.250E-01		YB
221.0	.120E-02		CS	242.4	.973E-05		TL
221.1	.313E-02		BR	242.5	.121E-04		BA
222.0	.508E-02		HO	242.6	.734E 00		GD
222.3	.121E 00		EU	243.5	.769E-03		TA
222.3	.824E-05		SN	243.6	.886E-04		P
223.6	.689E-04		I	244.3	.300E-04		N
225.6	.796E-04		AS	244.5	.338E-04		PR
225.8	.490E-02		IR	244.5	.111E-03		MO
227.3	.266E-04		P	245.2	.137E-04		TE
227.5	.814E-03		HF	245.2	.109E-02		YB

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
245.2	.814E-03		HF	261.7	.697E-03		CS
245.3	.420E-04		K	261.7	.183E-04		RU
245.7	.267E-02		PD	263.4	.562E-02		IR
245.8	1.000E-04		W	263.6	.313E-04		B
246.0	.933E-01		EU D	264.7	.365E-03		AS
246.1	.746E-02		BR	264.8	.244E-03		YB D
246.2	.366E-03		LU	265.5	.409E-04		B
246.8	.936E-02		SM	265.7	.240E-03		PD
246.9	.147E-03		SI	266.1	.195E-04		TL
247.1	.226E-02		CS	266.4	.488E-05		ZR
				267.4	.285E-03		HO
247.7	.477E-04		B	267.6	.168E-03		GA
248.1	.477E-03		ND	267.8	.972E-03		CS
248.2	.169E-01		AU	267.9	.338E-01		RH
248.7	.392E-03		AL	268.0	.117E-01		AG
249.2	.337E-02		RH	268.2	.162E-02		HF
249.8	.244E-03		TB	268.6	.140E-03		I
250.0	.106E-02		SC	269.4	.109E-01		LU
250.5	.985E-03		SE	270.0	.126E-04		TL
250.5	.142E-03		SI	270.1	.137E-03		NI
250.9	.110E-03		P	270.4	.140E 00		SM
250.9	.232E-02		GA	270.9	.415E-04		B
251.2	.258E-03		YB D	271.0	.143E-02		ER
251.2	.125E-03		ZR	271.1	.205E-01		TA
251.4	.711E-04		K	271.2	.409E-02		MN
251.9	.596E-04		SN	271.6	.122E-04		RU
251.9	.189E-01		DY	273.2	.376E-02		BR
252.0	.234E-01		SM	273.2	.287E-02		LA
252.1	.294E-03		Y	273.3	.734E-01		IN
252.1	.228E-03		TI	273.4	1.000E-03		W
252.1	.711E-04		PT	273.5	.860E-03		ER
252.3	.368E-03		NI	274.5	.331E-02		RE
252.7	.881E-04		MO	274.9	.171E 00		SM
253.1	.311E-04		TL	275.2	.766E-03		OS
253.1	.150E-03		N	275.7	.347E-04		B
253.2	.811E-03		GE	275.8	.107E-04		TL
253.6	.246E-03		AS	276.2	.162E-02		HF
253.8	.312E-03		W	276.8	.778E-02		IR D
253.8	.368E-03		OS	277.0	.317E-04		CA
255.0	.973E 00		GD	277.3	.367E-04		FE
255.1	.143E-02		NB	277.5	.225E-03		GA
255.4	.184E-01		RE	277.6	.122E-03		TB
				277.7	.400E-04		MG
257.6	.116E-02		HF	277.7	.599E-01		CO
258.1	.938E-04		B	277.7	.181E-03		PD
258.9	.187E-01		SM	277.9	.700E-04		N
259.5	.413E-02		DY	277.9	.139E 01		GD
259.9	.311E-02		LU D	278.3	.109E-01		CU
260.8	.129E-02		ER	279.4	.814E-03		HF
261.5	.175E-01		AU	279.6	.133E-04		Y

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
279.6	.705E-04		F	297.6	.406E-02		TA
280.2	.877E-04		I	297.8	.107E-02		SE
280.8	.263E-02		SC	298.0	.242E-03		BR
281.4	.716E-04		B	298.1	.618E-04		TE
281.6	.241E-04		PR	298.3	.220E-04		MO
282.1	.224E-03		AS	298.4	.192E-01		IN
282.3	.124E-01		DY	298.8	.936E-01		SM
283.1	.174E-02		NI	298.9	.234E-04		F
283.1	.900E-03		SB	299.2	.503E-03		AS
283.3	.452E-04		BA	300.2	.222E-03		ZN
283.8	.276E-01		EU	300.2	.134E-02		RE
284.3	.134E-03		GE	300.2	.523E-04		TB D
284.6	.219E-04		I	300.7	.121E-01		EU
285.2	.683E-01		ER	300.9	.272E-02		CO
285.3	.421E-03		YB	302.2	.179E-02		LU
285.8	.228E-02		IN	302.4	.792E-03		I
286.0	.114E-02		LU	302.6	.173E-03		ND
286.4	.136E-02		SE	303.2	.289E-04		RU
286.7	.210E-02		RH	303.6	.524E-03		GA
286.8	.344E-04		I	303.9	.135E-01		HF
287.5	.177E-04		F	304.6	.117E-04		TL
288.5	.969E-03		BR	304.7	.389E-04		MO
288.9	.225E 00		GD	304.9	.122E-03		TI
289.1	.385E-02		LA	305.1	.903E-03		CL
289.2	.349E-04		TB	305.1	.304E-01		SM
290.4	.662E-02		HO	305.7	.266E-02		HO
290.9	.116E-02		HF	305.9	.620E-02		RH
291.1	.110E-01		RE	306.0	.899E-01		GD
291.2	.595E-03		LU	306.3	.824E-04		OS
291.4	.450E-03		W	308.0	.620E-02		CS
291.4	.311E-02		I	308.1	.559E-02		ER
291.5	.778E-03		PD	308.2	.152E-04		MO
292.3	.432E-02		AU	308.2	.760E-03		YB D
292.8	1.000E-04		TL	308.6	.110E-02		AU
293.4	.290E-03		NB	309.2	.106E-02		ND
294.2	.390E-03		ND	310.1	.641E-03		LU
294.6	.141E-02		CL	310.2	.253E-03		NB
294.8	.482E-04		PR	310.6	.413E-02		DY
294.8	.196E-02		V	310.6	.272E-04		SB
294.8	.472E-04		NI	311.3	.999E-05		BA
295.2	.195E-01		IR D	311.5	.750E-02		TM
295.5	.630E-04		OS	311.7	.150E 00		GD
295.5	.329E-03		CS	311.8	.349E-04		TB
295.6	.506E-01		SC	312.5	.119E-02		AU
295.6	.198E-01		AG	313.8	.420E-04		K D
295.7	.960E-04		RU	314.0	.137E-04		TE
296.3	.448E-02		DY	314.2	.424E-04		FE
296.4	.172E-02		ER	314.3	.517E-02		MN
296.9	.854E 00		GD	314.3	.288E-04		MO
297.6	.226E-03		GE	315.1	.206E 00		SM

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
315.1	.563E-04		I	330.9	.126E-03		OS
315.4	.190E-04		SB	331.3	.151E-03		ND
315.9	.266E-02		BR	331.4	.515E-04		TL
316.2	.277E-03		CU	331.6	.160E-04		TE
316.5	.208E-01		IR D	332.1	.310E-04		SN
316.6	.654E-02		DY	332.5	.101E-04		MO
317.6	.843E-02		RE	332.6	.273E-04		ZN
317.7	.113E-02		CO	332.6	.136E-04		F
317.8	.547E-03		RH	332.7	1.000E-03		SB
318.1	.174E-03		TB	333.3	.577E-02		PT
318.5	.137E-04		RU	333.4	.551E-02		DY
319.0	.858E-03		GA	333.6	.689E-04		I
319.3	.239E-03		TL	333.7	.413E-02		HG
319.6	.156E-01		LU D	333.9	.195E 02		SM
320.4	.166E-02		IN	334.3	.237E-02		HO
320.4	.434E-03		ND	334.3	.894E-05		BA
320.8	.425E-04		ZN	334.3	.329E-05		ZR
321.6	.152E-04		MO	334.6	.922E-02		RH
322.8	.244E-04		SB	334.8	.611E-03		YB
323.6	.138E-02		OS D	334.9	.189E-03		MN
323.9	.415E-01		EU	335.2	.155E-02		CO
324.1	.648E-02		RH	335.2	.389E 00		GD
324.7	.165E 00		GD	335.3	.286E-03		TA
324.7	.280E-05		ZR	335.4	.271E-03		OS
325.0	.160E-02		PD	335.5	.150E-04		Y
325.3	.576E-04		P	335.6	.238E-01		IN
325.7	.787E-03		YB	335.8	.617E-04		LA
325.7	.106E-03		BR	336.0	.917E-04		PR
325.8	.223E-01		HF	336.0	.361E-04		AL
325.9	.125E-03		I	336.4	.343E-04		TE
326.0	.961E-04		N	336.4	.188E-02		LU
326.1	.119E-02		GE	336.5	.314E-04		P
326.3	.412E-05		SN D	336.6	.787E-03		YB
326.6	.289E-04		MG	336.7	.434E-03		CS
326.7	.115E-03		F	336.7	.265E-02		I
326.9	.122E-04		RU	336.8	.697E-05		SN
327.5	.159E-03		TI	336.9	.310E-04		N
327.5	.531E-04		PR	337.3	.315E-02		HF
327.9	.874E-02		AU	337.4	.305E-04		MO
328.2	.358E-03		LA D	337.8	.102E-03		ZN
328.2	.212E-04		ZN	337.9	.209E-03		NB
328.4	.218E-04		NB	338.1	.115E-02		PD
328.4	.215E-04		BA	338.2	.214E-04		TL
328.8	.618E-01		IR D	338.5	.217E-03		ND
				338.6	.627E-04		PR
328.9	.501E-03		RE	338.7	.143E-02		ER
329.4	.333E-03		AL	339.5	.169E-04		F
				339.5	.145E-02		NI
329.5	.172E-02		AG	339.5	.300E 00		GD
330.7	.143E-02		ER	339.6	.915E-03		AG

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
339.9	.199E-04		BA	359.2	.566E-03		HF
340.0	.445E-03		RE	359.5	.582E-04		K
340.2	.453E-03		TB	359.6	.475E-05		SN
340.3	.101E-03		AS	360.0	.564E-03		CL
341.0	.388E-04		CA	360.4	.721E-02		AG
341.7	.233E-01		TI	360.4	.200E-01		DY D
341.9	.820E-02		YB	360.7	.242E-02		YB
342.7	.195E-03		ND	360.8	.625E-04		RU
				361.3	.965E-04		PR
343.4	.496E-03		TE	361.4	.132E-02		TA
343.9	.183E-02		CU	361.5	.281E-01		SM
344.9	.285E-03		HO	361.8	.129E-02		ER
345.3	.222E-03		I	362.0	.304E-03		AS
345.3	.680E-04		SB	362.0	.683E-03		OS D
345.4	.126E-02		BR	362.4	.584E-03		RE
345.4	.356E-04		AL	363.0	.293E-03		NI
345.5	.431E-04		BA	363.2	.368E-04		CA
345.5	.122E-04		RU	364.2	.240E 00		GD
346.1	.274E-02		AU	364.6	.731E-03		AU
346.2	.195E 00		GD	364.7	.947E-05		BA
347.0	.941E-03		TA	365.2	.788E-03		ER
347.6	.302E-03		CS	366.5	.887E-05		SN
348.0	.279E-02		LU	366.8	.182E-04		ZN
348.5	.152E-02		HF	366.9	.415E-03		FE
348.6	.310E-03		TL	367.2	.551E-02		DY
348.7	.108E-03		GE	367.5	.144E-01		LU
349.8	.162E-03		MO	367.8	.922E 00		HG
350.4	.365E-02		AU	368.2	.114E-02		IN
350.5	.434E-04		PR	368.3	.232E-01		CD
350.5	.141E-02		AG	368.4	.217E-04		SB
350.7	.964E-01		DY	368.7	.109E-02		AG
351.0	.103E-03		SB	369.1	.371E-04		N
351.1	.872E-04		TB	369.2	.210E 00		GD
351.8	.571E-01		IR	369.4	.107E 00		EU
				369.6	.122E-04		RU
352.0	.135E 00		GD	370.3	.230E-03		MO
352.5	.307E-02		FE	371.1	.788E-03		ER
353.8	.217E-03		ND	371.3	.148E-02		TM
354.1	.171E-03		TE	371.5	.236E-04		P
355.2	.951E-05		SN	371.6	.708E-03		HF
355.6	.445E-03		AS	371.7	.102E-02		OS
356.1	1.000E-02		PT	372.0	.117E-04		TL
356.9	.114E-02		IN	372.2	.396E-02		HO
357.0	.263E-04		BA	372.8	.764E-02		IR D
357.2	.192E-03		TB	374.3	.166E-02		IN
357.4	.109E-02		CS	374.4	.407E-04		CE
357.6	.135E 00		GD	374.6	.124E 00		EU
357.7	.785E-02		RH	375.2	.529E-02		RH
358.9	.525E-03		PD	375.3	1.000E-04		I
358.9	.261E-03		HO	375.5	.437E-03		MN

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
376.1	.303E-03		ND	391.6	.331E-02		RE
376.3	.159E-04		Y	391.7	.882E-02		CO
376.6	.433E-03		GA	391.9	.213E-03		GE
377.3	.139E-04		SN	392.4	.116E-02		HO
377.8	.338E-04		PR	392.8	.285E-03		YB D
378.0	.762E-03		CS	392.9	.877E-04		I
378.7	.788E-04		SB	393.1	.145E-03		PT
378.9	.105E-03		TB	393.2	.174E-02		LU
379.0	.111E-03		BR	393.3	.708E-03		HF
				393.6	.115E-04		Y
379.6	.221E-03		AS	393.7	.158E-02		GA
380.1	.342E-05		ZR	393.7	.182E-04		ZN
380.3	.235E-03		TA	394.9	.120E-03		CU
380.3	.135E 00		GD	395.7	.620E-03		CL
380.4	.129E-01		AG	395.7	.836E-04		TL
381.0	.165E-02		ER	395.8	.150E-03		LA
381.4	.116E-01		AU	395.9	.180E-04		NB
381.5	.457E-04		TE	396.2	.670E-03		AU
381.8	.549E-04		K	396.3	.315E-04		F
382.2	.152E-02		HF	396.5	.122E-03		PD
382.4	.169E-04		MO	397.0	.145E-03		OS
383.0	.148E-04		SI	397.2	.150E 00		GD
383.5	.238E-04		CE	398.5	.325E-03		ND
384.1	.257E-01		SM	398.7	.115E-04		Y
384.3	.710E-02		TM	398.7	.107E-02		ER
384.4	.579E-04		PR	399.6	.157E-02		TM
384.5	.672E-03		ND	399.8	.729E-05		SN
384.7	.288E-02		IR	400.1	.369E-02		SC
384.8	.180E-04		NB	401.1	.232E-04		SR
385.2	.254E-02		CU	401.5	.452E-03		AS
385.3	.201E-01		IN	401.6	.353E-04		SB
385.3	.507E-05		SN	401.8	.623E-03		IN
385.4	.925E-04		SB	402.1	.131E-02		HO
385.7	.417E-04		Y	402.1	.252E-04		BR
386.0	.146E-02		RH	402.9	.107E-01		TA
386.2	.783E-04		I	403.1	.476E-02		IR
386.6	.824E-04		OS D	403.9	.976E-04		RU
386.8	.136E 00		DY	403.9	.676E-04		PR
387.1	.317E-05		ZR	404.1	.101E-02		LU
387.7	.158E-02		ER	404.2	.271E-03		YB
387.7	.682E-04		SR	404.4	.173E-01		EU
388.3	.131E-03		BR	404.6	.106E-02		HF
388.9	.107E-04		SN	404.9	.342E 00		SM
389.4	.694E-04		LA	405.2	.757E-04		BR
389.8	.254E-04		MO	405.5	.389E-04		MO
390.0	.876E-04		MG	405.8	.697E-04		TB
391.4	.244E-05		ZR	406.7	.404E-02		IR
391.5	.173E-01		EU	406.7	.334E-03		RE
391.6	.985E-03		AG	407.2	.733E-04		LA
391.6	.150E 00		GD	408.6	.229E-04		CE

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
408.6	.566E-03		HF	425.6	.910E-03		YB
408.7	.121E-01		EU	426.3	.717E-02		HO
408.9	.106E-02		SC	426.8	.325E-02		HF
408.9	.294E-04		BA	426.8	.270E-02		TM
409.5	.120E-02		AG	426.9	.391E-03		AS
409.5	.141E-03		OS	427.2	.368E-01		CD
410.4	.141E-04		SR	427.7	.218E-04		P
411.3	.195E-03		FE	428.0	.872E-04		TB
411.3	.463E-02		AU	428.0	.297E-02		ND
411.4	.225E-03		GA	428.9	.292E-02		RH
411.4	.216E-02		HO	429.9	.180E-04		NB
411.7	.443E-05		SN	430.1	.204E-02		PD
411.8	.656E-02		TM	430.3	.210E-01		DY
412.7	.170E-03		OS	430.4	.771E-04		PT
413.2	.872E-04		TB	430.5	.482E-04		PR
413.2	.237E 00		DY	431.4	.161E-03		GE
413.8	.375E-02		LU	431.4	.697E-05		SN
414.0	.167E-03		PD	431.9	.155E-03		OS
414.7	.890E-03		RE	432.8	.247E-03		BR
415.6	.656E-04		BR	432.9	.133E-04		Y
417.1	.697E-04		TB	433.1	.679E-03		YB
417.2	.137E-04		TE	433.3	.539E-05		SN
417.2	.765E-01		IN	434.0	.106E-01		IN
417.2	.101E-04		SN	434.4	.699E-04		ZN
417.8	.386E-04		PR	434.9	.163E-03		SR
418.0	.353E-02		AU	434.9	.141E-03		OS
418.2	.518E-04		RU	435.0	.210E-02		CS
418.2	.241E-04		SR	435.1	.303E-02		IR
418.3	.202E-01		IR	435.7	.377E-02		CO
418.8	.257E-01		SM	435.9	.244E-04		SB
419.5	.254E-02		V	436.1	.443E-04		P
419.9	.337E-03		SB	436.3	.287E-04		MG
420.6	.504E-04		BR	436.4	.911E-03		ND
421.0	.105E-02		I	436.6	.409E-02		V
421.1	.931E-02		RH	436.6	.977E-05		RB
421.9	.113E-03		RB	437.4	.214E-02		CL
422.2	.559E-02		ER	439.0	.379E-04		TL
422.6	.288E-04		MO	439.4	.107E 02		SM
422.8	.164E-01		SM	439.8	.745E-04		Y
423.2	.142E-03		CU	439.9	.627E-04		PR
423.2	.174E-04		SR	439.9	.128E-02		SE
423.2	.267E-02		LA	440.2	.557E-04		B
423.7	.142E-04		BA	440.5	.212E-02		SC
423.8	.595E-03		LU	440.6	.217E-04		SB
424.3	.280E-05		ZR	440.9	.958E-02		RH
424.5	.138E-01		EU	441.0	.181E-03		PD
424.9	.147E-03		TL	441.2	.216E-02		CS
425.3	.563E-03		AG	441.6	.219E-04		F
425.3	.255E 00		GD	442.8	.651E-03		ND
425.5	.159E-03		TA	442.9	.191E-03		TA



ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
443.1	.380E-03		HO	461.9	.295E-02		CO
443.2	.275E-02		I	462.7	.465E-01		CD
443.8	.206E-04		TE	463.2	.394E-04		BA
444.4	.475E-05		SN	463.3	.299E-04		SB
444.6	.771E-05		RB	463.8	.751E-04		I
445.6	.934E-03		IN	463.8	.121E-01		EU
445.7	.533E-03		ZN	463.8	.633E-04		PD
446.2	.217E-04		SB	463.9	.257E-01		SM
446.2	.485E-02		TM	464.3	.371E-04		SN
446.7	.197E-03		TA	465.0	.155E-02		AG
446.9	.887E-04		LA	465.1	.676E-02		NI
447.3	.658E-01		DY	465.2	.325E-03		ND
447.4	.195E 00		GD	465.8	.888E-01		DY
447.4	.182E-04		ZR	466.2	.200E-02		CU
447.6	.223E-01		CO	468.4	.375E-03		SE
447.7	.355E-04		Y	469.2	.110E-01		IR
447.8	.111E-01		ER	469.5	.149E-02		BR
448.5	.977E-05		RB	470.5	.524E 00		GD
449.3	.354E-04		P	470.6	.922E-02		RH
449.4	.372E-03		CU	471.7	.228E-03		TI
449.9	.144E-04		SI	472.2	.147E-02		AS
449.9	.162E-02		CS	472.3	.145E-03		TL
450.1	.121E-01		EU	472.4	.809E-04		P
450.4	.169E-04		MO	472.4	.969E-02		NA
451.1	.104E-03		ZN	472.9	.190E-01		EU
451.2	.244E-03		TB	473.1	.323E-02		TM
451.4	.585E-01		SM	473.3	.719E-04		N
452.0	.571E-04		SB	473.5	.158E-01		IN
452.8	.682E-04		B	473.5	.771E-02		HG
453.5	.452E-04		PD	473.8	.257E-01		SM
453.9	.565E-05		RB	474.1	.650E-04		F
454.0	.193E-02		MN	474.4	.106E-02		SC
454.3	.121E-03		BA	475.0	.887E-05		SN
454.4	.605E-04		BR	475.3	.151E-02		RU
454.5	.118E-01		ND	475.4	.310E-02		YB
454.9	.337E-03		TA	475.7	.489E-04		SB
455.2	.744E-03		Y				
456.2	.155E-02		AU	476.0	.224E-03		RB
456.3	.178E-02		HO	476.1	.183E-02		PD
456.4	.107E-02		ER	477.0	.562E-01		CD
456.8	.270E-02		TM	477.0	.655E-02		ND
457.8	.146E-03		TE	477.1	.306E-01		DY
458.1	.407E-01		LU	477.5	.357E-02		HG
458.2	.879E-04		NB	477.6	.241E-04		LI
459.0	.207E-01		EU	477.7	.267E-01		B
460.0	.412E-04		TE	477.9	.959E-03		CL
460.5	.125E-03		I	478.3	.328E-02		OS
461.2	.355E-04		K	478.4	.133E-04		Y
461.2	.366E-04		RU	478.4	.110E-04		SN
461.3	.270E-03		PR	478.8	.127E-02		TA

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
479.0	.757E-04		P	496.0	.475E-02		AG
479.0	.128E-02		RE	496.2	.119E-03		LA
479.1	.500E-03		FE	497.3	.135E-01		CO
				497.5	.126E-03		B
479.4	.179E-02		CS	497.6	.150E 00		DY
479.5	.160E-04		TE	498.2	.135E-02		TM
479.6	.741E-02		W	498.5	.152E-04		RU
479.6	.262E-04		MG	498.7	.114E-03		NB
479.7	.667E-04		N	498.9	.302E-04		BR
480.1	.544E-04		SB	499.1	.111E-03		NA
480.7	.316E-04		F	500.3	.368E-03		GE
480.7	.174E-03		TB	501.7	.109E-03		B
480.7	.190E-03		TI	506.3	.323E 01		SM
480.8	.222E-03		MO	*- 518.3	.620E-01		CL
481.0	.269E-03		NI	520.6	.332E-02		SE
481.9	.860E-04		PT	522.5	.109E-03		K
481.9	.803E-02		RH	523.4	.522E-03		HO
482.0	.375E-04		I	523.8	.680E-04		SB
482.1	.192E-03		TB	525.4	.338E-02		AG
482.3	.189E-03		V	525.6	.445E-01		SM
482.5	.586E-04		NB	526.2	.446E-03		OS
482.8	.921E-03		HF	526.7	.112E-04		NB
482.8	.222E-03		BR	526.8	.360E-03		I
483.0	.668E-03		AG	526.8	.105E-03		TB
484.4	.369E-02		CO	527.0	.225E 00		GD
484.8	.338E-03		SE	528.3	.254E-04		MO
484.9	.291E-04		SR	528.4	.539E-03		CS
485.9	.248E 00		SM	528.6	.154E-03		PR
485.9	.312E-03		LA	528.7	.734E-02		AU
486.2	.578E-02		SC	531.4	.112E-03		ZN
488.2	.720E-04		RB	531.6	.105E-02		YB
488.8	.152E-03		TL	532.4	.107E-02		ER
488.9	.199E-02		HO	533.6	.570E-05		SN
489.1	.143E-03		GA	534.6	.783E-04		I
489.6	.288E-02		IR	536.8	.755E-02		TM
490.8	.147E-04		BA	537.1	.524E-02		AG
491.1	.870E-04		SB	537.6	.124E-01		RH
491.3	.643E-02		IN	537.7	.157E-03		RB
491.9	.112E-04		ZR	538.4	.244E 00		DY
492.3	.291E-03		OS	538.4	.344E-04		LI
492.3	.252E-03		GE	538.7	.828E-03		CS
492.4	.210E 00		GD	538.8	.186E-04		MO
492.6	.339E-03		PD	539.2	.188E 00		CD
492.8	.183E-04		TE	539.6	.527E-02		SC
492.9	1.000E-04		I	539.8	.399E-04		Y
494.0	.858E-04		BR	539.8	.231E-02		RU
494.2	.131E-03		CU	539.9	.868E-03		ND
494.8	.303E-03		ND	540.1	.905E-02		HG
495.1	.125E-03		W	540.6	.108E 00		SM
495.1	.203E-04		MO	541.0	.360E-04		TL
* 500.0	.384E-03		CA				

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
541.0	.846E-03		CL	558.9	.620E-04		F
542.8	.240E 00		GD	559.0	.157E-03		TB
542.9	.277E-03		MN	559.1	.326E-03		PD
543.2	.650E-02		HO	559.1	.344E-04		I
543.4	.407E-04		I	559.4	.243E-03		TI
543.4	.712E-03		BR	559.5	.275E-04		SI
544.2	.697E-04		TB	559.5	.113E-03		K
544.5	.738E-02		ER	559.6	.790E-04		MG
544.9	.539E-05		SN	559.7	.560E-03		PR
545.1	.206E-04		TE	559.7	.788E-02		ER
546.4	.165E-03		SB	559.9	.362E-03		AS
546.5	.405E-03		PR	559.9	.152E-02		HF
546.9	.292E-02		RH	560.0	.103E-02		CS
547.2	.353E-02		IN	560.2	.356E-03		NA
548.2	.438E-04		I	560.4	.384E-03		GA
549.6	.359E-02		AG	560.6	.201E-03		V
549.7	.648E-04		GA	561.0	.110E-03		ZR
550.0	.503E-04		AL	562.5	.139E-03		NB
550.2	.832E-04		AS	564.2	.693E-03		CR
550.3	.883E-03		AU	564.7	.249E-02		ND
550.6	.949E-03		LA	565.5	.979E-02		TM
551.1	.186E-04		MO	566.0	.106E-03		BR
551.5	.476E-02		LU	566.8	.708E-03		HF
551.5	.218E-02		W	567.0	.824E-05		SN
552.3	.238E-02		TM	567.5	.185E-02		LA
554.8	.168E-01		SC	567.8	.235E-03		SE
555.1	.360E-02		BR	569.0	.337E-01		DY
556.1	.188E-01		RH	569.3	.250E-02		OS
556.2	.455E-01		CO	569.6	.774E-03		YB
556.4	.183E-04		SN	570.3	.668E-05		RB
556.7	.826E-02		DY	570.3	.219E-04		I
556.8	.658E-03		RB	570.3	.124E-03		FE
557.3	.783E-04		I	570.6	.237E-03		BR
557.5	.146E-01		IN	570.9	.330E-04		NB
557.5	.304E-01		SM	571.1	.749E-01		SM
557.5	.584E-04		BA	572.2	.407E-03		K
557.6	.139E-03		P	573.1	.492E-03		PR
558.1	.109E-03		TE	574.0	.344E-03		MO
558.2	.128E-02		SB	574.1	.114E-01		IR
558.4	.150E-03		GE	574.6	.978E-03		Y
558.4	.329E-02		OS	574.9	.386E-03		GE
558.4	.270E-03		PT	575.0	.113E-03		PT
558.5	.120E-02		SR	575.3	.274E-03		K
558.6	.836E-02		IR	575.8	.490E 00		CD
558.6	.154E 02		CD	575.8	.846E-03		CL
558.6	.270E 00		GD	576.4	.324E-04		SR
558.7	.445E-03		RE	577.1	.118E-02		RH
558.7	.656E-03		MN	577.5	.631E-03		W
558.7	.445E-03		RE	578.5	.218E-02		IN
558.8	.156E-03		LI	578.6	.932E-04		ZN

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ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
578.9	.498E-04		PD	597.1	.133E-03		FE
579.2	.250E-01		HG	597.3	.476E-02		IR
579.8	.978E-03		CU	597.6	.410E-02		RH
579.8	.788E-04		SB	600.3	.932E-03		ER
580.2	.255E-02		RH	601.6	.157E-03		SB
581.1	.708E-03		HF	601.8	.240E-03		PD
581.2	.626E-04		I	602.4	.318E-03		TA
581.7	.416E-03		MO	602.9	.368E-02		TE
582.2	.450E-04		F	604.1	.106E-03		I
582.5	1.000E-03		ER	604.4	.341E-02		TM
584.1	.496E-01		DY	606.7	.328E-04		Y
584.4	.179E 01		SM	607.5	.179E-03		OS
585.2	.335E-03		MG	608.1	.270E 00		GD
585.2	.163E-01		SC	608.3	.331E-04		BA
585.7	.163E-03		SR	608.3	.101E-01		IN
588.1	.803E-04		GA	608.3	.665E-05		SN
588.7	.562E-02		TM	608.4	.340E-04		MG
588.8	.324E-02		AG	608.6	.106E-02		GE
589.4	.462E-03		YB	608.6	.342E-04		F
589.6	.267E-02		ND	608.8	.835E-03		RE
589.9	.282E-02		CL	608.9	.289E-02		CU
590.6	.291E-03		I	609.0	.347E-03		MO
591.0	.254E-03		MO	609.4	.227E-03		TB
591.2	.543E-04		PD	609.6	.194E-03		I
591.7	.716E-04		RU	610.8	.259E-04		RU
592.9	.687E-03		LU	611.2	.189E-02		TM
593.0	.453E-03		TB	611.8	.895E-02		DY
593.2	.454E-04		BR	612.0	.965E-04		PR
594.6	.185E-04		TL	612.1	.201E-02		AU
594.6	.316E-02		CL	612.6	.308E-02		ER
594.8	.808E-04		K	613.1	.556E-02		RH
595.1	.332E-03		HO	613.5	.109E-02		HO
595.2	.159E-03		P	613.7	.625E-04		SB
595.6	.800E-04		ZN	613.9	.122E-01		SE
596.0	.790E-04		SR	614.2	.592E-03		I
596.0	.704E-02		GE	614.9	.959E-01		SM
596.1	.141E-03		AS	615.5	.168E-04		Y
596.1	.842E-05		ZR	616.1	.485E-02		PD
596.2	.340E-04		SI	616.8	.344E-02		ER
596.2	.281E-03		F	617.9	.243E-02		W
596.2	.390E-03		V	618.5	.513E-01		ND
596.4	.988E 00		GD	618.6	.344E-02		BR
596.6	.593E-03		TB	619.1	.281E-03		CU
596.6	.196E-01		DY	619.6	.212E-03		PR
596.6	.266E-03		TI	620.0	.410E-02		RH
				620.7	.112E-03		I
596.7	.240E-03		PT	620.7	.344E-02		ER
596.8	.141E-03		N	621.9	.380E-03		HO
596.8	.174E-03		NA	622.4	.930E-02		DY
596.9	.786E-02		AU	622.8	.207E-02		IN

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
625.1	.393E-03		LA	647.4	.422E-03		MO
626.0	.106E-02		AG	648.3	.142E-02		CS
626.2	.438E-04		I	648.4	.875E-03		CU
626.6	.549E-04		K	648.6	.206E-03		I
626.8	.634E-05		SN	648.8	.796E-04		AS
627.5	.738E-03		BA	648.8	.341E-01		DY
627.5	.168E-03		TL	649.5	.266E-03		TI
627.6	.150E-02		RE	650.0	.180E-02		TM
627.9	.226E-01		SC	650.3	.114E-03		SB
628.0	.284E-04		Y	650.9	.392E-03		SR
628.3	.872E-04		TB	651.0	.103E-02		GA
629.2	.702E-01		SM	651.3	.295E 01		CD
630.2	.807E-03		RE	652.7	.130E-04		SN
630.6	.779E-03		RU	655.3	.921E-03		HF
631.4	.479E-03		GA	656.0	.182E-04		SI
631.6	.356E-03		TA	657.2	.474E-03		LA
631.6	.216E-01		ER	657.2	.475E-03		W
631.9	.301E-03		SB	657.3	.843E-04		SB
632.0	.439E-03		PR	657.6	.119E-02		HO
634.0	.654E-02		DY	657.7	.118E-02		RH
634.0	.497E-02		OS	657.7	.106E-01		AG
634.0	.162E-02		AG	658.7	.200E-03		I
634.2	.581E-02		IN	659.4	.274E-02		TM
634.7	.121E-02		HO	659.9	.306E-03		GA
635.0	.644E-03		CS	659.9	.620E-02		DY
636.2	.495E-03		P	660.9	.588E-04		CA
636.2	.448E-02		YB	661.1	.538E-01		HG
636.4	.444E-03		I	661.7	.579E-04		PR
636.5	.515E-01		SM	662.2	.146E-02		RH
638.7	.831E-02		TM	662.3	.903E-03		CE
639.7	.442E-04		RB	662.6	.310E-04		Y
639.7	.699E-04		NB	662.9	.631E-03		CU
				665.4	.915E-04		TE
641.5	.127E-03		AS	666.0	.665E-05		SN
643.0	.212E-02		SC	666.5	.207E-04		SR
644.6	.546E-03		HO	666.5	.133E-04		RB
644.6	.179E-02		ER	666.9	.105E-03		TB
645.0	.193E-01		RH	668.0	.964E-05		ZR
645.1	.144E-03		I	668.0	.380E-04		SB
645.6	.259E-02		IN	668.1	.146E-03		LA
645.6	.469E-03		SE	668.3	.685E-04		NA
645.8	.753E-03		PR	669.1	.189E-03		OS
645.9	.696E-02		V	669.5	.974E-03		AU
646.1	.377E-03		TE	669.8	.148E-02		AG
646.4	.422E-03		MN	671.3	.803E-04		GA
646.7	.121E-03		OS	671.7	.585E-02		DY
646.8	1.000E-04		SB	673.2	.679E-04		PD
647.1	.436E-03		K	673.2	.347E-03		PT
647.3	.588E-04		PD	675.6	.484E 00		SM
647.3	.389E 00		GD	676.1	.976E-03		ND

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
678.1	.681E-04		TL	707.5	.290E 00		CD
678.7	.339E-04		MO	707.6	.639E-04		LI
679.3	.890E-03		ND	707.7	.911E-04		CA
682.1	.142E-03		K	708.0	.352E-04		BA
683.3	.218E-04		NB	708.2	.148E-02		TM
683.6	.234E-02		ND	708.5	.262E-03		TB
684.6	.950E-04		PD	708.6	.329E 00		GD
685.7	.854E-02		W	708.9	.105E-02		LA
686.2	.183E-03		PR	709.0	.239E-04		Y
687.1	.931E-03		RU	709.1	.118E-02		RH
688.9	.964E-02		DY	709.2	.298E-04		RB
689.9	.223E-03		OS	709.5	1.000E-03		AU
690.2	.380E-04		SB	710.0	.665E-05		SN
691.0	.266E-02		LU	710.3	.267E-03		GA
691.4	.196E-03		BR	711.0	.549E-04		RU
691.6	.270E 00		GD	712.1	.919E 00		SM
691.6	.299E-03		YB	712.4	.467E-03		V
691.7	.921E-03		HF	713.0	.297E-04		TE
691.7	.276E-02		GA	713.3	.720E-04		TL
691.9	.577E-02		IR	713.5	.285E 00		GD
692.1	.139E-02		FE	714.3	.211E-02		RE
692.9	.572E-04		TE	714.6	.119E-02		HO
693.0	.531E-04		MG	715.7	.681E-02		ER
693.1	.661E-04		NB	716.9	.821E-04		PR
693.2	.261E-04		SI	716.9	.528E-02		PD
693.7	.253E-03		I	717.8	.238E-02		IN
694.2	.127E-03		LA	719.0	.889E-02		ER
694.8	.655E-01		SM	719.3	.883E-03		AU
695.0	.258E-02		SE	719.4	.146E-03		BR
695.3	.723E-03		RE	719.9	.150E-02		MO
695.5	.524E-04		SR	720.4	.463E-02		TM
695.6	.191E-02		RH	721.7	.841E-03		CS
695.6	.880E-04		N	721.7	.555E-04		BR
696.3	.756E-04		CA	721.9	.873E-04		K
696.5	.347E-03		PT	722.2	.121E-02		LA
696.7	.134E 00		ND	722.2	.527E-02		SC
696.9	.153E-03		I	722.2	.154E-03		SB
697.1	.551E-02		DY	722.8	.647E-03		TE
698.4	.538E-03		V	723.1	1.000E-03		RH
699.1	.132E-02		BR	723.4	.335E-04		RU
699.8	.705E-03		PR	723.5	.598E-04		SR
700.5	.844E-03		AG	723.9	.532E-04		I
701.7	.303E-03		I	724.0	.478E-04		RB
702.0	.110E-02		AU	724.1	.367E-03		YB
702.7	.525E-02		HG	724.9	.834E 00		CD
703.9	.271E-03		PD	725.0	.169E-02		AG
704.2	.225E-02		TM	725.0	.334E-03		OS
706.5	.690E-04		P	726.6	.556E-03		RE
706.6	.904E-04		AS	726.9	.138E-03		CA
707.1	.585E-04		F	727.7	.135E-02		IN

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
730.6	.433E-01		ER	758.3	.319E-03		GA
731.3	.476E-05		ZR	759.8	.576E-04		MO
731.6	.390E-04		SR	760.6	.632E-01		SM
731.6	.101E-02		LU	760.8	.107E-04		SN
732.6	1.000E-04		BR	761.5	.598E-04		SB
732.7	.652E-04		BA	761.6	.124E-02		IN
732.8	.145E-04		SN	762.0	.109E-01		LU
734.2	.353E-04		SB	762.0	.110E-01		DY
735.6	.299E-03		TA	762.6	.240E 00		GD
735.8	.285E 00		GD	762.8	.271E-03		YB
735.9	.173E-03		LA	764.4	.751E-03		RE
736.0	.501E-04		I	765.0	.807E-04		TL
736.1	.225E-03		SE	765.8	.228E-04		TE
737.0	1.000E-04		RU	767.5	.625E-04		SB
737.0	.242E-03		TL	768.1	.317E-03		CU
737.1	.454E-03		MO	768.4	.438E-04		I
737.5	.217E 01		SM	768.9	.314E 00		GD
739.0	.860E-04		PD	770.6	.101E-01		K
740.9	.293E-01		ER	772.7	.857E-03		W
742.0	.128E-01		ND	772.7	.815E-04		PD
742.6	.314E 00		GD	773.4	.462E-04		SB
743.0	.173E-02		HF	774.1	.527E-02		SC
745.8	.125E-03		SB	775.9	.141E-03		OS
746.1	.128E-04		RB	776.2	.368E-04		NB
746.1	.504E-04		BR	776.9	.244E-02		Y
746.3	.219E-03		W	777.2	.317E-02		BR
746.4	.256E-03		I	777.5	.115E-02		ER
747.3	.391E-03		PR	778.4	.834E-02		MO
747.3	.290E 00		CD	779.4	.332E-02		ND
748.9	.374E 00		SM	779.8	.139E-03		PT
748.9	.260E-02		AG	780.3	.253E 01		GD
749.0	.670E-03		PD	781.1	.428E-03		NA
749.2	.355E-02		CR	783.4	.421E-01		SM
749.4	.212E-03		LA	785.8	.190E-01		CO
751.4	.246E-03		ZN	786.2	.244E-03		GA
751.5	.406E-04		NB	787.3	.354E-04		CE
752.0	.373E-04		CE	787.4	.620E-02		DY
752.4	.340E-04		SI	788.6	.584E-01		CL
753.2	.191E-02		RH	788.7	.320E-04		TE
753.5	.640E-03		RE	789.7	.120E-01		RH
754.6	.220E-01		DY	790.9	.125E-03		PR
				791.5	.103E-03		K
755.3	.293E-04		NB	792.4	.256E-03		W
755.5	.305E-04		MO	793.3	.158E-03		PD
755.9	.103E-02		SE	793.9	.180E-02		V
756.7	.565E-03		CS	794.5	.364E-04		ZN
758.1	.774E-03		AG	794.9	.499E-03		ND
758.1	.744E-04		AL	795.3	.117E-02		RE
758.2	.375E-03		TA	795.5	.179E-01		DY
758.2	.375E-03		TA	796.7	.246E-03		LA

ELEMENT	NAME	PHOTONS	GM N/CM2	ENERGY	KEV
GE		.209E-03	830.2	830.2	830.2
AL		.886E-04	830.3	830.3	830.3
CL		.113E-02	830.8	830.8	830.8
SM		.339E 00	832.1	832.1	832.1
HF		.141E-02	832.4	832.4	832.4
RH		.164E-02	833.7	833.7	833.7
RE		.445E-03	834.1	834.1	834.1
GA		.155E-02	834.5	834.5	834.5
NA		.144E-03	834.7	834.7	834.7
TB		.872E-04	834.7	834.7	834.7
ZN		.262E-03	834.8	834.8	834.8
CR		.863E-02	835.1	835.1	835.1
TA		.216E-03	835.2	835.2	835.2
TA		.216E-03	835.2	835.2	835.2
SC		.157E-02	835.4	835.4	835.4
RU		.457E-04	835.6	835.6	835.6
NB		.139E-03	835.7	835.7	835.7
NA		.130E-03	836.1	836.1	836.1
AU		.134E-02	836.1	836.1	836.1
CA		.769E-04	836.6	836.6	836.6
PD		.185E-03	838.4	838.4	838.4
CD		.950E-01	838.9	838.9	838.9
LU		.124E-02	839.9	839.9	839.9
W		.732E-03	839.9	839.9	839.9
I		.501E-04	840.5	840.5	840.5
S		.522E-02	841.1	841.1	841.1
EU		.278E 00	841.4	841.4	841.4
K		.381E-03	843.3	843.3	843.3
ZR		.278E-04	844.1	844.1	844.1
RH		.328E-02	844.9	844.9	844.9
OS		.155E-03	845.5	845.5	845.5
V		.221E-02	846.1	846.1	846.1
NI		.552E-03	846.9	846.9	846.9
MN		.226E-01	847.0	847.0	847.0
PD		.566E-03	847.4	847.4	847.4
IN		.176E-02	848.0	848.0	848.0
AS		.105E-03	848.1	848.1	848.1
PR		.724E-04	848.6	848.6	848.6
MO		.296E-02	849.0	849.0	849.0
RU		.488E-04	849.2	849.2	849.2
SR		.106E-02	850.4	850.4	850.4
TB		.244E-03	850.7	850.7	850.7
HG		.882E-02	851.6	851.6	851.6
GD		.314E 00	852.9	852.9	852.9
BE		.161E-03	853.5	853.5	853.5
ER		.240E-01	853.5	853.5	853.5
TM		.377E-02	854.2	854.2	854.2
TL		.233E-04	854.9	854.9	854.9
RH		.164E-02	855.1	855.1	855.1
YB		.516E-03	855.2	855.2	855.2

  

ELEMENT	NAME	PHOTONS	GM N/CM2	ENERGY	KEV
CE		.376E-04	798.5	798.5	798.5
CS		.473E-03	798.6	798.6	798.6
ER		.752E-02	798.6	798.6	798.6
NA		.355E-03	799.9	799.9	799.9
HO		.522E-03	802.5	802.5	802.5
PR		.289E-03	803.0	803.0	803.0
LA		.227E-03	803.2	803.2	803.2
TL		.272E-04	803.7	803.7	803.7
PD		.480E-03	805.0	805.0	805.0
CD		.989E 00	806.0	806.0	806.0
ZN		.235E-03	806.5	806.5	806.5
F		.453E-04	806.9	806.9	806.9
CE		.294E-04	807.2	807.2	807.2
SB		.103E-03	807.4	807.4	807.4
DY		.341E-01	807.6	807.6	807.6
SC		.527E-02	808.1	808.1	808.1
YB		.299E-02	809.3	809.3	809.3
PD		.149E-03	810.3	810.3	810.3
FE		.249E-03	810.6	810.6	810.6
GA		.218E-03	811.5	811.5	811.5
SB		.435E-04	811.8	811.8	811.8
MO		.966E-04	811.9	811.9	811.9
HF		.921E-03	812.8	812.8	812.8
NB		.180E-04	813.2	813.2	813.2
ND		.192E-01	814.5	814.5	814.5
TM		.112E-02	814.8	814.8	814.8
LA		.154E-03	815.2	815.2	815.2
W		.406E-03	815.6	815.6	815.6
PD		.117E-03	815.8	815.8	815.8
ER		.188E 00	816.1	816.1	816.1
BR		.489E-03	816.6	816.6	816.6
TB		.122E-03	817.5	817.5	817.5
SE		.901E-03	817.8	817.8	817.8
BA		.507E-03	818.7	818.7	818.7
RH		.420E-02	819.2	819.2	819.2
IN		.287E-01	819.3	819.3	819.3
SN		.887E-05	819.9	819.9	819.9
TL		.340E-04	819.9	819.9	819.9
ZR		.561E-05	821.2	821.2	821.2
AS		.170E-03	821.4	821.4	821.4
SB		.489E-04	822.5	822.5	822.5
YB		.339E-03	822.9	822.9	822.9
RU		.213E-03	822.9	822.9	822.9
V		.267E-02	823.5	823.5	823.5
CD		.141E 00	826.6	826.6	826.6
K		.116E-03	827.7	827.7	827.7
TE		.320E-04	828.6	828.6	828.6
BR		.157E-02	828.7	828.7	828.7
OS		.872E-03	828.7	828.7	828.7
ER		.186E-01	829.6	829.6	829.6



ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
856.0	.783E-04		I	883.3	.871E-01		DY
856.4	.149E-04		RB	886.0	.612E-02		IN
858.9	.207E-01		EU	886.3	.296E-01		HG
860.0	.124E 00		SM	886.9	.325E-03		OS
860.3	.263E-02		SC	886.9	.273E-02		SE
862.2	.337E-02		ER	888.6	.421E-02		SC D
863.1	.127E-01		DY	888.8	.751E-04		I
863.1	.126E-03		BR	891.1	.229E-03		K
863.3	.155E-02		RH	891.5	.769E-03		W
863.6	.516E-04		ZN	894.4	.688E-03		HO
864.6	.191E-01		ND	895.4	.137E-03		GA D
865.6	.372E-04		MO	895.8	.114E-03		NB
865.6	.106E-03		PR	896.4	.985E-03		AG
865.8	.742E-04		N	896.8	.489E-04		SB
866.9	.858E-04		BR				
866.9	.787E-03		YB	897.5	.422E 01		GD
867.0	.584E-03		RE	897.9	.246E-02		SR
867.0	.788E-04		SB	898.2	.486E-03		FE
867.2	.101E-03		CA	898.4	.192E-03		TB D
867.3	.509E 00		GD	899.1	.111E-03		BR
867.4	.617E-03		HO	899.2	.180E-04		RB
867.5	.636E-03		LA	899.2	.166E-03		I
868.0	.225E-01		EU	899.4	.127E-02		RH
868.1	.384E-02		GE	899.9	.157E-02		SC
868.2	1.000E-04		F	899.9	.262E-03		OS
868.2	.578E-04		BA	900.0	.561E-01		SM
868.4	.527E-04		ZN	901.2	.357E-02		CO
868.8	.378E-02		AU	902.8	.842E-05		ZR
868.9	.299E-04		SR	903.6	.105E-03		TB
869.0	.824E-04		P	903.8	.126E-03		PD
869.1	.839E-04		LI	903.8	.777E-04		GA
869.2	.526E-03		CS	908.6	.438E-04		I
869.3	.200E-03		GA	910.0	.381E-03		TA
869.4	.101E-04		SN	910.2	.137E-03		ZN
869.9	.250E 00		SM	911.1	.253E-03		TL
870.0	.509E-03		TI	911.4	.333E-03		BR
870.6	.355E-02		NA	911.8	.661E-04		NB
870.7	.180E-04		NB D	912.0	.138E-04		RB D
872.7	.159E-03		RB	912.1	.968E-01		DY
873.1	.259E-03		TL	913.2	.420E-04		ZR
875.6	.124E-02		IN	914.5	.996E-04		PD
877.0	.151E-02		LU	914.5	.259E-01		ER
877.9	.201E-02		NI	914.7	.445E-03		RE
878.0	.105E-03		TB D	915.2	.270E-02		IN
878.1	.416E-03		CU	915.3	.480E-04		P
878.2	.143E-02		AU				
879.8	.699E-04		NB	915.8	.136E-02		RH
880.6	.148E-02		AG	916.4	.156E 01		GD
880.9	.216E-03		LA	918.0	.105E-02		LU
881.6	.699E-04		NB	920.0	.724E-04		PR

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
920.8	.706E-04		BR	961.1	.109E-02		GE
921.1	.223E-03		FE	961.4	.240E-03		CU
921.1	.383E-03		SB	961.8	.461E 01		GD
922.5	.772E-01		SM				
923.0	.905E-04		K	962.6	.331E-03		TB D
923.5	.620E-01		CD	963.8	.221E 00		EU D
925.2	.529E-03		RE D	964.1	.144E-04		RB
927.5	.605E-04		BR	964.4	.870E-03		LU
929.8	.439E-02		CO	965.0	.330E-02		ER
930.2	.533E-03		OS	967.0	.244E-02		HF
930.6	.193E-01		DY	967.0	.578E-03		CS
930.6	.101E-04		SN	968.1	.157E-03		MO
931.1	.745E-02		ER	969.8	.678E-01		SM
931.7	.219E-02		RH	970.1	.469E-04		I
932.5	.671E-04		TL	971.3	.209E-02		HF
933.1	.501E-04		I	973.2	.386E-04		SN
933.2	.537E-04		ZN	973.3	.305E-04		BA
933.6	.203E-03		TA	973.6	.145E-02		IN
934.5	.473E-03		ZR	976.1	.139E-03		TB D
935.0	.565E-03		CS	976.2	.691E-04		MG
935.4	.585E-01		SM	976.3	.244E-02		HF
938.9	.457E-04		RU	976.6	.216E-03		TA
939.2	.276E-03		GE	976.8	.202E 01		GD
940.5	.169E-02		LU				
941.8	.448E-03		YB	977.6	.285E-03		LA
942.1	.821E-04		PR	979.2	.496E-01		DY
943.0	.139E-02		TM	979.5	.181E-03		W
943.5	.605E-04		BR	980.1	.879E-04		CA
943.7	.635E 01		GD	980.7	.914E-04		LI
943.8	.138E-04		RB	980.7	.390E-02		ND
944.6	.461E-04		P	981.7	.375E-04		I
				981.9	.123E-04		RB
944.9	.753E-02		CO	982.0	.641E-03		HO
944.9	.155E-02		AU	983.2	.197E-02		TI
945.5	.262E-03		TB	983.4	.205E-03		AL
945.9	.143E-03		NB	983.7	.938E-04		K
946.4	.157E-02		SC	986.3	.270E 00		GD
947.1	.854E-03		HO	986.8	.269E-02		HF
948.2	.281E-03		SE	987.7	.499E-03		OS
950.1	.817E-04		TL	988.6	.473E-03		RE
951.1	.566E-02		RH	988.6	.144E-03		CR
951.2	.176E-03		BR	989.7	.872E-04		TB
952.2	.671E-05		ZR	990.3	.167E-04		ZR
953.6	.179E-02		ER	990.4	.300E-03		LA
954.2	.124E-02		LU	991.4	.328E-03		PR
956.4	.313E-03		PR	992.1	.188E-03		SE
957.8	.443E-04		NB	994.4	.145E 00		CD
958.5	.815E-04		PD	997.3	.139E-03		TB
959.9	.120E-04		SN	997.5	.108E-02		TM
960.7	.324E-04		SR	999.3	.933E-04		GA

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
999.5	.797E-03		GE	1043.7	.989E-03		BR D
999.6	.412E-04		TE	1044.5	.339E-04		MO
1000.1	.317E 01		GD	1046.4	.120E-03		RU
1002.2	.491E-03		V	1046.9	.160E-02		LU
1003.8	.138E-03		NA	1047.2	.678E-04		BA
1004.2	.139E-04		SN	1047.5	.615E 00		SM
1004.2	.497E-03		SE	1047.9	.419E-02		PD
1004.6	.259E-01		EU	1048.2	.202E-03		PT
1006.6	.478E-03		PR	1048.6	.114E-04		SN
1007.6	.297E-03		ZN	1051.4	.689E 00		GD
1007.9	.145E-02		IN	1051.4	.331E-03		LA
1008.1	.146E-02		RH	1052.3	.146E-02		RH
1008.8	.688E-03		HO	1053.1	.213E-03		OS
1008.9	.193E-02		TM	1054.2	.443E-04		NB
1008.9	.501E-04		I	1054.7	.572E-04		TE
1013.8	.110E-02		LU	1058.4	.315E-02		SC
1014.0	.797E-04		AL	1058.8	.292E-04		Y
1014.5	.212E-02		SC	1059.9	.293E-01		DY
1017.1	.826E-02		DY D	1062.2	.122E-03		TB
1017.3	.184E-02		ND	1064.1	.197E-02		LU
1018.9	.647E-03		FE	1064.5	.233E-02		HF
1019.6	.269E-03		SB	1065.5	.569E 00		GD
1020.4	.116E-02		HF	1067.3	.115E-03		PR
1020.4	.164E-02		CL	1067.8	.166E-02		IN
1021.3	.868E-04		AS	1067.8	.300E-03		W
1021.3	.271E-03		PD	1069.5	.951E-05		SN
1021.4	.783E-03		LA	1069.6	.532E-04		I
1021.6	.197E-03		TA	1070.6	.348E-03		P
1021.8	.285E 00		GD	1071.5	.207E-01		DY
1022.8	.314E-02		TM	1072.7	.360E-04		TL
1023.2	.445E-04		ZN	1073.6	.469E-04		I
1023.4	.263E-04		TL	1073.7	.134E-02		YB
1024.0	.861E-02		DY	1077.2	.560E-02		IN
1024.1	.322E-04		MO D	1077.5	.217E-02		ZN
1024.2	.188E-03		PR	1080.3	.102E-01		HF
1024.4	.193E-02		ER	1082.1	.201E-03		BR
1026.9	.475E-03		W	1082.6	.325E-03		W
1030.6	.672E-03		ND	1084.4	.369E-02		SC
1030.8	.202E-03		RB	1086.3	.307E-03		K
1032.4	.557E-04		P	1086.6	.172E-03		PD
1037.7	.394E-03		YB	1087.3	.179E-02		LU
1038.7	.539E 00		GD	1089.5	.369E-02		SC
1038.9	.613E-03		CU D	1091.0	.745E-03		MO
1040.2	.142E-04		SN	1091.8	.252E-03		PT
1040.9	.225E-02		TM	1093.1	.380E-03		YB
1040.9	.253E-04		TL	1093.6	.172E-02		ER
1041.5	.122E-03		TB D	1093.6	.827E-04		TL
1041.6	.219E-02		RH	1093.8	.151E-01		DY
1042.3	.570E-03		HO	1095.0	1.000E-04		SB
1043.7	.113E-03		FE	1095.4	.394E-03		YB

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
1096.1	.166E	01	GD	1140.6	.376E-03	GA	
1097.0	.126E	00	IN	1140.7	.114E	01	GD
1097.2	.343E-03		V	1142.1	.258E-02	HF	
1099.1	.941E-04		AS	1145.1	.268E-04	BA	
1100.2	.860E-03		LA	1145.6	.563E-03	SE	
1100.6	.189E-02		GE	1146.4	.201E-02	ER	
1101.4	.380E-01		EU	1147.2	.961E-02	HG	
1102.2	.164E-02		AU	1147.2	.116E-03	BR	
1102.8	.864E-02		HF	1149.3	.720E-04	I	
1103.5	.285E-03		RU	1149.5	.101E-03	PR	
1104.9	.612E-04		RB	1150.8	.141E-02	HF	
1106.3	.548E-04		NB	1151.2	.144E-03	CR	
1106.6	.122E-03		TB	1151.3	.278E-04	SI	
				*-1154.9	.807E-04	TL	
1106.9	.122E-03		MO	1158.1	.374E	00	GD
1107.0	.220E	01	GD	1159.0	.190E-02	K	
1107.6	.186E-02		ER	1159.3	.192E-03	TB	
1107.9	.656E-04		BR	1159.6	.328E-03	CU	
1109.8	.114E-01		DY	1162.1	.133E-04	RB	
1110.3	.506E-04		TL	1162.3	.863E-03	SE	
1116.8	1.000E-03		YB	1163.7	.728E-04	MO	
1117.3	.244E-03		TB	1165.2	.421E-02	SC	
1118.2	.195E	01	GD	1165.4	.615E-01	CL	
				1166.4	.473E-03	RE	
1119.4	.406E-04		NB	1166.4	.220E-02	LU	
1120.8	.566E-03		TA	1166.9	.141E-02	HF	
1121.4	.593E-04		TL	1167.2	.502E-03	YB	
1121.6	.744E-03		TI	1169.7	.103E	01	SM
1122.4	.684E-02		SC	1171.3	.254E-03	SN	
1123.0	.819E-01		SM	1173.6	.158E-03	GA	
1125.9	.110E-03		ZN	1174.0	.692E-02	IR	
1127.2	.165E-02		ER	1175.4	.712E-02	HF	
1127.4	.220E-01		DY	1175.7	.354E-03	OS	
1127.5	.182E-02		PD	1176.4	.141E-02	AG	
1129.4	.111E-03		MG	1177.9	.193E-03	PR	
1129.9	.638E-03		YB	1182.3	.105E-02	LU	
1129.9	.511E-04		NB	1183.7	.154E-04	RB	
1130.1	.897E-04		SB	1184.2	.173E-02	HF	
1132.0	.346E-01		EU	1184.3	.200E-03	W	
1132.2	.505E-04		ZR	1185.4	.888E	01	GD
1132.3	.412E-02		CL	1186.0	.384E-03	TB	D
1135.6	.212E-02		SC				
1138.1	.284E-02		ND	1187.2	.272E-03	SE	
1138.6	.390E-03		CU	1188.6	.525E-04	MO	D
1139.5	.144E-04		RB	1188.7	.586E-04	NB	
1139.9	.532E-04		I	1189.0	.547E-03	NI	
1139.9	.172E-03		FE	1194.4	.611E	00	SM
1140.0	.831E-03		MN	1199.1	.233E-02	BR	
1140.2	.191E-02		RH	1203.4	.182E-03	TL	
1140.5	.148E-02		TM	1206.4	.168E-01	HF	
* 1155.6	.872E-04		CA				

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
1208.1	.605E-03		CS	1267.4	.305E-03		OS
1209.4	.768E 00		CD	1268.7	.333E-03		K
1212.2	.105E-03		Y	1268.8	.304E-02		HF
1215.7	.141E-02		HF	1271.4	.263E-02		SC
1216.3	.624E-03		YB	1272.9	.461E-03		V
1218.0	.658E-04		CE	1273.2	.420E-03		SI
1218.1	.130E-03		PR	1273.5	.159E-03		PR
1218.6	.187E-03		SR	1273.8	.108E-01		HG
1221.4	.269E-01		DY	1274.7	.238E-01		DY
1223.9	.207E-02		AU	1276.6	.818E-03		LA
1225.6	.233E-01		HG	1277.2	.167E-01		ER
1226.8	.212E-03		NI	1278.5	.139E-04		SN
1227.1	.814E-04		I	1283.5	.376E 00		CD
1228.0	.315E-02		SC	1287.5	.193E-02		ND
1228.9	.141E-01		HF	1290.6	.139E-03		TB
1229.5	.221E-03		SN	1291.6	.134E-01		DY
1229.5	.315E-02		ER	1291.9	.209E-02		HF
1229.6	.728E-04		MO	1292.0	.925E-04		SB
1230.9	.368E-04		NB	1292.1	.124E-02		LU
1231.2	.198E-03		PR	1293.0	.875E-04		TL
1235.1	.115E-03		TL	1293.3	.414E-03		SN
1235.2	.326E-04		BA	1293.3	.618E-04		ZN
1237.2	.156E-02		LU	1293.4	.186E 00		IN
1237.9	.330E-04		NB	1293.8	.187E-03		W
1239.0	.706E-03		YB	1293.8	.479E 00		GD
1239.8	.413E-03		SE	1294.0	.312E-04		SI
1245.8	.155E-02		IN	1296.8	.788E-03		SE
1245.9	.270E-03		BA	1298.7	.678E-01		SM
1246.0	.250E-02		AU	1300.9	.790E-02		CS
1246.6	.106E-03		SB	1301.4	.549E-04		RU
1246.9	.129E 00		SM	1301.6	.717E-03		NI
1247.1	.740E-03		K	1302.6	.312E 00		CD
1248.5	.106E-03		PR	1303.4	.478E-03		K
1248.8	.186E-03		BR	1304.6	.848E-04		RB
1250.8	.110E-04		SN	1306.4	.169E-02		LU
1251.3	.191E-02		RH	1307.4	.321E-04		TL
1252.0	.243E-03		LA	1308.3	.470E-03		LA
1253.5	.670E-02		HG	1309.0	.135E-02		SE
1255.7	.621E-03		V	1309.2	.842E-01		SM
1257.7	.162E-01		DY	1309.6	.538E-02		HF
1259.9	.239E-03		LA	1309.7	.308E-02		ER
1260.5	.672E-03		FE	1311.6	.228E-02		IN
1260.8	.117E-03		PD	1314.9	.328E-01		EU
1261.2	.497E-04		C	1317.7	.266E-03		MO
1261.5	.269E 00		SM	1318.1	.133E-02		BR
1261.5	.195E-03		ZN	1318.3	.236E-03		PR
1262.5	.174E 01		GD	1321.4	.635E-04		P
1262.8	.254E-01		HG				
				1322.6	.208E-02		ER
1265.9	.593E-04		MO	1322.8	.263E-02		SC

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ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
1324.0	.151E-02		LU	1390.6	.625E-04		SB
1324.1	.392E-03		OS	1392.8	.293E-04		NB
1324.2	.232E 01		GD	1392.9	.416E-02		ER
1324.6	.285E 00		SM	1394.0	.380E-01		EU D
1326.0	.961E-04		TE	1394.8	.449E 00		GD
1327.5	.344E-02		CL	1396.7	.552E-03		PD
1328.2	.101E-03		PR	1397.0	.627E-04		MO
1328.3	.449E-01		EU D	1399.3	.673E 00		CD
1328.6	.482E-03		LA	1400.2	.662E-03		V
1330.7	.325E-02		HF	1400.2	.142E-02		LU
1332.2	.388E-04		SI	1401.1	.141E-03		BR
1334.7	.684E-02		SC	1401.6	.248E-03		TA
1340.3	.244E-03		ZN	1401.7	.110E-02		MN
1340.5	.167E-02		ND	1402.0	.318E-03		SB
1345.5	.307E-03		NA	1402.4	.191E-02		RH
1348.8	.298E-03		PD	1403.7	.443E-04		NB
1348.9	.519E 00		SM	1404.2	.740E-04		RB
1349.5	.949E-02		HG	1404.7	.108E-03		ZR
1350.9	.539E 00		GD	1407.7	.155E-01		HG
1351.2	.795E-02		ER	1411.9	.310E-03		SE
1356.0	.139E-03		K	1412.3	.167E-02		AU
1358.0	.291E-03		FE	1413.1	.571E-03		P
1358.4	.332E-03		PT	1413.5	.675E-02		ND
1358.5	.416E-03		S	1414.2	.250E-03		W
1358.7	.136E-02		V	1415.0	.351E-02		ER
1360.0	.866E-04		TL	1416.8	.122E-03		PD
1360.3	.908E-04		I	1417.1	.621E-04		Y
1362.3	.179E-03		RU	1417.6	.330E-04		NB
1364.2	.105E 01		CD	1418.3	.283E-03		TE
1365.7	.998E-04		SR	1419.6	.561E-01		SM
1365.7	.211E-02		LU	1421.3	.421E-02		HF
1369.0	.889E-03		NA D	1422.6	.158E-03		PD
1369.2	.989E-05		ZR	1424.1	.171E-02		AU
1369.9	.172E-03		Y	1424.5	.198E-02		TM
1372.9	.434E 00		GD	1432.2	.112E-03		I
1373.4	.465E-03		K	1433.3	.114E 00		CD
1375.6	.556E-03		RE	1433.9	.409E-01		V D
1376.1	.912E-01		SM	1433.9	.190E-03		PD
1376.4	.336E-02		ND	1435.5	.515E-03		BA
1376.7	.414E-02		CS	1436.0	.111E-03		OS
1378.0	.307E-03		SB	1436.5	.652E-04		SB
1378.5	.516E-03		YB	1436.8	.130E-03		CE
1378.6	.751E-03		RE	1437.0	.125E-02		TE
1379.1	.219E-02		RH	1438.2	.287E-03		W
1380.6	.805E-04		P	1438.8	.207E-02		IN
1381.4	.498E-01		TI	1440.2	.162E-02		TM
1382.4	.706E-04		SR	1440.3	.613E-04		TL
1383.6	.403E-03		SE	1440.9	.644E-04		MO
1385.7	.250E-03		W	1442.6	.185E-02		TB
1388.3	.142E-03		CA	1449.8	.749E-01		SM
1388.6	.550E-04		RB				

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
1452.0	.161E-03		BR	1543.0	.796E-04		MO
1454.3	.104E-03		CE	1545.9	.111E-03		ZN
1454.6	.259E-02		AU	1546.4	.242E-03		AS
1455.3	.910E-03		YB	1548.5	.368E-04		NB
1457.3	.542E-04		MO	1549.5	.765E-02		SC
1459.6	.739E-04		TL	1552.0	.308E-03		LA
1463.3	.144E-03		PR	1552.1	.923E-03		GA
1464.7	.113E-03		K	1552.5	.185E-03		SB
1464.8	.178E-04		ZR	1552.9	.387E-02		ER
1465.9	.781E-03		AS	1553.3	.105E 00		SM
1467.1	.144E-01		HG	1553.7	.542E-04		MO D
1469.9	.647E-04		BA	1554.2	.752E-03		TI
1471.3	.472E-03		GE	1554.8	.884E 00		GD
1474.7	.651E-03		BR D	1557.4	.184E-03		RU
1477.5	.307E-03		SB	1558.4	.269E-02		V
1477.8	.365E-02		RH	1558.7	.156E-02		ND
1478.0	.145E-03		TL	1559.3	.576E-04		Y
1478.8	.297E-03		K	1561.7	.674E-03		TM
1482.0	.388E-02		ND	1564.1	.630E-03		K
1482.7	.153E-03		PD	1564.3	.598E-04		SR
1484.5	.415E-01		EU	1565.9	.218E-02		AG
1485.3	.103E 00		SM	1567.3	.225E-03		I
1486.4	.648E-04		RB	1567.7	.196E-02		CS
1487.1	.120E-02		TE	1568.3	.128E-02		AU
1489.3	.129E-03		K	1570.3	.441E-01		HG
1489.4	.395E 00		CD	1572.2	.177E-02		PD
1491.3	.492E-03		PT	1572.7	.813E-02		SC
1492.0	.252E-03		GE	1573.9	.105E-03		BA
1497.0	.338E-03		BR	1575.5	.545E-04		RB
1497.5	.467E-03		MO	1575.8	.584E-03		TM
1498.3	.284E-02		TI	1576.6	.819E-01		SM
1498.8	.306E-03		W	1576.9	.185E-03		SB
1499.7	.144E-03		PD	1577.7	.478E-03		PR D
1503.6	.153E-02		TM	1577.9	.258E-04		ZR
1506.3	.202E-04		SN	1578.7	.503E-03		TE
1507.5	.189E-01		IN D	1581.4	.406E-03		W
1510.6	.382E-03		GE	1582.4	.300E-03		AS
1514.4	.702E-01		SM	1583.2	.914E-04		TL
1514.6	.149E-02		ND	1583.4	.301E-02		IN
1515.6	.110E-01		CO	1583.7	.331E-02		AG
1516.3	.647E-04		BA	1585.0	.943E-03		TM
1518.9	.176E-03		BR	1585.2	.478E-03		CR
1522.1	.701E-04		RU	1586.0	.650E-02		TI
1523.6	.714E-03		K D	1587.2	.365E-04		RB
1525.8	.212E-03		PD	1588.4	.828E-03		YB
1526.1	.856E-04		TL	1590.8	.415E-01		EU
1526.9	.330E-04		NB	1591.6	.161E-01		IR
1531.0	.274E-02		AU	1592.7	.796E-04		MO
1535.1	.142E-03		SR	1594.5	.145E-03		ZN
1542.7	.290E-02		HF	1595.3	.168E-02		GA D

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
1595.5	.238E-02		IN	1654.1	.978E-04		PT
1596.2	.586E-02		LA	1654.4	.410E-04		BA
1596.4	.746E-04		CE	1656.1	.662E-03		TB
1597.8	.113E-02		S	1657.8	.203E-03		PD
1598.9	.838E-04		RU	1658.3	.404E 00		GD
1600.6	.244E-01		CL	1658.6	.501E-01		EU
1601.2	.215E-03		GE	1658.6	.809E-03		TM
1601.3	.389E-04		TL				
1607.9	.128E-02		AU	1659.2	.183E-03		TE
1613.0	.165E-02		FE	1660.4	.334E-04		RB
1616.9	.292E-03		TA	1660.7	.316E 00		CD
1617.0	.198E-02		V	1660.9	.161E-03		K
1617.5	.255E-02		K	1661.9	.790E-04		SR
1623.1	.168E-03		AL	1664.2	.120E-02		V
1623.7	.310E-03		SE	1666.9	.104E-04		SN
1627.2	.121E-03		BR	1667.3	.320E-02		AG
1627.8	.468E-03		RU	1668.0	.494E-03		TM
1628.6	.854E-03		CS	1668.8	.480E-04		FE
1628.6	.105E-03		MO	1668.9	.202E-02		SC
1629.1	.530E-02		ER	1669.0	.431E-04		BA
1629.8	.202E-03		PT	1669.3	.238E-02		IN
1629.9	.114E-03		P	1671.7	.125E-03		CA
1630.7	.266E-03		LA	1672.4	.423E-03		CU
1631.0	.166E-04		ZR	1672.4	.523E-02		ND
1631.1	.328E-01		EU	1673.3	.196E-03		ZN
1631.1	.103E-03		SB	1674.0	.123E-03		TE
1631.4	.293E-03		AS	1674.1	.144E-03		P
1631.7	.174E-04		SN	1674.7	.768E-04		TL
1631.7	.313E-03		F	1675.1	.124E-02		YB
1631.7	.576E-04		RB	1675.8	.384E-02		CL
1631.8	.513E-03		W	1676.5	.277E-03		LA
1632.1	.994E-04		BA	1676.6	.340E-03		AS
1632.8	.721E-04		MG	1676.8	.370E-03		PT
1633.5	.557E-03		YB	1676.9	.615E-04		SR
1634.0	.415E-03		GE	1678.3	.828E-03		CS
1634.4	.120E-02		NA	1678.6	.195E-03		N
1635.2	.572E-03		NA	1679.1	.218E-04		NB
1639.5	.815E-04		CE	1680.6	.505E-04		Y
				1683.8	.323E-03		PR
1644.0	.163E-03		PD	1686.3	.620E-01		CD
1645.1	.948E-04		PT	1687.6	.482E-04		SR
1648.3	.133E-04		SN	1688.2	.960E-04		P
1648.4	.199E-02		SC	1688.7	.445E-01		SM
1649.2	.911E-04		CA	1688.9	.268E-02		CO
1649.3	.423E-04		MO	1689.0	.662E-03		TB
1649.4	.573E-02		ER	1689.6	.165E-04		TL
1649.5	.401E-03		TA	1690.1	.102E-03		MG
1650.4	.108E-03		RU	1691.2	.181E-03		BR
1651.9	.766E-04		F	1691.3	.918E-04		CA
1652.2	.539E-03		TM	1691.3	.455E-03		TE



ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
1691.6	.974E-03		AU	1726.9	.291E-04		SN
1692.0	.112E-01		SC	1726.9	.368E-03		NI
1693.0	.436E-04		BA	1727.9	.346E-01		EU
1693.2	.452E-04		Y	1728.0	.141E-03		BR
1693.3	.961E-01		HG	1730.4	.138E-03		SB
1693.3	.203E-03		AS	1730.6	.697E-03		CS
1693.9	.638E-03		V	1731.0	.186E-02		ER
1694.8	.402E-03		CR	1731.2	.908E-04		I
1695.9	.181E-03		PD	1734.2	.158E-03		P
1695.9	.133E-03		PT	1735.1	.354E-03		LA
1700.8	.221E-03		RU	1735.3	.584E-03		TM
1701.5	.183E-02		CO	1735.4	.303E-01		DY
1701.8	.897E-04		SB	1736.9	.119E-02		AU
1702.0	.122E-03		MO	1737.7	.160E-03		PT
1702.8	.130E-03		PR	1738.2	.482E-04		SR
1703.4	.611E-03		K	1738.4	.110E-02		LU
1703.7	.892E-04		CA	1741.2	.691E-04		TL
1703.8	.217E-03		BR	1741.3	.763E-04		Y
1705.4	.174E-02		MN	1743.2	.128E-03		TE
1706.7	.231E-02		SC	1744.8	.372E-03		CU
1708.4	.505E-04		BA	1745.5	.109E-03		ZN
1709.1	.103E-03		CE	1745.8	.819E-03		TB
1713.2	.353E-03		PT	1746.4	.717E-01		CD
1713.9	.415E-01		EU	1747.0	.415E-02		MN
1714.0	.462E-04		MG	1747.4	.158E-04		SN
1714.4	.231E-02		SE	1748.9	.339E-03		NA
1714.6	.205E-04		RB	1749.0	.158E-03		F
1716.6	.475E-03		YB	1750.0	.127E-02		AG
1718.3	.515E-01		SM	1750.0	.395E-04		MG
1718.4	.172E-04		ZR	1751.4	.287E-03		BR
1718.4	.293E-03		SR	1752.8	.146E-01		IN
1718.7	.341E-01		HG	1753.3	.749E-03		CS
1718.8	.357E-04		BA	1754.4	.939E-04		I
1718.9	.756E-04		F	1754.5	.199E-02		SC
1720.5	.689E-03		TE	1755.4	.745E-04		Y
1720.6	.506E-02		HF	1755.8	.165E-04		TL
1722.1	.182E-01		DY	1757.5	.104E-02		HO
1722.2	.711E-04		GE	1759.0	.110E-03		FE
1722.3	.541E-04		Y	1760.1	.639E-04		P
1722.7	.237E-03		BR	1760.2	.327E-01		DY
1723.2	.110E-02		LU	1760.9	.449E-03		TM
1723.8	.148E-02		AG	1761.0	.950E-01		CD
1724.0	.135E-03		CA	1761.3	.210E-04		NB
1724.5	.112E-03		NB	1761.6	.601E-02		TI
1724.8	.227E-02		FE	1762.0	.864E-04		MO
1725.3	.388E-03		TA	1762.2	.181E-03		PD
1725.4	.641E-03		HO	1764.4	.573E-02		ER
1725.4	.355E-03		AS	1768.0	.155E-03		TE
1725.7	.463E-03		W	1771.5	.328E-03		SE
1726.6	.988E-04		CE	1772.1	.103E-03		SB

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
1774.1	.449E-03		TM	1806.8	.108E-03		LA
1774.2	.148E-02		CO	1807.7	.972E-03		CS
1774.3	.423E-04		MO	1808.1	.104E-03		GE
1774.4	.540E-04		SR	1808.1	.301E-04		TL
1775.1	.124E-02		LU	1808.5	.285E-03		PD
1776.5	.807E-03		HO	1808.9	.393E-03		MG
1776.5	.130E-03		FE	1810.0	.575E-03		TB
1776.7	.236E-04		BA	1810.1	.142E-03		CE
1777.8	.317E-02		V	1810.4	.521E-01		MN D
1778.0	.558E-03		TB	1811.1	1.000E-04		I
1778.4	.258E-03		LA	1811.8	.149E-04		SN
1778.5	.462E-02		AL D	1812.2	.181E-03		AS
1779.2	.204E-04		TL	1812.2	.861E-04		ZN
				1812.2	.116E-02		AG
1781.1	.646E-04		F	1812.3	.407E-03		YB
1781.1	.971E-04		I	1812.6	.147E-03		RU
1781.8	.951E-05		SN	1812.8	.366E-02		SC
1781.8	.308E-04		RB	1814.4	.260E-03		Y
1781.8	.374E 00		GD	1816.0	.869E-04		TE
1783.8	.195E-02		CR	1816.6	.335E-03		NI
1784.5	.218E-04		NB	1818.8	.165E-04		NB
1784.6	.155E-03		TE	1820.0	.719E-03		TM
1784.9	.412E-02		CL	1820.6	.150E-02		ER
1785.6	.631E-03		CS	1820.7	.778E-04		BA
1786.6	.365E-04		SR	1822.4	.319E-02		RH
1790.6	.175E-03		W	1822.4	.239E-03		LA
1791.1	.959E-01		SM	1823.1	.111E-03		SB
1792.4	.271E-02		TI	1823.2	.330E-04		AL
1793.2	.432E-01		EU	1823.8	.641E-03		HO
1793.2	.312E-03		YB	1825.1	.971E-04		I
1793.8	.390E-03		V	1825.8	.995E-04		CA
1794.5	.462E-03		K	1825.8	.223E-03		K
1795.4	.542E-02		HF	1826.0	.149E 00		CD
1795.6	.122E-03		PD	1826.3	.323E-03		PT
1796.6	.328E-03		PR	1826.6	.719E-04		ZN
1797.5	.782E-04		F	1826.9	.983E-05		SN
				1826.9	.211E-03		RU
1798.8	.843E-04		SB	1828.1	.395E-04		CE
1798.8	.892E-04		TE	1829.2	.977E-05		NB
1799.3	.569E 00		GD	1829.7	.108E-03		PD
1799.8	.126E-03		SR	1830.2	.412E-02		CL
1801.2	.443E-02		CO	1830.3	.191E-01		CO
1803.5	.872E-01		CD	1830.4	.196E-02		SC
1803.7	.480E-03		PT	1831.2	.271E-04		MO
1803.7	.436E-04		OS	1833.1	.959E-04		BR
1804.0	.338E-03		PT	1833.7	.151E-03		TE
1804.9	.114E-01		IR D	1833.8	.666E-02		ER
1805.5	.946E-03		RE D	1834.3	.226E-03		CU
1806.1	.138E-01		DY	1835.9	.761E-02		SR
1806.1	.252E-04		RB	1836.1	.329E 00		GD

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
1836.7	.185E-03		AS	1875.4	.683E-04		Y
1838.0	.215E-04		AL	1875.6	.948E-04		PT
1838.3	.359E-03		TM	1876.2	.118E-02		MN
1839.7	.177E-03		AS	1877.8	.468E-01		SM
1839.7	.536E-03		GA	1879.2	.255E-04		NB
1840.3	.150E-03		RU	1879.4	.162E 00		CD
1841.1	.421E-01		SM	1879.6	.120E-02		CO
1841.3	.328E-04		Y	1880.2	.659E-04		CA
1841.6	.155E-02		AG	1880.3	.546E-03		HO
1841.7	.380E-03		HO	1883.0	.127E-02		TI
1841.8	.208E-03		NI	1883.5	.777E-03		ZN
1841.8	.108E-02		TI	1886.1	.822E-03		AU
1842.9	.424E-04		FE	1886.2	.106E-03		SB
1844.6	.318E-03		TA	1887.0	.199E-02		SC
1845.0	.691E-04		GE	1887.5	.533E-04		OS
1847.0	.367E-04		ZR	1887.7	.153E-03		TA
1848.1	.162E-03		LA	1887.9	.253E-03		I
1848.3	.280E-02		IN	1887.9	.126E-02		N
1848.4	.338E-03		SE				
1850.9	.155E-03		TE	1888.5	.260E-04		SN
1851.8	.335E-03		NI	1888.8	.609E-03		GA
1852.8	.470E-02		CO	1889.3	.228E-03		PT
1853.3	.281E-03		CU	1889.3	.321E-03		PD
1853.3	.421E-03		YB	1889.3	.131E-03		RB
1853.7	.678E-04		BA				
1855.6	.498E-04		CA	1889.4	.773E-04		B
1857.0	.996E-04		PD	1889.5	.175E-03		F
1857.0	.282E-04		RB	1889.6	.367E-03		NA
1857.2	.163E-03		AS	1889.7	.678E-01		SM
1857.3	.733E-02		SC	1889.7	.179E-02		AG
1858.6	.511E-04		B	1889.8	.198E-03		PR
1859.2	.539E-03		TM	1889.9	.373E-02		CO
1859.3	.609E-03		AU	1890.0	.808E-04		RU
1859.7	.650E-04		FE	1890.0	.246E-03		P
1859.8	.171E-03		K	1890.2	.228E-04		ZR
1861.8	.160E-02		GA	1890.2	.605E-01		EU
1862.0	.905E-02		HG	1890.2	.113E-03		MG
1863.6	.170E-02		HF	1890.4	.322E-04		MO
1863.7	.117E-04		SN	1890.4	.638E-03		YB
1864.6	.215E-04		AL	1890.5	.681E-03		S
1865.6	.188E-04		NB	1890.7	.565E-03		CS
1867.5	.293E-03		LA	1890.7	.869E-04		TE
1868.0	.738E-03		ND	1891.1	.111E-03		LA
1870.0	.137E-03		W	1891.3	.119E-03		FE
1870.1	.707E-04		SB	1891.4	.851E-04		LI
1871.7	.157E-02		SC	1891.6	.798E-04		SR
1871.9	.133E-04		RB	1892.0	.244E-02		ER
1872.1	.404E-03		TM	1893.3	.373E-04		CE
1874.9	.106E-03		BR	1893.6	.286E-02		HF
1875.4	.529E-03		RE	1893.8	.136E-03		BR

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
1893.9	.556E-02		RH	1934.5	.618E-04		ZN
1894.0	.300E-03		SE	1935.8	.356E-03		HO
1895.2	.759E-03		ND	1936.3	.657E-04		I
1896.9	.378E-02		CL	1936.7	.204E-04		TL
1898.4	.731E-04		BA	1937.0	.835E-03		RE D
1898.5	.137E-02		CR	1937.5	.390E-03		ND
1900.4	.360E-02		SC	1938.6	.764E-03		TM
1900.5	.739E-03		AG	1940.2	.670E-03		AU
1903.7	1.000E-04		RU	1940.3	.520E-03		GE
1906.5	.471E-03		TB	1941.6	.484E-01		EU
1907.1	.326E-04		CE	1941.9	.215E-03		P
1907.4	.809E-03		TM	1942.1	.150E-02		ER
1908.0	.137E-03		AS	1942.5	.510E-04		F
1908.3	.609E-03		AU	1942.5	.339E-02		CA
1908.6	.153E-03		PD	1943.3	.965E-04		PR
1909.6	.380E-03		YB	1943.6	.270E 00		GD
1909.9	.294E-02		ER	1944.5	.951E-05		SN
1910.2	.465E-04		SR	1944.7	.571E-04		SB
1911.0	.121E-02		ND	1946.7	.595E-04		I
1911.7	.405E-04		ZN	1947.9	.225E-04		AL
1912.7	.199E-04		BA	1948.1	.717E-01		CD
1912.8	.904E-04		FE	1949.0	.324E-03		NA
1912.9	.644E-03		CS	1949.9	.259E-03		GA
1913.5	.104E-03		PT	1950.3	.703E-03		NI
1913.8	.380E-03		HO	1950.3	.567E-04		ZN
1914.0	.964E-04		LA	1951.3	.941E-04		AS
1914.7	.652E-03		YB	1951.3	.121E 00		CL
1915.2	.313E-02		MN	1951.4	.542E-03		ND
1918.9	.920E-03		TE	1951.7	.220E-04		BA
				1952.7	.266E-04		Y
1922.2	.205E-04		BA	1953.2	.111E-02		V
1922.2	.432E-03		SE	1954.7	.140E 00		SM
1922.5	.697E-05		SN	1956.3	.950E-04		PD
1922.7	.250E-03		MO	1956.5	.709E-04		TE
1922.8	.274E-04		SR	1956.5	.299E-02		CO
1923.2	.415E-01		EU	1956.7	.695E-03		K
1923.4	.146E-03		BR	1957.5	.853E-01		CL
1923.6	.337E-02		RH	1958.4	.745E-04		MO
1924.5	.723E-03		CS	1959.3	.126E-02		CS
1924.8	.158E-02		ER	1960.1	.443E-03		V
1927.3	.321E-03		PD	1960.3	.539E-05		SN
1928.0	.251E-04		AL	1961.7	.231E-03		YB
1928.2	.516E-04		SB	1963.6	.299E-04		BA
1928.4	.579E-04		RU	1964.1	.175E-03		W
1929.3	.818E-03		K	1964.5	.270E-03		TM
1929.9	.156E-04		TL	1965.4	.170E-03		NA
1931.7	.340E-03		GA	1965.4	.854E-04		GE
1932.2	.193E-03		NA	1965.6	.113E-03		SE
1934.2	.367E-03		YB	1967.2	.455E-03		ND
1934.3	.541E-04		Y	1967.8	.141E-04		AL

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
1969.0	.143E-02		ER	2002.5	.549E-04		RU
1969.β	.465E-04		SR	2004.0	.166E-02		IN
1971.2	.344E-03		PT	2004.1	.293E-02		CL
1971.7	.120E-02		AG	2004.4	.103E-02		RE
1971.7	.126E-04		TL	2006.1	.588E-02		SC D
1972.3	.650E-04		FE	2006.9	.200E-04		RB
1973.0	.138E-04		RB	2007.6	.320E-03		K
1974.1	.828E-03		CS	*- 2009.9	.289E-03		MO
1974.6	.416E-03		LA	2013.0	.285E-03		GE
1975.7	.199E-02		SC	2013.0	.879E-03		AG
1976.5	.189E-01		DY	2013.5	.146E-04		TL
1977.5	.235E-03		SE	2014.4	.309E-03		HO
1978.7	.492E-03		PT	2014.7	.115E-03		I
1979.7	.413E-04		NB	2015.2	.409E-03		GA
1980.0	.686E-04		RU	2016.0	.314E 00		GD
1980.3	.220E-04		AL	2016.7	.186E-02		IN
1981.6	.833E-04		GE	2018.4	.375E-03		K
1981.8	.270E-02		IN	2018.7	.854E-03		CS
1982.2	.291E-04		SR	2019.1	.157E-04		NB
1982.4	.245E-04		MG	2019.3	.128E-02		CO
1982.5	.128E-02		CO	2019.8	.138E-01		DY
1983.5	.571E-04		CE	2020.1	.122E-02		ER
1983.7	.267E-03		NA	2021.2	.473E-03		V
1983.9	.136E-02		ER	2021.6	.565E-04		FE
1984.5	.237E-02		CL	2021.8	.672E-04		P
1984.6	.149E-04		RB	2022.3	.543E-01		CD
1984.8	.166E-03		I	2022.6	.824E-05		SN
1985.2	.190E-03		YB	2023.0	.314E-03		TM
1985.8	.697E-05		SN	2023.7	.774E-03		YB
1987.6	.344E-02		MN	2023.8	.120E-04		AL
1987.8	.339E-03		PD	2023.8	.668E-04		BA
1987.9	.203E-04		ZR	2027.2	.277E-02		NA
1988.7	.130E-02		AG	2027.9	.434E-03		ND
1988.9	.359E-03		TM	2029.6	.905E-04		PD
1991.4	.344E 00		GD	2029.9	.225E 00		GD
1993.9	.341E-04		B	2030.5	.398E-01		SM
1994.7	.819E-03		CR	2030.9	.783E-04		I
1995.0	.484E-01		CD	2031.2	.134E-03		GE
1995.1	.874E-04		GE	2032.5	.841E-03		LI
1995.6	.113E-02		SE	2033.3	.524E-02		CO
1996.1	.710E-03		CS	2034.1	.220E-02		CL
1996.5	.310E-04		Y	2034.1	.543E-04		P
1997.1	.156E-03		W	2034.4	.610E-04		RU
1997.9	.290E-03		TE	2035.1	.284E-04		Y
1998.2	.445E-04		ZN	2035.9	.394E-04		CA
1999.8	.439E-04		P	2036.0	.904E-04		AS D
2000.0	.124E-03		FE	2036.1	.310E-03		SE
2000.8	.465E-03		CA	2037.5	.169E-04		RB
2002.0	.485E-03		V	2038.1	.212E-03		W
2002.1	.853E-01		HG	2039.0	.356E-03		HO

\* 2009.2 .349E-03 CA

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
2039.1	.425E-03		TE	2067.7	.271E-01		CD
2040.8	.203E-04		MO	2067.8	.368E-03		PT
2041.1	.119E-03		PT	2070.4	.248E-04		Y
2041.3	.989E-05		ZR	2071.2	.176E-03		YB
2041.4	.863E-03		K	2071.5	.186E-02		ND
2041.5	.294E-04		CE	2071.7	.257E-04		CE
2042.0	.275E-04		SN	2072.7	.301E-04		B
2043.4	.549E-04		MG	2073.2	.331E-02		K
2043.9	.193E-02		ER	2073.2	.199E-03		GE
2044.3	.354E-02		MN	2074.2	.138E-02		CS
2045.0	.162E-03		LA	2074.2	.125E-03		SB
2045.0	.469E-02		HG	2074.3	.417E-02		CL
2045.7	.844E-03		K	2075.1	.331E-03		TB
2045.8	.860E-04		PD	2075.2	.761E-05		SN
2046.0	.501E-04		I	2075.9	.242E-01		EU
2046.4	.449E-03		TM	2076.5	.310E-03		SE
2047.6	.244E-02		ER	2077.6	.905E-04		CA
2048.0	.112E-02		TI	2078.2	.132E-03		TE
2048.0	.363E-01		EU	2079.7	.162E-04		AL
2048.4	.509E-04		MG	2080.0	.170E-02		SC
2048.6	.169E-02		AG	2081.2	.299E-04		SR
2050.1	.996E-03		SC	2081.8	.155E-02		AG
2051.0	.319E-03		V	2082.0	.925E-05		RB
2051.1	.442E-04		RU	2082.2	.224E-04		TL
2051.3	.366E-03		TB	2082.2	.194E-04		OS
2052.3	.211E-01		SM	2082.3	.266E-04		CE
2053.5	.224E-04		SR	2082.7	.355E-03		V
2053.7	.332E-03		HO	2083.3	.494E-03		TM
2055.5	.390E-03		ND	2083.4	.640E-01		CD
2056.2	.156E-02		LU	2083.9	.254E-04		MO
2056.5	.280E-02		IN	2085.6	.457E-04		RU
2056.9	.793E-02		IR	2086.7	.131E-03		LA
2057.0	.202E-03		NA	2086.8	.790E-03		TI
2057.4	.694E-04		LA	2087.6	.608E-04		ZN
2057.5	.362E-03		RE	2088.6	.895E-02		DY
2058.7	.279E-02		SC	2088.7	.822E-03		AU
2059.2	.854E-03		CS	2088.8	.332E-03		HO
2060.2	.549E-04		RU	2089.0	.225E 00		GD
2060.5	.369E-03		W	2090.0	.640E-04		TE
2062.1	.253E-03		SE	2090.3	.292E-04		Y
2062.3	.172E-03		N	2090.5	.142E-02		MN
2062.5	.251E-03		GA	2091.2	.192E-02		LU
2062.6	.275E-02		MN	2091.4	.593E-04		FE
2064.5	.728E-04		MO	2092.1	.254E-02		CL
2064.9	.230E-02		HF	2092.8	.462E-04		SB
2065.2	.105E-04		NB	2092.9	.919E-03		SI
2065.7	.715E-02		HG	2093.4	.137E-03		NI
2066.0	.121E-03		BR	2093.4	.281E-01		SM
2067.1	.175E-03		FE	2093.5	.618E-03		CS
2067.4	.300E-01		DY	2093.5	.363E-01		EU

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
2094.2	.103E-03		CA	2123.5	.549E-04		TE
2095.7	.152E-04		AL	2123.6	.509E-04		TA
2096.4	.691E-04		GE	2123.8	.376E-03		NA
2096.9	.951E-05		SN	2124.2	.447E-03		CS
2098.4	.657E-04		I	2124.3	.931E-01		CD
2099.8	.404E-03		TM	2124.9	.860E-03		ER
2100.5	.656E-03		V	2125.3	.141E-04		AL
2100.5	.237E-04		MO	2125.8	.443E-05		SN
2101.7	.815E-04		PD	2126.0	.771E-04		LA
2102.5	.176E 00		CD	2126.1	.246E-03		GA
2104.4	.788E-03		ER	2126.2	.773E-04		BA
2104.8	.807E-04		Y	2126.8	.778E-05		TL
2105.6	.128E-04		ZR	2127.1	.381E-04		RU
2105.7	.425E-04		ZN	2128.5	.144E-02		SC
2105.7	.112E-04		NB	2129.3	.421E-03		YB
2106.5	.333E-02		CL	2129.5	.158E-02		CL
2107.0	.374E 00		GD	2129.6	.121E-03		FE
2107.1	.131E-03		BR	2129.8	.163E-03		CA
2107.6	.619E-04		AL	2130.0	.388E-04		OS
2108.6	.276E-01		EU	2130.0	.226E-04		RB
2108.7	.755E-04		TE	2131.1	.657E-04		I
2109.1	.281E-01		SM	2131.1	.815E-04		PD
2109.9	.932E-04		FE	2131.5	.425E-04		ZN
2110.4	.312E-03		YB	2133.0	.359E-03		TM
2111.0	.111E-03		SR	2133.2	.745E-04		MO
2111.4	.655E-02		SC	2135.0	.111E-04		ZR
2112.1	.113E 00		IN D	2135.3	.586E-03		ND
2112.1	.796E-04		MO	2136.1	.153E-03		CU
2112.7	.488E-04		SN	2137.5	.209E-03		NA
2113.2	.274E-01		MN D	2138.3	.180E 00		GD
2113.3	.205E-04		BA	2138.9	.834E-04		Y
2113.3	.905E-04		PD	2139.9	.771E-04		AL
2114.0	.251E-01		DY	2140.5	.193E-02		ER
2114.3	.282E-03		P	2140.8	.757E-02		DY
2115.2	.898E-03		TM	2140.9	.396E-04		RU
2115.6	.741E-04		PT	2142.6	.365E-04		SR
2115.9	.105E-03		AS	2142.7	.281E-03		SE
2116.2	.210E-03		GA	2144.1	.427E-04		GE
2117.4	.584E-04		LI	2144.2	.121E-03		TE
2118.3	.831E-03		HO	2144.7	.626E-04		I
2118.4	.108E-03		CA	2145.3	.433E-04		CA
2119.3	.386E-04		GE	2146.0	.255E-02		V
2119.8	.936E-01		SM	2147.7	.225E-01		EU
2120.2	.349E-03		TB	2147.7	.426E-01		CD
2120.7	.204E-04		Y	2148.1	.227E-03		NI
2121.3	.293E-04		NB	2149.4	.540E-04		LA
2121.5	.653E-04		CA	2149.4	.737E-04		CA
2121.7	.873E-04		K	2149.7	.236E-04		RB
2121.7	.417E-03		RE	2150.0	.602E-05		SN
2123.4	.420E-03		NI	2150.3	.110E-03		PT

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
2150.3	.890E-04		TA	2176.9	.169E-02		CL
2152.6	.375E-03		K	2179.0	.371E-04		SN
2152.8	.381E-04		Y	2179.4	.193E-03		W
2153.4	.186E-04		MO	2179.7	.346E-02		HG
2153.4	.367E-04		FE	2181.0	.210E 00		GD
2153.8	.180E-02		HF	2182.4	.724E-04		PD
2153.9	.494E-03		TM	2184.0	.210E-03		PT
2153.9	.148E-02		CO	2184.0	.211E-03		LI
2154.2	.620E-03		P	2184.5	.366E-04		TE
2155.0	.932E-03		SC	2184.6	.213E-03		K
2155.2	.210E 00		GD	2185.4	.117E-02		ND
2156.6	.386E-04		GE	2185.4	.774E-03		AG
2156.7	.157E-04		BA	2186.0	.123E-03		BA
2157.1	.158E-02		CL	2187.1	.977E-04		AS
2157.4	.168E-03		N	2187.6	.259E-02		IN
2157.5	.336E-04		SI	2187.9	.800E-04		PT
2159.7	.158E-02		AG	2189.3	.269E-04		CE
2159.7	.287E-02		ER	2190.2	.103E-01		DY
2160.0	.176E-02		IN	2190.8	.872E-01		CD
2160.2	.577E-02		IR	2190.9	.247E-04		ZR
2160.4	.242E-04		OS	2191.0	.544E-04		SB
2161.0	.655E-01		SM	2191.4	.283E-04		FE
				2191.7	.369E-02		HG
2165.1	.488E-04		Y	2195.1	.578E-04		LA
2165.7	.103E-03		SE	2196.1	.438E-04		I
2165.9	.283E-04		FE	2196.6	.757E-04		BR
2166.6	.273E-04		ZN	2196.7	.480E-04		TE
2166.7	.584E-03		YB	2196.9	.498E-03		PD
2167.9	.641E-03		LU	2197.7	.355E-03		NA
2168.9	.188E-03		SR	2198.4	.366E-04		GE
2168.9	.739E-03		SC	2202.5	.376E-02		GA
2169.0	.610E-04		GE	2203.2	.137E-03		TE
2169.1	.114E-03		TA	2205.8	.347E-03		ND
2169.2	.296E-03		V	2223.3	.200E-00		H
2169.3	.460E-03		CS	2238.9	.268E-02		CR
2170.1	.744E-04		K	2244.0	.151E-02		SC
2170.2	.874E-05		RB	2244.5	.216E-04		CE
2170.4	.679E-04		PD	2244.6	.591E-04		P
2170.5	.279E-03		TB	2244.6	.821E-04		PR
2171.0	.443E-05		SN	2245.1	.443E-05		SN
2171.6	.434E-03		ND				
2172.5	.320E-04		RU	2247.6	1.000E-03		ER
2172.6	.105E-03		P	2247.7	.977E-05		NB
2173.4	.210E-04		NB	2249.3	.408E-04		SB
2173.8	.143E-02		ER	2250.2	.303E-03		ND
2173.9	.273E-02		RH	2250.6	.461E-04		P
2174.1	.501E-04		LA	2250.8	.160E-03		NA
2174.7	.122E-03		N	2250.9	.254E-04		FE
2175.2	.328E-02		MN	2251.2	.174E-04		SR
2176.8	.586E-04		RB				



ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
2252.3	.108E-00		CD	2277.7	.775E-03		TI
2254.2	.778E-05		TL	2278.7	.454E-04		BR
2255.3	.132E-03		NI	2280.0	.198E-02		CO
2256.2	.215E-04		AL	2280.2	.348E-05		SN
2256.3	.183E-03		TE	2280.3	.254E-04		MO
2256.6	.225E-03		W	2281.5	.529E-04		GE
2257.0	.192E-03		GA	2283.7	.870E-04		AL
2257.6	.434E-04		PR	2284.1	.338E-03		SE
2258.0	.107E-01		HG	2285.0	.724E-04		PR
2258.2	.597E-03		MN	2285.1	.328E-04		P
2258.3	.407E-04		CA	2285.3	.125E-03		W
2259.3	.105E-04		NB	2285.5	.630E-04		OS
2259.3	.293E-04		ZN	2285.8	.238E-03		TE
2259.3	.244E-03		YB	2286.2	.109E-03		ZN
2260.2	.225E-00		GD	2287.6	.396E-03		AU
2261.3	.116E-03		OS	2287.9	.117E-03		PD
2261.7	.188E-03		SE	2288.4	.217E-03		ND
2262.2	.365E-03		AU	2288.5	.627E-04		PR
2262.3	.450E-03		SC	2288.7	.131E-02		SC
2262.7	.410E-04		P	2288.8	.555E-04		BR
2262.8	.739E-03		AG	2289.1	.152E-04		BA
2263.0	.110E-04		BA	2289.4	.265E-02		CL
2263.2	.337E-04		Y	2289.6	.231E-03		YB
2263.7	.508E-04		GE	2290.2	.655E-04		LA
2264.3	.485E-04		CA	2290.8	.182E-04		SR
2266.9	.141E-03		BR	2291.2	.111E-02		K
2267.1	.225E-03		TM	2292.1	.602E-05		SN
2268.5	.138E-01		DY	2292.2	.150E-04		NB
2268.7	.147E-02		CL	2292.2	.916E-03		LU
2269.1	.201E-02		ER	2293.4	.671E-05		ZR
2269.6	.158E-03		PD	2293.4	.311E-04		FE
2269.6	.246E-03		GA	2294.1	.198E-02		MN
2270.0	.824E-05		SN	2294.6	.116E-03		CA
2270.4	.325E-03		ND	2295.4	.646E-04		P
2271.1	.266E-03		V	2297.2	.122E-01		HG
2272.0	.189E-04		BA	2297.7	.157E-04		BA
2272.0	.202E-01		HG	2298.3	.823E-04		RU
2272.1	.977E-04		AS	2299.1	.157E-04		AL
2272.3	.367E-04		CE	2299.5	.335E-03		AU
2273.1	.435E-04		SB	2302.0	.101E-03		AS
2273.5	.350E-04		RU	2302.3	.204E-03		YB
2273.8	.283E-04		FE	2303.1	.823E-05		RB
2273.9	.598E-03		AG	2303.1	.362E-03		RE
2274.0	.393E-04		AL				
2275.5	.187E-01		SM	2303.8	.180E-00		GD
2275.8	.225E-03		TM	2304.3	.270E-03		TM
2276.0	.362E-04		P	2304.9	.578E-04		LA
2276.8	.266E-03		SR	2305.2	.339E-04		FE
2276.8	.381E-04		Y	2305.3	.938E-04		SE
2277.2	.501E-04		LA	2306.1	.651E-03		ND

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
2306.3	.605E-04		BR	2331.9	.283E-04		ZN
2307.0	.380E-05		SN	2332.0	.398E-01		SM
2308.6	.144E-02		CO	2332.0	.891E-05		AL
2308.6	.517E-04		CA	2333.4	.412E-05		SN
2308.7	.176E-03		PD	2334.6	.908E-04		BR
2309.1	.236E-04		P	2334.8	.711E-04		PT
2309.7	.219E-03		K	2334.8	.289E-04		RU
2309.9	.354E-04		ZN	2335.2	.389E-04		TE
2310.2	.925E-05		RB	2335.6	.188E-03		SE
2311.1	.335E-03		AU	2336.5	.388E-04		SI
2311.4	.513E-03		PT	2336.9	.316E-04		SR
2311.5	.137E-02		LU	2337.0	.844E-03		AG
2311.6	.173E-02		RH	2337.2	.827E-05		NB
2311.8	.400E-02		CL	2337.4	.259E-02		IN
2312.3	.935E-04		GE	2339.1	.438E-04		I
2312.3	.284E-04		BA	2339.1	.150E 00		GD
2312.8	.187E-03		I	2340.2	.189E-04		BA
2313.4	.374E-01		SM	2341.0	.461E-04		Y
2314.0	.196E-01		DY	2341.2	.116E-02		HF
2314.4	.389E 00		GD	2341.4	.514E-03		SC
				2341.5	.265E-04		CA
2314.7	.523E-01		CD	2341.6	.380E-02		ER
2314.9	.174E-04		SR	2342.1	.353E-04		SB
2317.0	.578E-04		LA	2342.5	.155E-03		GA
2318.0	.326E-03		YB	2344.1	.356E-04		PT
2318.4	.105E-02		CO	2345.9	.284E-03		K
2319.3	.159E-03		SE	2346.2	.426E-03		AU
2320.8	.977E-05		RB	2346.3	.369E-03		W
2320.9	.161E-03		BR	2346.5	.668E-05		RB
2321.0	.195E-02		CR	2346.6	.998E-03		ND
2321.1	.149E-02		ND	2346.7	.892E-04		TE
2323.3	.180E-03		TM	2346.7	.810E-04		LA
2323.6	.171E-03		GA	2346.8	.274E-04		RU
2323.9	.325E-03		W	2347.4	.234E-01		SM
2324.3	.681E-02		HG	2348.1	.375E-02		IR
2325.4	.711E-04		K	2348.1	.169E-03		ZN
2325.9	.134E-02		HF	2349.0	.241E-03		CR
2326.7	.902E-05		NB	2349.7	.285E-03		YB
2326.8	.130E-04		SN	2350.0	.319E-03		V
2328.7	.581E-04		CA	2350.2	.109E-02		SC
2329.3	.197E-04		ZR	2350.4	.336E-04		CA
2329.6	.447E-02		HG	2350.8	.821E-04		PR
2329.8	.278E-03		RE	2351.1	.403E-04		BR
2329.9	.259E-04		RU	2351.6	.468E-04		GE
2330.3	.326E-04		BA	2351.9	.168E-03		GA
2330.4	.291E-04		OS	2351.9	.681E-05		TL
2330.8	.276E-02		SC	2352.5	.874E-05		RB
2330.9	.456E-02		MN	2353.3	.128E-02		CO
2331.3	.180E-03		TM	2353.4	.131E 00		CD
2331.8	.353E-03		YB	2354.3	.186E-04		MO

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
2354.9	.708E-05		ZR	2376.0	.919E-04		PT
2355.2	.676E-04		PR	2376.0	.932E-04		MO
2355.6	.950E-03		AG	2376.5	.271E-04		CA
2356.2	.107E-04		SN	2377.0	.460E-03		CR
2356.6	.169E-04		MO	2377.4	.595E-03		LU
2356.7	.205E-03		N	2377.6	.159E-03		TA
2356.7	.209E-04		AL	2378.8	.127E-02		HF
2356.8	.460E-03		CS	2378.9	.934E-03		IN
2356.8	.827E-05		NB	2379.2	.469E-04		I
2357.0	.131E-03		PD	2379.6	.117E-01		SM
2358.8	.263E-04		CE	2379.7	.307E-02		S
2360.0	.488E-04		RU	2379.9	.724E-04		AS
2360.9	.274E-04		TE	2380.0	.977E-05		NB
2361.3	.338E-03		NA	2380.5	.193E-01		CD
2361.5	.681E-05		TL	2380.7	.301E-04		Y
2361.7	.141E-04		AL	2381.5	.228E-04		RU
2362.6	.135E 00		GD	2382.0	.258E-04		CA
2363.2	.266E-04		SR	2383.7	.157E-04		AL
2363.2	.836E-03		SC	2385.1	.210E-04		CE
2364.0	.874E-05		RB	2386.0	.270E-03		TE
2364.1	.449E-03		TM	2386.5	.504E-04		BR
2364.2	.843E-04		Y	2387.0	.108E-04		RB
2364.3	.130E-02		CL	2387.0	.244E-03		TB
2366.1	.252E-01		CD	2387.3	.176E-01		DY
2366.4	.111E-03		BR	2389.6	.320E-04		RU
2366.9	.367E-04		FE	2389.9	.634E-03		K
2367.0	.334E-04		ZN	2389.9	.180E-03		TM
2367.6	.697E-05		SN	2391.5	.383E-03		SR
2367.8	.245E-03		K	2392.0	.636E-04		TA
2368.0	.950E-03		AG	2392.5	.140E-01		SM
2368.3	.861E-02		DY	2392.6	.526E-05		NB
2368.5	.876E-04		W	2392.8	.478E-03		SE
2368.7	.219E-02		RH	2393.2	.160E-03		PT
2369.3	.291E-04		CE	2393.7	.168E-03		W
2369.3	.389E-02		IR	2395.8	.225E 00		GD
2369.5	.816E-03		MN	2396.2	.155E-03		GA
2370.0	.813E-04		GE	2396.6	.189E-04		BA
2370.2	.299E-04		SB	2397.4	.163E-03		PD
2370.5	.101E-02		CO	2397.7	.304E-03		NA
2370.8	.213E-04		Y	2397.7	.211E 00		CD
2371.3	.387E-03		TI	2398.9	.738E-03		CO
2371.5	.253E-02		ND	2399.3	.165E-03		LA
2372.4	.641E-03		LU	2399.9	.242E-04		BA
2373.1	.131E-03		SE	2400.4	.348E-05		SN
2373.8	.113E-03		PD	2400.8	.110E-02		YB
2374.2	.223E-03		RE	2400.9	.167E-03		MO
2374.2	.793E-04		RU	2402.0	.385E-04		PT
2374.5	.170E-02		SC	2402.3	.447E-03		CS
2375.7	.278E-04		BA	2403.3	.257E-01		SM
2375.9	.180E-03		TM	2404.6	.547E-04		ZN

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
2405.2	.166E-02		IN	2432.7	.404E-02		IR
2405.5	.296E-03		TB	2434.0	.135E 00		GD
2406.1	.656E-04		Y	2434.3	.274E-03		AU
2406.3	.665E-02		SC	2436.1	.183E-03		PR
2406.6	.259E-04		RU	2436.4	.717E-03		ER
2407.4	.153E-03		GA	2436.7	.145E-04		OS
2407.5	.294E-03		PR	2436.8	.135E-04		ZR
2407.8	.180E-03		TM	2437.1	.164E-02		MN
2409.8	.955E-03		ND	2438.7	.761E-05		SN
2410.4	.452E-04		PD	2439.1	.204E-03		LA
2410.7	.620E-02		DY	2439.8	.190E-03		YB
2410.9	.384E-03		V	2439.8	.102E-03		CU
2411.0	.104E-04		AL	2440.5	.860E-04		PD
2412.0	.225E-01		EU	2442.4	.533E-04		RU
2412.1	.274E-03		AU	2442.7	.152E-04		MO
2412.1	.283E-04		FE	2443.3	1.000E-04		TE
2412.5	.116E-02		HF	2443.4	.504E-03		LU
2413.1	.115E-02		ER	2444.4	.285E-04		GE
2414.9	.899E-03		NA	2444.6	.117E-01		DY
2415.3	.601E-05		NB	2445.0	.578E-03		SC
2415.4	.407E-04		I	2445.3	.593E-04		PT
2415.8	.353E-04		BR	2446.2	.365E-03		AU
2416.5	.374E-01		SM	2446.7	.568E-04		Y
2417.5	.602E-05		SN	2446.8	.334E-03		RE
2419.3	.113E-03		SE	2447.5	.216E-04		SI
2419.7	.135E-03		ZN	2447.6	.347E-03		ND
2419.9	.691E-04		GE	2449.4	.821E-04		PR
2420.7	.135E 00		GD	2451.3	.516E-02		DY
2421.8	.434E-04		TE	2451.4	.783E-04		I
2422.0	.481E-03		K	2451.6	.220E-04		MO
2422.2	.188E-04		AL	2452.1	.920E-03		CS
2423.1	.250E-03		W	2452.8	.354E-04		F
2423.6	.593E-04		MO	2453.0	.813E-04		W
2423.8	.887E-04		LA	2453.6	.137E-03		GA
2424.7	.676E-04		P	2453.6	.761E-04		SB
2425.1	.492E-03		AG	2453.8	.451E-03		MN
2425.6	.205E-04		BA	2454.2	.649E-02		IR
2425.6	.860E-03		ER	2454.2	.122E-02		ER
2425.7	.537E-04		FE	2454.2	.225E-04		AL
2425.9	.135E-03		SI	2455.0	.384E-03		TB
2426.1	.328E-01		SM	2455.3	.148E-02		CO
2426.6	.807E-04		BR	2455.6	.297E-04		TE
2427.3	.252E-01		CD	2455.8	.876E 00		CD
2427.6	.516E-02		DY	2457.0	.501E-04		LA
2428.2	.183E-03		V	2457.2	.389E-05		TL
2428.5	.113E-02		HF	2457.5	.461E-03		PD
2429.1	.978E-04		PT	2457.9	.220E-03		SR
2430.2	.106E-02		ND	2458.8	.484E-04		OS
2430.3	.334E-03		RE	2459.9	.549E-04		RU
2432.5	.408E-04		SB	2460.1	.359E-03		TM

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
2460.4	.873E-04		K	2490.8	.187E-03		S
2460.5	.908E-04		BR	2491.3	.190E-03		HO
2460.6	.697E-05		SN	2491.4	.160E-02		GA D
2460.7	.273E-04		P	2492.4	.894E-05		BA
2461.1	.266E-04		Y	2492.5	.491E-02		CL
2465.5	.131E-03		CU	2495.0	.240E-04		NB
2466.7	.136E-03		YB	2495.7	.904E-04		AS
2466.9	.282E-03		ND	2495.7	.325E-04		GE
2467.3	.717E-03		ER	2496.0	.327E-03		TI
2467.7	.250E-03		RE	2496.3	.200E-04		CE
2468.0	.649E-02		IR	2496.8	.774E-03		AG
2468.3	.531E-04		PR	2497.1	.146E-03		NI
2468.5	.479E-02		CL	2497.4	.549E-05		ZR
2468.5	.290E-02		HF	2497.5	.226E-04		FE
2469.0	.164E-02		RH	2497.5	.238E-03		ND
2469.3	.469E-04		I	2497.6	.255E-03		CU
2469.6	.415E-03		PT	2497.7	.326E-04		SB
2469.6	.270E 00		GD	2498.3	.190E-03		YB
2470.1	.121E-03		FE	2499.8	.126E-04		SN
2471.5	.845E-03		MN	2500.0	.108E-04		RB
2473.5	.285E-05		SN	2500.8	.192E-02		SC
2473.8	.488E-04		Y	2501.8	.252E-01		CD
2474.0	.265E-04		CA	2501.8	.150E 00		GD
2474.6	.249E-03		GA	2503.7	.107E-03		Y
2475.1	.167E-04		ZR	2504.1	.498E-04		PD
2475.7	.113E-04		RB	2504.6	.124E-03		NA
2475.7	.140E-01		SM	2504.7	.563E-04		I
2476.0	.584E-03		TM	2505.2	.388E-04		OS
2476.8	.860E-03		ER	2506.3	.359E-03		TM
2477.4	.302E-02		SC	2506.5	.563E-04		PT
2477.5	.687E-03		LU	2506.8	.861E-02		DY
2479.1	.579E-04		PR	2507.0	.103E-03		MO
2479.4	.492E-03		AG	2507.0	.777E-03		CO
2481.8	.832E-04		AS	2507.4	.238E-03		ND
2481.8	.381E-03		W	2508.2	.315E-02		GA D
2482.6	.950E-04		YB	2508.5	.335E-03		AU
2482.6	.173E-02		RH	2508.8	.466E-03		MN
2482.8	.385E-04		LA	2509.6	.312E-04		SI
2484.3	.466E-03		PD	2509.9	.407E-04		I
2484.4	.353E-04		BR	2510.8	.187E-03		W
2486.2	.491E-04		MO	2511.8	.334E-03		TI
2486.6	.114E-02		IN	2512.1	.563E-03		AG
2486.9	.505E-03		CO	2512.4	.954E-04		TA
2487.6	.356E-04		PT	2514.2	.262E-03		TB
2487.8	.133E-04		SN	2514.5	.679E-04		PD
2487.9	.427E-04		RU	2515.5	.154E-03		V
2488.0	.135E-03		TM	2516.0	.163E-03		YB
2488.1	.126E-04		BA	2517.6	.239E-02		NA
2489.3	.191E-04		SR	2518.3	.210E 00		GD
2490.5	.107E-03		TE	2518.7	.106E-04		ZR

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
2519.0	.434E-03		N	2548.7	.389E-05		TL
2519.9	.331E-03		LA D	2550.1	.310E 00		CD
2520.9	.188E-03		SE	2550.6	.307E-04		SR
2521.8	.137E-02		MN	2550.7	.299E-04		SB
2521.9	.895E-02		DY	2551.1	.118E-02		SC
2523.4	.279E-02		ER	2551.5	1.000E-03		ER
2524.5	.124E-02		IN	2552.0	.184E-03		GA
2526.4	.759E-03		ND	2553.4	.595E-03		LU
2526.5	.187E-01		SM	2553.9	.210E-04		P
2526.9	.660E-03		CO	2554.1	.680E-03		NI
2526.9	.193E-03		PT	2554.5	.462E-03		YB
2527.7	.119E-03		FE	2554.7	.258E-01		DY
2528.1	.292E-04		F	2556.7	.505E-03		CO
2528.1	.681E-05		TL	2556.9	.180E-03		TM
2528.8	.458E-02		HG	2557.7	.222E-04		ZN
2529.2	.195E-03		RE	2557.8	.305E-04		MO
2530.4	.128E-03		RU	2558.2	.294E-03		CR
2530.8	.482E-04		PR	2558.5	.221E-03		PD
2530.9	.387E-01		CD	2558.7	.234E-01		SM
2531.7	.457E-03		AU	2559.6	.665E-05		SN
2532.0	.823E-05		RB	2560.0	.477E-03		ND
2532.3	.199E-04		B	2562.3	.246E-03		PR
2533.1	.874E-04		GE	2563.4	.206E-03		SE
2533.9	.985E-03		AG	2563.4	.103E-02		IN
2533.9	.438E-04		I	2563.4	.123E-03		LA
2534.6	.150E-03		SE	2563.8	.382E-04		CE
2535.0	.223E-03		RE	2564.1	.508E-04		GE
2535.4	1.000E-03		ER	2564.6	.189E-04		BA
2535.8	.209E-03		TB	2564.6	.546E-03		SC
2536.1	.585E-02		DY	2565.9	.381E-04		Y
2536.7	.156E-04		ZR	2566.6	.290E-02		HG
2536.7	.451E-05		NB	2568.8	.166E-03		HO
2537.0	.789E-04		BA	2569.2	.167E-02		CO
2537.3	.504E-03		LU	2570.4	.123E-04		RB
2537.9	.134E-02		HF	2571.4	.217E-03		ND
2539.3	.359E-03		TM	2571.8	.225E-03		TM
2539.4	.228E-04		TE	2572.2	.135E-03		CU
2539.5	.147E-02		CL	2574.2	.486E-05		TL
2539.7	.118E-04		MO	2574.4	.145E-04		OS
2540.0	.253E-03		PD	2575.3	.164E-01		SM
2540.4	.217E-03		ND	2575.8	.640E-03		RE
2541.0	.293E-04		MG	2575.8	.517E-04		K
2542.0	.149E-04		SR	2575.9	.272E-02		ER
2544.3	.404E-03		TM	2576.3	.678E-04		FE
2545.5	.601E-05		NB	2576.4	.265E-04		CA
2545.9	.117E-02		K	2576.4	.220E-03		GA
2546.6	.205E-03		Y	2576.8	.165E 00		GD
2547.3	.424E-04		LA	2577.8	.113E-03		NI
2548.1	.113E-04		RB	2577.9	.225E-04		AL
2548.7	.934E-03		IN	2578.1	.242E-03		SR

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
2579.2	.213E-04		RU	2603.1	.299E-04		P
2579.3	.273E-02		RH	2603.9	.210E-03		GA
				2605.7	.194E-04		OS
2579.9	.155E-02		IN	2606.8	.109E-02		CO
2580.0	.610E-04		GE	2607.4	.517E-04		CA
2581.5	.125E-04		MG	2607.7	.119E-04		MG
2582.0	.386E-04		PR	2608.7	.771E-04		LA
2582.3	.543E-01		CD	2609.2	.121E-01		DY
2583.3	.578E-03		SC	2609.6	.261E-03		HO
2583.4	.108E-03		TA	2610.1	.408E-03		MN
2583.9	.385E-04		LA	2610.4	.271E-01		CD
2584.4	.347E-03		ND	2610.5	.602E-03		TE
2584.6	.140E-01		SM	2611.8	.549E-03		K
2585.0	.144E-02		YB	2612.7	.717E-03		ER
2585.7	.136E-04		SN	2613.7	.299E-04		SB
2585.7	.164E-04		RB	2613.7	.366E-03		SE
2586.0	.118E-03		W	2614.3	.815E-04		PD
2586.1	.195E-03		P	2614.3	.104E-03		PT
2586.6	.389E-04		MO	2614.8	.977E-05		NB
2588.0	.145E-04		OS	2615.3	.121E-04		BA
2589.6	.332E-02		IR	2615.6	.462E-05		RB
2589.9	.152E-03		BE	2616.0	.182E-04		ZN
2589.9	.926E-03		HO	2616.0	.646E-03		TI
2590.7	.540E-04		AL	2617.7	.254E-04		FE
2591.6	.159E-03		SE	2618.0	.366E-04		GE
2592.3	.588E-04		PD	2618.2	.488E-04		RU
2592.6	.151E-01		DY	2618.4	.281E-01		SM
2593.0	.404E-03		TM	2619.4	.724E-04		PR
2593.3	.542E-03		ND	2619.6	.536E-02		HG
2593.5	.334E-03		RE	2619.9	.595E-04		I
2593.5	.609E-03		AU	2620.5	.501E-04		LA
2593.7	.109E-02		MN	2620.9	.194E-04		OS
2594.1	.299E-03		NA	2621.3	.122E-02		MN
2594.3	.108E-03		BA	2621.3	.111E-03		CR
2594.3	.140E-01		SM	2621.4	.369E-03		ND
2594.8	.244E-04		SB	2622.3	.381E-04		Y
2595.3	.326E-04		PT	2622.7	.171E-03		V
2596.0	.615E-04		AS	2623.8	.968E-05		MG
2597.7	.193E-03		PR	2624.2	.372E-02		CL
2597.9	.283E-04		ZN	2625.6	.598E-04		SB
2598.1	.668E-05		RB	2626.0	.367E-04		AL
2598.2	.757E-04		BR	2626.5	.153E-03		GA
2598.2	.368E-01		CD	2627.9	.704E-03		AG
2599.2	.636E-04		TA	2628.5	.231E-03		YB
2600.1	.389E 00		GD	2628.6	.452E-04		PD
2600.7	.186E-04		MO	2629.7	.645E-03		ER
2601.9	.310E-04		F	2630.8	.830E-03		IN
2601.9	.499E-03		CR	2631.7	.893E-03		CO
				2632.1	.186E-04		F

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
2634.2	.127E-02		RH	2662.1	.699E-04		TA
2635.5	.659E-05		ZR	2662.3	.366E-04		TE
2635.6	.977E-02		SC	2662.3	.549E-03		LU
2635.7	.306E-03		RE	2662.4	.155E-02		IN
2636.1	.348E-05		SN	2662.7	.336E-04		BA
2636.4	.164E-03		TE	2663.2	.611E-03		YB
2636.6	.396E-04		RU	2664.5	.215E-03		MO
2636.8	.325E-03		ND	2665.1	.679E-04		K
2637.9	.203E-04		MO	2665.5	.356E-04		PT
2638.6	.259E-02		IR	2665.5	.218E-02		SC
2639.4	.114E-03		BA	2666.5	.194E-04		OS
2639.6	.204E-03		LA	2668.5	.347E-04		LA
2639.9	.484E-01		HG	2668.7	.380E-02		ER
2640.0	.326E-03		K	2670.4	.413E-03		CR
2640.2	.205E-03		GA	2671.1	.228E-04		RU
2640.7	.668E-03		AG	2672.4	.157E-04		NB
2642.3	.514E-05		RB	2673.8	.375E-02		IR
2642.6	.890E-05		MG	2674.8	.145E-04		SN
2643.4	.135E-04		MO	2674.8	.403E-03		SE
2647.0	.248E-04		Y	2675.2	.271E-01		CD
2647.1	.176E-02		IN	2676.0	.168E-03		GA
2648.4	.244E-04		SB	2676.3	.184E-01		CL
2648.4	.198E-04		RU				
2649.2	.220E-02		CL	2676.5	.386E-04		GE
2649.3	.332E-03		HO	2676.9	.141E-02		MN
2650.1	.941E-04		AS	2677.1	.206E-04		TE
2650.1	.334E-04		ZN	2677.6	.969E-05		OS
2651.3	.122E-03		PD	2677.9	.826E-04		TA
2651.7	.183E-04		SN	2678.2	.341E-04		SR
2651.9	.902E-05		NB	2678.7	.464E 00		GD
2652.3	.816E-03		CO	2679.8	.202E-04		ZN
2655.0	.586E-05		ZR	2680.6	.684E-05		BA
2655.9	.367E-04		FE	2680.6	.610E-03		SC
2656.1	.890E-03		ND	2681.1	.135E-04		MO
2656.9	.142E-03		CU	2681.6	.159E-04		Y
2657.0	.694E-04		P	2681.8	.140E-01		SM
2657.1	.351E-01		SM	2681.9	.101E-03		V
2658.0	.962E-03		MN	2682.0	.588E-04		PD
2658.3	.555E-04		BR	2682.1	.195E-03		RE
2658.6	.140E-04		MG	2682.3	.117E-04		TL
2658.6	.223E-03		RE	2682.3	.116E-03		FE
2659.3	.198E-04		RU	2682.8	.268E-04		F
2659.6	.396E-03		AU	2684.1	.369E-03		ND
2659.8	.603E 00		CD	2685.4	.394E-03		YB
2659.9	.640E-04		SR	2685.6	.241E-03		NI
2660.2	.711E-04		CA	2686.2	.172E-02		ER
2660.2	.207E-01		DY	2686.4	.463E-04		LA
2661.3	.482E-04		PR	2687.1	.452E-04		K
2661.7	.220E-04		F	2688.0	.617E-05		RB
2661.8	.514E-05		RB	2688.5	.676E-04		PR



ENERGY	PHOTONS	GM N/CM2	ELEMENT	ENERGY	PHOTONS	GM N/CM2	ELEMENT
2689.3	468E-04	GE	2711.9	2711.9	237E-03	HO	
2691.6	494E-03	TM	2712.0	2712.0	103E-04	ZR	
2692.1	171E-03	GA	2712.1	2712.1	875E-05	TL	
2692.4	187E-01	SM	2713.7	2713.7	531E-04	PR	
2692.5	207E-04	CA	2713.9	2713.9	424E-04	LA	
2692.5	777E-03	CO	2715.3	2715.3	215E-02	SC	
2693.3	452E-04	PD	2716.0	2716.0	139E-03	NA	
2693.8	977E-05	NB	2716.3	2716.3	138E-01	EU	
2693.8	914E-03	AU	2716.9	2716.9	164E-01	SM	
2694.0	299E-04	ZR	2717.9	2717.9	679E-04	PD	
2695.4	824E-03	LU	2719.0	2719.0	789E-05	BA	
2696.4	379E-02	SC	2719.5	2719.5	302E-04	BR	
2696.6	252E-04	BR	2720.4	2720.4	101E-04	MO	
2696.8	342E-03	CS	2720.6	2720.6	563E-04	I	
2696.9	524E-03	MN	2721.2	2721.2	272E-03	SE	
2697.1	354E-04	ZN	2721.5	2721.5	404E-03	FE	
2697.5	449E-01	EU	2721.6	2721.6	470E-04	AS	
2698.2	593E-04	FE	2722.0	2722.0	317E-05	SN	
2698.4	114E-03	TA	2722.9	2722.9	115E-04	Y	
2699.3	156E-04	F	2723.0	2723.0	135E-03	TM	
2699.4	408E-04	Y	2723.1	2723.1	337E-02	RH	
2699.9	116E-03	CU	2724.0	2724.0	334E-03	RE	
2700.0	385E-04	LA	2725.7	2725.7	284E-03	K	
2700.4	190E-03	HO	2726.6	2726.6	932E-03	CO	
2700.6	271E-03	YB	2726.7	2726.7	261E-03	HO	
2700.8	236E 00	CD	2727.1	2727.1	821E-04	PR	
2701.3	322E-04	MO	2727.2	2727.2	251E-04	TE	
2701.5	434E-04	AS	2727.2	2727.2	681E-05	AL	
2702.2	329E 00	GD	2727.2	2727.2	813E-04	W	
2703.4	355E-04	K	2728.4	2728.4	360E-05	RB	
2703.4	809E-01	DY	2728.5	2728.5	626E-02	HG	
2703.9	830E-03	IN	2728.8	2728.8	299E-04	SB	
2704.8	491E-02	HG	2729.3	2729.3	101E-04	MO	
2705.1	366E-04	GE	2729.8	2729.8	217E-03	YB	
2705.1	266E-04	P	2730.0	2730.0	244E-04	RU	
2705.5	801E-04	TE	2730.5	2730.5	366E-04	GE	
2705.6	936E-02	SM	2730.6	2730.6	445E-04	TA	
2707.2	815E-04	PD	2730.9	2730.9	969E-05	OS	
2707.2	237E-03	W	2731.0	2731.0	164E-03	CU	
2708.2	123E-04	RR	2731.5	2731.5	227E-03	TB	
2709.1	890E-05	MG	2731.7	2731.7	142E-04	Y	
2709.2	178E-04	AL	2732.7	2732.7	178E-04	BA	
2709.4	192E-04	ZN	2733.1	2733.1	846E-03	CL	
2709.4	126E-04	SN	2733.6	2733.6	410E-01	DY	
2709.8	181E-04	CA	2734.1	2734.1	902E-05	NB	
2710.0	376E-05	NB	2734.6	2734.6	270E-03	TM	
2710.1	225E-03	TM	2734.8	2734.8	271E-03	YB	
2711.0	932E-03	ER	2735.1	2735.1	317E-02	IR	
2711.2	347E-03	ND	2735.3	2735.3	113E-03	PT	
2711.8	396E-04	RU	2735.3	2735.3	610E-05	ZR	

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
2735.5	.281E-04		I	2760.7	.137E-03		W
2735.7	.354E-04		ZN	2760.9	.424E-02		HG
2736.6	.138E-03		LA	2762.8	.207E-03		V
2736.9	.848E-04		SR	2763.2	.107E-02		CL
2737.2	.260E-03		ND	2765.3	.436E-03		LA
2737.7	.936E-02		SM	2766.3	.113E-03		NI
2738.0	.443E-05		SN	2766.6	.499E-04		SR
2739.3	.403E-04		BR	2767.1	.610E-04		MO
2739.5	.659E-01		CD	2767.3	.279E 00		CD
2739.5	.450E-03		SC	2767.7	.342E-04		CA
2739.9	.375E-03		W	2767.9	.356E-04		PT
2740.8	.117E-02		CO	2768.7	.183E-04		RU
2741.5	.185E-03		PD	2769.4	.243E-04		ZN
2743.2	.506E-04		AS	2769.6	.692E-03		YB
2743.4	.623E-03		IN	2770.0	.117E-01		SM
2743.5	.338E-04		PR	2770.2	.173E-01		EU
2743.6	.601E-05		NB	2771.2	.366E-03		SE
2744.2	.173E-01		EU	2772.6	.623E-03		IN
2744.6	.250E-04		I	2772.8	.491E-04		MO
2744.8	.387E-03		AG	2773.2	.180E-03		TM
2744.8	.331E-03		TR	2773.7	.482E-03		SC
2746.0	.164E-02		CL	2774.2	.162E-04		P
2746.2	.105E 00		GD	2774.5	.634E-05		SN
2746.7	.577E-05		AL	2776.4	.841E-05		BA
2747.2	.103E-02		TE	2776.7	.381E-04		TA
2747.4	.310E-02		DY	2778.6	.969E-05		OS
2748.3	.234E-01		SM	2780.4	.662E-04		SI
2748.4	.201E-02		HF	2781.3	.526E-05		NB
2749.0	.113E-03		PT	2782.9	.941E-04		AS
2749.5	.253E-03		Y	2782.9	.502E-03		ER
2749.5	.197E-03		SE	2783.0	.142E-03		HO
2751.0	.186E-04		MO	2783.2	.162E-01		DY
2751.1	.452E-04		FE	2784.0	.617E-05		RB
2753.2	.403E-03		S	2784.0	.199E-03		TE
2753.2	.329E-01		CD	2784.2	.279E-04		CE
2753.8	.365E-03		AU	2785.4	.679E-04		K
2754.2	.450E-03		SC	2785.4	.996E-04		GE
2754.4	.143E-01		NA	2785.8	.625E-04		W
2755.3	.723E-02		DY	2785.9	.166E-04		SR
2755.4	.135E-03		GA	2786.0	.732E-04		RU
2755.5	.107E-02		ER	2786.5	.106E-04		Y
2755.7	.180E-03		TM	2786.8	.302E-04		BR
2756.1	.259E-04		RU	2788.7	.195E-03		RE
2756.3	.136E-02		RH	2788.8	.263E-03		CS
2756.4	.636E-04		TA	2789.2	.171E-03		GA
2757.0	.498E-03		K	2789.4	.443E-05		SN
2758.1	.660E-03		CO	2789.7	.281E-01		SM
2759.2	.411E-05		RB	2790.0	.549E-05		ZR
2759.2	.112E-04		NB	2790.6	.564E-04		RU
2760.1	.366E-04		GE	2791.0	.679E-04		PD

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
2791.2	.484E-05		OS	2821.5	.213E-03		AU
2791.4	.528E-03		AG	2821.5	.135E-03		AL
2792.7	.160E-03		V	2822.1	.174E-01		CD
2794.6	.180E-02		SC	2824.4	.219E-03		PT
2794.7	.396E-03		AU	2824.7	.623E-03		IN
2795.0	.451E-05		NB	2825.0	.860E-03		ER
2795.4	.593E-04		MO	2826.0	.217E-03		ND
2797.0	.360E-05		RB	2826.6	.375E-04		I
2797.1	.394E-03		YB	2827.3	.177E-03		V
2797.5	.343E-04		TE	2827.9	.757E-02		DY
2797.7	.656E-04		CU	2828.1	.557E-03		MG
2797.9	.212E-04		ZN	2828.2	.141E-04		SR
2798.4	.237E-04		PT				
2799.9	.131E 00		CD	2828.3	.366E-04		GE
2800.2	.310E-02		CL	2828.7	.264E-03		GA D
2801.3	.283E-04		FE	2828.7	.228E-04		RU
2801.3	.389E 00		GD	2828.9	.376E-05		NB
2802.0	.135E-03		TM	2829.0	.252E-04		BA
2802.3	.199E-04		SR	2830.1	.826E-04		TA
2802.9	.466E-03		CO	2830.6	.380E-03		HO
2804.6	.448E-02		DY	2831.8	.346E-02		IR
2805.1	.146E-03		LA	2832.4	.186E-04		MO
2805.5	.263E-04		BA	2833.4	.250E-03		RE
2805.7	.614E-03		K	2833.4	.404E-03		TM
2806.0	.739E-03		AG	2833.8	.388E-03		CO
2807.1	.274E-03		AU	2833.8	.255E-02		RH
2808.9	.623E-03		NA	2835.5	.164E-03		FE
2809.0	.827E-05		NB	2836.3	.150E 00		GD
2809.7	.869E-04		TE				
2809.9	.501E-04		I	2837.0	.803E-03		SC
2810.5	.792E-02		DY	2838.3	.617E-04		LA
2810.9	.188E-03		SE	2838.8	.389E-04		TE
2811.0	.154E-03		CA	2839.0	.325E-03		ND
2811.3	.288E-02		IR	2839.8	.304E-03		PR
2811.8	.113E-02		CL	2840.2	.481E-03		K
2811.9	.387E-01		CD	2840.5	.668E-03		TI
2812.4	.271E-04		MO	2841.5	.585E-03		V
2813.5	.231E-03		YB	2842.0	.590E-03		NI
2813.7	.141E-04		FE	2842.7	.169E-01		DY
2814.0	.224E-04		GE	2843.4	.192E-03		TB
2814.7	.213E-04		RU	2843.9	.164E-04		SN
2815.7	.135E-03		PD	2844.0	.394E-03		W
2815.8	.194E-04		OS	2844.6	.376E-05		NB
2816.6	.190E-03		HO	2845.5	.384E-02		CL
2817.2	.546E-03		SC	2845.9	.314E-03		TM
2817.8	.737E-02		HG	2846.0	.537E-05		ZR
2818.0	.285E-05		SN	2846.2	.469E-04		SE
2818.4	.252E-04		BR	2847.2	.372E-04		MO
2819.2	.284E-04		Y	2848.3	.328E-04		Y
2821.2	.936E-02		SM	2849.7	.228E-04		TE

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
2850.3	.285E-04		GE	2876.0	.978E-04		PT
2851.9	.183E-04		RU	2877.1	.237E-04		MO
2852.0	.117E-03		GA	2877.3	.285E-04		GE
2852.1	.645E-03		ER	2877.4	.969E-05		OS
2852.3	.234E-01		SM	2877.4	.133E-04		RB
2852.8	.105E 00		GD	2878.1	.139E-03		TB
2852.9	.484E-05		OS	2878.3	.408E-04		SB
2853.3	.167E-03		RE	2878.7	.519E-03		IN
2855.0	.272E-04		SB	2879.1	1.000E-03		ER
2856.4	.597E-03		MN	2879.9	.353E-04		BR
2856.5	.755E-04		NI	2880.3	.495E-04		MG
2857.3	.207E-04		PT	2880.3	.125E-03		W
2857.9	.219E-04		I	2881.3	.281E-04		I
2858.0	.582E-04		K	2882.1	.166E-03		HO
2858.2	.142E-03		ZN	2882.7	.576E-04		Y
2858.8	.486E-05		TL	2882.8	.135E-03		TM
2858.9	.925E-05		RB	2882.9	.971E-03		CO
2859.7	.311E-01		EU	2883.4	.391E-02		HG
2859.8	.693E-04		CU	2883.7	.117E-01		SM
2860.0	.362E-04		AS	2885.0	.300E-05		NB
2860.6	.180E-03		TM	2885.1	.245E-02		IR
2861.4	.969E-05		OS	2885.5	.347E-04		LA
2862.3	.326E-04		PT	2886.0	.285E-05		SN
2862.3	.152E-04		MO	2886.2	.124E-03		P
2862.7	.164E-02		NA	2888.0	.484E-05		OS
2862.8	.207E-04		CA	2888.4	.657E-04		SE
2863.0	.356E-03		HO	2888.5	.679E-04		PD
2863.1	.872E-04		P	2888.9	.384E-03		V
2863.2	.235E-03		LA	2890.2	.190E-04		SB
2863.5	.422E-03		MN	2890.6	.633E-03		AG
2864.1	.809E-03		AG	2891.9	.623E-03		IN
2864.4	.382E-01		CL	2892.0	.285E-04		GE
2864.5	.335E-04		RU	2892.4	.119E-03		K
2864.7	.123E-03		S	2893.3	.502E-03		ER
2865.0	.186E-04		Y	2893.5	.898E-04		TM
2865.1	.183E-04		TE	2893.6	.220E-04		MO
2865.7	.930E-02		DY	2893.6	.184E-03		NI
2865.7	.430E-03		ER	2893.7	.246E-04		CA
2866.9	.219E-04		I	2894.4	.228E-04		TE
2867.3	.273E-02		RH	2894.6	.375E-04		I
2867.6	.388E-03		CO	2895.3	.353E-03		YB
2869.9	.105E 00		GD	2895.9	.322E-02		CL
2870.7	.757E-02		DY	2895.9	.157E-03		TB
2871.5	.739E-03		SC	2896.2	.622E-04		PT
2873.3	.381E-04		TA	2896.7	.189E-04		BA
2873.3	.563E-03		SE	2897.9	.424E-04		LA
2873.8	.119E-03		FE	2899.8	.158E-03		GA
2873.8	.136E-03		YB	2899.9	.133E-04		Y
2873.9	.114E-04		ZR	2900.2	.127E-04		NB
2874.9	.164E-01		SM	2900.8	.134E-01		HG

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
2901.1	.379E-02		DY	2928.3	.296E-04		PT
2901.3	.117E-01		SM	2928.4	.528E-03		AG
2902.6	.174E-04		SR	2928.7	.115E-04		BA
2903.1	.409E-03		NA	2928.8	.152E-04		MO
2903.7	.564E-03		ND	2929.5	.996E-03		SC
2903.7	.969E-05		OS	2929.9	.484E-05		OS
2903.8	.210E 00		GD	2930.0	.697E-05		SN
2904.9	.243E-04		ZN	2930.8	.156E-01		EU
2905.0	.348E-05		SN	2931.1	.154E-02		S
2905.0	.412E-03		LU	2931.3	.310E-02		DY
2905.1	.121E-01		EU	2932.0	.135E-03		TM
2905.5	.434E-04		PR	2932.4	.109E-03		CU
2906.2	.936E-02		SM	2932.8	.407E-04		PD
2906.3	.202E-02		IR	2933.2	.152E-04		ZR
2907.2	.643E-03		SC	2933.6	.175E-03		W
2907.7	.274E-03		AU	2938.0	.626E-04		I
2908.5	.271E-03		YB	2938.2	.470E-04		AS
2909.5	.114E-03		TA	2938.5	.145E-04		OS
2909.5	1.000E-04		W	2938.9	.111E-04		MG
2910.7	.152E-04		MO	2939.5	.824E-03		ND
2911.6	.192E-03		TB	2940.1	.572E-04		TA
2914.2	.387E-03		AG	2942.2	.778E-04		TE
2915.1	.237E-04		MO	2942.3	.462E-03		YB
2915.3	.187E-04		I	2942.3	.751E-04		SE
2916.5	.278E-03		RE	2943.0	.112E-02		TI
2917.4	.420E-04		K	2943.7	.898E-04		TM
2919.2	.190E-03		HO	2945.8	.504E-04		BR
2919.4	.148E-03		GA	2946.3	.183E-03		PR
2920.6	.146E-01		HG	2947.0	.183E-03		AU
2921.2	.128E-04		CE	2947.5	.106E-02		HF
2921.5	.152E-04		ZN	2947.9	.352E-03		AG
2922.3	.335E-04		RU	2948.3	.228E-04		RU
2922.5	.367E-04		FE	2948.4	.186E-04		Y
2922.6	.403E-04		BR	2948.5	.444E-01		DY
2922.6	.734E-05		AL	2948.5	.465E-01		CD
2923.2	.950E-04		YB	2949.5	.362E-03		RE
2924.2	.182E-02		RH	2949.8	.202E-04		ZN
2924.4	.921E-03		HF	2949.8	.163E-02		SC
2924.4	.860E-04		Y	2950.2	.912E-04		CU
2924.8	.308E-05		RB	2951.5	.465E-01		CD
2925.3	.887E-04		LA	2952.0	.657E-04		SE
2925.6	.539E-03		MN	2952.6	.386E-04		GE
2925.8	.517E-04		K	2952.8	.625E-04		W
2926.7	.217E-02		CO	2953.3	.156E-01		EU
2927.2	.176E-03		TE	2953.7	.815E-04		PD
2927.2	.572E-04		TA	2954.0	.217E-02		CO
2927.3	.376E-05		NB	2955.6	.102E-03		FE
2927.6	.751E-04		SE	2955.8	.390E-03		ND
2927.9	.104E-03		GE	2956.1	.426E-04		CA
2927.9	.519E-03		IN	2956.4	.119E-03		AS

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
2957.3	.565E-04		SR	2983.4	.222E-04		ZN
2957.9	.969E-05		OS	2983.9	.827E-02		HG
2958.4	.412E-03		LU				
2958.8	.103E-04		P	2984.2	.144E-03		PD
2958.8	.678E-04		MO	2984.3	.120E 00		GD
2960.4	.323E-03		AL	2985.6	.186E-04		MO
2961.0	.126E-04		SN	2985.9	.734E-05		AL
2961.2	.434E-03		YB	2986.3	.285E-05		SN
2961.4	.424E-04		LA	2988.0	.412E-04		TE
2962.5	.464E-05		ZR	2988.3	.525E-05		ZR
2962.5	.124E-03		V	2988.4	.127E-03		LA
2962.7	.894E-05		BA	2989.8	.434E-03		ND
2963.0	.563E-04		SE	2991.8	.451E-05		NB
2963.4	.241E-04		PR	2992.1	.133E-04		P
2963.6	.204E-04		MG	2993.0	.184E-03		K
2964.0	.418E-03		SC	2994.7	.205E-02		SC
2964.5	.244E-04		GE	2995.8	.847E-05		MO
2964.9	.223E-03		CS	2995.8	.404E-03		TM
2965.1	.144E-04		CE	2995.9	.178E-04		PT
2965.5	.316E-04		PD	2996.0	.563E-04		W
2965.8	.164E-01		SM	2996.2	.486E-05		TL
2965.9	.902E-05		NB	2996.2	.109E-02		CO
2967.8	.991E-04		NI	2996.8	.190E-04		SB
2968.3	.119E-03		HO	2997.2	.156E-04		I
2968.6	.103E-01		DY	2997.7	.649E-02		CL
2969.1	.519E-03		IN	2998.6	.178E-03		PR
2969.2	.788E-03		ER	2998.7	.860E-03		ER
2969.8	.437E-03		MN	3000.0	.310E 00		CD
2969.9	.308E-04		LA	3000.0	.104E-04		SN
2970.3	.216E-02		IR	3000.5	.999E-05		BA
2972.7	.629E-05		AL	3000.9	.117E-01		SM
2973.4	.565E-04		FE	3001.8	.339E-03		YB
2973.5	.289E-04		RU				
2973.5	.135E-01		CD	3002.4	.255E 00		GD
2974.0	.801E-04		TE	3003.2	.102E-02		MN
2974.4	.273E-02		RH	3003.4	.239E-04		CA
2975.3	.643E-02		CL	3003.6	.376E-05		NB
2976.4	.668E-04		BA	3004.0	.528E-03		AG
2976.7	.204E-03		YB	3009.5	.448E-03		SR
2977.0	.292E-05		TL	3010.0	.288E-04		MO
2977.0	.482E-04		PR	3010.7	.808E-04		K
2977.4	.270E-03		TM	3011.0	.296E-03		TB
2977.6	.720E-05		RB	3011.6	.103E-03		SE
2978.5	.117E-01		SM	3012.3	.347E-02		SC
2978.9	.124E-02		CO	3012.7	.250E-04		I
2979.7	.636E-04		TA	3013.4	.860E-03		ER
2980.5	.832E-04		AS	3013.4	.352E-03		AG
2981.8	.376E-05		NR	3013.6	.262E-01		DY
2982.4	.514E-03		NA	3014.9	.376E-05		NB
2983.2	.253E-03		SE	3015.8	.463E-02		CL

ENERGY KEV PHOTONS GM N/CM2 ELEMENT NAME

3015.9	213E-04	Y	3044.4	274E-04	RU
3016.5	208E-03	LA	3044.5	249E-04	SR
3016.8	138E-04	F	3044.5	135E-04	MO
3016.9	270E-03	TM	3045.1	578E-05	BA
3017.0	117E-01	SM	3046.4	513E-05	ZR
3018.0	104E-04	SN	3047.7	932E-03	ER
3018.4	439E-04	CE	3048.9	270E-03	TM
3018.9	155E-02	RH	3050.3	893E-03	CO
3019.9	434E-03	YB	3050.7	231E-02	IR
3020.6	282E-03	ND	3050.9	892E-04	TE
3021.9	145E-04	OS	3051.0	218E-02	SC
3022.3	510E-03	CR	3051.6	344E-02	DY
3022.6	244E-04	SB	3051.7	869E-03	YB
3022.6	860E-04	PT	3051.9	181E-04	F
3023.3	101E-04	MO	3052.4	838E-02	HG
3024.5	172E-04	ZN	3052.5	145E-04	OS
3025.7	755E-04	TE	3052.6	872E-01	CD
3026.2	560E-03	NA	3052.6	344E-04	I
3026.5	849E-04	NI	3053.0	386E-04	PR
3026.7	420E-04	K	3053.5	830E-03	IN
3026.8	264E-02	TI	3053.7	149E-03	CU
3028.1	104E-03	GE	3054.1	169E-03	MG
3029.7	338E-04	PR	3054.1	346E-04	Y
3030.5	407E-01	CD	3054.1	771E-04	LA
3030.5	500E-04	W	3054.3	294E-03	W
3030.7	905E-04	PD	3054.5	360E-05	RB
3031.5	244E-04	RU	3054.6	549E-04	SI
3031.7	131E-02	SC	3055.2	362E-03	RE
3032.3	241E-04	SR	3055.7	656E-03	K
3032.9	317E-05	SN	3057.1	108E-04	SR
3033.0	827E-05	NB	3057.6	665E-05	SN
3033.5	141E-04	FE	3058.3	239E-03	P
3034.0	207E-03	V	3058.7	237E-04	MO
3034.0	217E-04	SB	3059.3	814E-03	HF
3034.2	225E-03	TM	3059.7	504E-03	LU
3034.4	305E-03	AL	3060.2	393E-03	MN
3035.2	177E-04	Y	3060.6	318E-04	TA
3035.7	217E-01	DY	3061.5	183E-04	RU
3036.1	788E-03	ER	3062.1	311E-04	FE
3036.4	354E-03	LA	3062.2	267E-04	PT
3037.2	209E-03	TB	3062.2	210E-01	CL
3037.3	219E-04	I	3062.5	326E-04	AS
3037.6	454E-04	BR	3062.9	117E-01	SM
3038.0	936E-02	SM	3063.0	180E 00	GD
3038.8	127E-03	GA	3063.0	387E-03	AG
3039.9	139E-03	K	3063.5	217E-04	SB
3041.3	214E-03	HO	3064.1	183E-04	TE
3041.5	101E-03	PT	3064.9	386E-04	PR
3041.7	131E-03	SE	3067.3	976E-05	Y
3042.1	849E-04	NI	3067.5	668E-05	RB

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
3067.8	.129E-02		ER	3097.9	.699E-03		CO
3068.4	.543E-04		PD	3098.1	.135E-02		NA
3068.9	.213E-01		CD	3098.2	.107E-04		TL
3069.6	.354E-04		ZN	3098.3	.300E-05		NB
3070.3	.681E-05		TL	3098.9	.195E-03		RE
3071.0	.291E-04		K	3099.0	.629E-03		TM
3071.3	.127E-01		DY	3099.3	.138E-01		EU
3072.7	.357E-03		SE	3099.4	.219E-03		K
3074.3	.335E-02		HG	3099.5	.303E-03		ND
3074.4	.318E-04		F	3101.4	.432E-04		SI
3075.0	.121E-01		EU	3101.7	.101E-03		V
3076.1	.122E-03		TB	3103.0	.668E-03		AG
3076.8	.539E-05		SN	3103.3	.657E-04		I
3076.9	.500E-04		W	3103.9	.186E-03		FE
3077.2	.563E-03		AG	3106.0	.504E-04		BR
3077.7	.137E-04		RU	3106.0	.113E-04		RB
3078.1	.451E-05		NB	3106.0	.578E-03		SC
3079.4	.264E-04		GE	3107.2	.610E-04		GE
3079.4	.206E-04		TE	3108.9	.217E 00		CD
3080.6	.186E-04		Y	3109.4	.244E-03		AU
3080.7	.850E-03		HF	3109.5	.503E-04		TE
3081.3	.625E-04		W	3110.0	.310E-04		Y
3081.4	.623E-03		IN	3110.2	.476E-05		ZR
				3110.6	.949E-04		HO
3082.6	.501E-03		LA	3111.2	.246E-03		GA
3083.5	.501E-03		TI	3111.5	.332E-04		SR
3084.3	.178E-04		PT	3111.5	.657E-04		SE
3084.9	.435E-04		SB	3113.1	.227E-03		LA
3085.1	.936E-02		SM	3113.2	.115E-04		BA
3085.5	.839E-05		AL	3113.8	.139E-03		RE
3085.5	.932E-03		SC	3114.8	.930E-02		DY
3086.3	.297E-04		CA	3114.9	.142E-04		NB
3086.5	.185E-04		SI	3115.4	.830E-03		IN
3087.0	.388E-03		CO	3116.0	.801E-02		CL
3087.5	.149E-02		YB	3116.3	.167E-03		TI
3087.8	.158E-04		P	3116.4	.120E-04		SI
3087.9	.175E-02		CL	3117.0	.137E-03		NA
3088.5	.539E-05		SN	3117.1	.814E-04		YB
3090.6	.342E-04		CE	3117.3	.267E-04		PT
3090.8	.108E-04		SR	3117.5	.546E-03		SC
3091.6	.826E-04		CR	3117.9	.668E-03		AG
3091.8	.125E-03		TE	3119.2	.500E-04		W
3092.5	.894E-05		BA	3120.3	.233E-04		ZN
3094.0	.304E-04		ZN	3120.7	.117E-01		SM
3095.3	.244E-02		ER	3121.1	.141E-04		FE
3095.6	.876E-04		W	3121.9	.391E-04		P
3095.7	.484E-05		OS	3121.9	.253E-05		SN
3096.6	.913E-03		RH	3122.2	.313E-04		I
3097.6	.186E-04		Y	3123.1	.422E-03		AG
3097.7	.234E-01		SM	3123.1	.657E-04		SE



ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
3123.7	.213E-04		RU	3152.0	.151E-04		P
3124.1	.315E-03		CS	3152.3	.285E-03		HO
3124.1	.160E-04		TE	3153.2	.668E-03		RE
3124.7	.684E-05		BA	3154.3	.288E-02		IR
3124.9	.480E-02		HG	3154.7	.185E-03		TE
3125.7	.486E-05		TL	3155.1	.507E-05		SN
3126.0	.854E-03		CO	3155.2	.203E-04		MO
3126.9	.119E-03		HO	3155.3	.225E 00		GD
3127.3	.504E-03		LU	3155.5	.451E-05		NB
3129.3	.195E-03		ND	3155.6	.163E-04		GE
3130.2	.565E-05		RB	3156.4	.145E-04		OS
3130.4	.164E-03		K	3157.1	.254E-04		TA
3130.4	.376E-05		NB	3157.2	.122E-03		SE
3130.9	.552E-03		GA	3157.3	.617E-05		RB
3131.0	.175E-03		TI	3157.3	.258E-04		K
3132.1	.187E-01		SM	3158.1	.117E-03		GA
3133.1	.508E-04		MO	3158.1	.913E-03		RH
3133.1	.474E-04		PT	3158.8	.223E-02		HG
3133.7	.708E-04		NI	3158.9	.514E-03		SC
3134.8	.579E-04		PR	3159.0	.241E-02		DY
3135.4	.914E-05		SR	3159.7	.489E-04		SB
3135.5	.203E-04		CE	3160.3	.197E-03		CS
3136.2	.360E-05		RB	3160.4	.999E-05		MG
3136.4	.318E-04		TA	3161.0	.155E-02		IN
3136.7	.244E-02		ER	3161.2	1.000E-04		W
3137.1	.162E-04		ZN	3161.5	.388E-03		CO
3137.7	.152E-04		RU	3161.9	.316E-04		PD
3139.5	.148E-04		MG	3162.2	.887E-04		LA
3140.2	.875E-04		CU	3163.4	.114E-03		Y
3140.9	.484E-05		OS	3164.9	.285E-03		YB
3141.0	.325E-04		GE	3165.3	.267E-04		PT
3142.9	.165E-03		LA	3165.5	.555E-04		BR
3143.0	.434E-03		YB	3165.6	.674E-03		TM
3143.2	.300E-05		NB	3166.3	.142E-03		HO
3143.9	.944E-05		AL	3167.4	.676E-04		PR
3144.1	.115E-04		Y	3168.0	.321E-03		SC
3144.4	.349E-03		MN	3168.0	.140E-04		P
3144.6	.273E-04		BA	3168.4	.103E-04		CE
3144.6	.313E-04		I	3168.6	.281E-03		AG
3145.4	.296E-04		PT	3169.0	.140E-03		GA
3145.6	.290E-02		HG	3169.3	.876E-04		FE
3147.3	.499E-03		ND	3169.5	.412E-05		SN
3147.6	.458E-03		LU	3169.9	.139E-03		TB
3147.6	.114E-04		ZR	3170.5	.724E-04		PD
3148.7	.482E-02		DY	3170.5	.344E-02		DY
3148.7	.183E-03		AU	3170.5	.788E-03		ER
3148.8	.769E-04		PD	3172.2	.569E-04		GE
3149.6	.676E-04		PR	3173.2	.124E-02		HF
3150.4	.193E-01		CD	3174.0	.163E-03		YB
3151.5	.613E-04		NI	3174.7	.766E-04		CU

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
3175.2	.111E-03		RE	3200.4	.224E-04		GE
3175.6	.305E-03		AU	3200.5	.135E-04		MO
3176.0	.657E-04		SE	3200.8	.158E-02		CL
3176.2	.356E-04		PT	3201.7	.213E-03		AU
3176.2	.270E-04		LA	3203.6	.408E-03		MN
3176.5	.172E-02		DY	3204.1	.454E-04		BR
3176.6	.708E-05		ZR	3205.8	.573E-03		ER
3176.8	.194E-04		OS	3207.3	.162E-03		W
3177.2	.117E-01		SM	3208.1	.152E-04		ZN
3178.2	.976E-05		Y	3208.6	.936E-02		SM
3178.6	.284E-03		CR	3208.9	.109E-02		HF
3179.5	.178E-04		BA	3209.1	.684E-05		BA
3182.4	.217E-03		ND	3209.4	.147E-04		MG
3182.4	.132E-03		NI	3210.0	.281E-04		I
3182.7	.116E-01		CD	3211.1	.275E-03		LU
3183.6	.302E-04		BR	3211.5	.203E-04		GE
3184.1	.274E-04		TE	3213.1	.387E-03		AG
3184.7	.702E-05		MG	3213.5	.214E-03		NA
3185.4	.698E-04		P	3213.9	.406E-04		MO
3185.7	.404E-03		TM	3215.1	.139E-03		RE
3185.9	.390E-01		HG	3215.1	.798E-05		Y
3186.0	.135E-04		MO	3215.5	.241E-02		DY
3186.2	.186E-03		FE	3215.9	.469E-04		SE
3186.5	.751E-04		I	3216.4	.142E-01		HG
3186.6	.244E-03		AU	3216.8	.430E-03		ER
3187.2	.272E-03		SE	3217.2	.206E-02		CO
3187.6	.139E-03		RE	3217.3	.724E-04		PD
3189.0	.814E-04		YB	3218.2	.950E-01		CD
3189.4	.262E-03		LA	3218.3	.123E-03		LA
3189.8	.207E-04		SR	3219.1	.549E-04		RU
3190.1	.936E-02		SM	3219.1	.756E-04		SR
3190.8	.162E-03		W	3219.7	.954E-04		TA
3191.4	.182E-04		ZN	3220.6	.114E-04		P
3192.3	.101E-03		PR	3220.8	.187E-02		S
3193.7	.210E-04		NB	3220.9	.353E-04		BR
3193.7	.358E-03		ER	3221.0	.991E-04		NI
3194.5	.190E-02		CO	3221.4	.579E-04		PR
3195.3	.157E-03		TB	3222.0	.578E-03		SC
3195.7	.147E-04		BA	3222.3	.118E-04		RB
3196.0	.507E-05		SN	3222.5	.135E-03		TM
3198.2	.308E-05		RB	3222.6	.961E-04		TE
3198.2	.103E-02		IN	3222.7	.109E-02		RH
3198.5	.190E-04		SB	3224.2	.688E-04		W
3198.6	.413E-02		DY	3224.5	.679E-04		YB
3198.7	.271E-04		PD	3224.8	.749E-01		GD
3198.7	.821E-03		RH	3225.2	.969E-05		OS
3199.1	.629E-03		TM	3225.6	.110E-04		BA
3199.4	.388E-04		K	3225.8	.452E-04		FE
3199.5	.390E-03		ND	3227.3	.211E-01		SM
3199.9	.109E-04		CE	3227.5	.451E-05		NB

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
3227.8	.869E-04		PR	3259.9	.186E-04		MO
3228.0	.860E-04		PD	3260.8	.105E-04		NB
3230.0	.296E-04		PT	3262.6	.119E-04		F
3230.0	.183E-03		AU	3262.7	.122E-03		YB
3230.2	.317E-05		SN	3262.7	.724E-03		K
3230.7	.150E-04		Y	3263.1	.172E-04		ZN
3230.9	.217E-03		ND	3263.5	.165E-03		CR
3231.1	.638E-03		TI	3263.9	.326E-04		AS
3233.3	.445E-04		TA	3264.3	.469E-04		SE
3233.3	.543E-04		AS	3265.0	.548E-03		AU
3233.5	.486E-05		TL	3265.3	.183E-04		RU
3234.7	.193E-01		CD	3265.3	.185E-03		LA
3235.7	.489E-04		SB	3265.7	.166E-03		V
3236.6	.169E-04		MO	3265.8	.250E-02		SC
3236.7	.502E-03		ER	3265.9	.802E-04		NI
3236.7	.150E-03		GA	3266.4	.275E-03		LU
3236.9	.899E-01		GD	3267.1	.140E-03		PD
3237.5	.233E-04		CA	3267.5	.241E-04		AL
3237.5	.640E-04		TE	3267.5	.121E-02		MN
3238.1	.544E-03		CO	3267.6	.623E-03		IN
3239.0	.320E-04		RU	3267.8	.336E-03		FE
3239.1	.625E-04		W	3267.9	.117E-01		SM
3239.3	.969E-05		OS	3268.5	.482E-04		PR
3239.5	.124E-01		DY	3268.6	.112E-01		HG
3240.4	.593E-04		FE	3269.1	.620E-03		CL
3240.7	.451E-05		NB	3269.1	.221E-05		SN
3240.9	.200E-04		CA	3269.6	.358E-03		ER
3242.2	.103E-03		SE	3269.8	.977E-05		ZR
3242.8	.126E-04		BA	3270.0	.959E-04		GA
3244.5	.630E-04		GE	3270.6	.190E-03		TI
3244.8	.314E-03		TM	3271.6	.813E-04		W
3244.9	.111E-03		RE	3272.7	.302E-04		BR
3245.7	.823E-05		RB	3272.7	.169E-04		MO
3246.5	.964E-03		SC	3273.4	.969E-02		CD
3247.8	.457E-03		AG	3273.8	.216E-03		P
3248.1	.157E-03		TB	3274.1	.969E-05		OS
3248.1	.326E-04		AS	3275.8	.399E-01		DY
3248.2	.204E-03		YB	3276.1	.104E-01		EU
3248.8	.543E-04		PD	3276.7	.687E-04		AS
3249.2	.190E-05		SN	3276.8	.668E-03		AG
3249.9	.841E-05		BA	3277.0	.407E-04		GE
3251.5	.622E-04		PT	3277.1	.216E-04		SR
3253.2	.147E-02		CL	3277.7	.270E-03		TM
3253.5	.353E-04		BR	3278.8	.892E-05		SI
3253.9	.890E-04		TA	3279.6	.162E-03		NA
3255.0	.140E-01		SM	3279.8	.729E-04		CU
3255.7	.292E-04		Y	3280.0	.131E-03		SE
3257.3	.193E-01		CD	3281.2	.412E-05		SN
3257.6	.119E-03		HO	3281.2	.868E-03		SC
3259.2	.241E-04		PR	3281.7	.154E-03		LA

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
3282.0	.623E-03		IN	3309.2	.164E-01		SM
3283.2	.639E-04		Y	3309.3	.868E-03		SC
3283.5	.167E-02		CO	3309.8	.113E-04		FE
3284.1	.178E-04		PT	3310.1	.451E-03		HO
3284.3	.617E-05		RB	3310.1	.506E-04		AS
3285.2	.289E-04		PR	3310.2	.407E-04		PD
3285.5	.137E-04		TE	3310.7	.t60E-05		RB
3286.8	.204E-03		YB	3311.0	.528E-03		AG
3287.5	.719E-04		ZN	3311.3	.131E-03		W
3288.0	.108E-03		ND	3311.7	.474E-04		PT
3288.9	.361E-01		HG	3311.9	.438E-04		I
3289.4	.142E-04		CA	3312.3	.101E-04		MO
3290.1	.187E-04		I	3313.6	.131E-04		ZN
3291.2	.387E-03		AG	3313.9	.241E-03		PR
3291.9	.763E-04		TA	3315.7	.194E-04		CE
3292.1	.190E-03		HO	3315.8	.152E-03		AU
3292.2	.158E-05		SN	3315.9	.151E-03		ND
3292.5	.876E-04		FE	3316.1	.158E-02		CL
3292.7	.216E-02		IR	3316.5	.861E-02		DY
3293.3	.102E-02		CL	3317.2	.193E-03		CU
3294.3	.122E-04		RU	3317.4	.353E-04		BR
3294.5	.362E-04		PD	3318.1	.232E-04		SR
3295.2	.730E-03		RH	3318.1	.162E-04		P
3295.6	.122E-02		ER	3318.3	.358E-03		ER
3295.7	.563E-04		SE	3319.1	.111E-03		LA
3296.0	.519E-04		NI	3319.2	.160E-04		TE
3296.0	.104E-01		EU	3319.8	.120E-04		MG
3296.7	.317E-05		ZR	3319.9	.789E-05		BA
3298.5	.375E-04		W	3320.8	.111E-03		RE
3299.1	.108E-03		ND	3321.1	.277E-03		MN
3299.2	.163E-04		GE	3321.4	.625E-04		RU
3300.1	.389E-04		MO	3322.3	.376E-05		NB
3300.6	.959E-04		GA	3322.7	.898E-04		TM
3301.1	.116E-03		MG	3323.8	.407E-04		PD
3301.4	.116E-03		Y	3324.5	.211E-01		SM
3302.1	.124E-04		SR	3324.9	.320E-03		LU
3303.4	.114E-04		P	3325.1	.216E-02		IR
3303.9	.316E-04		PD	3325.3	.213E-03		AU
3304.3	.137E-04		TE	3326.0	.198E-04		FE
3304.4	.252E-03		K	3326.9	.114E-03		TA
3304.7	.435E-04		AL	3327.7	.155E-03		K
3305.2	.300E-05		NB	3328.1	.375E-04		W
3305.2	.789E-05		BA	3329.0	.679E-03		YB
3305.9	.380E-03		YB	3329.1	.190E-03		TI
3306.3	.117E-04		SI	3329.9	.271E-04		MO
3307.0	.563E-04		SE	3331.0	.104E 00		CD
3307.1	.167E-03		TI	3331.1	.300E-05		NB
3308.0	.909E-05		B	3331.4	.145E-02		IN
3308.1	.105E 00		GD	3331.8	.152E-04		ZN
3309.2	.139E-03		RE	3332.2	.751E-04		SE

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
3332.7	.137E-04		TE	3354.5	.190E-03		HO
3332.8	.369E-03		ND	3354.5	.411E-05		RB
3332.8	.257E-05		RR	3354.6	.115E-04		Y
3332.9	.106E-02		HF	3354.7	.615E-04		AS
3333.0	.395E-02		CL	3355.0	.190E-05		SN
3333.6	.201E-03		V				
3334.1	.299E-04		SB	3356.6	.801E-03		YB
3334.1	.194E-04		OS	3356.7	.149E-04		SR
3334.1	.183E-04		RU	3356.9	.819E-04		FE
3334.3	.320E-04		SN	3357.1	.306E-03		RE
3334.7	.798E-05		Y	3358.3	.655E-04		LA
3335.2	.124E-02		CO	3358.5	.321E-03		SC
3336.5	.860E-03		ER	3359.1	.375E-04		W
3336.5	.813E-04		GE	3359.4	.902E-05		NB
3336.6	.140E-03		PD	3360.3	.968E-05		MG
3336.7	.133E-04		P	3360.5	.655E-04		RU
3336.8	.145E-03		K	3361.4	.969E-05		OS
3336.9	.878E-05		CE	3361.4	.466E-04		ZN
3337.4	.291E-04		SR	3361.8	.125E-04		I
3339.1	.326E-04		BA	3361.9	.201E-04		BR
3339.3	.494E-03		TM	3362.0	.573E-03		ER
3339.6	.118E-04		P	3364.5	.323E-04		K
3341.0	.212E-04		ZN	3364.9	.136E-04		SB
3341.4	.601E-05		NB	3365.2	.631E-05		BA
3342.3	.114E-04		ZR	3365.4	.412E-04		TE
3342.4	.274E-02		IR	3365.5	.455E-03		ND
3342.8	.308E-04		LA	3365.7	.749E-01		GD
3343.8	.106E-04		RU	3366.1	.130E-03		PR
3343.9	.454E-04		BR	3366.5	.244E-03		AU
3346.7	.138E-01		EU	3366.7	.563E-04		SE
3346.9	.164E-03		TE	3367.2	.152E-04		MO
3347.0	.889E-03		MN	3367.3	.519E-04		NI
3347.3	.278E-04		AL	3368.2	.217E-03		BE
3347.7	.749E-01		GD	3368.3	.229E-04		P
3348.2	.763E-04		TA	3369.0	.178E-04		PT
3348.4	.469E-04		SE	3369.2	.451E-05		NB
3348.5	.375E-04		W	3369.7	.122E-03		TB
3349.0	.991E-04		NI	3369.9	.105E-03		AS
3349.5	.861E-02		DY	3370.4	.363E-03		S
3349.7	.126E-03		K	3370.5	.563E-03		NA
3350.3	.163E-04		SB	3370.9	.109E-03		YB
3350.6	.508E-05		MO	3371.1	.191E-04		CE
3351.0	.186E-02		IN	3371.5	.135E-03		TM
3351.9	.229E-03		LU	3371.7	.199E-04		SR
3352.1	.434E-04		PR	3372.0	.149E-04		ZR
3352.3	.118E-02		RH	3372.2	.190E-05		SN
3353.0	.246E-04		CA	3372.5	.308E-04		LA
3353.1	.804E-02		HG	3372.9	.816E-03		MN
3353.3	.186E-02		IN	3373.4	.438E-03		GA
3353.7	.898E-04		TM	3373.9	.281E-04		I

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
3374.0	.157E-03		TB	3398.7	.856E-04		S
3374.3	.271E-02		CL	3399.0	.293E-04		ZN
3374.5	.830E-03		IN	3400.0	.623E-03		IN
3375.3	.387E-03		AG	3401.1	.509E-04		TA
3376.4	.200E-03		W	3401.3	.362E-04		PD
3376.9	.207E-02		DY	3402.2	.678E-05		MO
3377.2	.915E-04		GE	3402.3	.969E-05		OS
3377.4	.450E-03		SC	3402.4	.913E-03		RH
3377.9	.116E-01		CD	3402.6	.869E-04		PR
3378.0	.164E-01		SM	3403.3	.285E-05		SN
3379.4	.182E-04		ZN	3403.4	.326E-04		AS
3379.7	.113E-04		FE	3404.0	.749E-01		GD
3379.7	.509E-04		TA	3404.2	.117E-01		SM
3380.1	.291E-02		CO	3404.3	.226E-03		K
3380.6	.297E-04		TE	3406.5	.207E-04		PT
3380.8	.683E-04		Y	3406.7	.241E-02		DY
3382.1	.190E-03		HO	3408.5	.492E-02		MN
3382.6	.145E-03		K	3409.1	.625E-04		W
3383.0	.175E-03		NI	3409.9	.564E-03		ND
3383.2	.389E-05		TL	3410.7	.292E-05		TL
3384.4	.578E-04		LA	3411.6	.240E-03		NA
3385.1	.403E-04		BR	3413.6	.848E-04		MG
3385.8	.914E-05		SR	3413.7	.474E-04		CU
3386.0	.686E-04		RU	3413.7	.308E-05		RB
3386.1	.482E-04		PR	3413.8	.899E-01		GD
3386.5	.969E-05		OS	3413.8	.424E-03		FE
3386.9	.244E-03		SE	3413.9	.150E-03		SE
3387.1	.105E 00		GD	3414.2	.213E-03		AU
3387.3	.937E-03		YB	3414.4	.362E-04		PD
3387.3	.148E-04		PT	3414.7	.598E-03		AG
3388.5	.702E-02		SM	3414.7	.121E-01		EU
3388.6	.263E-04		NB	3415.5	.610E-03		SC
3389.2	.190E-05		SN	3415.8	.201E-02		HG
3389.8	.492E-03		AG	3416.1	.702E-02		SM
3390.5	.452E-04		PD	3416.5	.160E-04		TE
3391.0	.771E-05		RB	3416.7	.335E-04		RU
3392.1	.107E-02		ER	3417.1	.252E-04		BR
3392.8	.179E-02		HG	3417.6	.470E-04		AS
3393.0	.120E-04		AL	3418.0	.119E-03		HO
3393.6	.104E-01		EU	3418.7	.219E-04		I
3393.6	.115E-03		CR	3419.0	.124E-01		DY
3393.7	.549E-03		LU	3419.6	.887E-04		V
				3420.5	.451E-05		NB
3396.3	.964E-03		SC	3420.7	.161E-03		GA
3397.0	.396E-04		FE	3421.1	.190E-05		SN
3397.3	.412E-04		TE	3422.6	.125E-03		W
3397.3	.578E-05		BA	3424.7	.465E-04		SR
3397.6	.166E-04		SR	3424.9	.665E-03		YB
3397.8	.438E-04		I	3425.0	.239E-03		LA
3398.0	.190E-04		SB	3425.8	.314E-03		TM

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
3425.9	.504E-04		PT	3452.3	.536E-03		K
3426.0	.727E-03		IN	3452.4	.166E-04		SR
3426.4	.257E-02		HG	3452.4	.141E-04		CE
3427.1	.482E-04		PR	3452.5	.169E-04		MO
3427.1	.430E-03		ER	3452.8	.936E-02		SM
3428.3	.291E-04		K	3453.1	.168E-02		HG
3428.4	.116E-01		CD	3453.9	.573E-04		NA
3429.1	.508E-02		CL	3454.1	.949E-04		HO
3429.6	.366E-04		GE	3455.7	.275E-03		LU
3429.7	.316E-04		PD	3456.2	.113E-04		FE
3430.8	.676E-05		NB	3457.4	.335E-03		MN
3431.1	.462E-05		RB	3457.6	.902E-05		NB
3432.2	.344E-04		I	3458.4	.196E-02		SC
3432.4	.892E-05		SI	3459.0	.577E-04		ZN
3435.0	.191E-04		CE	3459.1	.171E-03		CS
3435.0	.113E-03		CU	3459.2	.177E-04		SN
3435.9	.684E-04		BA	3459.4	.116E-01		CD
3436.2	.519E-03		IN	3459.5	.108E-03		ND
3436.5	.116E-04		CA	3460.3	.578E-04		LA
3436.9	.190E-05		SN	3461.9	.278E-03		RE
3437.0	.192E-04		ZN	3463.3	.225E-03		TM
3437.2	.166E-03		HO	3463.4	.149E-03		YB
3437.4	.381E-03		FE	3464.3	.932E-03		ER
3438.3	.318E-04		TA	3464.9	.316E-04		PD
3438.4	.123E-04		ZR	3465.1	.584E-05		TL
3438.6	.702E-02		SM	3465.5	.108E-04		SR
3440.0	.135E-03		TM	3465.5	.225E-03		AL
3440.5	.146E-03		LA	3465.7	.259E-04		RU
3441.0	.347E-03		SE	3465.9	.194E-04		OS
3441.1	.316E-04		PD	3466.4	.252E-04		BR
3441.8	.969E-02		CD	3466.7	.724E-04		PR
3442.4	.913E-03		RH	3467.2	.122E-03		SE
3442.6	.521E-03		ND	3468.7	.895E-04		NA
3444.1	.365E-04		P	3468.9	.467E-04		CR
3444.4	.749E-04		BE	3469.1	.172E-02		DY
3444.6	.139E-03		RE	3469.2	.388E-03		CO
3444.7	.434E-01		DY	3470.1	.113E-04		FE
3445.2	.663E-04		TE	3470.7	.594E-03		W
3445.6	.497E-04		Y	3473.8	.101E-04		MO
3446.1	.678E-05		MO	3474.7	.153E-04		ZR
3446.3	.602E-03		HF	3474.7	.190E-05		SN
3446.3	.876E-04		W	3475.5	.178E-02		TI
3446.8	.670E-03		AU	3476.9	.564E-03		CL
3447.0	.466E-03		CO	3476.9	.206E-04		TE
3448.7	.358E-03		ER	3477.8	.137E-03		GA
3449.1	.302E-04		BR	3477.9	.310E-04		Y
3450.6	.898E-04		TM	3477.9	.723E-02		DY
3450.7	.292E-05		TL	3477.9	.208E-03		LA
3451.0	.386E-04		PR	3478.0	.272E-04		SB
3451.3	.387E-03		AG	3478.3	.434E-04		AS

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
3478.4	.117E-04		MG	3503.1	.602E-05		SN
3478.5	.578E-05		BA	3503.5	.485E-03		V
3478.8	.452E-04		K	3503.8	.394E-04		BA
3478.9	.578E-03		SC	3503.9	.111E-03		RE
3479.5	.224E-04		GE	3504.3	.679E-04		YB
3480.2	.105E-04		NB	3504.7	.318E-03		NA
3480.3	.151E-03		ND	3504.8	.113E-03		NI
3481.4	.564E-03		CL	3505.0	.108E-04		B
3482.1	.151E-04		P	3505.1	.237E-03		HO
3483.1	.385E-03		SE	3505.4	.103E-04		CE
3483.6	.237E-02		RH	3505.4	.533E-04		RU
3483.8	.474E-04		CU	3506.5	.457E-03		AU
3484.7	.285E-05		SN	3506.6	.362E-04		PD
3484.7	.893E-03		CO	3507.3	.819E-04		FE
3484.8	.142E-03		HO	3507.6	.150E-04		NB
3485.6	.565E-05		RB	3508.6	.231E-04		LA
3485.7	.156E-04		I	3508.6	.381E-04		TA
3485.9	.358E-03		ER	3509.8	.583E-04		CU
3487.4	.107E-03		FE	3510.1	.543E-04		YB
3488.0	.457E-03		AG	3510.1	.305E-04		GE
3488.2	.610E-04		CR	3510.6	.118E-03		W
3488.7	.253E-04		F	3510.6	.898E-04		TM
3488.8	.390E-04		SR	3510.8	.220E-04		MO
3489.1	.251E-04		TE	3511.2	.864E-02		EU
3489.4	.365E-03		AU	3511.3	.287E-03		ER
3489.7	.387E-01		CD	3511.3	.187E-04		I
3491.0	.220E-04		MO	3513.0	.165E-03		CR
3491.4	.302E-04		BR	3513.2	.228E-04		RU
3492.1	.413E-02		DY	3515.2	.812E-05		MG
3492.5	.119E-04		CE	3516.2	.969E-05		OS
3492.7	.172E-04		LI	3517.8	.122E-03		SE
3493.1	.376E-05		NB	3519.6	.142E-04		GE
3493.7	.950E-04		YB	3519.9	.180E-03		TM
3494.0	.231E-03		W	3520.5	.710E-05		Y
3495.2	.519E-03		IN	3520.9	1.000E-04		BR
3497.5	.281E-04		I	3521.2	.271E-03		K
3497.5	.142E-04		GE	3521.8	.389E-05		TL
3498.2	.251E-04		TE	3522.3	.906E-05		F
3498.7	.858E-05		MG	3522.8	.535E-03		P
3498.9	.976E-03		MN	3523.1	.599E-01		GD
3499.3	.824E-05		SI	3523.3	.457E-03		AG
3499.6	.106E-02		SC	3523.5	.724E-04		PD
3500.1	.570E-02		HG	3523.7	.257E-03		SC
3500.7	.171E-03		GA	3524.0	.199E-04		SR
3501.1	.116E-01		CD	3524.4	.218E-03		GA
3502.2	.190E-04		SB	3525.6	.789E-05		BA
3502.2	.412E-02		CL	3526.2	.171E-03		CS
3502.4	.668E-03		AG	3526.4	.274E-03		K
3502.5	.124E-04		ZR	3527.0	.763E-04		TA
3502.7	.241E-04		PR	3527.3	.221E-05		SN



ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM <sup>2</sup>			GM	N/CM <sup>2</sup>	
3527.7	.241E-02		DY	3554.2	.107E-02		TI
3528.0	.712E-04		HO	3554.6	.139E-03		RE
3529.4	.710E-05		Y	3554.8	.727E-03		IN
3529.6	.228E-04		TE	3555.4	.211E-03		AG
3529.7	.123E-04		LI	3555.5	.408E-03		MN
3530.3	.839E-05		AL	3556.3	.868E-03		SC
3530.4	.898E-04		TM	3556.4	.190E-04		SB
3530.5	.441E-03		N	3556.6	.826E-02		DY
3530.6	.702E-02		SM	3556.8	.219E-03		V
3531.6	.108E-04		ZR	3558.9	.183E-03		AU
3531.7	.620E-03		CL	3559.3	.112E-04		NB
3532.3	.106E-04		RU	3560.2	.279E-02		HG
3534.1	.159E-03		PR	3561.2	.620E-04		CU
3534.1	.532E-04		I	3561.8	.660E-03		CO
3534.4	.463E-03		W	3561.8	.215E-04		AL
3534.5	.349E-03		V	3561.8	.609E-02		CL
3535.9	.182E-04		ZN	3561.9	.244E-03		W
3536.0	.310E-02		DY	3561.9	.897E-04		NI
3536.1	.468E-02		SM	3562.0	.796E-05		MG
3537.0	.103E-03		SE	3562.5	.164E-01		SM
3538.2	.673E-03		HF	3564.0	.540E-04		LA
3538.9	.909E-05		CE	3564.3	.141E-04		FE
3539.3	.273E-02		SI	3565.1	.152E-04		ZN
3539.3	.362E-04		AS	3565.7	.599E-01		GD
3540.1	.283E-04		FE	3566.0	.192E-03		GA
3542.0	.639E-03		RH	3566.9	.190E-05		SN
3542.0	.390E-04		SR	3568.2	.231E-03		YB
3542.4	.257E-05		RB	3568.8	1.000E-04		K
3542.7	.225E-03		TM	3569.5	.180E-03		TM
3543.5	.422E-03		AG	3569.9	.257E-03		SC
3544.0	.270E-03		TE	3570.3	.455E-03		ND
3544.5	.676E-05		NB	3571.3	.484E-05		OS
3544.6	.152E-04		RU	3572.1	.755E-04		TE
3544.9	.155E-02		IN	3574.4	.241E-02		DY
3545.0	.692E-04		Y	3575.5	.475E-03		HO
3546.2	.285E-05		SN	3578.0	.112E-03		W
3546.2	.698E-01		CD	3579.0	.786E-03		V
3546.6	.137E-03		NA	3579.7	.898E-04		TM
3546.6	.137E-02		K	3579.9	.708E-05		ZR
3547.6	.101E-04		MO	3580.2	.691E-02		EU
3548.4	.302E-04		BR	3580.5	.506E-04		AS
3549.6	.531E-05		MG	3580.8	.306E-03		MN
3550.5	.917E-04		PR	3580.8	.223E-03		CS
3551.0	.362E-04		P	3580.9	.302E-04		BR
3552.3	.225E-03		SE	3581.4	.775E-02		CD
3552.7	.168E-04		Y	3581.8	.501E-04		LA
3553.2	.651E-04		GE	3582.3	.281E-03		AG
3553.5	.121E-01		EU	3582.4	.113E-04		FE
3553.9	.296E-04		PT	3583.0	.671E-04		GE
3554.0	.108E-03		ND	3583.6	.563E-04		PT

ENERGY	PHOTONS	GM N/CM2	KEYV	ENERGY	PHOTONS	GM N/CM2	KEYV	ENERGY	PHOTONS	GM N/CM2	KEYV	ENERGY	PHOTONS	GM N/CM2	KEYV	ENERGY	PHOTONS	GM N/CM2	KEYV
3583.8	135E 00		3608.6	3608.6	551E-03		3608.6	3583.8	GD		3608.6	3608.6	551E-03		3608.6	3583.8	GD		3608.6
3585.2	579E-03		3609.2	3609.2	163E-04		3609.2	3585.2	AU		3609.2	3609.2	163E-04		3609.2	3585.2	LI		3609.2
3585.7	140E-04		3609.7	3609.7	229E-03		3609.7	3585.7	CA		3609.7	3609.7	229E-03		3609.7	3585.7	CA		3609.7
3586.2	107E-03		3610.2	3610.2	296E-03		3610.2	3586.2	ZN		3610.2	3610.2	296E-03		3610.2	3586.2	ZN		3610.2
3586.5	402E-02		3610.6	3610.6	519E-03		3610.6	3586.5	HG		3610.6	3610.6	519E-03		3610.6	3586.5	HG		3610.6
3587.4	846E-03		3610.6	3610.6	147E-04		3610.6	3587.4	CL		3610.6	3610.6	147E-04		3610.6	3587.4	CL		3610.6
3587.4	223E-03		3610.7	3610.7	407E-04		3610.7	3587.4	RE		3610.7	3610.7	407E-04		3610.7	3587.4	RE		3610.7
3587.5	951E-05		3611.1	3611.1	412E-05		3611.1	3587.5	SN		3611.1	3611.1	412E-05		3611.1	3587.5	SN		3611.1
3587.7	631E-05		3611.1	3611.1	172E-04		3611.1	3587.7	BA		3611.1	3611.1	172E-04		3611.1	3587.7	BA		3611.1
3588.0	242E-02		3611.4	3611.4	569E-04		3611.4	3588.0	NA		3611.4	3611.4	569E-04		3611.4	3588.0	NA		3611.4
3589.0	206E-03		3611.6	3611.6	152E-04		3611.6	3589.0	SE		3611.6	3611.6	152E-04		3611.6	3589.0	SE		3611.6
3589.0	503E-04		3611.6	3611.6	893E-03		3611.6	3589.0	TE		3611.6	3611.6	893E-03		3611.6	3589.0	TE		3611.6
3589.3	748E-05		3611.9	3611.9	320E-04		3611.9	3589.3	SR		3611.9	3611.9	320E-04		3611.9	3589.3	SR		3611.9
3589.3	384E-04		3612.9	3612.9	601E-01		3612.9	3589.3	F		3612.9	3612.9	601E-01		3612.9	3589.3	F		3612.9
3589.3	300E-05		3614.2	3614.2	971E-03		3614.2	3589.3	NB		3614.2	3614.2	971E-03		3614.2	3589.3	NB		3614.2
3589.7	549E-04		3614.3	3614.3	639E-03		3614.3	3589.7	K		3614.3	3614.3	639E-03		3614.3	3589.7	K		3614.3
3589.8	219E-04		3614.3	3614.3	226E-04		3614.3	3589.8	I		3614.3	3614.3	226E-04		3614.3	3589.8	I		3614.3
3589.9	225E-03		3614.4	3614.4	615E-04		3614.4	3589.9	TM		3614.4	3614.4	615E-04		3614.4	3589.9	TM		3614.4
3590.0	448E-03		3614.6	3614.6	317E-03		3614.6	3590.0	YB		3614.6	3614.6	317E-03		3614.6	3590.0	YB		3614.6
3591.0	200E-03		3615.3	3615.3	353E-04		3615.3	3591.0	CU		3615.3	3615.3	353E-04		3615.3	3591.0	CU		3615.3
3591.0	111E-03		3615.7	3615.7	223E-03		3615.7	3591.0	RE		3615.7	3615.7	223E-03		3615.7	3591.0	RE		3615.7
3591.7	148E-03		3616.7	3616.7	437E-04		3616.7	3591.7	AL		3616.7	3616.7	437E-04		3616.7	3591.7	AL		3616.7
3591.8	1.000E-03		3617.6	3617.6	300E-05		3617.6	3591.8	RH		3617.6	3617.6	300E-05		3617.6	3591.8	RH		3617.6
3591.9	144E-02		3617.7	3617.7	284E-03		3617.7	3591.9	IR		3617.7	3617.7	284E-03		3617.7	3591.9	IR		3617.7
3592.1	103E-04		3618.5	3618.5	526E-05		3618.5	3592.1	CE		3618.5	3618.5	526E-05		3618.5	3592.1	CE		3618.5
3592.6	217E-03		3618.7	3618.7	215E-02		3618.7	3592.6	ND		3618.7	3618.7	215E-02		3618.7	3592.6	ND		3618.7
3594.0	206E-04		3619.8	3619.8	420E-04		3619.8	3594.0	P		3619.8	3619.8	420E-04		3619.8	3594.0	P		3619.8
3594.4	890E-04		3620.0	3620.0	905E-04		3620.0	3594.4	TA		3620.0	3620.0	905E-04		3620.0	3594.4	TA		3620.0
3596.3	102E-02		3620.1	3620.1	1.000E-03		3620.1	3596.3	SC		3620.1	3620.1	1.000E-03		3620.1	3596.3	SC		3620.1
3596.7	129E-03		3620.5	3620.5	124E-04		3620.5	3596.7	CR		3620.5	3620.5	124E-04		3620.5	3596.7	CR		3620.5
3596.9	415E-03		3620.7	3620.7	360E-05		3620.7	3596.9	IN		3620.7	3620.7	360E-05		3620.7	3596.9	IN		3620.7
3596.9	500E-04		3622.0	3622.0	936E-02		3622.0	3596.9	W		3622.0	3622.0	936E-02		3622.0	3596.9	W		3622.0
3597.4	407E-03		3622.3	3622.3	577E-05		3622.3	3597.4	CS		3622.3	3622.3	577E-05		3622.3	3597.4	CS		3622.3
3597.5	141E-04		3623.1	3623.1	147E-02		3623.1	3597.5	FE		3623.1	3623.1	147E-02		3623.1	3597.5	FE		3623.1
3598.2	453E-05		3623.2	3623.2	152E-04		3623.2	3598.2	MG		3623.2	3623.2	152E-04		3623.2	3598.2	MG		3623.2
3598.5	111E-03		3625.5	3625.5	207E-04		3625.5	3598.5	RE		3625.5	3625.5	207E-04		3625.5	3598.5	RE		3625.5
3598.6	555E-04		3626.6	3626.6	743E-03		3626.6	3598.6	BR		3626.6	3626.6	743E-03		3626.6	3598.6	BR		3626.6
3601.4	226E-02		3626.8	3626.8	422E-03		3626.8	3601.4	CL		3626.8	3626.8	422E-03		3626.8	3601.4	CL		3626.8
3602.1	198E-03		3627.1	3627.1	494E-03		3627.1	3602.1	PR		3627.1	3627.1	494E-03		3627.1	3602.1	PR		3627.1
3602.1	212E-02		3627.2	3627.2	543E-04		3627.2	3602.1	HG		3627.2	3627.2	543E-04		3627.2	3602.1	HG		3627.2
3604.1	898E-04		3627.7	3627.7	895E-02		3627.7	3604.1	TM		3627.7	3627.7	895E-02		3627.7	3604.1	TM		3627.7
3604.4	300E-05		3627.9	3627.9	122E-04		3627.9	3604.4	NB		3627.9	3627.9	122E-04		3627.9	3604.4	NB		3627.9
3604.4	291E-04		3630.3	3630.3	133E-04		3630.3	3604.4	K		3630.3	3630.3	133E-04		3630.3	3604.4	K		3630.3
3606.3	576E-04		3630.3	3630.3	869E-04		3630.3	3606.3	MO		3630.3	3630.3	869E-04		3630.3	3606.3	MO		3630.3
3606.7	878E-05		3630.6	3630.6	152E-03		3630.6	3606.7	CE		3630.6	3630.6	152E-03		3630.6	3606.7	CE		3630.6
3608.0	702E-02		3631.0	3631.0	702E-05		3631.0	3608.0	SM		3631.0	3631.0	702E-05		3631.0	3608.0	SM		3631.0
3608.0	105E-04		3631.0	3631.0	163E-04		3631.0	3608.0	ZR		3631.0	3631.0	163E-04		3631.0	3608.0	ZR		3631.0
3608.4	110E-01		3631.1	3631.1	253E-05		3631.1	3608.4	DY		3631.1	3631.1	253E-05		3631.1	3608.4	DY		3631.1

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
				3655.0	.183E-03		AU
3632.7	.134E-04		SI	3656.2	.114E-04		TE
3632.8	.191E-02		YB	3656.2	.350E-04		RU
3632.9	.702E-02		SM	3656.3	.120E 00		GD
3633.6	.122E-03		K	3656.6	.375E-04		I
3634.0	.570E-02		HG	3658.9	.412E-05		SN
3634.4	.997E-05		P	3659.1	.411E-05		RB
3635.2	.769E-04		PD	3659.3	.814E-04		YB
3635.4	.514E-03		SC	3660.0	.116E-01		CD
3637.5	.135E-01		CD	3660.5	.181E-02		CL
3637.8	.928E-05		ZR	3660.5	.898E-04		TM
3638.2	.284E-04		CA	3661.3	.158E-03		SI
3638.2	.566E-04		NI	3661.7	.187E-03		GA
3638.5	.949E-04		HO	3662.4	.268E-05		ZR
3638.8	.207E-04		SR	3663.0	.250E-03		RE
3639.1	.375E-04		I	3663.1	.469E-04		SE
3639.3	.122E-04		RU	3664.3	.427E-03		CO
3640.1	.142E-04		GE	3665.1	.105E-03		TB
3640.6	.108E-03		ND	3665.3	.142E-04		GE
3641.7	.304E-03		BA	3665.5	.308E-03		LA
3642.1	.656E-03		MN	3665.8	.367E-04		FE
3642.2	.289E-03		SC	3667.8	.277E-03		MN
3643.1	.864E-02		EU	3668.8	.876E-04		W
3643.3	.273E-02		RH	3669.2	.148E-03		V
3643.5	.668E-03		AG	3672.9	.135E-04		MO
3644.2	.462E-05		RB	3673.5	.253E-05		SN
3644.3	.198E-04		FE	3674.1	.201E-04		BR
3644.4	.282E-03		NA	3674.4	.206E-04		TE
3645.1	.636E-04		TA	3675.4	.715E-03		N
3645.9	.728E-04		MO	3675.5	.193E-03		NI
3646.6	.225E-03		TM	3676.5	.236E-02		ER
3647.3	.563E-04		SE	3677.0	.969E-05		OS
3648.1	.229E-03		LU	3677.4	.111E-03		RE
3648.2	.190E-05		SN	3677.5	.890E-04		TA
3648.7	.275E-02		DY	3678.7	.157E-04		NB
3650.4	.115E-02		IR	3679.6	.335E-03		AU
3650.9	.417E-03		K	3679.8	.117E-02		CO
3651.1	.430E-03		ER	3680.0	.297E-03		LA
3651.3	.157E-03		TB	3681.3	.359E-03		TM
3651.8	.105E-04		NB	3682.6	.168E-04		Y
3651.8	.760E-04		AS	3683.5	.285E-03		HO
3651.9	.673E-03		HF	3683.9	.542E-04		C
3652.0	.710E-05		Y	3684.4	.899E-01		GD
3652.0	.555E-03		PR	3685.9	.830E-04		PT
3652.1	.625E-04		W	3687.0	.438E-04		W
3652.2	.324E-02		HG	3687.2	.251E-03		GA
3652.5	.178E-04		PT	3687.2	.211E-01		SM
3652.8	.116E-04		CA	3689.2	.206E-03		SE
3653.9	.252E-01		CD	3690.4	.111E-03		RE
3654.6	.210E-03		CS	3691.0	.187E-01		SM

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
3692.6	.737E-03		K	3719.8	.476E-05		ZR
3692.9	.644E-04		MO	3720.4	.451E-05		NB
3693.0	.152E-03		AU	3720.7	.776E-03		CR
3694.2	.526E-05		NB	3722.5	.144E-03		TE
3694.9	.101E-04		ZN	3722.9	.418E-03		SC
3695.1	.136E-04		SB	3723.1	.195E-03		S
3695.7	.586E-05		ZR	3723.3	.749E-01		GD
3696.0	.221E-05		SN	3723.6	.825E-04		NA
3696.1	.932E-03		ER	3724.7	.237E-03		HO
3696.4	.223E-03		CS	3727.6	1.000E-04		LA
3696.7	.941E-05		CE	3727.6	.139E-03		RE
3696.9	.509E-04		TA	3727.7	.122E-02		ER
3697.0	.229E-03		LU	3728.0	.106E-04		Y
3698.0	.292E-04		Y	3728.0	.155E-02		RH
3699.4	.156E-04		I	3728.1	.213E-01		CD
3701.3	.407E-04		PD	3728.5	.125E-04		I
3703.0	.657E-04		SE	3728.7	.158E-05		SN
3703.2	.519E-03		IN	3728.7	.583E-04		CU
3704.5	.224E-04		SR	3729.0	.300E-05		NB
3706.0	.457E-03		AU	3729.5	.170E-04		FE
3706.5	.151E-04		BR	3730.3	.138E-02		HF
3708.0	.308E-05		RB	3731.1	.136E-04		SB
3708.2	.135E-03		TM	3731.9	.101E-04		ZN
3709.2	.155E-01		DY	3732.0	.275E-02		DY
3709.4	.531E-03		HF	3732.9	.350E-03		CO
3709.5	1.000E-03		RH	3733.3	.360E-05		RB
3709.6	.615E-03		TI	3733.8	.142E-03		V
3710.1	.651E-04		GE	3734.0	.122E-02		TI
3710.3	.124E-02		CL	3734.8	.158E-03		CS
3710.9	.167E-03		RE	3735.0	.898E-04		TM
3711.4	.320E-03		LU	3735.2	.508E-03		CL
3711.5	.610E-03		SC	3735.4	.195E-03		ND
3711.7	.136E-04		SN	3735.7	.168E-02		HG
3711.8	.897E-04		NI	3736.2	.643E-03		SC
3711.9	.287E-03		ER	3736.8	.305E-03		AU
3712.9	.226E-03		PR	3737.1	.457E-04		MO
3713.4	.266E-04		Y	3738.3	.826E-04		TA
3713.6	.105E-02		YB	3738.3	.329E-03		K
3713.6	.219E-04		I	3739.3	.387E-03		W
3713.6	.246E-03		AG	3739.3	.684E-05		BA
3714.3	.346E-02		HG	3739.4	.212E-03		PD
3714.4	.271E-04		PD	3740.2	.655E-04		LA
3716.2	.378E-04		BA	3740.8	.415E-03		IN
3716.2	.623E-03		IN	3741.1	.950E-04		YB
3717.2	.213E-03		V	3741.9	.997E-05		P
3717.9	.381E-04		TA	3742.2	.119E-03		HO
3717.9	.113E-04		FE	3742.9	.821E-04		PR
3718.2	.366E-04		RU	3743.2	.502E-03		ER
3718.2	.172E-04		ZN	3743.3	.378E-05		ZR
3718.7	.130E-03		ND	3743.7	.178E-04		MG

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
3744.3	.112E-04		NB	3773.8	.114E-02		IN
3744.9	.749E-01		GD	3774.6	.601E-05		NB
3745.5	.158E-04		SR	3774.9	.125E-04		I
3745.6	.141E-04		FE	3775.3	.211E-01		SM
3746.3	.161E-03		GA	3775.3	.527E-04		ZN
3746.5	.156E-04		I	3775.7	.813E-04		W
3747.4	1.000E-03		RH	3775.9	.959E-03		CL
3747.6	.385E-04		PT	3776.1	.197E-03		SE
3748.3	.148E-01		DY	3776.5	.415E-04		PT
3748.9	.969E-05		OS	3776.5	.263E-03		CS
3749.0	.313E-02		HG	3776.6	.126E-03		PD
3749.1	.517E-02		CO	3777.0	.778E-04		TE
3749.7	.192E-02		CL	3777.5	.106E-03		GA
3749.8	.122E-03		SE	3777.7	.509E-04		FE
3749.9	.180E-03		TM	3777.7	.693E-04		CU
3750.5	.887E-05		Y	3778.0	.173E-03		ND
3751.2	.290E-01		CD	3778.7	.507E-05		SN
3751.4	.481E-03		MN	3778.7	.275E-03		LU
3751.7	.135E-04		MO	3779.2	.203E-03		K
3752.0	.146E-02		RH	3779.3	.802E-04		NI
3752.1	.263E-03		CS	3779.7	.426E-01		CD
3754.8	.543E-04		YB	3780.5	.717E-03		ER
3755.4	.362E-04		PD	3780.6	.854E-03		TM
3755.5	.839E-04		CU	3780.7	.237E-03		HO
3755.9	.114E-04		TE	3782.6	.122E-03		YB
3756.9	.665E-05		SR	3783.1	.320E-03		MN
3758.8	.702E-02		SM	3785.2	.575E-04		CR
3759.7	.192E-03		TB	3785.6	.125E-04		I
3759.7	.123E-03		CA	3787.9	.198E-04		RU
3760.2	.938E-04		W	3787.9	.299E-04		SB
3760.4	.358E-03		ER	3788.2	.151E-04		BR
3761.0	.150E-05		NB	3788.2	.117E-01		SM
3761.6	.296E-04		PT	3788.6	.358E-03		ER
3761.8	.250E-04		I	3788.8	.872E-04		TB
3761.9	.252E-04		BA	3789.0	.183E-03		AU
3762.7	.360E-05		RB	3789.9	.151E-03		ND
3762.9	.274E-04		RU	3790.2	.280E-05		ZR
3764.0	.191E-04		TA	3790.2	.435E-04		AL
3764.3	.752E-04		GA	3790.5	.566E-03		HF
3764.9	.700E-03		AU	3790.8	.118E-04		MO
3765.6	.323E-04		K	3791.0	.526E-03		PR
3767.4	.484E-05		OS	3791.1	.407E-04		PD
3768.2	.181E-04		P	3791.7	.452E-04		FE
3768.5	.543E-04		YB	3792.0	.103E-02		IN
3768.8	.104E-01		EU	3792.4	.202E-02		IR
3770.0	.137E-04		SI	3792.8	.526E-05		NB
3770.9	.216E-04		SR	3793.1	.126E-05		SN
3772.3	.190E-04		SB	3794.1	.700E-04		GA
3772.8	.110E-01		DY	3794.4	.225E-03		TM
3773.5	.434E-04		PR	3795.5	.563E-04		SE

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
3796.9	.205E-05		RB	3824.3	1.000E-02		CL
3798.7	.201E-04		BR	3824.4	.411E-05		RB
3799.7	.267E-04		PT	3824.6	.180E-03		TM
3800.0	.610E-03		SC	3825.1	.104E-04		AL
3800.4	.115E-04		BA	3825.1	.368E-01		CD
3800.8	.387E-03		AG	3826.5	.279E-02		HG
3800.9	.509E-04		TA	3826.6	.386E-04		PR
3801.5	.193E-03		W	3826.9	.899E-01		GD
3802.6	.941E-05		CE	3827.7	.509E-04		TA
3802.7	.181E-04		CA	3828.4	.195E-05		TL
3804.9	.781E-03		ND	3830.5	.423E-04		MO
3805.2	.622E-04		GA	3830.5	.264E-04		GE
3805.4	.543E-04		YB	3830.7	.880E-04		MG
3805.7	.183E-04		RU	3831.3	.484E-05		OS
3806.5	.119E-03		HO	3832.4	.271E-04		PD
3806.6	.145E-02		HG	3833.1	.163E-04		SB
3807.6	.469E-04		SE	3833.4	.113E-03		SE
3808.1	.257E-05		RR	3833.8	.222E-04		ZN
3808.1	.271E-04		MO	3834.2	.468E-02		SM
3808.4	.126E-04		MG	3835.2	.106E-04		RU
3809.5	.729E-05		SN	3835.4	.158E-05		SN
3810.1	.908E-04		I	3836.7	.898E-04		TM
3810.6	.271E-04		PD	3837.2	.828E-04		V
3811.0	.623E-03		IN	3838.2	.119E-03		HO
3811.3	.969E-02		CD	3838.9	.676E-05		NB
3811.7	.386E-04		PR	3839.7	.704E-03		AG
3811.7	.105E-04		NB	3839.8	.142E-03		K
3814.9	.381E-04		TA	3840.6	.487E-03		AU
3815.0	.130E-02		IR	3840.7	.610E-03		SC
3815.0	.220E-02		MN	3840.7	.223E-02		HG
3815.6	.183E-02		CO	3841.1	.109E-03		YB
3815.7	.366E-03		LU	3841.4	.114E-01		DY
3815.9	.119E-04		PT	3841.7	.111E-03		RE
3816.0	.264E-04		GE	3842.9	.726E-04		GA
3816.1	.663E-04		TE	3843.5	.777E-03		CO
3816.1	.194E-04		OS	3844.4	.167E-03		CU
3816.6	.473E-05		BA	3845.0	.913E-03		RH
3817.8	.734E-05		AL	3845.1	.763E-04		FE
3818.5	.753E-05		CE	3845.4	.868E-04		ND
3818.6	.212E-04		ZN	3845.9	.775E-02		CD
3818.7	.876E-04		W	3847.0	.156E-04		I
3818.7	.437E-04		CU	3847.0	.308E-04		LA
3820.0	.848E-04		LA	3847.2	.468E-04		GE
3820.9	.757E-02		DY	3847.2	.195E-05		TL
3822.0	.352E-03		AG	3847.3	.231E-03		W
3822.5	.216E-02		IR	3848.5	.119E-04		PT
3822.8	.614E-04		K	3848.6	.190E-05		SN
3822.8	.707E-03		SC	3849.6	.750E-04		AL
3824.1	.109E-03		YB	3850.0	.186E-04		MO
3824.1	.253E-04		AS	3850.2	.602E-03		HF

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
3850.9	.168E-02		HG	3876.3	.671E-04		AL
3852.1	.151E-02		LU	3876.5	.808E-04		K
3852.7	.171E-03		CS	3876.6	.207E-02		IN
3853.6	.226E-04		K	3876.8	.292E-05		TL
3854.3	.217E-03		YB	3876.8	.193E-01		CD
3854.5	.353E-04		BR	3877.3	.205E-05		RB
3854.5	.127E-03		TA	3877.9	.159E-02		IR
3854.9	.274E-03		FE	3878.5	.871E-03		NA
3855.6	.135E-01		CD	3879.0	.125E-02		SC
3855.8	.638E-04		N	3881.2	.376E-05		NB
3856.3	.139E-03		TB	3881.6	.237E-04		PT
3857.2	.213E-03		AU	3882.0	.954E-04		TA
3857.3	.300E-05		NB	3882.0	.678E-05		MO
3858.3	.647E-05		ZR	3882.7	.717E-03		ER
3858.4	.396E-04		RU	3883.4	.844E-04		SE
3858.4	.831E-03		MN	3884.1	.549E-04		TE
3858.5	.206E-03		SE	3884.9	.310E-02		YB
3859.0	.835E-04		RE	3885.4	.165E-01		DY
3859.0	.281E-04		I	3885.5	.510E-04		CU
3859.3	1.000E-03		RH	3886.3	.375E-04		W
3859.5	.226E-04		K	3886.9	.217E-04		AS
3859.9	.627E-04		PR	3887.9	.914E-05		SR
3860.0	.355E-03		GA	3889.6	.106E-04		RU
3861.1	.386E-04		GE	3890.7	.894E-05		BA
3862.7	.158E-03		CR	3890.8	.127E-04		NB
3863.2	.472E-04		NI	3891.1	.151E-04		BR
3863.5	.119E-03		HO	3891.7	.443E-05		SN
3863.5	.189E-03		V	3892.1	.976E-03		ND
3863.6	.407E-04		PD	3892.1	.180E-03		TM
3864.7	.108E-03		ND	3892.3	.257E-02		HG
3865.3	.371E-04		SI	3892.5	.111E-03		PR
3865.3	.797E-04		NA	3894.2	.213E-03		AU
3865.4	.257E-03		SC	3894.5	.621E-05		Y
3866.0	.135E-03		TM	3894.8	.127E-03		GA
3866.2	.688E-04		W	3895.2	.460E-03		HF
3866.7	.190E-04		SB	3896.0	.104E-03		GE
3866.8	.599E-01		GD	3896.9	.498E-03		HO
3867.4	.150E-05		NB	3897.1	.744E-04		K
3868.9	.648E-02		HG	3898.9	.254E-04		MO
3869.8	.117E-01		SM	3899.6	.217E-02		CO
3869.9	.488E-04		Y	3900.3	.649E-03		P
3870.1	.253E-05		SN	3900.5	.954E-04		TA
3870.1	.843E-05		MG	3900.7	.401E-04		CU
3870.2	.287E-03		ER	3900.7	.484E-05		OS
3870.3	.129E-03		TI	3900.9	.113E-04		FE
3871.2	.184E-03		CS	3901.0	.211E-03		AG
3875.0	.172E-04		ZN	3901.1	.219E-03		LA
3875.4	.316E-04		PD	3901.7	.172E-02		DY
3875.5	.898E-04		TM	3902.6	.158E-05		SN
3876.1	.412E-03		LU	3902.8	.106E-03		W

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
3956.7	.969E-05		OS	3980.2	.119E-04		PT
3957.3	.113E-04		FE	3980.8	.108E-03		TA
3957.6	.253E-04		ZN	3980.9	.549E-05		ZR
3959.1	.195E-05		TL	3981.1	.137E-04		TE
3959.8	.108E-03		ND	3981.1	.468E-02		CL
3959.8	.860E-04		PD	3981.5	.443E-05		SN
3960.1	.255E-03		K	3981.9	.110E-04		CA
3960.3	.158E-04		P	3982.0	.326E-04		AS
3961.0	.861E-02		DY	3982.0	.301E-02		NA
3962.1	.356E-04		PT	3982.2	.798E-05		Y
3962.9	.439E-05		ZR	3982.6	.104E-01		EU
3963.3	.936E-02		SM	3982.6	.452E-04		FE
3963.7	.152E-02		CL	3983.4	.437E-04		CU
3964.0	.181E-03		W	3985.6	.193E-04		PR
3964.3	.252E-04		BA	3985.7	.213E-03		AU
3964.9	.572E-04		TE	3988.0	.330E-04		NI
3965.9	.159E-02		IR	3989.7	.140E-01		SM
3967.0	.629E-03		TM	3990.1	.494E-03		TM
3967.2	.369E-02		CO	3990.5	.195E 00		GD
3968.1	.365E-03		AU	3991.6	.225E-03		GA
3969.2	.219E-02		RH	3992.6	.205E-05		RB
3969.9	.595E-03		LU				
3970.1	1.000E-05		CE	3993.3	.814E-04		YB
3970.6	.525E-03		SE	3993.9	.155E-02		AG
3971.2	.122E-02		ER	3994.2	.484E-01		CD
3971.3	.110E-04		P	3994.8	.452E-04		PD
3971.3	.244E-04		SB	3995.7	.466E-03		CO
3971.8	.425E-03		HF	3996.0	.386E-04		GE
3972.1	.152E-04		MO	3997.0	.186E-04		MO
3972.7	.425E-04		NI	3997.5	.358E-03		ER
3973.1	.290E-01		CD	3997.5	.122E-03		TI
3974.1	.501E-04		LA	3999.1	.150E-05		NB
3974.1	.243E-04		ZN	3999.3	.305E-05		ZR
3974.6	.102E-02		SC	3999.9	.166E-03		HO
3975.1	.389E-05		TL	4000.2	.137E-04		TE
3975.7	.158E-03		CS	4000.7	.225E-02		SC
3975.8	.249E-04		SR	4000.9	.183E-03		LU
3975.9	.101E-03		GA	4001.6	.110E-04		BA
3978.0	.225E-03		V	4001.9	.159E-02		IR
3978.3	.114E-02		IN	4002.7	.397E-03		K
3978.6	.242E-03		K	4003.3	.134E-02		ND
3979.0	.248E-04		NB	4005.5	.676E-04		PR
3979.1	.115E-02		IR	4005.5	.225E-03		SE
3979.2	.885E-03		HF	4005.6	.187E-04		I
3979.4	.469E-04		I	4006.9	.155E-02		IN
3979.5	.969E-05		OS	4007.0	.131E-02		AU
3979.6	.814E-04		YB	4007.6	.356E-04		PT
3979.6	.195E-03		ND	4008.8	.366E-04		RU
3979.7	.437E-03		MN	4009.5	.898E-04		TM
3980.0	.462E-05		RB	4009.6	.134E-02		HF



ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
3902.9	.610E-03		SE	3931.2	.268E-03		K
3903.2	.253E-04		AS	3932.1	1.000E-03		RH
3903.6	.137E-03		TI	3932.3	.141E-04		FE
3905.3	.831E-05		SR	3932.3	.195E-05		TL
3906.6	.150E-05		NB	3932.7	.360E-05		RB
3907.7	.353E-04		BR	3933.4	.423E-04		MO
3908.0	.244E-04		SB	3934.4	.158E-03		CS
3909.1	.244E-03		AU	3935.7	.621E-05		Y
3909.5	.950E-04		PD	3935.8	.122E-04		GE
3910.5	.869E-04		PR	3935.9	.996E-05		AL
3911.7	.174E-03		K	3935.9	.827E-05		NB
3912.0	.868E-04		ND	3937.3	.119E-03		HO
3912.0	.139E-03		TB	3937.4	.510E-04		CU
3912.1	.620E-01		CD	3938.2	.358E-03		ER
3912.5	.779E-03		HF	3938.4	.223E-03		RE
3913.3	.358E-03		ER	3939.1	.191E-04		TA
3915.0	.101E-03		V	3939.4	.724E-04		AS
3915.8	.764E-03		TM	3940.9	.647E-05		ZR
3915.9	.291E-04		CA	3941.4	.468E-02		SM
3916.1	.220E-04		MO	3941.5	.335E-03		AU
3916.7	.637E-03		MG	3941.6	.449E-04		TM
3916.7	.821E-03		RH	3941.9	.125E-04		I
3918.8	.198E-04		FE	3942.3	.107E-04		TL
3919.3	.122E-04		RU	3942.6	.115E-02		IR
3920.0	.936E-02		SM	3943.3	.217E-03		ND
3920.4	.132E-02		TI	3944.8	.236E-03		GA
3920.7	.142E-04		Y	3945.1	.841E-05		BA
3920.8	.215E-03		CU	3945.2	.776E-04		K
3920.9	.136E-04		SB	3945.2	.482E-02		DY
3921.2	.902E-05		NB	3946.3	.114E-04		TE
3921.9	.480E-04		TE	3946.9	.821E-04		PR
3922.6	.275E-03		LU	3946.9	.741E-04		PT
3922.7	.894E-05		BA	3947.0	.278E-04		CA
3923.4	.225E-03		SC	3947.2	.413E-03		SE
3923.8	.579E-04		PR	3947.7	.109E-02		RH
3924.3	.252E-04		BR	3947.7	.518E-04		RU
3924.7	.138E-02		DY	3948.3	.599E-01		GD
3924.9	.147E-03		P	3949.1	.543E-04		YB
3925.9	.183E-03		AU	3950.9	.748E-02		HG
3927.1	.221E-05		SN	3951.8	.578E-04		LA
3927.7	.116E-01		CD	3951.9	.285E-04		GE
3927.9	.326E-04		PT	3952.9	.898E-04		TM
3928.1	.103E-02		IN	3954.0	.348E-05		SN
3928.1	.129E-03		CR	3954.3	.730E-03		RH
3928.8	.588E-04		PD	3954.3	.237E-04		MO
3929.1	.110E-02		MN	3954.9	.105E-03		SI
3929.6	.112E-04		CE	3955.5	.311E-03		IN
3929.5	.148E-02		YB	3956.0	.254E-04		TA
3930.0	.165E-03		NI	3956.1	.142E-03		HO
3930.3	.330E-02		CO	3956.5	.376E-05		NB

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
4010.5	.203E-04		GE	4035.2	.204E-03		YB
4010.7	.656E-04		Y	4035.8	.848E-05		FE
4012.3	.508E-03		CL	4035.9	.315E-05		BA
4012.5	.110E-03		FE	4036.2	.590E-04		GE
4012.5	.126E-05		SN	4036.2	.291E-04		SR
4013.4	.120E-03		PR	4036.9	.193E-04		PR
4013.5	.959E-04		GA	4037.3	.151E-03		ND
4014.2	.139E-03		TB	4038.9	.145E-03		CS
4014.7	.137E-04		TE	4038.9	.450E-03		SC
4015.0	.206E-03		W	4041.1	.178E-04		PT
4016.1	.338E-04		NB	4044.1	.300E-05		NB
4017.2	.292E-05		TL	4044.1	.320E-04		TE
4017.4	.936E-02		SM	4044.7	.131E-04		CE
4017.7	.156E-04		I	4044.8	.848E-04		LA
4017.7	.162E-04		AL	4045.0	.830E-03		IN
4018.0	.353E-04		SB	4045.7	.191E-04		TA
4018.3	.309E-03		HO	4045.9	.167E-03		RE
4018.7	.181E-04		PD	4049.0	.119E-03		HO
4019.1	.324E-02		HG	4049.3	.639E-03		RH
4019.1	.220E-04		MO	4050.1	.156E-03		NI
4019.9	.398E-04		AS	4053.3	.549E-05		ZR
4020.3	.474E-04		CU	4054.7	.260E-04		BI
4020.4	.166E-04		SR	4054.9	.187E-01		SM
4021.5	.645E-03		ER	4055.1	.468E-02		CL
4021.8	.836E-03		SC	4055.9	.798E-05		Y
4022.3	.844E-04		SE	4055.9	.300E-05		NB
4022.3	.503E-04		CR	4058.3	.357E-03		SE
4023.0	.109E-02		RH	4058.7	.830E-03		IN
4023.1	.270E-03		TM	4059.7	.418E-02		SC
4025.2	.652E-04		PT	4061.6	.151E-03		ND
4025.6	.457E-04		RU	4061.6	.964E-04		LA
4026.1	.936E-02		SM	4062.1	.378E-03		K
4026.3	.457E-03		AU	4063.5	.645E-03		ER
4027.3	.565E-05		RB	4063.6	.730E-03		RH
4027.9	.745E-05		ZR	4064.4	.106E-03		W
4028.2	.197E-02		CL	4065.6	.724E-04		PD
4028.4	.229E-03		LU	4067.3	.326E-04		AS
4028.7	.324E-04		ZN	4067.7	.139E-03		RE
4029.2	.621E-02		CO	4067.9	.213E-04		RU
4030.1	.320E-03		MN	4068.2	.448E-02		DY
4030.3	.123E-03		NI	4069.3	.302E-03		CS
4031.2	.119E-03		HO	4070.2	.702E-02		SM
4031.4	.156E-04		I	4070.9	.271E-01		CD
4031.8	.175E-03		TI	4071.0	.855E-04		GA
4032.3	.933E-04		GA	4072.3	.678E-05		MO
4032.8	.216E-02		IR	4072.4	.484E-05		OS
4032.8	.510E-04		CU	4072.7	.156E-02		HG
4034.1	.108E-03		PD	4072.9	.241E-04		PR
4035.1	.844E-04		SE	4073.3	.657E-04		I
4035.1	.300E-05		NB	4074.3	.339E-04		FE

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
4074.4	.181E-04		PD	4109.4	.236E-02		ER
4074.4	.396E-03		AU	4111.1	.482E-03		SC
4074.6	.155E-02		IN	4111.6	.677E-03		CL
4075.1	.599E-01		GD	4112.0	.936E-02		SM
4075.2	.119E-03		HO	4112.1	.113E-03		K
4076.2	.191E-04		TA	4112.7	.178E-04		BA
4076.9	.946E-04		V	4113.6	.135E-03		TM
4077.5	.347E-03		ND	4113.7	.369E-03		ND
4078.0	.502E-03		ER	4114.6	.802E-04		CU
4078.1	.366E-04		GE	4114.8	.508E-05		MO
4078.4	.774E-03		AG	4115.3	.165E-04		TL
4078.4	.437E-05		MG	4115.6	.793E-02		HG
4079.0	.427E-03		CO	4115.8	.300E-05		NB
4079.2	.107E-04		TL	4117.1	.113E-04		FE
4079.4	.216E-04		SR	4117.3	.150E-02		V
4080.3	.139E-03		RE	4118.6	.572E-04		TA
4080.7	.869E-04		TE	4118.6	.183E-03		LU
4082.2	.253E-04		AS	4118.8	.492E-03		AG
4082.3	.181E-03		W	4118.9	.237E-03		W
4082.6	.310E-02		CL	4119.9	.274E-04		TE
4083.4	.757E-02		DY	4121.2	.464E-05		ZR
4083.6	.353E-03		SC	4121.6	.237E-04		PT
4084.0	.547E-03		RH	4121.7	.415E-03		IN
4084.8	.652E-04		PT	4123.4	.305E-04		RU
4085.6	.829E-04		GA	4124.2	.365E-01		DY
4085.6	.184E-03		K	4124.3	.116E-02		AU
4086.7	.949E-04		HO	4124.8	.562E-01		CD
4087.9	.318E-04		TA	4125.1	.540E-04		LA
4088.8	.599E-01		GD	4127.2	.107E-04		F
4089.0	.474E-04		CU	4127.8	.190E-05		SN
4090.0	.601E-05		NB	4127.8	.158E-04		SR
4091.0	.489E-04		NA	4129.3	.466E-03		CO
4091.6	.476E-05		ZR	4129.4	.815E-04		PD
4091.7	.579E-04		PR	4129.6	.260E-03		ND
4096.3	.873E-03		BA	4129.6	.155E-04		P
4097.7	.756E-01		CD	4129.7	.136E-04		SB
4098.6	.496E-03		HF	4129.8	.835E-04		RE
4099.4	.292E-05		TL	4130.1	.691E-02		EU
4101.3	.189E-03		MN	4131.4	.203E-04		NB
4101.8	.174E-04		BI	4131.9	.106E-02		SC
4101.9	.246E-02		RH	4133.7	.223E-03		AL
4102.4	.451E-05		NB	4133.7	.137E-03		TI
4103.3	.115E-03		I	4133.9	.136E-03		CR
4103.7	.704E-03		AG	4134.3	.415E-03		IN
4103.8	.460E-03		CS	4134.7	.359E-03		TM
4104.2	.122E-03		TB	4134.8	.130E-03		PR
4104.7	.964E-05		ZR	4135.9	.480E-04		TE
4106.3	1.000E-04		LA	4135.9	.289E-03		CS
4107.5	.441E-03		Y	4136.3	.101E-03		GA
4109.2	.131E-03		SE	4136.3	.936E-02		SM

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
4136.4	.844E-03		K	4169.5	.697E-04		TB
4136.8	.375E-04		W	4170.0	.268E-05		ZR
4136.9	.546E-05		MG	4170.6	.207E-03		K
4137.5	.639E-03		RH	4170.9	.166E-03		HO
4137.9	.178E-03		ZN	4171.1	.362E-04		BI
4138.4	.220E-02		CL	4172.0	.136E-02		RH
4138.9	.509E-04		TA	4173.0	.299E-02		SC
4138.9	.122E-04		RU	4175.1	.188E-03		SE
4139.6	.158E-05		SN	4176.8	.676E-05		NB
4140.1	.103E-04		CE	4178.7	.223E-03		RE
4140.1	.938E-04		SE	4179.4	.163E-04		SB
4140.5	.116E-01		CD	4180.8	.508E-04		MO
4140.7	.102E-02		AG	4181.3	.130E-03		ND
4141.2	.613E-04		NI	4183.4	.256E-05		ZR
4142.7	.113E-04		FE	4183.6	.181E-04		PD
4143.4	.508E-05		MO	4184.6	.156E-04		I
4144.8	.802E-04		CU	4184.7	.111E-04		ZN
4145.2	.932E-03		ER	4185.6	.151E-04		BR
4145.3	.122E-03		TB	4187.4	.751E-04		SE
4146.8	.129E-04		P	4187.7	.547E-03		RH
4149.2	.152E-03		AU	4187.8	.235E-03		NA
4150.3	.462E-05		RB	4187.9	.784E-05		CE
4150.4	.311E-03		IN	4189.0	.134E-02		AU
4151.8	.151E-03		ND	4189.0	.155E-01		CD
4151.9	.257E-02		HG	4189.5	.509E-04		TA
4152.4	.207E-04		PT	4190.6	.422E-03		AG
4152.5	.198E-02		CO	4190.8	.285E-04		GE
4153.6	.503E-04		TE	4191.6	.183E-04		TE
4153.8	.407E-04		I	4191.6	.702E-02		SM
4154.0	.141E-02		SC	4193.4	.650E-04		V
4155.2	.494E-03		TM	4194.0	.244E-03		YB
4155.7	.246E-03		AG	4195.9	.187E-04		I
4155.8	.448E-02		DY	4196.0	.301E-03		GA
4155.9	.181E-04		PD	4196.4	.367E-05		AL
4156.2	.902E-05		NB	4196.5	.902E-05		NB
4156.4	.468E-04		GE	4196.6	.915E-05		RU
4156.7	.123E-03		AS	4197.0	.370E-04		TL
4157.0	.311E-04		FE	4197.0	.314E-03		TM
4157.7	.191E-04		SR	4197.9	.217E-04		AS
4158.7	.191E-04		TA	4198.2	.130E-02		IR
4160.1	.287E-03		W	4199.0	.253E-05		SN
4161.1	.151E-03		BR	4199.6	.189E-03		MN
4161.4	.932E-03		ER	4199.9	.795E-05		F
4163.6	.434E-04		PR	4200.0	.107E-03		P
4165.0	.374E-04		ZN	4200.8	.138E-02		DY
4167.9	.445E-04		PT	4201.0	.217E-04		SB
4168.4	.913E-03		RH	4201.1	.546E-03		K
4168.7	.177E-04		Y	4201.5	.124E-03		CU
4168.7	.399E-04		BA	4201.5	.273E-04		BA
4168.9	.281E-01		SM	4202.2	.119E-04		PT

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
4202.3	.135E-01		CD	4227.8	.449E-04		TM
4202.7	.312E-04		W	4227.8	.122E-03		SE
4202.9	.257E-03		SC	4227.8	.178E-04		PT
4203.0	.106E-04		RU	4227.9	.253E-04		AS
4203.5	.439E-05		ZR	4228.3	.101E-04		MO
4204.3	.211E-03		AG	4229.7	.389E-04		TE
4205.0	.358E-03		ER	4234.0	.176E-03		PD
4206.7	.114E-04		TE	4234.1	.403E-04		BR
4206.7	.254E-04		MO	4234.5	.234E-01		SM
4208.1	.169E-02		CL	4235.3	.252E-01		CD
4208.1	.939E-05		I	4236.4	.327E-02		SC
4208.5	.376E-05		NB	4236.8	.131E-03		CS
4208.7	.431E-02		CO	4239.2	.385E-04		LA
4208.8	.356E-04		PT	4239.3	.119E-03		HO
4210.3	.244E-03		AU	4240.1	.127E-04		NB
4211.8	.181E-04		PD	4243.5	.689E-04		BA
4212.8	.403E-04		BR	4243.6	.145E-03		K
4213.3	.702E-02		SM	4243.6	.163E-04		SB
4213.9	.326E-04		AS	4243.7	.324E-02		HG
4214.9	.275E-03		LU	4244.4	.844E-04		SE
4216.5	.201E-04		MG	4244.5	.156E-04		I
4216.6	.154E-04		LA	4245.1	.152E-04		RU
4216.9	.502E-03		ER	4245.6	.233E-04		ZN
4217.1	.130E-03		ND	4247.0	.506E-04		AS
4217.5	.157E-03		TB	4247.7	.231E-03		YB
4218.1	.449E-04		TM	4248.6	.205E-05		RB
4218.8	.126E-05		SN	4249.2	.844E-03		W
4218.8	.114E-02		FE	4249.7	.213E-03		AU
4218.9	.116E-04		CA	4251.1	.138E-02		DY
4219.9	.139E-03		RE	4251.3	.102E-02		AG
4219.9	.407E-04		GE	4251.8	.120E-03		PR
4220.1	.447E-04		NA	4251.8	.229E-03		LU
4220.3	.171E-03		CS	4252.2	.254E-04		TA
4220.5	.338E-04		PR	4252.7	.798E-05		Y
4220.6	.337E-03		TA	4253.2	.190E-05		SN
4221.2	.210E-02		RH	4253.3	.969E-05		OS
4222.4	.152E-03		TI	4254.3	.154E-03		V
4222.4	.775E-02		CD	4254.7	.389E-04		TE
4222.5	.242E-04		OS	4255.0	.508E-05		MO
4222.6	.500E-04		W	4255.1	.117E-01		SM
4222.7	.367E-05		AL	4255.9	.455E-03		ND
4222.7	.128E-02		MN	4256.3	.445E-04		PT
4223.2	.178E-04		PT	4256.4	.139E-03		TB
4223.6	.407E-04		YB	4256.6	.160E-04		CE
4223.9	.599E-01		GD	*- 4257.6	.375E-04		I
4224.0	.300E-05		NB	4257.7	.106E-04		RU
4224.8	.187E-03		K	4257.9	.202E-02		IR
4225.6	.622E-05		ZR	4258.1	.730E-03		RH
4226.5	.681E-04		TL	4259.3	.192E-04		LA
4227.5	.259E-02		IN	4259.6	.141E-04		SR
*-4257.6	.103E-04		Mg				

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
4259.9	.213E-03		AL	4288.0	.468E-02		SM
4260.4	.824E-05		F	4288.7	.136E-04		SB
4261.0	.125E-04		P	4289.1	.631E-05		BA
4261.0	.112E-04		NB	4289.5	.224E-04		GE
4261.6	.195E-05		TL	4289.6	.187E-04		I
4261.9	.415E-03		IN	4290.1	.708E-03		HF
4262.1	.732E-05		ZR	4290.1	.563E-04		SE
4264.3	.468E-04		GE	4290.9	.430E-03		ER
4264.4	.168E-04		Y	4291.2	.202E-04		ZN
4265.7	.468E-02		SM	4291.2	.286E-03		CE
4267.3	.135E-03		TM	4291.4	.237E-03		HO
4267.7	.743E-03		MN	4292.4	.109E-02		SC
4268.5	.211E-03		AG	4293.2	.220E-04		CA
4268.7	.847E-05		MO	4293.7	.843E-05		F
4269.5	.289E-03		SC	4294.0	.221E-05		SN
4270.1	.472E-04		RU	4294.9	.271E-04		MO
4270.1	.108E-03		ND	4295.7	.339E-04		OS
4270.6	.343E-04		TE	4295.7	.113E-04		FE
4271.0	.289E-04		AS	4297.2	.415E-05		SR
4271.9	.257E-02		HG	4297.3	.364E-04		CU
4272.4	.733E-03		LU	4297.5	.775E-02		CD
4272.9	.136E-02		ER	4298.1	.106E-04		RU
4273.1	.407E-04		YB	4298.6	.169E-02		CL
4273.7	.508E-03		CL	4299.6	.111E-03		RE
4273.9	.300E-05		NB	4299.6	.315E-03		CS
4274.9	.226E-04		PD	4301.3	.898E-04		TM
4275.4	.241E-02		DY	4302.0	.109E-03		YB
4275.9	.105E-03		FE	4302.2	.335E-03		AU
4276.6	.582E-05		SR	4304.0	.201E-02		HG
4277.2	.738E-03		CO	4304.1	.215E-03		ER
4277.3	.149E-03		PR	4304.1	.162E-03		W
4277.7	.586E-05		ZR	4304.5	.462E-04		SB
4278.5	.678E-05		MO	4305.5	.255E-04		NB
4279.6	.134E-02		AU	4306.0	.232E-04		SR
4280.0	.381E-04		TA	4306.5	.200E-02		RH
4281.3	.549E-04		K	4306.7	.187E-04		I
4282.3	.106E-03		V	4306.7	.468E-02		SM
4282.3	.389E-03		HF	4306.9	.144E-04		PR
4283.6	.189E-03		NI	4308.6	.733E-03		LU
4284.2	.389E-03		RE	4309.2	.691E-04		GE
4284.4	.104E-01		EU	4309.3	.830E-03		IN
4285.3	.515E-05		MG	4309.4	.738E-03		CO
4285.6	.137E-04		TE	4309.4	.213E-01		CD
4285.7	.710E-05		Y	4309.7	.678E-05		MO
4285.8	.729E-04		CU	4309.8	.135E 00		GD
4286.2	.775E-02		CD	4309.8	.281E-03		AG
4287.5	.486E-05		TL	4310.3	.292E-04		TL
4287.5	.385E-04		PT	4310.4	.119E-04		CE
4287.8	.308E-05		RB	4311.8	.171E-03		GA
4288.0	.898E-04		TM	4312.2	.800E-04		PT

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
4312.6	.113E-03		PD	4342.7	.504E-04		PT
4312.7	.976E-05		Y	4343.0	.438E-04		I
4313.6	.106E-04		RU	4343.5	.315E-02		HF
4314.0	.900E-03		SC	4343.9	.276E-03		CS
4314.2	.841E-04		K	4344.0	.969E-05		OS
4315.5	.299E-03		TA	4344.1	.447E-04		TL
4315.9	.225E-03		TM	4344.5	.232E-01		CD
4316.6	.620E-02		DY	4344.7	.225E 00		GD
4317.4	.115E-02		IR	4346.1	.480E-04		TE
4319.0	.205E-05		RB	4346.4	.105E-03		AS
4319.8	.101E-04		SN	4346.9	.420E-04		K
4320.8	.518E-03		CU	4348.0	.739E-03		AG
4322.0	.487E-03		AU	4348.1	.229E-03		LU
4322.1	.390E-03		ND	4348.1	.510E-03		MN
4322.4	.631E-05		BA	4348.6	.772E-04		PR
4323.2	.434E-04		TE	4348.6	.502E-03		ER
4323.3	.251E-03		CR	4349.3	.894E-05		BA
4323.3	.858E-05		SI	4349.4	.451E-05		NB
4323.4	.280E-05		ZR	4349.7	.660E-03		CO
4323.8	.186E-02		IN	4349.9	.214E-03		HO
4324.3	.114E-04		P	4350.2	.582E-05		SR
4324.7	.113E-04		FE	4351.3	.960E-04		RU
4324.7	.133E-04		SR	4351.4	.257E-02		HG
4325.7	.215E-03		ER	4352.4	.137E-03		Y
4326.1	.457E-04		MO	4353.4	.362E-04		PD
4326.6	.144E-04		PR	4353.7	.111E-03		RE
4327.2	.655E-04		RU	4354.3	.167E-02		ND
4327.7	.155E-02		RH	4354.8	.126E-05		SN
4327.7	.546E-03		SC	4355.0	.675E-03		SC
4328.1	.194E-04		K	4355.1	.122E-03		SE
4329.0	.564E-03		CL	4355.2	.273E-03		TI
4329.8	.150E-04		NB	4355.9	.484E-05		OS
4330.2	.159E-02		CO	4356.9	.271E-04		MO
4331.0	.181E-03		W	4358.1	.479E-03		GA
4331.2	.116E-01		CD	4358.2	.158E-02		CL
4332.9	.121E-04		BA	4359.1	.449E-03		TM
4333.9	.317E-03		AG	4359.7	.599E-01		GD
4334.8	.835E-04		RE	4359.9	.501E-04		I
4334.9	.898E-04		TM	4360.5	.146E-02		RH
4335.2	.215E-03		ER	4360.7	.118E-04		RB
4336.0	.912E-05		ZN	4361.0	.164E-01		SM
4336.5	.117E-01		SM	4361.1	.110E-02		K
4336.8	.133E-03		CE	4361.3	.864E-02		EU
4337.7	.145E-03		GA	4362.5	.977E-05		NB
4338.2	.620E-02		DY	4362.7	.193E-01		CD
4338.4	.115E-02		IR	4363.5	.366E-03		LU
4338.8	.103E-03		SE	4364.3	.186E-03		P
4338.8	.305E-03		AU	4364.7	.699E-04		TA
4339.8	.132E-03		GE	4366.1	.126E-05		SN
4341.3	.225E-03		SC	4367.2	.809E-03		AG

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
4367.6	.848E-05		FE	4393.6	.595E-04		I
4368.0	.172E-03		PT	4395.2	.869E-04		RU
4368.4	.305E-04		GE	4395.3	.109E-02		AG
4368.6	.216E-02		IR	4395.7	.816E-03		CO
4368.7	.115E-04		LA	4396.6	.353E-04		BR
4369.3	.180E-02		AU	4397.2	.719E-03		TM
4369.4	.796E-04		AS	4397.5	.300E-05		NB
4369.5	.287E-03		ER	4398.4	.396E-03		AU
4369.6	.336E-04		BA	4399.9	.351E-01		SM
4370.5	.878E-05		CE	4400.9	.118E-02		RH
4371.7	.868E-04		ND	4401.5	.432E-02		IR
4371.9	.998E-05		SR	4401.5	.533E-04		PT
4372.0	.605E-04		BR	4401.5	.119E-03		HO
4372.7	.934E-03		IN	4402.0	.225E-03		SC
4372.9	.113E-01		HG	4402.3	.678E-05		MO
4372.9	.159E-02		HF	4403.2	.308E-05		RB
4373.2	.135E-03		PR	4403.6	.155E-01		CD
4374.2	.915E-05		TE	4404.9	.185E-04		TL
4375.9	.187E-04		I	4405.1	.317E-05		ZR
4376.5	.183E-03		LU	4405.1	.661E-04		NI
4376.7	.733E-03		CL	4406.8	.370E-03		FE
4377.0	.179E-02		CO	4406.9	.651E-03		ND
4377.6	.144E-02		SC	4406.9	.679E-04		K
4379.1	.525E-03		SE	4407.0	.150E-05		NB
4379.3	.158E-03		CS	4407.1	.291E-04		OS
4380.1	.339E-04		FE	4407.3	.138E-02		DY
4380.2	.621E-05		Y	4407.8	.223E-03		RE
4380.3	.641E-03		MN	4407.9	.543E-04		PD
4380.9	.186E-04		MO	4408.3	.147E-04		P
4381.5	.115E-04		AL	4408.8	.250E-04		I
4382.8	.826E-04		TA	4410.2	.183E-04		TE
4384.0	.269E-03		W	4410.4	.190E-05		SN
4385.6	.175E-03		CU	4411.5	.687E-05		MG
4386.0	.925E-05		RB	4413.1	.349E-03		MN
4386.6	.407E-03		K	4413.5	.844E-04		SE
4386.9	.376E-05		NB	4414.1	.733E-03		LU
4387.0	.949E-04		HO	4414.4	.118E-02		CL
4389.0	.228E-04		TE	4416.1	.101E-04		F
4389.2	.543E-04		AS	4416.1	.178E-04		PT
4389.2	.951E-06		SN	4416.3	.945E-03		LA
4389.4	.972E-03		LA	4416.7	.432E-04		SR
4390.2	.996E-04		GE	4417.6	.244E-04		GE
4391.0	.232E-01		CD	4418.3	.532E-05		Y
4391.0	.212E-04		ZN	4418.7	.163E-04		SB
4391.5	.932E-03		ER	4418.9	.697E-03		CA
4391.8	.111E-03		RE	4419.7	.518E-02		EU
4392.2	.141E-04		SR	4419.8	.378E-04		NI
4392.8	.460E-03		HF	4420.6	.173E-03		ND
4393.0	.221E-05		SN	4420.8	.623E-03		IN
4393.4	.320E-03		LU	4421.4	.430E-03		ER



ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
4422.2	.244E-04		RU	4447.9	.352E-03		AG
4422.5	.183E-03		AU	4448.2	.155E-02		RH
4422.9	.739E-03		SC	4448.5	.621E-05		Y
4423.3	.119E-03		HO	4448.7	.502E-03		ER
4424.3	.362E-04		PD	4450.0	.270E-04		LA
4424.3	.115E-02		IR	4450.7	.977E-05		RB
4424.7	.724E-04		AS	4452.5	.739E-03		V
4425.0	.764E-03		TM	4453.8	.178E-04		PT
4425.3	.140E-01		SM	4455.4	.151E-03		CR
4425.6	.176E-03		CR	4456.4	.676E-05		NB
4425.9	.304E-04		ZN	4457.2	.158E-05		SN
4426.3	.142E-04		Y	4457.6	.380E-04		SB
4426.4	.407E-04		I	4457.6	.254E-04		TA
4426.9	.403E-04		BR	4458.1	.151E-04		BR
4427.2	.309E-04		AL	4458.2	.338E-03		CL
4427.8	.207E-02		DY	4458.4	.324E-02		HG
4427.9	.191E-04		TA	4458.5	.504E-03		LU
4430.7	.136E-04		SB	4458.8	.140E-01		SM
4430.8	.303E-03		S	4459.1	.167E-03		RE
4431.1	.281E-03		AG	4459.9	.160E-04		TE
4431.8	.391E-03		GA	4460.0	.516E-02		DY
4431.9	.237E-04		PT	4460.3	.563E-03		AG
4432.3	.190E-05		SN	4460.7	.145E-04		OS
4432.5	.744E-04		K	4461.0	.868E-04		ND
4433.6	.210E-04		NB	4461.4	.502E-03		ER
4433.6	.686E-04		TE	4461.8	.359E-03		TM
4436.1	.150E-03		SE	4462.4	.172E-03		FE
4437.0	.542E-03		ND	4463.9	.569E-04		GE
4437.4	.201E-04		BR	4464.6	.486E-05		TL
4437.5	.127E-04		ZR	4464.7	.115E-02		SC
4439.2	.244E-03		AU	4465.6	.313E-04		I
4439.5	.115E-02		SC	4465.7	.193E-04		PR
4440.3	.732E-04		GE	4466.3	.362E-04		AS
4440.4	.289E-04		PR	4466.4	.142E-03		HO
4440.7	.599E-01		GD	4466.8	.407E-04		PD
4440.7	.165E-04		TL	4467.6	.136E-03		YB
4441.6	.623E-03		IN	4468.0	.969E-05		CA
4442.4	.207E-04		PT	4468.1	.115E-04		LA
4442.5	.190E-05		SN	4468.6	.691E-02		EU
4443.0	.153E-04		B	4469.5	.827E-05		NB
4443.3	.108E-03		MO	4471.3	.660E-03		CO
4443.8	.763E-04		TA	4473.1	.135E-04		MO
4444.4	.366E-04		TE	4473.2	.119E-03		K
4444.9	.108E-03		PD	4475.1	.211E-03		AG
4445.1	.114E-03		NA	4475.5	.130E-02		IR
4446.2	.160E-02		MN	4475.8	.160E-04		TE
4446.4	.427E-03		CO	4475.9	.135E-03		TM
4446.9	.162E-04		ZN	4477.3	.326E-04		PT
4446.9	.142E-04		BA	4477.4	.211E-03		CU
4447.0	.212E-03		W	4478.0	.411E-04		RU

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
4479.0	.570E-04		GA	4507.3	.342E-05		ZR
4479.3	.244E-03		AU	4507.6	.728E-03		N
4481.7	.267E-04		PT	4507.7	.897E-04		NI
4483.0	.197E-03		TA	4507.8	.460E-03		HF
4483.1	.775E-02		CD	4507.9	.223E-03		K
4483.5	.126E-05		SN	4508.0	.144E-02		IR
4483.7	.398E-04		AS	4508.0	.484E-05		OS
4483.8	.292E-02		RH	4508.3	.135E-04		LI
4484.3	.398E-01		SM	4508.8	.961E-05		SI
4485.8	.788E-03		ER	4509.3	.183E-03		LU
4485.9	.454E-04		BR	4509.5	.318E-04		TA
4486.9	.231E-03		V	4509.8	.905E-05		MG
4487.7	.460E-03		HF	4510.0	.131E-04		ZN
4488.8	.255E 00		GD	4510.1	.155E-02		AU
4488.8	.211E-03		AG	4510.1	.898E-04		TM
4489.6	.750E-04		W	4510.3	.389E-04		TE
4490.5	.639E-04		P	4510.3	.401E-02		RH
4491.0	.898E-04		TM	4510.7	.789E-05		BA
4491.8	.275E-04		Y	4510.8	.860E-04		PD
4492.0	.366E-04		TE	4511.9	.186E-04		MO
4493.4	.186E-04		MO	4513.3	.593E-04		PT
4493.4	.113E-04		FE	4513.7	.221E-05		SN
4494.2	.144E-02		IR	4513.7	.651E-04		GE
4494.7	.407E-04		PD	4514.0	.116E-01		CD
4495.7	.420E-05		BA	4514.3	.868E-04		ND
4496.0	.515E-04		TL	4515.3	.205E-05		RB
4496.6	.142E-04		GE	4515.8	.485E-04		CA
4496.8	.342E-03		PR	4516.9	.939E-05		I
4497.2	.123E-04		RB	4517.6	.582E-05		SR
4498.2	.138E-02		DY	4517.9	.187E-03		W
4498.2	.191E-04		TA	4521.4	.403E-04		BR
4498.7	.158E-03		CS	4522.8	.184E-03		CS
4498.9	.167E-02		SC	4523.4	.130E-02		IR
4499.6	.174E-01		CD	4523.6	.950E-04		YB
4500.2	.291E-04		SR	4523.7	.282E-02		CL
4501.0	.130E-03		AS	4524.8	.366E-03		LU
4501.5	.972E-05		CE	4526.1	.244E-03		AU
4501.6	.228E-04		RU	4526.2	.253E-04		AS
4501.7	.369E-03		ND	4526.3	.526E-05		NB
4502.8	.659E-03		LA	4526.6	.939E-05		I
4502.9	.302E-03		CU	4527.4	.694E-03		SE
4503.0	.887E-04		V	4527.7	.777E-03		CO
4503.3	.300E-04		NB	4528.8	.151E-04		SI
4503.5	.162E-04		ZN	4528.9	.246E-03		AG
4503.9	.140E-01		SM	4529.3	.872E-04		TB
4504.0	.105E-03		TB	4529.6	.182E-04		SR
4504.7	.844E-04		SE	4529.7	.682E-04		CR
4505.1	.237E-04		MO	4530.3	.201E-04		ZR
4505.4	.313E-04		I	4530.7	.484E-04		OS
4506.6	.864E-02		EU	4530.7	.678E-05		MO

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
4530.7	.798E-05		Y	4556.7	.135E-01		CD
4531.9	.490E-02		IR	4556.7	.468E-02		SM
4532.0	.668E-05		RB	4557.3	.148E-04		PT
4532.3	.526E-04		TE	4557.8	.112E-04		NB
4532.4	.141E-04		FE	4558.4	.118E-03		W
4534.3	.290E-03		V	4559.2	.200E-03		LA
4534.6	.651E-03		ND	4559.7	.323E-04		K
4535.4	.225E-03		SC	4561.4	.141E-04		ZN
4535.8	.194E-04		BA	4562.1	.145E-03		CU
4535.8	.636E-04		TA	4563.1	.955E-03		ND
4535.9	.250E-04		W	4563.1	.368E-03		CS
4536.5	.357E-02		HG	4563.4	.848E-05		FE
4538.1	.358E-03		ER	4564.6	.835E-04		RE
4538.9	.211E-01		SM	4564.9	.353E-03		SC
4539.8	.163E-04		SB	4565.4	.445E-04		TA
4540.5	.135E-04		NB	4565.7	.122E-02		SE
4541.1	.394E-03		CS	4566.4	.449E-01		GD
4541.3	.418E-04		TL	4566.6	.137E-04		RU
4541.8	.477E-03		GA	4566.9	.224E-02		MN
4542.9	.398E-04		AS	4567.0	.380E-04		SB
4543.4	.562E-01		CD	4567.5	.119E-03		AS
4543.7	.423E-04		MO	4567.6	.697E-04		TB
4544.1	.253E-02		AU	4568.3	.206E-04		TE
4544.5	.751E-04		I	4568.3	.201E-03		V
4545.3	.949E-04		HO	4568.3	.849E-05		P
4546.2	.169E-03		SE	4570.0	.263E-04		TL
4546.2	.326E-04		PT	4570.7	.366E-03		LU
4547.0	.168E-04		CA	4570.8	.702E-02		SM
4547.1	.428E-02		RH	4570.9	.205E-05		RB
4547.2	.136E-02		CO	4571.0	.156E-04		I
4548.1	.691E-02		EU	4571.8	.151E-04		BR
4548.2	.126E-05		SN	4571.9	.303E-02		IR
4548.5	.191E-04		TA	4572.5	.162E-04		CA
4548.6	.241E-02		DY	4572.7	.678E-05		MO
4548.6	.203E-02		CL	4573.8	.110E-02		AU
4548.9	.225E-03		TM	4573.9	.337E-03		W
4549.0	.167E-04		RU	4574.0	.142E-04		GE
4549.5	.473E-05		BA	4575.0	.134E-01		HG
4549.8	.481E-03		MN	4575.2	.106E-03		GA
4551.1	.528E-03		AG	4575.9	.214E-03		HO
4551.3	.360E-05		RB	4576.8	.359E-03		TM
4551.5	.122E-04		GE	4577.3	.193E-04		PR
4552.5	.113E-04		FE	4578.6	.317E-03		AG
4553.9	.914E-05		SR	4580.1	.207E-02		IN
4555.0	.271E-04		PD	4580.2	.139E-03		TB
4555.2	.415E-03		IN	4580.2	.102E-03		TA
4555.3	.142E-04		F	4581.5	.103E-02		DY
4555.6	.802E-05		LI	4583.2	.456E-04		ZN
4555.7	.242E-04		OS	4583.7	.257E-04		SR
4555.8	.357E-02		HG	4584.0	.316E-04		PD

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
4584.0	.119E-04		PT	4612.4	.775E-02		CD
4585.2	.691E-02		EU	4612.4	.210E-01		DY
4585.9	.364E-04		CU	4612.5	.109E-04		F
4586.4	.257E-05		RB	4612.9	.115E-02		IR
4586.7	.108E-04		SB	4613.1	.415E-03		IN
4587.0	.305E-04		RU	4613.7	.184E-04		P
4587.0	.147E-02		CL	4613.7	.257E-04		Y
4587.3	.375E-04		I	4613.8	.204E-03		MN
4587.8	.481E-03		MN	4614.1	.225E-03		TM
4587.9	.114E-04		TE	4614.3	.423E-04		MO
4588.0	.226E-04		FE	4614.6	.445E-04		PT
4588.5	.119E-02		AU	4615.2	.651E-03		ND
4588.8	.944E-04		NI	4615.4	.155E-04		CA
4589.8	.216E-02		IR	4615.7	.969E-05		OS
4590.2	.250E-03		CS	4615.8	.152E-03		AU
4592.4	.579E-04		PR	4616.5	.327E-02		CL
4592.7	.118E-04		P	4616.6	.106E-02		SC
4592.9	.254E-04		TA	4616.6	.872E-04		TB
4594.1	.969E-05		OS	4617.6	.815E-04		PD
4594.8	.369E-03		ND	4617.7	.191E-03		TA
4594.9	.300E-05		NB	4617.8	.760E-04		AS
4595.7	.277E-03		GA	4618.0	.749E-01		GD
4596.1	.252E-01		CD	4618.5	.231E-04		LA
4596.2	.847E-05		MO	4620.6	.939E-04		I
4597.2	.964E-03		SC	4620.9	.108E-04		RB
4598.6	.925E-05		RB	4621.4	.184E-03		CS
4599.3	.152E-04		BA	4622.1	.144E-02		AC
4600.8	.158E-05		SN	4623.8	.190E-04		SB
4601.1	.914E-04		AU	4623.9	.544E-03		CO
4601.5	.898E-04		TM	4624.0	.183E-03		LU
4602.3	.734E-05		MG	4625.1	.193E-04		PR
4602.4	.595E-04		I	4626.3	.315E-05		BA
4602.5	.496E-04		TL	4626.4	.575E-04		CR
4603.0	.326E-04		SB	4626.7	.426E-01		CD
4603.1	.164E-01		SM	4626.7	.619E-03		W
4604.2	.324E-02		HG	4627.4	.106E-03		RU
4604.9	.259E-03		CU	4627.5	.187E-03		CA
4605.3	.211E-03		AG	4627.5	.292E-05		TL
4605.4	.108E-03		SR	4628.4	.502E-03		ER
4605.8	.549E-03		LU	4628.9	.418E-03		SC
4606.1	.250E-04		W	4629.2	.166E-04		P
4607.0	.106E-04		RU	4630.6	.222E-04		ZN
4607.6	.291E-02		CO	4631.0	.254E-04		TA
4608.2	.309E-03		HO	4631.1	.518E-02		EU
4608.2	.977E-05		NB	4632.0	.678E-05		MO
4609.2	.432E-03		SE	4632.5	.300E-04		NB
4609.9	.167E-03		RE	4633.4	.337E-02		RH
4610.9	.151E-04		BR	4633.5	.702E-02		SM
4611.9	1.000E-04		TE	4634.5	.474E-04		PT
4612.4	.126E-05		SN	4634.9	.250E-03		RE

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
4635.2	.310E-02		DY	4659.0	.251E-04		TE
4635.3	.192E-04		LA	4659.1	.135E-03		TM
4635.8	.199E-04		SR	4659.4	.681E-05		TL
4637.4	.605E-04		BR	4660.3	.319E-04		Y
4638.2	.238E-02		AU	4660.4	.181E-04		AS
4639.1	.143E-03		S	4660.4	.671E-04		AL
4639.2	.187E-04		I	4661.4	.289E-04		PR
4640.1	.102E-03		GE	4661.9	.118E-04		MO
4640.5	.119E-03		HO	4662.1	.163E-04		SB
4640.9	.113E-04		FE	4662.4	1.000E-05		BR
4641.6	.368E-05		BA	4663.2	.445E-03		RE
4641.6	.138E-04		RB	4665.3	.691E-02		EU
4642.1	.169E-03		SE	4665.3	.626E-04		I
4642.5	.449E-03		TM	4665.4	.231E-02		IR
4643.1	.129E-04		CA	4667.5	.158E-03		CS
4643.6	.202E-02		IR	4668.4	.505E-03		CO
4644.1	.577E-05		AL	4668.6	.381E-04		TA
4644.6	.112E-02		MN	4668.9	.105E 00		GD
4644.7	.229E-02		ER	4669.3	.106E-02		ND
4645.9	.109E-02		CO	4671.1	.180E-03		TM
4646.1	.135E-01		CD	4671.1	.152E-03		K
4646.8	.173E-02		IR	4671.3	.561E-03		P
4647.5	.254E-04		TA	4671.5	.264E-02		RH
4647.9	.362E-04		AS	4671.8	.582E-05		SR
4648.7	.299E-04		SB	4672.8	.543E-04		YB
4648.7	.835E-04		RE	4672.8	.827E-05		NB
4648.9	.154E-04		LA	4673.0	.775E-03		TI
4648.9	.749E-01		GD	4673.4	.915E-05		RU
4649.1	.518E-02		EU	4673.5	.160E-04		TE
4649.3	.190E-05		SN	4673.8	.844E-03		AG
4649.4	.897E-04		NI	4674.3	.509E-04		TA
4650.0	.212E-03		W	4674.3	.126E-05		SN
4650.1	.101E-04		MO	4674.5	.187E-01		SM
4650.5	.150E-05		NB	4674.6	.849E-04		NI
4651.4	.830E-03		IN	4674.7	.949E-04		HO
4652.2	.726E-04		GA	4675.2	.339E-04		OS
4652.4	.868E-04		ND	4675.5	.126E-03		PD
4652.6	.422E-03		AG	4675.7	.183E-03		LU
4653.5	.140E-01		SM	4675.8	.763E-04		FE
4653.6	.516E-04		ZN	4675.8	.344E-01		HG
4654.0	.549E-04		RU	4677.4	.148E-04		PT
4654.0	.938E-04		K	4677.7	.172E-02		DY
4654.8	.124E-04		ZR	4677.8	.115E-04		LA
4655.9	.275E-03		LU	4680.0	.173E-02		SC
4656.0	.308E-05		RB	4682.4	.678E-04		MO
4656.1	.543E-04		YB	4682.7	.159E-02		IR
4656.5	.353E-03		SC	4682.7	.677E-03		CL
4656.9	.171E-03		CS	4682.9	.300E-05		NB
4657.1	.872E-04		TB	4682.9	.174E-03		TB
4658.2	.233E-03		CU	4683.7	.135E-01		CD

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
4684.6	.311E-03		IN	4712.6	.216E-02		IR
4684.7	.788E-03		W	4713.4	.274E-04		RU
4685.1	.709E-04		TE	4713.6	.566E-04		NI
4686.3	.569E-04		GE	4713.9	.942E-03		TI
4686.8	.210E-03		CS	4714.6	.430E-03		ER
4686.8	.905E-05		CA	4714.9	.835E-04		RE
4688.0	.973E-04		TL	4715.7	.868E-04		ND
4688.9	.305E-03		AU	4716.3	.194E-04		OS
4689.0	.717E-03		ER	4716.3	.206E-04		TE
4689.7	.578E-04		BA	4719.1	.215E-03		ER
4689.8	.598E-04		SB	4719.3	.876E-04		W
4689.9	.183E-03		LU	4720.2	.172E-02		AG
4690.0	.123E-02		MN	4720.8	.736E-03		CS
4690.0	.328E-04		CU	4721.2	.176E-02		SC
4690.3	.890E-03		ND	4721.8	.152E-04		MO
4690.3	.898E-04		TM	4723.0	.933E-04		GA
4690.5	.462E-05		RB	4723.1	.434E-03		PR
4690.6	.132E-03		AL	4723.8	.114E-03		BA
4691.3	.140E-03		TA	4724.4	.150E-04		Y
4691.4	.887E-05		Y	4724.7	.339E-02		MN
4692.2	.111E-02		PR	4726.9	.219E-02		RH
4693.1	.130E-03		V	4728.6	.775E-02		CD
4693.1	.195E-03		RE	4729.4	.333E-02		CL
4693.4	.474E-04		PT	4729.5	.533E-04		PT
4693.9	.434E-04		AS	4729.9	.797E-04		NA
4695.4	.775E-02		CD	4730.5	.460E-03		HF
4695.5	.246E-03		AG	4731.3	.796E-04		AS
4696.5	.117E-04		SN	4732.6	.660E-03		CO
4698.9	.233E-03		GA	4733.0	.178E-03		CU
4699.6	.407E-04		YB	4733.2	.166E-02		TM
4700.5	.166E-02		IN	4733.3	.432E-02		IR
4700.5	.116E-04		SR	4733.3	.892E-05		SI
4701.8	.122E-03		SE	4733.3	.158E-02		AU
4702.1	.151E-04		BR	4734.0	.123E-04		LI
4702.3	.915E-05		TE	4734.1	.183E-03		AL
4702.7	.749E-01		GD	4734.2	.119E-03		HO
4705.1	.287E-03		ER	4735.5	.925E-05		RB
4705.4	.452E-04		PD	4738.8	.114E-04		TE
4705.5	.328E-04		CU	4739.0	.305E-05		ZR
4705.5	.291E-04		K	4739.0	.102E-03		TA
4706.4	.583E-03		CO	4739.1	.240E 00		GD
4706.6	.632E-04		TL	4739.5	.761E-01		HG
4707.7	.134E-03		GE	4739.7	.443E-04		NB
4708.3	.366E-03		LU	4741.8	.559E-04		MO
4709.0	.889E-04		PT	4743.0	.166E-02		IN
4709.5	.115E-04		LA	4743.3	.170E-04		FE
4710.2	.682E-05		B	4743.5	.502E-03		ER
4710.7	.261E-03		HO	4743.6	.748E-05		SR
4710.9	.657E-04		I	4744.0	.203E-04		GE
4712.4	.150E-04		NB	4744.4	.192E-03		SC

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
4744.7	.156E-04		I	4772.6	.775E-02		CD
4745.2	.368E-01		CD	4772.8	.215E-04		BA
4746.3	.708E-04		NI	4773.5	.157E-04		NB
4746.7	.267E-04		PT	4773.6	.278E-03		RE
4747.0	.250E-04		W	4774.4	.135E-03		TM
4747.2	.231E-04		LA	4774.4	.390E-03		ND
4747.5	.868E-03		ND	4774.9	.467E-02		IN
4748.5	.726E-04		GA	4775.0	.181E-04		CA
4748.6	.582E-05		SR	4775.1	.468E-02		SM
4748.7	.183E-04		GE	4777.7	.225E-03		SC
4749.7	.128E-03		CA	4778.2	.316E-04		PD
4750.3	.118E-03		V	4778.8	.103E-03		SE
4750.6	.183E-04		RU	4780.3	.320E-03		MN
4751.1	.194E-04		OS	4780.5	.237E-03		HO
4752.0	.198E-02		HF	4780.7	.244E-04		SB
4752.8	.194E-03		TL	4781.0	.124E-03		CU
4753.2	.153E-03		PD	4781.6	.251E-04		TE
4753.9	.473E-03		CS	4781.7	.105E-02		CO
4754.3	.846E-03		CL	4781.8	.210E-03		TA
4754.9	.245E-02		IR	4782.5	.245E-02		IR
4755.6	.160E-04		TE	4782.5	.155E-01		CD
4755.8	.684E-05		BA	4782.8	.138E-02		DY
4756.0	.451E-05		NB	4783.0	.304E-03		AS
4756.7	.304E-04		ZN	4783.4	.250E-04		I
4756.7	.422E-03		AG	4784.2	.133E-04		SN
4756.9	.122E-03		TB	4784.2	.257E-05		RB
4757.4	.150E-03		GA	4784.2	.358E-03		ER
4757.5	.326E-03		YB	4784.3	.273E-04		ZN
4757.8	.532E-04		I	4785.8	.229E-03		LU
4758.4	.508E-05		MO	4785.8	.244E-03		AU
4759.4	.295E-01		HG	4788.7	.151E-04		BR
4759.6	.308E-05		RB	4789.0	.658E-05		CE
4760.5	.398E-04		AS	4789.6	.195E-04		Y
4761.0	.287E-03		ER	4790.2	.195E-03		RE
4761.4	.136E-04		SB	4790.2	.220E-04		MO
4762.1	.154E-04		LA	4790.9	.169E-02		ND
4762.6	.152E-03		AU	4791.8	.682E-04		PT
4764.1	.190E-05		SN	4792.4	.240E-04		NB
4766.1	.499E-03		CE	4792.5	.298E-03		GA
4766.2	.577E-05		AL	4792.8	.335E-03		MN
4767.9	.533E-04		PT	4793.3	.122E-03		TB
4769.2	.305E-04		MO	4793.4	.191E-04		TA
4770.7	.158E-03		CS	4794.3	.451E-03		CL
4771.0	.137E-03		LU	4794.6	.493E-03		PD
4771.0	.156E-04		I	4795.0	.116E-04		SR
4771.2	.285E-04		GE	4796.6	.190E-03		HO
4771.6	.873E-04		K	4797.0	.115E-04		LA
4771.8	.915E-05		TE	4799.8	.329E-02		AU
4771.9	.831E-05		SR	4799.9	.156E-02		HG
4772.3	.260E-03		V	4799.9	.229E-03		LU

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
4800.6	.138E-02		DY	4828.8	.841E-04		ZN
4800.9	.969E-05		OS	4829.1	.831E-03		MN
4801.4	.574E-03		PR	4829.1	.213E-04		RU
4802.2	.788E-03		ER	4829.5	.518E-03		AU
4803.2	.445E-04		TA	4829.6	.114E-02		YB
4803.8	.898E-04		TM	4829.9	.677E-03		CL
4804.0	.390E-05		ZR	4830.1	.115E-04		Y
4804.3	.437E-04		CU	4831.6	.201E-04		BR
4804.7	.751E-04		I	4832.6	.636E-04		TA
4805.3	.175E-04		TL	4832.9	.193E-04		PR
4805.7	.302E-04		BR	4834.1	.155E-02		RH
4807.4	.118E-04		MO	4834.2	.427E-03		CO
4807.8	.934E-03		IN	4834.3	.174E-01		CD
4809.1	.144E-02		IR	4835.2	.314E-03		TM
4809.1	.912E-01		SM	4836.5	.112E-02		ND
4809.1	.915E-05		RU	4837.5	.130E-04		SI
4809.9	.912E-05		ZN	4837.7	.215E-03		ER
4810.0	.122E 00		CD	4838.7	.265E-04		CA
4810.2	.899E-01		GD	4839.2	.173E-02		IR
4810.3	.469E-03		FE	4839.4	.203E-04		GE
4810.5	.412E-05		SN	4839.6	.356E-04		PT
4810.5	.241E-04		SR	4840.5	.835E-03		GA
4811.2	.120E-04		SI	4841.3	.203E-04		MO
4811.3	.226E-04		PD	4841.6	.564E-04		TL
4811.6	.217E-04		AS	4841.8	.510E-04		CU
4811.6	.508E-04		GE	4842.5	.585E-01		HG
4811.7	.142E-03		HO	4842.7	.276E-02		LA
4811.8	.122E-03		TB	4844.0	.543E-04		AS
4812.2	.827E-02		HG	4844.0	.565E-05		RB
				4845.4	.145E-04		OS
4812.7	.167E-03		TI	4846.2	.180E-03		TM
4812.8	.678E-04		OS	4847.2	.338E-03		CR
4813.1	.176E-02		AG	4849.7	.623E-03		IN
4813.5	.524E-05		AL	4851.0	.468E-02		SM
4814.2	.844E-04		SE	4851.5	.566E-03		HF
4815.9	.154E-04		LA	4851.9	.219E-04		I
4816.4	.741E-04		PT	4852.2	.883E-03		AU
4817.3	.412E-03		ND	4852.3	.454E-04		BR
4819.5	.516E-04		SB	4852.5	.191E-04		SR
4820.7	.457E-04		TE	4852.8	.473E-05		BA
4823.2	.418E-03		SC	4854.9	.332E-03		HO
4823.7	.727E-03		IN	4855.0	.274E-04		TE
4824.0	.678E-05		MO	4858.6	.552E-03		NI
4824.5	.944E-04		NI	4858.6	.119E-04		PT
4824.6	.181E-04		PD	4860.2	.850E-02		IR
4827.0	.543E-04		AS	4860.6	.169E-02		AG
4828.0	.158E-03		CS	4860.8	.601E-05		NB
4828.0	.126E-05		SN	4861.0	.974E-03		RE
4828.2	.356E-03		HO	4861.2	.127E-02		RH
4828.8	.293E-04		NB	4864.5	.316E-04		PD



ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
4865.3	.676E-04		PR	4891.4	.381E-04		TA
4865.6	.706E-02		IR	4892.8	.158E-05		SN
4866.6	.949E-04		HO	4893.1	.150E-05		NB
4866.6	.609E-03		AU	4893.3	.190E-02		HG
4866.7	.868E-04		ND	4893.7	.438E-04		I
4867.3	.317E-05		SN	4893.8	.326E-04		AS
4868.4	.328E-04		CU	4896.4	.864E-02		EU
4868.4	.875E-05		TL	4896.6	.184E-03		CS
4869.5	.257E-01		SM	4897.4	.717E-03		ER
4869.7	.290E-02		IN	4898.0	.490E-02		IR
4869.7	.593E-03		GA	4898.2	.789E-05		BA
4869.8	.792E-03		S	4899.4	.133E-03		PT
4869.8	.641E-03		LU	4899.9	.290E-01		CD
4870.3	.182E-04		ZN	4901.3	.821E-03		RH
4872.8	.126E-03		CR	4901.8	.114E-04		TE
4873.6	.775E-02		CD	4902.8	.116E-03		CU
4874.0	.198E-04		FE	4903.3	.965E-04		AL
4874.1	.681E-05		AL	4903.4	.286E-02		AU
4874.8	.135E 00		GD	4903.4	.275E-03		LU
4874.9	.841E-04		K	4903.4	.122E-04		GE
4875.3	.257E-05		RB	4903.7	.154E-04		LA
4875.6	.122E-02		MN	4903.8	.167E-04		RU
				4903.9	.190E-03		HO
4877.1	.284E-04		P	4903.9	.388E-04		K
4877.7	.689E-04		I	4904.8	.898E-04		TM
4878.0	.326E-04		AS	4906.3	.334E-02		CO
4878.2	.376E-05		NB	4906.5	.217E-04		SB
4878.3	.679E-04		YB	4907.5	.845E-03		MN
4880.3	.210E-04		BA	4908.1	.201E-04		BR
4881.0	.525E-04		MO	4911.9	.243E-04		P
4881.3	.431E-02		TI	4912.2	.582E-05		SR
4881.9	.823E-04		RU	4913.2	.436E-02		IN
4881.9	.148E-03		GE	4913.2	.108E-03		TA
4882.1	.135E-03		TM	4913.4	.125E-04		I
4882.4	.113E-03		PT	4913.9	.761E-05		SN
4882.5	.211E-03		AG	4914.2	.204E-03		TL
4882.9	.480E-04		TE	4914.2	.308E-04		NB
4883.3	.130E-02		CL	4915.2	.586E-03		ND
4883.7	.964E-03		V	4915.7	.195E-03		RE
4883.7	.160E-02		SC	4916.1	.120E-02		HF
4884.0	.816E-03		CO	4916.6	.420E-02		RH
4887.3	.425E-03		HF	4918.1	.506E-04		AS
4887.5	.213E-02		AU	4918.3	.128E-02		SC
4888.6	.574E-03		LA	4919.7	.212E-02		HG
4888.8	.468E-02		SM	4920.1	.144E-04		PR
4889.0	.425E-04		ZN	4920.1	.987E-04		TI
4889.1	.183E-03		LU	4920.4	.176E-03		PD
4889.2	.306E-03		RE	4920.7	.969E-05		OS
4890.7	.314E-03		GA	4921.0	.151E-04		BR
4891.3	.131E-02		SC	4921.4	.294E-02		ER

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
4921.7	.809E-03		TM	4966.6	.151E-04		BR
4922.5	.194E-02		CO	4966.6	.181E-04		MG
4922.6	.343E-04		TE	4967.3	.473E-03		CS
				4968.0	.394E-04		BA
4923.6	.749E-03		CS	4968.5	.137E-04		TE
4923.9	.105E-04		BA	4969.0	.468E-02		SM
4925.0	.285E 00		GD	4969.4	.467E-02		IN
4925.5	.312E-04		W	4970.3	.466E-03		MN
4925.6	.847E-05		MO	4970.7	.415E-04		PT
4926.0	.543E-04		YB	4970.9	.176E-03		AG
4927.2	.253E-03		SE	4972.6	.200E-02		RH
4928.6	.323E-04		K	4974.0	.609E-03		AU
4929.1	.451E-05		NB	4974.6	.135E-03		TM
4930.3	.408E-04		SB	4975.1	.672E-02		SC
4930.3	.335E-03		AU	4975.1	.165E-03		NI
4930.3	.142E-04		GE	4975.2	.285E-05		SN
4930.6	.387E-03		AG	4975.3	.140E-01		HG
4932.7	.247E-03		MN	4975.5	.389E-03		HF
4934.3	.242E-02		SI	4977.8	.969E-05		OS
4934.8	.152E-04		MO	4978.9	.316E-04		PD
4936.5	.167E-03		RE	4980.0	.215E-01		CL
4936.5	.368E-01		CD	4980.1	.890E-04		TA
4936.5	.253E-05		SN	4981.2	.119E-03		HO
4939.0	.191E-04		TA	4981.4	.103E-02		DY
4943.3	.195E-04		TL	4981.5	.272E-04		TL
4943.5	.908E-02		IR	4982.7	.121E-03		TE
4945.2	.114E-03		C	4982.7	.157E-04		NB
4945.2	.648E-04		SR	4982.8	.474E-04		CU
4945.8	.135E-03		TM	4982.9	.490E-02		IR
4946.2	.131E-02		SC	4983.1	.250E-03		RE
4947.6	.202E-03		PT	4983.6	.778E-03		LU
4947.8	.513E-05		ZR	4983.6	.232E-01		CD
4948.9	.188E-04		NB	4983.8	.932E-03		ER
* 4949.0	.184E-02		ND	4984.7	.273E-04		ZN
4949.7	.214E-02		MN	4985.3	.133E-04		RB
4950.2	.441E-03		I	4986.6	.827E-05		F
4952.4	.120E-03		GE	4987.7	.404E-03		TM
4954.0	.123E-01		HG	4988.0	.407E-04		SR
4957.6	.449E-04		TM	4988.6	.447E-04		GE
4957.8	.286E-02		AU	4989.3	.152E-04		RU
4958.3	.678E-05		MO	4989.7	.192E-03		TB
4958.9	.358E-03		ER	4989.9	.148E-04		PT
4959.7	.579E-04		AS	4992.1	.549E-03		K
4959.9	.190E-05		SN	4993.2	.550E-03		V
4962.2	.969E-05		OS	4993.8	.460E-03		HF
4962.8	.141E-03		SE	4993.9	.228E-02		SC
4963.6	.426E-04		CA	4995.2	.237E-04		PT
4964.5	.191E-04		TA	4996.2	.702E-02		SM
4966.0	.360E-05		RB	4996.3	.145E-03		AS
4966.6	.284E-02		TI	4996.9	.231E-04		LA
* 4949.1	.144E-03		FE				

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
4998.1	.827E-05		NB	5026.6	.749E-01		GD
4999.0	.241E-02		AU	5026.8	.245E-02		IR
5000.4	.524E-05		AL	5026.8	.957E-03		SE
5000.4	.877E-04		I	5027.5	.135E-03		TM
5000.9	.119E-03		HO	5028.0	.529E-03		RE
5001.5	.950E-03		AG	5028.6	.407E-04		YB
5002.2	.170E-04		FE	5029.5	.118E-04		RB
5002.6	.502E-03		ER	5030.2	.209E-03		TB
5002.9	.119E-03		GA	5031.4	.141E-04		F
5003.0	.206E-02		CO	5031.6	.508E-05		MO
5003.6	.658E-05		CE	5032.4	.934E-03		IN
5004.5	.224E-04		GE	5032.9	.278E-04		NB
5004.9	.707E-04		SB	5033.3	.119E-04		PT
5005.0	.193E-04		PR	5033.3	.112E-04		LI
5005.2	.186E-02		IN	5033.7	.814E-01		CD
5005.4	.717E-01		CD	5034.5	.699E-04		TA
5005.6	.653E-05		F	5034.7	.131E-02		MN
5006.0	.165E-03		TA	5035.6	.263E-04		ZN
5006.6	.146E-02		RH	5036.9	.969E-05		OS
5007.1	.128E-04		ZR	5037.3	.236E-02		ER
5007.3	.216E-04		SR	5037.5	.643E-03		SC
5007.7	.130E-04		SN	5038.3	.110E-02		AU
5007.7	.150E-05		NB	5039.3	.816E-03		CO
5007.9	.890E-03		RE	5041.4	.144E-02		IR
5008.2	.519E-04		NI	5042.3	.651E-04		ND
5010.0	.578E-05		BA	5042.6	.181E-04		PD
5010.4	.855E-03		YB	5043.1	.540E-03		K
5011.2	.252E-04		BR	5043.2	.115E-04		BA
5011.8	.291E-04		OS	5043.7	.285E-05		SN
5011.9	.192E-03		TB	5043.8	.122E-04		RU
5012.7	.123E-04		RB	5043.8	.485E-03		CU
5013.7	.262E-03		K	5044.2	.141E-04		FE
5013.8	.949E-04		HO	5044.4	.237E-04		MO
5014.7	.807E-02		MN	5044.5	.204E-04		Y
5015.0	.797E-04		TL	5044.5	.469E-04		I
5017.0	.750E-04		W	5045.8	.105E-03		TE
5017.0	.299E-02		CL	5046.2	.702E-02		SM
5017.7	.115E-03		I	5046.3	.190E-04		SB
5018.4	.135E-03		CU	5046.6	.127E-03		PT
5018.5	.596E-04		GA	5046.8	.154E-04		LA
5018.6	.316E-04		PD	5047.2	.217E-03		S
5020.3	.702E-02		SM	5047.2	.142E-04		GE
5020.3	.193E-02		CS	5049.3	.195E-03		RE
5020.4	.174E-02		LU	5049.3	.122E-03		TB
5021.0	.724E-04		PR	5049.3	.205E-05		RB
5021.7	.555E-04		BR	5050.1	.180E-03		TM
5022.4	.118E-02		RH	5050.2	.598E-01		HG
5022.8	.166E-03		RU	5051.6	.468E-02		SM
5023.0	.244E-04		GE	5052.3	.131E-03		BR
5023.6	.122E-03		AU	5052.4	.101E-03		PR

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
5052.7	.451E-05		NB	5088.4	.183E-03		LU
5053.3	.949E-04		HO	5089.2	.332E-02		IR
5053.5	.152E-04		ZN	5089.4	.752E-04		GE
5054.0	.578E-03		SC	5090.6	.563E-04		W
5054.4	.109E-02		AG	5090.6	.121E-04		BA
5055.2	.163E-03		GA	5091.7	.244E-04		RU
5056.1	.831E-05		SR	5092.0	.137E-03		TI
				5092.1	.304E-04		ZN
5057.4	.847E-05		CE	5092.7	.749E-01		GD
5058.3	.195E 00		GD	5093.2	.403E-04		BR
5059.8	.183E-03		AU	5093.4	.844E-03		AG
5060.9	.504E-04		PT	5093.6	.486E-05		TL
5060.9	.646E-05		F	5093.7	.335E-03		I
5062.5	.679E-04		YB	5095.0	.117E-01		SM
5063.6	.678E-05		MO	5095.9	.734E-03		PR
5064.6	.894E-04		GE	5096.0	.159E-04		Y
5066.2	.398E-04		AS	5097.3	.145E-04		OS
5067.1	.244E-03		TB	5097.6	.274E-02		LA
5067.4	.463E-02		MN	5098.8	.285E-03		PT
5067.5	.519E-04		NI	5099.6	.471E-03		TB
5068.4	.202E-02		IR	5100.0	.362E-04		PD
5069.7	.375E-03		K	5100.2	.188E-03		SE
5070.1	.109E-02		CO	5101.2	.297E-04		TE
5070.4	.391E-04		NB	5101.6	.232E-05		ZR
5070.4	.387E-01		CD	5101.6	.826E-04		TA
5070.6	.789E-05		SI	5102.9	.108E-04		SR
5071.2	.573E-03		ER	5102.9	.341E-02		AU
5074.3	.134E-02		RE	5104.1	.734E-05		AL
5075.2	.879E-03		AG	5104.2	.842E-04		NB
5075.6	.249E-04		SR	5106.9	.166E-03		HO
5076.0	.943E-03		TM	5107.3	.126E-03		SI
5077.4	.163E-04		SB	5107.5	.135E-04		MO
5077.8	.117E-01		SM	5107.8	.205E-04		BA
5078.1	.326E-04		PT	5108.2	.130E-02		IR
5078.3	.508E-05		MO	5103.4	.446E-02		IN
5079.4	.113E-02		AU	5108.9	.113E-04		FE
5079.5	.484E-05		OS	5108.9	.111E-03		RE
5079.5	.130E-02		CL	5109.1	.898E-04		TM
5079.9	.131E-03		SE	5109.2	.562E-01		CD
5080.4	.543E-04		YB	5109.6	.109E-02		RH
5081.0	.152E-03		AS	5110.3	.169E-01		DY
5082.5	.475E-05		SN	5110.8	.613E-04		NI
5082.8	.688E-03		HO	5111.3	.412E-03		LU
5083.4	.158E-03		CS	5111.4	.451E-03		MN
5084.0	.149E-03		CU	5111.5	.156E-04		I
5085.2	.146E-02		AU	5112.0	.103E-04		CE
5085.4	.106E-02		SC	5112.3	.316E-04		PD
5087.2	.451E-05		NB	5112.3	.201E-02		ER
5087.2	.613E-04		NI	5112.3	.123E-02		AG
5088.3	.232E-04		P	5112.8	.323E-04		K

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
5113.5	.192E-04		ZN	5147.6	.519E-02		IR
5114.5	.443E-05		SN	5148.2	.399E-02		AU
5115.2	.141E-04		SR	5149.0	.525E-02		HG
5115.5	.457E-03		AU	5149.3	.388E-03		CO
5116.1	.727E-04		NA	5150.3	.114E-04		TE
5116.8	.178E-04		PT	5150.9	.158E-05		SN
5117.4	.201E-04		BR	5150.9	.763E-04		TA
5118.2	.847E-05		MO	5151.8	.677E-03		CL
5118.9	.519E-03		IN	5151.9	.510E-04		CU
5119.8	.434E-04		AS	5152.2	.166E-02		TM
5122.9	.137E-04		TE	5152.9	.161E 00		CD
5123.7	.381E-04		TA	5153.0	.442E-04		RU
5124.4	.404E-03		TM	5154.4	.474E-02		RH
5126.4	.482E-03		LA	5154.8	.389E-05		TL
5127.0	.544E-04		SB	5155.2	.997E-05		P
5128.4	.120E-02		CO	5155.7	.809E-03		AG
5128.6	.932E-03		SC	5155.8	.120E 00		GD
5128.9	.427E-03		HO	5156.7	.250E-04		I
5128.9	.535E-04		TL	5156.9	.177E-03		AS
5129.3	.245E-02		IR	5157.0	.765E-05		MG
5129.5	.150E-04		NB	5157.6	.119E-03		HO
5129.8	.508E-05		MO	5154.7	.281E-03		SE
5130.0	.123E-04		RB	5158.8	.217E-04		SB
5132.6	.145E-02		HG	5159.1	.415E-03		GA
5132.6	.517E-04		K	5159.2	.108E-04		RB
5133.5	.605E-04		BR	5160.8	.362E-03		LA
5134.2	.855E-04		AL	5161.5	.112E-03		GE
5134.6	.209E-03		TB	5162.0	.124E-03		SR
5134.7	.821E-03		RH	5162.2	.243E-04		ZN
5134.9	.126E-05		SN	5162.9	.439E-05		ZR
5135.1	.189E-03		MN	5163.5	.932E-03		SC
5135.2	.879E-05		ZR	5164.1	.868E-04		ND
5136.8	.313E-04		I	5164.3	.123E-02		W
5137.2	.106E-02		RE	5165.2	.213E-04		CA
5139.3	.422E-03		AG	5166.1	.101E-02		LU
5139.6	.449E-01		GD	5167.1	.490E-02		IR
5139.6	.452E-04		PD	5169.2	.186E-02		ER
5139.8	.401E-04		CU	5170.1	.751E-04		SE
5140.0	.148E-04		PT	5170.9	.291E-04		OS
5140.2	.133E-02		PR	5171.2	.507E-05		SN
5141.1	.425E-02		IN	5172.2	.394E-02		IN
5141.5	.396E-04		FE	5172.7	.101E-04		MO
5141.6	.518E-02		EU	5173.1	.468E-02		SM
5141.8	.287E-03		ER	5173.4	.525E-03		PT
5142.2	.293E-02		V	5173.6	.805E-03		K
5142.5	.508E-05		MO	5175.5	.883E-03		AU
5143.8	.468E-01		DY	5176.9	.250E-03		RE
5145.5	.109E-03		NI	5177.3	.894E-05		BA
5146.5	.129E-04		CA	5177.3	.186E-01		DY
5146.9	.170E-03		OS	5178.3	.950E-04		PD

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
5178.4	.566E-04		NI	5209.9	.176E-02		SC
5179.2	.285E 00		GD	5209.9	.332E-02		V
5179.3	.470E-04		AS	5211.6	.344E-02		ER
5180.0	.503E-04		TE	5212.0	.260E-03		ND
				5212.2	.898E-04		TM
5180.2	.150E-04		NB	5212.7	.712E-03		HO
5180.8	.182E-03		TL	5212.9	.221E-03		PD
5181.2	.466E-02		MN	5213.5	.132E-02		CO
5181.7	.839E-02		CO	5214.8	.595E-03		LU
5181.9	.254E-04		TA	5218.8	.355E-04		MO
5181.9	.831E-03		HO	5219.1	.518E-02		EU
5182.3	.793E-05		ZR	5219.3	.253E-05		SN
5182.8	.130E-02		IR	5220.3	.360E-02		IR
5183.3	.252E-04		BR	5221.3	.119E-03		GA
5183.6	.246E-03		AG	5221.5	1.000E-01		CD
5183.7	.775E-02		CD	5221.5	.226E-04		FE
5184.9	.240E-03		PT	5222.1	.190E-04		RB
5186.7	.122E-04		RU	5222.9	.219E-03		CR
5188.0	.397E-03		CU	5224.0	.670E-03		CS
5192.0	.366E-03		LU	5224.1	.673E-03		HF
5192.4	.285E-04		GE	5224.1	.126E-03		K
5194.0	.263E-04		NB	5224.1	.687E-05		MG
5194.8	.447E-04		P	5224.4	.167E-02		AU
5194.9	.503E-04		TE	5224.5	.422E-03		AG
5195.0	.853E-03		GA	5224.6	.195E-03		RE
5195.5	.245E-02		IR	5226.0	.156E-04		I
5196.4	.314E-03		TM	5226.0	.225E-03		SC
5196.6	.120E-04		MG	5226.3	.192E-03		TB
5197.8	.566E-03		I	5226.7	.868E-04		ND
5198.3	.271E-04		PD	5226.9	.254E-04		TA
5198.9	.310E-01		CD	5227.0	.378E-04		NI
5199.0	.554E-03		MN	5227.0	.762E-05		RU
5200.2	.141E-04		SR	5227.9	.686E-04		TE
5203.0	.139E-03		TB	5229.6	.484E-05		OS
5203.6	.170E-04		FE	5230.0	.152E-04		ZN
5204.2	.401E-02		RH	5231.2	.179E-02		HG
5204.3	.365E-03		AU	5232.3	.151E-04		BR
5204.6	.407E-03		CS	5232.8	.300E-05		NB
5205.3	.201E-02		AG	5234.4	.358E-03		GA
5205.3	.140E-03		PR	5236.5	.639E-03		RH
5205.7	.223E-03		RE	5236.9	.264E-04		GE
5205.8	.225E-03		SE	5238.2	.270E-03		TM
5206.2	.182E-04		ZN	5239.0	.949E-04		HO
5206.3	.121E-03		TA	5239.2	.702E-02		SM
5206.4	.152E-02		CL	5239.6	.688E-04		W
5206.7	.217E-04		AS	5239.8	.146E-04		TL
5207.0	.302E-04		BR	5240.2	.236E-02		AG
5207.1	.251E-04		TE	5240.3	.226E-04		PD
5207.8	.496E-03		HF	5240.4	.835E-04		RE
5209.5	.180E-04		NB	5240.7	.905E-05		CA

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
5240.9	.645E-03		ER	5270.4	.559E-04		NA
5243.5	.469E-04		SE	5270.5	.530E-04		CA
5244.0	.207E-04		SR	5271.8	.441E-04		BA
5244.7	.853E-01		CD	5271.9	.342E-03		CS
5244.9	.182E-03		CU	5271.9	.848E-05		FE
5245.5	.165E-03		TA	5271.9	.347E-04		SI
5246.0	.145E-02		IN	5273.9	.104E-03		PD
5246.1	.122E-04		RU	5274.0	.111E-03		OS
5246.1	.244E-04		SB	5276.9	.316E-04		SR
5246.4	.231E-02		CL	5277.0	.864E-02		EU
5247.0	.476E-04		ZN	5277.1	.898E-04		TM
5247.3	.219E-04		I	5277.3	.141E-03		SE
5247.6	.830E-04		MO	5277.7	.640E-03		RE
5248.6	.331E-03		TB	5277.8	.502E-03		ER
5249.0	.130E-03		ND	5278.5	.915E-04		TE
5249.1	.145E-04		OS	5279.5	.177E-02		AU
5250.6	.254E-04		FE	5280.5	.254E-04		TA
5250.7	.846E-04		TE	5280.5	.236E-03		TL
5250.7	.749E-01		GD	5281.2	.174E-01		CD
5252.2	.302E-04		BR	5281.5	.712E-04		HO
5252.6	.122E-02		CS	5283.1	.257E-01		SM
5253.6	.428E-04		NB	5283.4	.591E-02		IR
5253.9	.188E-02		MN	5284.2	.188E-04		NB
5254.6	.144E-02		PT	5285.6	.372E-04		MO
5255.8	.411E-05		RB	5285.9	.128E-02		SC
5256.9	.717E-03		ER	5286.5	.139E-03		TB
5257.0	.139E-03		RE	5287.2	.706E-04		BR
				5287.9	.141E-04		FE
5258.6	.156E-03		CU	5288.1	.304E-04		ZN
5261.6	.591E-02		IR	5291.6	.407E-04		YB
5261.7	.258E-02		W	5292.9	.236E-02		ER
5262.0	.943E-04		TL	5293.3	.225E-03		TM
5262.2	.779E-03		HF	5294.8	.316E-04		PD
5263.7	.323E-04		ZR	5295.3	.679E-04		K
5264.7	.138E-02		DY	5295.9	.167E-04		MG
5265.7	.660E-02		YB	5296.7	.856E-03		N
5266.2	.177E-03		P	5297.5	.149E-04		CA
5266.2	.931E-02		RH	5297.6	.946E-04		V
5267.1	.117E-02		N	5297.9	.587E-04		NA
5267.2	.588E-02		SC	5297.9	.686E-05		SI
5267.3	.468E-04		GE	5297.9	.219E-03		I
5267.7	.231E-03		NI	5298.5	.221E-05		SN
5267.7	.167E-03		TI	5298.5	.193E-04		PR
5267.8	.912E-05		ZN	5298.7	.317E-03		AG
5267.8	.130E-03		V	5298.8	.118E-04		P
5268.1	.275E-03		LU	5298.8	.141E-04		FE
5268.3	.156E-02		HG	5299.5	.949E-04		HO
5269.5	.406E-03		CR	5300.9	.232E-01		CD
5270.0	.431E-02		CO	5300.9	.472E-04		RU
5270.0	.907E-04		GA	5301.0	.407E-04		SR

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
5301.0	.803E-04		GA	5337.2	.244E-04		SB
5301.3	.710E-05		Y	5338.3	.468E-02		SM
5301.8	.110E-04		AL	5338.5	.237E-03		HO
5302.3	.362E-04		AS	5339.1	.173E-02		GA
5302.5	.678E-05		MO	5339.4	.751E-04		SE
5304.0	.259E-02		IR	5339.5	.783E-04		I
5305.6	.407E-04		YB	5340.0	.710E-05		Y
5306.3	.135E 00		GD	5340.9	.848E-05		FE
5307.0	.344E-03		PT	5341.3	.374E-04		ZN
5307.7	.278E-04		NB	5341.6	.526E-05		BA
5308.2	.152E-02		AU	5342.1	.291E-04		OS
5309.0	.122E-04		GE	5342.9	.172E-03		TA
5309.4	.668E-05		RB	5344.4	.870E-03		LU
5310.2	.108E-04		ZR	5346.3	.353E-03		SC
5310.9	.316E-04		PD	5347.2	.122E-01		RH
5311.0	.135E-03		TM	5348.0	.449E-01		GD
5311.9	.460E-03		HF	5348.5	.488E-04		GE
5312.3	.326E-04		SB	5348.8	.233E-04		NB
5312.3	.524E-03		NI	5349.3	.103E-04		P
5312.6	.399E-04		BA	5349.6	.206E-04		TE
5313.3	.445E-03		RE	5350.6	.946E-03		RE
5313.5	.532E-05		Y	5352.3	.201E-04		BR
5313.8	.289E-03		CS	5352.5	.976E-05		Y
5314.2	.265E-04		CA	5353.1	.565E-05		RB
5316.0	.807E-04		BR	5353.7	.116E-02		HF
5316.5	.192E-03		SC	5354.4	.244E-02		AU
5317.8	.430E-03		ER	5354.8	.226E-04		PD
5318.6	.170E-04		FE	5355.0	.420E-05		BA
5319.1	.623E-03		IN	5355.1	.314E-03		TM
5319.4	.364E-03		CU	5356.2	.868E-04		ND
5319.8	.936E-02		SM	5356.7	.577E-02		IR
5320.4	.119E-02		LU	5357.0	.844E-03		AG
5320.5	.179E-02		W	5357.3	.125E-04		I
5321.2	.596E-05		CE	5357.4	.339E-04		FE
5321.5	.697E-04		TB	5357.5	.738E-03		CO
5322.5	.166E-04		SR	5358.9	.934E-03		IN
5323.0	.821E-03		RH	5358.9	.143E-02		ER
5323.4	.114E-04		TE	5360.5	.125E-04		I
5323.6	.191E-04		TA	5361.1	.102E-02		SC
5323.6	.380E-05		SN	5361.6	.291E-04		SR
5324.6	.120E 00		CD	5362.1	.107E-04		SN
5325.5	.678E-05		MO	5364.5	.201E-04		BR
5326.4	.281E-03		AG	5366.0	.308E-04		NB
5326.6	.270E-03		TM	5366.1	.320E-03		LU
5329.6	.577E-02		IR	5366.8	.621E-05		Y
5330.8	.678E-05		MO	5367.8	.242E-04		OS
5333.2	.166E-02		IN	5368.3	.244E-04		GE
5333.7	.366E-04		RU	5370.4	.104E-03		GA
5335.6	.154E-02		SC	5371.7	.268E-05		ZR
5335.8	.138E-02		DY	5371.8	.938E-04		SE



ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
5371.9	.430E-03		ER	5406.5	.122E-02		ER
5373.6	.595E-04		TE	5407.0	.289E-03		SC
5373.8	.172E-02		DY	5408.1	.232E-05		ZR
5374.8	.159E-03		AS	5408.4	.761E-04		SB
5375.3	.835E-04		RE	5408.6	.752E-04		GA
5376.6	.452E-04		PD	5409.7	.228E-02		IN
5377.2	.117E-02		CS	5409.9	.998E-05		SR
5378.7	.102E-02		SC	5411.1	.582E-04		AL
5379.7	.225E-01		EU	5412.0	.191E-04		TA
5380.3	.236E-02		K	5413.6	.712E-04		HO
5380.4	.225E-03		TM	5413.6	.494E-03		TM
5380.9	.178E-02		ND	5413.7	.164E-01		SM
5381.5	.835E-04		RE	5414.8	.762E-05		RU
5383.6	.621E-05		Y	5414.9	.339E-04		OS
5383.9	.420E-05		BA	5415.6	.138E-02		DY
5383.9	.691E-04		GE	5416.5	.210E-03		AS
5384.0	.311E-03		IN	5416.8	.305E-04		BA
5384.2	.387E-01		CD	5417.2	.207E-04		PT
5384.3	.190E-04		RB	5417.3	.302E-04		BR
5384.5	.595E-04		I	5417.7	.737E-03		CU
5385.8	.122E-03		AU	5418.4	.209E-02		HF
5386.1	.844E-03		AG	5418.4	.125E-04		I
5386.3	.232E-04		SR	5420.1	.335E-03		AU
5386.7	.848E-05		FE	5420.5	.408E-02		S
5387.5	.118E-04		MO	5420.6	.113E-04		FE
5388.3	.456E-01		HG	5421.7	.211E-03		AG
5392.5	.136E-04		SN	5422.4	.115E-02		IR
5392.9	.950E-04		YB	5423.7	.602E-05		SN
5393.2	.293E-03		PT	5424.1	.748E-04		SR
5394.3	.908E-04		BR	5424.7	.514E-05		RB
5394.5	.122E-03		TI	5424.7	.898E-04		TM
5395.0	.271E-04		PD	5424.8	.376E-05		NB
5395.0	.484E-05		OS	5427.1	.691E-02		EU
5395.5	.378E-04		NI	5427.5	.220E-04		MO
5395.6	.229E-03		LU	5427.7	.886E-05		P
5396.0	.547E-03		RH	5428.5	.593E-03		HO
5397.5	.665E-05		SR	5430.5	.533E-02		IR
5397.5	.253E-04		AS	5431.4	.209E 00		CD
5398.9	.274E-03		AU	5431.8	.104E-03		PD
5399.6	.702E-02		SM	5432.6	.385E-04		PT
5399.6	.231E-02		IR	5433.3	.932E-03		ER
5400.5	.308E-04		NB	5433.3	.887E-05		Y
5401.5	.514E-05		RB	5433.4	.163E-04		SB
5402.8	.300E 00		GD	5433.8	.173E-02		RH
5403.9	.180E-03		TM	5434.3	.318E-04		TA
5404.6	.163E-03		TL	5435.7	.304E-02		MN
5404.9	.131E-04		ZN	5436.0	.260E-03		NI
5405.0	.181E-04		PD	5436.1	.201E-04		BR
5405.2	.408E-03		MN	5436.1	.276E-03		CS
5405.4	.220E-04		MO	5439.0	.131E-04		CE

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
5440.8	.317E-03		AG	5474.2	.384E-03		ZN
5441.5	.111E-04		ZN	5475.0	.949E-04		HO
5442.4	.320E-03		LU	5476.6	.137E-03		TI
5445.2	.159E-03		TI	5476.9	.678E-05		MO
5445.6	.321E-02		SC	5477.7	.219E-05		ZR
5445.7	.650E-04		V	5480.2	.289E-04		PR
5445.9	.201E-04		BR	5480.3	.950E-04		PD
5447.2	.484E-05		OS	5481.5	.415E-03		IN
5447.4	.226E-04		PD	5481.5	.250E-02		SC
5448.2	.144E-02		IR	5482.6	.131E-03		I
5448.2	.260E-02		ND	5483.4	.186E-04		Y
5448.6	.697E-05		SN	5483.5	.194E-04		OS
5449.0	.320E-04		BA	5484.5	.168E-02		HG
5449.2	.766E-04		CU	5485.2	.106E-04		RU
5449.3	.516E-02		DY	5487.2	.115E-02		IR
5449.4	.359E-03		TM	5488.2	.689E-03		GA
5450.2	.291E-03		GE	5489.4	.449E-04		TM
5450.6	.248E-04		NB	5491.1	.213E-01		CD
5450.7	.244E-04		SB	5491.4	.281E-01		SM
5451.3	.107E-03		PT	5492.6	.389E-03		RE
5451.4	.904E-04		TL	5492.9	.486E-03		CS
5451.8	.432E-04		MG	5493.4	.396E-04		FE
5452.9	.170E-04		FE	5493.7	.230E-03		CR
5457.5	.349E-01		CD	5493.8	.171E-02		AU
5458.3	.121E-03		TE	5496.6	.509E-04		TA
5459.2	.244E-04		RU	5496.7	.939E-05		I
5460.0	.847E-05		MO	5496.9	.601E-04		NB
5460.2	.508E-03		CL	5497.6	.492E-03		AG
5460.7	.614E-04		K	5498.5	.152E-03		TI
5462.4	.105E-03		TB	5498.6	.114E-04		TE
5462.4	.109E-02		RH	5498.9	.183E-03		LU
5462.8	.274E-03		AU	5499.1	.114E-02		IN
5463.2	.422E-03		AG	5499.1	.137E-04		RU
5463.4	.175E-03		I	5499.5	.868E-03		SC
5464.4	.700E-04		GA	5499.6	.504E-04		PT
5464.5	.605E-02		IR	5500.9	.138E-01		EU
5464.9	.905E-04		PD	5502.7	.178E-03		SE
5465.4	.156E-02		HG	5503.3	.875E-05		TL
5465.5	.778E-03		LU	5505.4	.946E-03		CS
5465.5	.113E-03		SE	5505.6	.311E-02		HF
5467.2	.158E-05		SN	5505.7	.484E-05		OS
5467.5	.760E-04		AS	5506.4	.645E-03		ER
5468.0	.430E-03		ER	5507.7	.186E-03		BR
5468.0	.163E-04		SB	5509.7	.802E-03		K
5468.3	.175E-03		PT	5510.3	.186E-02		CO
5471.3	.201E-04		BR	5510.4	.601E-05		NB
5471.6	.531E-03		HF	5511.7	.198E-04		FE
5473.1	.113E-04		RB	5515.0	.112E-03		CA
5473.4	.451E-03		CL	5515.1	.158E-02		AG
5474.0	.213E-03		AU	5515.4	.636E-04		TA

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
5515.5	.679E-04		YB	5546.8	.472E-04		NI
5515.5	.574E-02		V	5548.3	.173E-02		RH
5516.9	.846E-02		CL	5549.4	.225E-02		AG
5516.9	.389E-02		IR	5549.5	.119E-03		HO
5517.5	.126E-05		SN	5551.4	.307E-03		V
5517.5	.257E-05		RB	5554.8	.349E-01		CD
5518.0	.139E-03		TB	5554.9	.771E-03		SC
5518.2	.449E-03		TM	5555.9	.381E-04		TA
5518.3	.311E-03		GE	5556.0	.105E-03		CU
5518.3	.473E-05		BA	5556.9	.768E-01		DY
5519.3	.136E-04		SB	5558.6	.887E-05		Y
5519.4	.105E-04		F	5559.2	.665E-05		SR
5519.4	.724E-04		PD	5559.6	.306E-03		I
5520.6	.395E-04		ZN	5560.0	.142E-04		BA
5521.1	.682E-04		PT	5560.0	.107E-03		ZN
5521.2	.225E-02		ND	5560.3	.780E-05		MG
5522.5	.157E-03		TB	5560.3	.417E-03		N
5523.3	.751E-04		I	5560.9	.160E-04		TE
5524.0	.427E-03		HO	5561.2	.182E-03		TI
5524.2	.502E-02		RH	5561.5	.106E-03		GE
5524.3	.365E-02		AU	5562.5	.221E-05		SN
5524.9	.594E-04		RU	5562.8	.258E-04		K
5526.2	.519E-03		IN	5562.8	.162E-04		CA
5526.9	.183E-04		MG	5562.9	.176E-03		SB
5527.2	.101E-01		MN	5564.0	.141E-04		FE
5527.7	.547E-04		CU	5564.6	.118E-01		IR
5530.5	.518E-02		EU	5566.5	.212E-02		HG
5530.6	.242E-04		OS	5567.8	.385E-03		SC
5531.2	.287E-03		ER	5567.9	.183E-04		RU
5531.3	.932E-03		SC	5568.4	.854E-03		CO
5531.4	.406E-04		MO	5568.4	.146E-03		BR
5532.0	.819E-03		N	5569.6	.169E-02		LU
5532.4	.162E-04		P	5570.4	.645E-03		ER
5532.8	.112E 00		SM	5570.6	.151E-02		CS
5533.8	.676E-05		NB	5571.5	.145E-04		OS
5533.8	.233E-04		CA	5572.2	.827E-05		NB
5533.9	.163E-03		TL	5574.3	.113E-02		HF
5534.3	.403E-04		BR	5574.9	.751E-04		SE
5534.4	.822E-02		IR	5576.0	.169E-03		I
5536.2	.775E-02		CD	5576.7	.445E-04		PT
5536.7	.434E-04		TE	5577.6	.242E-03		V
5537.0	.163E-04		SB	5577.8	.114E-03		GA
5539.5	.733E-03		YB	5577.9	.204E-02		AG
5541.3	.159E-03		TI	5579.5	.748E-05		SR
5541.4	.433E-03		GA	5580.3	.113E-04		FE
5541.8	.150E 00		GD	5580.3	.796E-04		AS
5541.9	.183E-03		AU	5580.8	.214E-03		HO
5545.1	.423E-04		MO	5580.9	.623E-03		IN
5545.2	.718E-05		MG	5582.6	.359E 00		GD
5546.7	.741E-04		PT	5583.3	.145E-04		OS

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
5583.5	.865E-04		S	5614.6	.102E-03		CU
5584.0	.381E-04		TA	5616.0	.281E-01		SM
5584.5	.122E-02		SC	5616.6	.107E-04		F
5584.9	.231E-02		CL	5616.7	.837E-03		NA
5585.8	.278E-04		AL	5617.1	.771E-05		RB
5586.3	.204E-03		MN	5617.9	.118E-02		RH
5586.6	.274E-04		RU	5618.8	.124E-02		CR
5586.9	.271E-04		PD	5619.1	.228E-04		TE
5587.9	.468E-05		MG	5619.1	.503E-04		N
5591.8	.278E-04		NB	5619.4	.997E-05		P
5592.3	.449E-04		TM	5619.8	.489E-04		SB
5593.1	.182E-04		SR	5619.9	.125E-02		AU
5594.2	.192E-02		AU	5620.7	.864E-02		EU
5595.6	.375E-02		IR	5620.7	.447E-04		GE
5596.2	.518E-02		EU	5620.8	.573E-03		ER
5597.2	.947E-05		BA	5623.4	.250E-03		CS
5597.3	.232E-05		ZR	5623.5	.270E-02		SC
5597.8	.141E-04		FE	5625.7	.111E-03		GA
5598.0	.193E-01		CD	5628.2	.389E-03		HF
5600.2	.156E-04		I	5629.0	.159E-02		IR
5600.8	.223E-03		RE	5629.9	.253E-04		AS
5600.8	.788E-04		SB	5633.1	.775E-02		CD
5601.5	.121E-02		GA	5635.2	.109E-03		CU
5601.7	.183E-02		LU	5637.0	.508E-03		CL
5601.7	.202E-02		SE	5637.2	.395E-03		TI
5602.2	.915E-05		RU	5637.4	.841E-03		CS
5602.2	.821E-03		RH	5637.5	.308E-05		RB
5602.4	.128E-03		MO	5638.4	.191E-04		TA
5602.9	.416E-02		CO	5638.5	.151E-04		BR
5603.6	.323E-03		TL	5638.7	.651E-03		ND
5604.2	.135E-02		CL	5638.8	.206E-02		CO
5605.4	.712E-04		HO	5639.2	.492E-03		AG
5607.0	.417E-04		Y	5640.4	.969E-05		OS
5607.3	.957E-01		DY	5640.8	.679E-04		YB
5607.5	.151E-04		BR	5641.2	.573E-03		ER
5608.1	.262E-03		TB	5641.9	.374E-03		TL
5608.8	.105E 00		GD	5643.3	.548E-03		AU
5609.3	.814E-03		HF	5644.1	.250E-03		RE
5610.8	.157E-04		NB	5644.9	.226E-04		PD
5611.1	.748E-05		SR	5645.4	.138E-03		Y
5611.4	.131E-03		CS	5646.3	.827E-05		NB
5611.4	.308E-03		PT	5646.5	.449E-04		TM
5611.5	.796E-05		MG	5647.5	.445E-04		ZN
5612.0	.620E-02		IR	5649.6	.779E-03		HF
5612.5	.109E-02		AG	5649.7	.228E-04		RU
5612.6	.113E-04		FE	5649.9	.228E-04		TE
5612.8	.939E-05		I	5650.2	.549E-04		GE
5613.7	.543E-04		AS	5650.2	.203E-04		MO
5613.8	.252E-04		BR	5651.0	.403E-04		BR
5614.0	.369E-02		CO	5651.1	.237E-03		HO

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
5651.3	.171E-03		GA	5695.0	.398E-04		AS
5653.8	.312E-04		W	5695.4	.481E-03		NI
5657.6	.939E-05		I	5695.6	.150E-02		K
5658.1	.741E-01		HG	5697.3	.617E-05		RB
5660.0	.225E 00		GD	5699.7	.549E-02		AG
5660.3	.241E-01		CO	5701.0	.475E-04		HO
5660.9	.181E-04		PD	5702.4	.874E-05		RB
5661.6	.362E-04		AS	5702.6	.969E-05		OS
5662.1	.152E-04		ZN	5703.1	.206E-02		CO
5665.6	.106E-02		SC	5703.1	.122E-04		GE
5665.7	.134E-02		PR	5703.2	.514E-03		SC
5666.4	.835E-04		RE	5703.8	.381E-04		TA
5667.2	.177E-01		IR	5704.8	.129E-03		P
5667.9	.119E-04		F	5705.4	.244E-03		SE
5668.1	.222E-03		TE	5705.9	.389E-03		RE
5669.2	.386E-04		GE	5706.6	.259E-03		CR
5670.8	.198E-04		RU	5706.7	.108E-04		SR
5672.0	.387E-01		CD	5707.0	.158E-05		SN
5672.5	.355E-04		K	5707.0	.651E-03		ND
5673.4	.129E-02		ER	5708.0	.426E-01		CD
5674.3	.757E-04		BR	5708.2	.526E-05		NB
5674.4	.173E-02		RH	5709.3	.209E-04		AL
				5709.5	.316E-04		PD
5674.7	.724E-04		AS	5710.4	.399E-02		AU
5676.3	.731E-03		AU	5711.8	.872E-04		TB
5676.6	.135E 00		GD	5711.9	.788E-03		ER
5676.7	.474E-04		PT	5712.5	.311E-03		IN
5677.9	.407E-04		PD	5713.1	.121E-03		TE
5678.0	.257E-05		RB	5713.1	.225E-03		MO
5679.3	.102E-02		HF	5715.2	.261E-01		CL
5679.9	.321E-03		SC	5718.7	.153E-03		GA
5684.0	.775E-04		OS	5719.4	.111E-03		RE
5684.3	.897E-04		SB	5720.1	.142E-03		HO
5684.6	.332E-03		HO	5720.3	.724E-04		PD
5685.0	.898E-04		TM	5721.1	.172E-03		PT
5686.0	.835E-04		RE	5721.5	.271E-01		CD
5686.1	.582E-04		SR	5723.1	.484E-05		OS
5687.3	.152E-03		TI	5723.5	.797E-02		HF
5688.0	.770E-05		F	5724.4	.329E-05		ZR
5689.0	.908E-02		IR	5724.4	.305E-03		AU
5689.4	.579E-04		AS	5725.3	.140E-01		SM
5690.1	.122E-03		YB	5725.7	.159E-03		I
5691.1	.939E-05		I	5726.2	.151E-03		ND
5692.1	.556E-04		CA	5727.1	.676E-05		NB
5692.4	.498E-03		GA	5728.2	.411E-05		RB
5692.8	.119E-04		PT	5729.0	.778E-02		IR
5693.1	.141E-04		FE	5729.1	.687E-03		LU
5694.1	.508E-05		MO	5729.2	.407E-03		CS
5694.4	.230E-02		HF	5729.6	.524E-03		K
5694.9	.456E-03		RH	5730.7	.849E-05		P

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
5730.7	.309E-03		BA	5771.0	.449E-04		TM
5732.2	.458E-02		HG	5771.3	.271E-04		PD
5733.5	.130E-02		CL	5771.3	.165E-02		ER
5737.2	.427E-02		TM	5771.4	.137E-04		RU
5738.5	.491E-04		MO	5771.6	.197E-03		CU
5738.5	.326E-04		PT	5773.0	.145E-02		IN
5739.9	.457E-03		AG	5776.1	.469E-04		SE
5740.1	.110E-03		GE	5777.0	.121E-03		ZN
5741.2	.468E-02		SM	5777.2	.680E-03		TB
5741.4	.158E-05		SN	5777.7	.903E-03		CL
5741.5	.501E-04		I	5777.9	.939E-05		I
5742.3	.260E-03		ND	5778.3	.365E-04		P
5742.4	.724E-04		PD	5779.6	.461E-03		GA
5742.7	.769E-02		CO	5780.1	.378E-04		NI
5743.7	.270E-02		SC	5781.1	.141E-02		SC
5744.5	.518E-02		EU	5782.6	.120E-01		IR
5745.0	.153E-03		GA				
5746.0	.396E-04		FE	5782.8	.128E 00		CD
5748.3	.645E-03		ER	5783.0	.569E-04		GE
5748.4	.342E-03		CS	5784.2	.195E 00		GD
5750.8	.350E-04		RU	5784.7	.199E-03		AS
5751.2	.621E-05		Y	5786.1	.213E-03		AU
5751.7	.665E-05		SR	5786.6	.311E-04		FE
5751.9	.524E-02		V	5786.8	.660E-03		CO
5752.0	.142E-02		K	5787.9	.362E-04		PD
5752.9	.959E-03		CL	5790.2	.368E-03		CS
5754.2	.105E-03		TB	5790.4	.130E-03		SR
5755.1	.144E-03		TI	5791.4	.954E-04		TA
5756.3	.500E-04		W	5793.1	.366E-02		AG
5757.3	.868E-04		AS	5793.3	.702E-02		SM
5758.5	.563E-04		SE	5793.6	.122E-03		CR
5758.6	.288E-02		IR	5794.6	.689E-04		I
5759.3	.113E-03		PT	5795.5	.518E-02		EU
5760.6	.313E-04		RB	5795.7	.948E-04		PT
5761.1	.234E-02		MN	5795.8	.591E-03		SE
5761.6	.172E-04		ZN	5796.5	.688E-04		W
5762.0	.702E-02		SM	5796.8	.264E-02		RH
5762.7	.602E-03		HF	5797.3	.106E-04		Y
5763.1	.854E-03		HO	5799.4	.434E-04		TE
5765.0	.127E-02		RH	5800.2	.823E-05		RB
5765.9	.173E-04		AL	5801.0	.136E-04		SB
5767.2	.518E-03		AU	5801.8	.106E-03		TI
5767.5	.160E-04		TE	5802.5	.197E-03		CS
5767.6	.864E-02		EU	5803.8	.225E-03		SC
5769.4	.687E-03		LU	5806.0	.264E-03		GA
5770.2	.135E-03		PR	5807.1	.159E-02		IR
5770.3	.509E-04		TA	5808.1	.141E-02		HF
5770.7	.198E-04		FE	5808.7	.974E-03		AU
5770.7	.210E-04		NB	5810.5	.225E-03		TM
5770.8	.985E-03		AG	5811.4	.130E-02		AG

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
5812.5	.146E-02		RH	5857.9	.814E-04		YB
5812.6	.415E-03		IN	5857.9	.251E-03		CR
5813.4	.169E-02		HO	5860.0	.105E-03		TB
5813.8	.751E-04		SE	5860.1	.107E-04		P
5814.3	.473E-05		BA	5866.1	.490E-02		IR
5815.2	.317E-05		ZR	5867.0	.778E-05		TL
5816.5	.162E-04		P	5867.5	.832E-04		AS
5816.8	.110E-02		NI	5868.2	1.000E-04		BR
5817.0	.252E-03		GE	5868.6	.625E-04		SB
5817.3	.121E-01		EU	5870.2	.288E-04		MO
5818.1	.205E-05		RB	5870.2	.203E-04		GE
5818.6	.578E-03		SC	5871.2	.593E-03		HO
5819.0	.250E-04		I	5871.7	.228E-04		RU
5819.4	.372E-04		MO	5872.2	.556E-03		RE
5821.1	.621E-05		Y	5874.5	.107E-03		PT
5821.3	.969E-05		CA	5877.8	.186E-02		ER
5822.1	.259E-02		IR	5878.3	.969E-02		CD
5822.4	.570E-05		SN	5879.5	.137E-02		AU
5822.7	.437E-05		MG	5879.9	.241E-02		DY
5823.7	.565E-04		SR	5880.1	.526E-05		NB
5823.9	.451E 00		CD	5880.6	.162E-03		TE
5824.5	.183E-03		LU	5882.1	.118E-02		RH
5825.2	.101E-03		PR	5884.2	.242E-04		OS
5826.5	.141E-04		FE	5884.6	.289E-04		AS
5826.8	.367E-03		YB	5885.9	.164E-04		RB
5828.4	.371E-03		PD	5886.2	.163E-03		SB
5829.3	.652E-04		PT	5886.2	.148E-03		GA
5831.2	.289E-04		RU	5887.1	.498E-04		PD
5833.3	.117E-01		SM	5890.0	.453E-05		MG
5833.9	.601E-05		NB	5890.1	.875E-05		TL
5834.0	.217E-04		AS	5891.5	.924E-03		TB
5834.3	.192E-03		SC	5891.7	.164E-02		V
5836.7	.321E-03		NI	5891.7	.689E-04		I
5839.5	1.000E-03		AU	5891.9	.633E-02		IN
5840.3	.366E-04		TE	5892.6	.140E-01		SM
5841.0	.668E-05		RB	5893.0	.508E-05		MO
5841.7	.279E-03		TB	5893.9	.437E-04		CU
5842.9	.468E-03		PR	5894.3	.396E-04		RU
5847.4	.889E-04		PT	5894.4	.281E-03		AG
5848.4	.138E-02		DY	5894.9	.518E-02		EU
5849.6	.364E-04		CU	5895.2	.251E-04		TE
5850.3	.117E-02		CO	5895.3	.631E-04		NB
5852.6	.951E-06		SN	5896.8	.183E-03		LU
5853.3	.486E-05		TL	5897.3	.668E-02		SC
5853.4	.411E-04		RU	5898.6	.394E-03		CS
5853.9	.452E-04		PD	5900.6	.198E-03		CA
5855.5	.170E-04		FE	5901.1	.950E-04		YB
5856.3	.195E-03		RE	5901.4	.158E-03		GA
5856.6	.287E-03		ER	5902.4	.326E-04		AS
5857.8	.943E-03		TM	5902.5	.108E-02		TM

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
5902.9	.704E 00		GD	5945.1	.710E-05		Y
5902.9	.530E-02		CL	5946.8	.142E-04		NB
5903.0	.213E-03		AU	5947.3	.191E-04		TA
5903.3	.271E-04		PD	5949.8	.315E-03		CS
				5950.5	.226E-04		PD
5905.2	.697E-05		SN	5952.2	.678E-04		MO
5906.5	.108E-04		SR	5952.6	.141E-03		BR
5906.6	.122E-03		SE	5952.8	.148E-03		PT
5907.0	.288E-02		IR	5953.7	.384E-03		TB
5907.6	.112E-02		TM	5954.8	.518E-02		EU
5910.1	.101E-03		ZN	5956.2	.152E-02		CL
5910.2	.184E-02		RE	5957.7	.200E-01		IR
5910.5	.124E-03		PT	5958.1	.127E-03		BE
5910.9	.244E-04		RU	5960.7	.976E-05		Y
5911.5	.387E-03		AG	5960.9	.122E-03		AU
5914.2	.363E-03		BR	5961.1	.187E-04		I
5916.3	.223E-03		CS	5961.8	.244E-04		GE
5917.2	.129E-01		RH	5962.8	.328E-01		SM
5917.8	1.000E-04		TL	5964.7	.451E-03		TA
5918.3	.242E-01		EU	5965.4	.977E-05		NB
5919.6	.484E-05		OS	5966.0	.407E-04		YB
5919.9	.949E-04		HO	5966.9	.173E 00		HG
5920.0	.492E-03		GA	5967.4	.114E-03		TI
5920.5	.234E-02		FE	5969.1	.938E-04		SE
5920.9	.152E-03		AU	5969.5	.969E-05		OS
5921.0	.407E-04		YB	5972.0	.181E-04		AS
5921.3	.147E-02		MN	5972.3	.168E-04		BA
5921.5	.806E-05		ZR	5972.4	.915E-04		TE
5922.1	.229E-03		LU	5972.8	.221E-05		SN
5924.1	.472E-04		NI	5973.6	.363E-03		NI
5924.5	.211E-01		SM	5974.9	.122E-04		RU
5926.0	.672E-02		CO	5975.9	.252E-01		CO
5926.0	.610E-03		SC	5976.8	.237E-03		CS
5931.1	.285E-04		GE	5978.4	.438E-04		W
5931.7	.976E-05		Y	5978.9	.109E-02		SC
5932.4	.190E-05		SN	5980.3	.827E-05		NB
5932.6	.462E-05		RB	5980.6	.323E-04		CA
5933.0	.242E-04		OS	5980.7	.205E-04		RB
5933.3	.136E-04		SB	5982.8	.417E-02		AU
5933.9	.915E-05		TE	5982.8	.212E-04		ZN
5934.3	.153E 00		CD	5982.9	.214E-03		HO
5935.1	.178E-04		PT	5983.7	.131E-03		PD
5938.5	.114E-04		TE	5984.0	.412E-03		LU
5939.6	.997E-05		P	5984.4	.626E-04		I
5940.6	.189E-02		AU	5985.8	.434E-04		AS
5942.7	.418E-02		TM	5989.1	.566E-03		HF
5942.8	.183E-04		RU	5989.6	.135E-01		CD
5943.4	.156E-04		I	5991.3	.118E-02		RH
5944.5	.532E-04		V	5992.4	.285E-05		SN
5944.8	.702E-02		SM	5994.7	.453E-03		TB



ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
5995.7	.317E-03		AG	6042.4	.310E-01		CD
5997.0	.902E-05		NB	6043.7	.252E-04		BR
5997.3	.508E-05		MO	6046.4	.703E-02		RH
5997.3	.621E-05		Y	6046.8	.103E-04		SI
5999.5	.357E-04		SR	6047.4	.415E-03		IN
5999.6	.815E-03		CR	6048.8	.510E-04		CU
5999.7	.151E-04		BR	6048.9	.571E-04		SB
6001.6	.243E-02		TM	6050.2	.543E-04		PD
6002.4	.281E-04		I	6050.3	.225E-03		SE
6003.8	.144E-02		IR	6051.7	.860E-03		ER
6003.9	.133E-03		PT	6051.9	.108E-02		CS
6005.2	.139E-03		RE	6052.1	.593E-03		HO
6007.9	.326E-04		AS	6052.9	.898E-04		TM
6007.9	.451E-03		CL	6054.2	.109E-03		YB
6008.0	.149E-02		GA	6054.9	.733E-02		SC
6008.0	.271E-02		SE	6055.8	.302E-04		BR
6009.3	.190E-03		YB	6056.1	.408E-02		AG
6009.4	.707E-04		SB	6056.6	.412E-05		SN
6010.4	.543E-03		CU	6058.3	.224E-03		AS
6012.9	.116E-04		SR	6058.5	.548E-03		AU
6017.1	.334E-04		F	6059.9	.145E-04		OS
6017.2	.183E-03		AU	6061.4	.141E-04		FE
6017.3	.129E-04		LI	6061.9	.133E-04		P
6018.5	.228E-02		FE	6061.9	.425E-04		NI
6018.8	.164E-01		SM	6062.1	.157E-04		BA
6019.5	.110E-04		AL	6062.1	.531E-03		HF
6019.6	.244E-04		GE	6062.5	.273E-03		TA
6019.9	.130E-02		AG	6063.0	.149E-03		CU
6020.9	.355E-04		MO	6064.5	.174E-04		RB
6020.9	.691E-02		EU	6066.6	.274E-04		RU
6021.9	.187E-02		IR	6066.9	.372E-04		MO
6022.2	.162E-03		W	6068.9	.138E-01		EU
6025.6	.292E-04		TL	6069.9	.601E-05		NB
6026.8	.116E-03		AS	6074.1	.860E-04		PT
6027.2	.139E-03		TE	6077.1	.137E-04		TE
6027.9	.457E-04		BA	6079.6	.306E-03		RE
6032.2	.205E-05		RB	6080.3	.643E-02		Y
6032.6	.641E-03		MN	6080.7	.246E-03		AG
6033.0	.183E-03		AU	6081.6	.484E-05		OS
6033.5	.167E-03		RE	6081.8	.176E-01		IR
6033.5	.326E-03		PT	6082.8	.593E-02		RH
6034.1	.897E-04		NI	6082.9	.788E-04		SB
6036.3	.110E-04		P	6084.7	.125E-04		I
6036.7	.380E-03		GE	6084.7	.769E-04		V
6037.1	.532E-04		V	6086.1	.308E-05		RB
6037.8	.578E-05		MG	6086.4	.691E-02		EU
6037.9	.117E-03		ZN	6086.8	.118E-02		CL
6037.9	.271E-04		CA	6091.0	.419E-04		NA
6038.3	.915E-05		RU	6092.4	.142E-04		GE
6040.5	.206E-02		CO	6093.8	.477E-03		ND

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
6094.5	.190E-05		SN	6149.8	.151E-02		CO
6097.1	.836E-03		SC	6150.0	.167E-03		TI
6097.1	.579E-04		AS	6154.9	.887E-05		Y
6097.5	.207E-04		PT	6156.5	.708E-04		NI
6098.5	.312E-04		W	6156.9	.938E-04		SE
6100.6	.422E-03		AG	6157.0	.484E-05		OS
6100.7	.508E-05		MO	6157.9	.950E-03		AG
6101.6	.939E-04		AL	6158.9	.951E-06		SN
6101.9	.295E-03		SR	6163.8	.170E-04		FE
6104.5	.277E-02		MN	6165.0	.244E-04		SB
6105.0	.982E-03		NI	6165.1	.915E-05		RU
6106.1	.216E-02		AU	6165.5	.396E-03		AU
6107.8	.518E-02		EU	6166.5	.376E-05		NB
6108.9	.237E-02		RH	6166.9	.204E-03		TL
6109.1	.296E-03		TI	6167.1	.401E-04		CU
6110.1	.498E-04		PD	6168.4	.679E-04		YB
6110.5	.233E-02		CO	6169.1	.679E-04		PD
6110.7	.657E-04		SE	6169.8	.159E-03		TI
6111.1	.890E-01		CL	6170.3	.717E-02		SC
6111.4	.118E-02		GA	6171.2	.858E-04		BR
6111.4	.298E-04		MG	6171.8	.611E-02		RH
6112.3	.262E-02		HF	6171.8	.110E-03		GE
6112.4	.898E-04		TM	6171.9	.573E-03		ER
6113.4	.358E-03		ER	6172.9	.159E-04		Y
6116.3	.415E-03		GE	6174.8	.143E-04		F
6118.1	.415E-04		PT	6175.1	.762E-03		CS
6119.6	.233E-04		TL	6175.8	.499E-05		MG
6119.8	.223E-03		RE	6178.1	.897E-04		NI
6129.1	.762E-04		MO	6180.3	.152E-04		MO
6129.6	.351E-01		SM	6180.6	.115E-04		Y
6129.9	.205E-03		GA	6181.0	.543E-04		AS
6133.6	.839E-04		CU	6181.6	.969E-05		OS
6133.8	.113E-03		SE	6183.1	.943E-04		TL
6135.2	.311E-03		IN	6184.8	.320E-04		RU
6136.3	.596E-03		CR	6186.5	.663E-04		TE
6136.6	.665E-05		SR	6187.9	.190E-04		RB
6137.0	.186E-02		ER	6189.3	.407E-03		CS
6138.1	.456E-03		RH	6190.5	.274E-02		W
6138.1	.362E-04		PD	6192.0	.106E-04		Y
6138.6	.118E-03		CS	6192.4	.675E-03		SC
6138.8	.471E-03		TB	6193.0	.152E-03		AU
6140.5	.468E-02		SM	6193.1	.371E-03		GA
6142.8	.904E-04		AS	6194.6	.266E-04		P
6143.7	.308E-05		RB	6195.9	.353E-04		BR
6144.0	.378E-04		NI	6196.9	.179E-02		HG
6144.3	.957E-03		W	6199.0	.251E-04		AL
6145.1	.899E-01		GD	6199.4	.107E-04		TL
6146.9	.757E-04		BR	6199.7	.122E-03		TI
6148.3	.156E-04		I	6199.9	.115E-02		ER
6148.6	.347E-02		AU	6200.2	.976E-04		GE

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
6200.7	.141E-03		AS	6253.3	.796E-05		MG
6201.3	.292E-04		Y	6253.5	.617E-05		RB
6202.1	.775E-05		CA	6253.9	.532E-04		V
6203.5	.385E-03		SC	6254.7	.769E-04		PD
6208.5	.814E-04		YB	6254.7	.969E-02		CD
6209.1	.533E-04		RU	6255.9	.544E-02		ND
6210.4	.244E-05		ZR	6256.2	.320E-03		LU
6211.1	.210E-03		TE	6259.0	.289E-03		SC
6211.4	.630E-02		RH	6262.9	.516E-04		ZN
6214.7	.438E-04		I	6266.5	.317E-03		AG
6215.0	.775E-02		CD	6267.3	.463E-03		SR
6215.2	.300E-05		NB	6267.5	.283E-04		FE
6217.0	.194E-04		OS	6267.7	.158E-02		CL
6218.0	.352E-03		AG	6268.0	.139E-04		SN
6218.2	.697E-03		TB	6270.8	.656E-04		BR
6220.3	.271E-04		PD	6271.4	.877E-04		I
6221.0	.376E-05		NB	6271.7	.262E-03		TB
6221.8	.605E-04		BR	6273.7	.122E-03		RU
6222.9	.827E-04		TL	6273.9	.874E-05		MG
6224.6	.583E-04		CU	6274.1	.411E-05		RB
6225.0	.133E-04		Y	6274.4	.621E-05		Y
6226.1	.960E-05		P	6274.7	.289E-03		SC
6226.5	.325E-04		GE	6274.8	.505E-03		CO
6228.5	.190E-01		EU	6274.8	.201E-03		GE
6228.7	.407E-04		YB	6275.7	.177E-04		P
6229.0	.530E-02		ER	6276.2	.268E-02		AU
6229.3	.253E-04		AS	6277.4	.407E-04		YB
6230.0	.335E-02		HG	6278.4	.946E-04		V
6230.3	.190E-05		SN	6282.4	.424E-03		CR
6230.4	.155E-01		CD	6285.2	.165E-04		TL
6230.4	.174E-04		SR	6287.0	.106E-04		SI
6231.1	.415E-03		IN	6287.8	.114E-03		TI
6232.7	.142E-02		SE	6288.2	.101E-04		ZN
6232.9	.115E-04		Y	6290.4	.750E-04		W
6234.7	.257E-05		RB	6292.5	.775E-02		CD
6235.3	.316E-04		PD	6292.8	.150E-04		NB
6238.7	.337E-04		Y	6292.8	.411E-05		RB
6242.7	.192E-03		TB	6293.2	.752E-04		GA
6244.1	.652E-05		SI	6294.5	.655E-03		AS
6244.1	.656E-04		CU	6295.0	.316E-04		PD
6244.2	.237E-04		PT	6295.0	.193E-03		ZR
6245.1	.158E-03		CS	6298.9	.381E-04		RU
6245.7	.934E-04		CR	6300.2	.115E-02		SC
6246.8	.898E-04		TM	6302.9	.146E-02		RH
6246.8	.454E-04		BR	6303.0	.531E-03		HF
6247.2	.145E-04		OS	6303.7	.868E-04		ND
6250.3	.468E-02		SM	6303.9	.526E-05		BA
6250.4	.951E-06		SN	6307.4	.297E-03		I
6251.7	.134E-03		GE	6307.9	.518E-02		EU
6252.0	.165E-01		AU	6308.5	.181E-04		PD

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
6310.3	.121E-01		HG	6356.9	.134E-02		HF
6312.5	.858E-04		BR	6357.6	.484E-05		OS
6315.5	.225E-03		SE	6358.1	.451E-03		CL
6316.2	.771E-04		AL	6360.0	.313E-02		GA
6316.6	.339E-05		MO	6361.6	.181E-04		PD
6316.9	.314E-03		TB	6361.7	.630E-04		GE
6317.4	.250E-04		W	6363.8	.544E-04		SB
6318.1	.549E-02		SC	6364.1	.289E-03		SC
6318.4	.625E-03		GA	6364.6	.127E-03		MO
6318.7	.354E-03		NI	6366.8	.860E-03		ER
6319.1	.296E-04		PT	6368.3	.472E-04		NI
6319.1	.765E-05		MG	6369.1	.253E-04		AS
6319.1	.106E-01		AU	6371.1	.335E-04		RU
6319.5	.232E-04		P	6372.1	.262E-03		CR
6319.6	.134E-03		GE	6372.2	.135E-04		PD
6319.7	.148E-03		V	6372.6	.709E-04		V
6319.9	.131E-03		CS	6375.8	.733E-03		CL
6320.2	.102E-03		CU	6377.2	.549E-04		TE
6320.4	.802E-05		LI	6380.1	.141E-03		SB
6320.9	.957E-05		F	6380.1	.433E-03		SI
6321.2	.484E-05		OS	6380.7	.181E-03		FE
6321.4	.767E-03		N	6382.6	.122E-03		AU
6322.2	.158E-04		SR	6384.6	.281E-03		AG
6322.6	.252E-04		CA	6385.4	.102E-04		RB
6323.0	.700E-03		TE	6387.4	.364E-02		TM
6323.2	.727E-03		IN	6387.6	.485E-04		K
6324.0	.108E-03		ND	6388.4	.210E-03		CS
6324.7	.289E-04		RU	6389.4	.205E-03		GE
6326.4	.176E-03		CR	6389.9	.342E-04		CA
6330.4	.860E-04		PD	6390.3	.199E-04		SR
6331.9	.142E-04		NB	6390.7	.128E-03		I
6333.4	.114E-03		TI	6391.5	.868E-04		AS
6335.6	.598E-04		SB	6391.5	.785E-03		GA
6335.6	.507E-05		SN	6392.0	.158E-04		P
6336.1	.214E-04		TL	6393.4	.397E-03		CU
6340.2	.677E-03		CL	6395.4	.359E-02		NA
6342.1	.128E-03		RU	6397.4	.938E-02		HG
6342.5	.887E-04		V	6399.2	.912E-05		ZN
6343.7	.998E-05		SR	6402.7	.362E-04		AS
6344.7	.434E-04		AS	6403.6	.116E-01		CD
6344.7	.936E-02		SM	6407.9	.162E-03		W
6345.1	.113E-03		SE	6409.0	.163E-04		SB
6349.4	.364E-04		CU	6411.2	.194E-04		OS
6349.8	.527E-02		SC	6411.4	.114E-02		IN
6352.4	.771E-05		RB	6414.1	.122E-02		SE
6352.7	.401E-04		CA	6415.2	.376E-05		NB
6354.0	.438E-02		RH	6415.8	.518E-02		EU
6354.7	.262E-03		BR	6416.3	.106E-04		RU
6354.8	.200E-04		MG	6416.4	.244E-03		AU
6355.0	.539E-03		TM	6417.0	.133E-04		SR

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
6418.0	.277E-01		TI	6466.2	.183E-04		GE
6418.4	.771E-05		RB	6468.1	.119E-03		SB
6418.5	.118E-04		MO	6468.4	.526E-05		BA
6418.5	.407E-04		YB	6469.9	.905E-05		CA
6418.6	.106E-03		GE	6470.7	.262E-04		RB
6418.9	.229E-04		P	6470.7	.472E-04		NI
6418.9	.112E-03		AS	6471.2	.113E-03		CU
6419.3	.329E 00		GD	6471.2	.437E-05		MG
6419.4	.513E-04		N	6473.2	.151E-03		ND
6419.4	.136E-02		RH	6480.3	.206E-04		TE
6419.5	.609E-05		MG	6481.3	.117E-01		SM
6419.9	.182E-02		CA	6481.6	.122E-03		TI
6420.0	.721E-05		SI	6481.6	.187E-04		I
				6482.2	.952E-04		ZN
6420.5	.157E-03		TB	6486.3	.244E-01		CO
6420.7	.452E-04		K	6486.8	.201E-04		BR
6421.1	.344E-04		ZN	6487.0	.748E-05		SR
6421.3	.253E-05		SN	6487.5	.564E-03		CL
6422.2	.430E-03		ER	6488.6	.244E-04		GE
6422.5	.959E-03		CL	6489.3	.905E-04		PD
6429.8	.385E-03		SC	6490.6	.468E-05		MG
6430.1	.109E-02		MN	6495.0	.287E-03		ER
6431.8	.160E-04		TE	6498.2	.217E-04		SB
6434.7	.860E-04		PD	6500.2	.454E-04		BR
6435.6	.112E-04		NB	6500.4	.319E-03		SE
6436.2	.508E-05		MO	6502.1	.120E-01		ND
6437.3	.458E-03		LU	6503.0	.217E-04		AS
6438.8	.116E-03		BR	6503.1	.720E-05		RB
6439.7	.473E-03		CS	6504.1	.246E-04		CA
6440.7	.194E-04		AL	6504.7	.184E-04		P
6442.2	.749E-05		MG	6505.4	.397E-04		N
6442.4	.117E-02		TM	6506.1	.508E-04		GE
6442.9	.841E-05		BA	6506.4	.141E-02		SC
6443.3	.285E-05		SN	6507.1	.170E-04		FE
6446.1	.387E-03		AG	6507.8	.998E-05		SR
6446.3	.183E-04		GE	6507.8	.228E-04		RU
6449.6	.689E-04		I	6508.3	.718E-05		MG
6451.6	.181E-04		PD	6509.4	.922E-04		ZN
6455.2	.141E-04		FE	6512.1	.505E-02		AU
6455.4	.271E-04		MO	6512.6	.700E-04		GA
6456.8	.682E-02		AU	6513.7	.118E-03		CS
6457.8	.147E-02		SC	6515.2	.157E-03		TL
6457.8	.668E-01		HG	6517.2	.232E-01		CD
6460.8	.285E-05		SN	6517.2	.112E-01		V
6461.8	.329E-01		CD	6518.8	.148E-04		PT
6462.7	.181E-04		PD	6519.9	.130E-03		ND
6463.5	.182E-04		SR	6520.2	.293E-04		RB
6464.8	.760E-04		AS	6521.1	.122E-03		TI
6464.8	.565E-02		V	6521.6	.752E-04		GA
6465.7	.415E-05		ZR	6523.6	.321E-03		SB

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
6526.2	.300E-05		NB	6600.7	.279E-04		F
6528.9	.125E-04		I	6601.2	.404E-02		SE
6532.2	.171E-03		BR	6601.3	.308E-05		RB
6532.5	.111E-04		ZN	6601.9	.729E-05		SN
6533.7	.709E-04		TE	6605.1	.349E-01		CD
6534.4	.508E-05		MO	6608.1	.137E-04		RU
6536.6	.472E-04		NI	6614.5	.526E-04		TE
6536.9	.257E-03		SC	6615.0	.204E-03		YB
6537.9	.468E-01		SM	6617.5	.259E-03		CU
6538.6	.197E-02		AG	6619.2	.453E-05		MG
6540.1	.977E-04		AS	6619.9	.771E-05		RB
6542.3	.407E-04		YB	6620.1	.564E-01		CL
6542.9	.244E-04		GE	6620.4	.969E-05		OS
6543.0	.181E-04		PD	6621.5	.183E-03		LU
6544.7	.665E-05		SR	6622.6	.150E-04		Y
6550.4	.411E-05		RB	6623.2	.210E-04		BA
6552.9	.247E-02		TM	6624.7	.149E-03		PD
6555.6	.493E-02		TI	6625.1	.123E-03		MO
6555.6	.709E-04		V	6625.9	.946E-04		V
6555.7	.613E-04		NI	6626.8	.625E-04		RU
6556.0	.218E-03		MN	6633.2	.519E-04		NI
6556.8	.565E-02		SC	6642.1	.709E-04		V
6558.5	.484E-05		OS	6643.0	.126E-03		BR
6560.2	.135E-04		MO	6644.2	.260E-02		SC
6560.4	.415E-04		PT	6645.5	.190E-02		CR
6562.3	.289E-04		RU	6645.6	.720E-04		I
6567.4	.360E-05		RB	6647.6	.380E-05		SN
6568.0	.246E-03		AG	6652.5	.163E-03		PD
6569.3	.908E-04		BR	6654.3	.117E-04		TL
6570.0	.105E-04		MG	6658.2	.217E-04		AS
6570.8	.137E-04		TE	6658.3	.123E-03		ZN
6573.3	.198E-04		FE	6660.6	.460E-03		SR
6575.3	.450E-03		SC	6660.8	.469E-04		SE
6575.6	.510E-04		CU	6667.3	.111E-03		BR
6577.7	.136E-02		ER	6667.8	.939E-05		I
6579.2	.678E-05		MO	6670.1	.120E 00		GD
6583.6	.920E-03		NI				
6584.1	.508E-05		MO	6673.6	.593E-04		MO
6585.0	.691E-04		GE	6674.2	.226E-04		PD
6585.3	.152E-03		AS	6675.5	.226E-04		CA
6585.5	.582E-05		SR	6676.0	.709E-04		V
6587.2	.436E-04		OS	6676.6	.375E-04		SE
6587.3	.271E-01		CD	6676.8	.308E-02		ER
6590.3	.724E-04		PD	6678.0	.142E-02		CU
6597.4	.105E-04		NB	6680.9	.447E-04		GE
6597.4	.116E-04		CA	6681.6	.677E-03		CL
6598.7	.113E-04		FE	6683.6	.849E-04		NI
6599.5	.806E-03		CU	6685.8	.198E-04		FE
6599.7	.101E-03		V	6688.4	.257E-03		SC
6600.0	.484E-05		MG	6688.8	.253E-04		AS

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
6689.5	.411E-04		RU	6785.8	.374E-02		RH
6690.1	.126E-03		BR	6785.8	.158E-05		SN
6693.0	.278E-03		I	6785.9	.569E-04		GE
6696.8	.789E-03		CS	6787.3	.451E-03		CL
6698.9	.706E-04		SR	6790.3	.135E-03		CU
6700.7	.605E-04		BR	6794.9	.167E-04		RU
6703.1	.415E-04		ZN	6803.8	.160E-02		LU
6705.7	.563E-03		AG	6805.5	.544E-04		SB
6706.0	.280E-01		CO	6809.9	.105E-02		AS
6706.2	.946E-04		V	6810.0	.397E-03		BE
6706.9	.257E-05		RB	6811.6	.169E-03		SE
6707.8	.206E-04		P	6812.8	.117E-03		PD
6707.9	.398E-03		GE	6813.7	.283E-04		FE
6709.3	.702E-05		MG	6814.4	.590E-04		GE
6709.3	.847E-05		MO	6822.9	.407E-04		YB
6710.6	.173E-04		AL	6823.3	.698E-01		CD
6711.5	.226E-04		PD	6825.5	.339E-05		MO
6715.3	.276E-03		CS	6830.7	.752E-04		NB
6716.7	.479E-02		SC	6831.4	.308E-04		RB
6716.8	.113E-03		NI	6832.8	.401E-04		CU
6728.0	.217E-03		SB	6833.9	.605E-04		BR
6733.9	.135E-04		MO	6837.0	.562E-02		NI
6735.0	.164E-02		RH	6839.5	.155E-01		SC
6735.9	.158E-03		PD	6840.9	.109E-03		YB
6736.4	.255E-04		PB	6844.3	.499E-04		SR
6736.6	.118E-04		MO	6849.4	.508E-05		MO
6738.0	.178E-04		PT	6851.6	.582E-04		K
6738.5	.206E-02		CO	6858.2	.106E-04		Y
6739.0	.846E-04		I	6861.6	.339E-05		MO
6739.5	.289E-04		AS	6867.6	.204E-03		ZN
6742.3	.631E-04		SI	6870.3	.244E-03		SE
6745.5	.227E-03		BR	6870.4	.504E-04		BR
6749.8	.198E 01		GD	6873.9	.672E-02		V
				6874.4	.167E-02		SC
6754.3	.320E-04		RU	6875.6	.451E-03		CL
6755.9	.508E-03		CL	6876.9	.302E-01		CO
6759.3	.796E-05		B	6877.2	.300E-05		NB
6759.4	.426E-04		N	6881.6	.289E-04		AS
6759.7	.411E-01		TI	6882.0	.235E-03		TI
6761.1	.229E-03		LU	6885.1	.252E-03		SR
6762.3	.113E-04		FE	6887.5	.352E-03		AG
6763.2	.751E-04		SE	6888.4	.519E-04		NI
6769.6	.108E-03		ZN	6890.1	.370E-03		CR
6771.0	.974E-05		LI	6894.0	.252E-04		BR
6771.0	.201E-04		BR	6895.0	.183E-04		TE
6780.1	.489E-03		YB	6898.3	.323E-04		K
6783.0	.579E-04		AS	6901.8	.519E-04		NI
6783.7	.504E-02		MN	6904.7	.244E-03		SE
6785.3	.528E-03		P	6908.0	.152E-03		TI
6785.7	.484E-05		OS	6910.3	.157E-03		ZN

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
6910.9	.137E-04		RU	7030.1	.247E-03		BR
6913.2	.105E 00		GD	7032.7	.141E-04		FE
6913.3	.388E-03		CO	7037.0	.656E-04		CU
6914.0	.117E-01		SM	7038.7	.262E-03		MN
6914.2	.999E-05		MG	7046.1	.152E-04		ZN
6915.0	.135E-04		NB	7049.3	.170E-04		FE
6915.0	.894E-05		BA	7052.1	.115E-02		SC
6915.3	.284E-04		P	7055.4	.144E-04		SI
6915.5	.321E-03		GE	7055.9	.641E-02		CO
6915.8	.874E-05		RB	7057.6	.678E-05		MO
6915.8	.194E-04		CA	7057.9	.165E-01		MN
6916.5	.190E-05		SN	7061.5	.452E-04		PD
6918.6	.252E-04		BR	7062.3	.246E-03		AG
6919.3	.579E-03		MO	7063.4	.275E-03		AS
6926.1	.376E-03		AS	7063.6	.167E-03		CU
6929.0	.374E-02		MN	7069.1	.160E-03		V
6935.9	.271E-04		PD	7069.2	.163E-03		ZN
6941.9	.282E-03		SR	7075.7	.316E-04		PD
6943.5	.108E-04		RB	7076.3	.267E-03		BR
6947.4	.519E-04		NI	7076.3	.102E-02		AG
6948.4	.264E-02		CO	7090.8	.132E-03		GE
6950.2	.151E-04		BR	7091.7	.113E-04		FE
6957.1	.518E-04		RU	7099.7	.139E-02		CR
6958.5	.325E-03		ZN	7100.4	.755E-04		TE
6960.8	.932E-03		SC	7102.9	.823E-04		RU
6963.8	.914E-05		SR	7106.2	.969E-05		CA
6965.6	.946E-04		V	7110.8	.672E-03		ND
6974.3	.739E-03		AG	7110.9	.526E-05		NB
6976.4	.651E-04		AS	7112.0	.163E-03		ZN
6977.6	.970E-02		CL	7114.0	.235E-03		SE
6977.6	.679E-04		YB	7114.4	.158E-05		SN
6978.9	.221E-05		SN	7117.1	.485E-02		SC
6983.1	.566E-04		NI	7117.6	.748E-05		SR
6985.1	.110E-01		CO	7122.4	.588E-04		PD
6985.4	.905E-05		CA	7124.0	1.000E-04		BR
6987.4	.484E-05		OS	7126.5	.678E-05		MO
6987.8	.109E-02		CU	7140.6	.969E-05		CA
6988.0	.848E-05		FE	7143.3	.254E-04		FE
6991.3	.508E-05		MO	7151.0	.308E-05		RB
6997.9	.164E-02		RH	7159.9	.883E-02		MN
6998.6	.663E-03		K	7160.5	.640E-05		MG
7002.7	.151E-04		BR	7160.8	.998E-05		SR
7002.7	.477E-03		GA	7162.1	.181E-04		PD
7004.5	.508E-03		CL	7162.7	.822E-02		V
7005.1	.966E-05		B	7164.1	.506E-04		AS
7011.3	.111E-04		ZN	7166.2	.186E-04		MO
7015.8	.475E-05		SN	7167.5	.526E-05		NB
7018.4	.366E-04		GE	7168.0	.266E-03		TI
7019.5	.872E-03		AS	7171.5	.156E-03		BR
7025.4	.789E-05		BA	7173.2	.103E-04		CA



ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
7174.5	.110E-04		BA	7291.5	.144E-02		V
7176.1	.874E-05		RB	7297.7	.876E-04		W
7176.1	.850E-03		CU	7299.5	.385E-03		N
7177.4	.762E-04		RU	7299.8	.226E-04		PD
7179.2	.166E-04		P	7300.7	.454E-04		BR
7179.7	.154E-02		SE	7302.0	.678E-05		MO
7180.3	.874E-05		MG	7304.1	.499E-05		MG
7186.1	.345E-04		NB	7306.2	.271E-02		CU
7188.6	.102E-03		ZN	7306.2	.225E-04		P
7193.3	.508E-05		MO	7306.3	.289E-04		RU
7193.8	.181E-04		PD	7306.3	.426E-04		CA
7197.9	.113E-04		FE	7306.8	.720E-05		RB
7199.3	.246E-03		SI	7308.1	.182E-04		SR
7203.9	.122E-04		RU	7310.5	.252E-02		V
7208.8	.338E-03		SE	7331.0	.675E-03		SC
7211.3	.814E-04		YB	7331.6	.162E-03		TE
7211.6	.514E-05		RB	7341.6	.302E-04		BR
7213.0	.175E 00		SM	7345.8	.164E-04		RB
7213.9	.905E-05		CA	7366.2	.242E-02		CR
7214.1	.177E-01		CO	7367.7	.476E-03		PB
7218.5	.271E-04		PD	7384.9	.108E-04		SR
7219.9	.108E-04		SR	7391.4	.113E-04		FE
7221.4	.793E-04		GE	7410.9	.306E-03		W
7230.0	.131E-03		BR	7411.5	.385E-03		SC
7232.5	.135E-02		SC	7411.7	.320E-04		RU
7232.9	.169E-03		PT	7413.6	.551E-04		N
7234.2	.242E-04		OS	7413.8	.481E-01		CL
7235.5	.108E-04		SR	7415.0	.847E-05		MO
7241.3	.832E-04		AS	7415.3	.120E-03		GE
7243.5	.175E-01		MN	7415.3	.159E-04		RB
7245.4	.508E-05		MO	7418.7	.240E-02		SE
7246.7	.375E-04		LI	7420.7	.328E-03		BR
7249.0	.226E-04		PD	7421.2	.216E-03		P
7251.9	.124E-02		CU	7430.9	.113E-04		FE
7252.4	.983E-05		MG	7437.6	.675E-03		SC
7253.3	.194E-04		CA	7438.5	.257E-05		RB
7259.8	.264E-03		GE	7438.7	.802E-04		NI
7261.5	.308E-05		RB	7441.4	.226E-04		PD
7263.3	.508E-05		MO	7450.3	.475E-05		SN
7268.9	.201E-02		AG	7473.6	.122E-04		GE
7270.6	.449E-02		MN	7475.8	.113E-02		CL
7271.4	.137E-04		TE	7475.9	.543E-04		PD
7277.5	.144E-04		SI	7476.5	.349E-04		SR
7277.6	.583E-04		CU	7488.7	.122E-02		SC
7278.2	.462E-05		RB	7491.1	.113E-01		CO
7278.4	.305E-05		ZR	7492.3	.244E-03		SE
7278.9	.130E-02		FE	7498.0	.914E-05		SR
7279.8	.508E-05		MO	7500.6	.671E-04		GE
7281.7	.790E-03		CL	7506.2	.533E-04		RU
7283.2	.221E-03		AS	7511.2	.605E-04		BR

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
7517.1	.113E-04		FE	7790.5	.226E-04		PD
7527.1	.132E-03		MO	7790.9	.206E-04		TE
7527.7	.386E-03		SR	7792.6	.194E-04		OS
7528.7	.113E-04		FE	7800.0	.270E-03		S
7536.1	.233E-02		NI	7818.9	.427E-02		NI
7544.2	.617E-05		RB	7832.1	.310E-01		CD
7550.7	.396E-04		FE	7834.4	.194E-04		OS
				7856.2	.406E-04		P
7561.9	.226E-04		PD	7862.9	.118E-02		ZN
7562.4	.564E-03		CL	7889.5	.289E-03		SC
7565.6	.533E-04		PT	7893.1	.201E-04		BR
7568.2	.198E-04		FE	7914.5	.103E-01		CU
7568.9	.289E-03		SC	7920.9	.126E-03		PT
7569.9	.718E-05		MG	7924.8	.707E-03		SC
7571.3	.518E-03		CU	7938.1	.111E-04		P
7575.8	.585E-03		BR	7939.3	.410E-02		CR
7599.8	.624E-05		MG	7990.5	.145E-04		OS
7605.2	.484E-05		OS	8001.2	.725E-04		PD
7609.9	.201E-04		BR	8006.1	.708E-04		NI
7610.2	.289E-04		RU	8009.6	.911E-04		TI
7624.1	.987E-04		RB	8017.6	.679E-04		YB
7628.5	.386E-04		GE	8030.0	.112E-03		GE
7630.1	.453E-04		PD	8033.5	.385E-03		SC
7631.6	.768E-02		FE	8039.0	.998E-04		SR
7635.9	.829E-02		SC	8069.2	.708E-04		NI
7636.6	.528E-02		CU	8091.6	.108E-04		RB
7645.6	.626E-02		FE	8097.2	.114E-03		TE
7654.6	.543E-04		YB	8112.8	.167E-04		RU
7672.5	.360E-05		RB	8116.0	.141E-04		FE
7673.0	.115E-02		SC	8116.2	.482E-03		SC
7676.9	.531E-05		MG	8120.5	.164E-02		NI
7677.7	.698E-01		CD	8132.4	.620E-02		SC
7691.0	.289E-03		SC	8154.4	.621E-04		MG
7694.0	.219E-03		AL	8165.7	.666E-03		SE
7694.6	.213E-04		RU	8174.7	.286E-01		SC
7696.8	.642E-03		NI	8262.4	.760E-04		TI
7700.5	.830E-05		ZR	8290.4	.115E-04		BA
7722.4	.207E-04		PT	8308.7	.194E-03		N
7723.8	.106E-02		AL	8309.8	.213E-04		RU
7734.0	.769E-03		SE	8313.5	.841E-04		ZN
7734.7	.523E-01		CD	8315.4	.549E-02		SC
7755.3	.470E-03		CU	8330.1	.661E-04		NI
7766.0	.729E-04		CU	8331.0	.724E-04		PD
7769.0	.146E-02		K	8343.6	.802E-04		NI
7788.6	.140E-04		P	8369.8	.198E-04		FE
7790.0	.374E-01		CL	8373.9	.915E-04		MO
7790.1	.526E-05		BA	8378.4	.119E-03		SR
7790.1	.198E-04		RU	8446.6	.167E-04		RU
7790.3	.360E-05		RB	8470.1	.196E-02		SC
7790.4	.543E-04		YB	8471.5	.793E-04		SI

ENERGY KEV	PHOTONS		ELEMENT NAME	ENERGY KEV	PHOTONS		ELEMENT NAME
	GM	N/CM2			GM	N/CM2	
8482.4	.756E-01		CD	8855.6	.849E-04		NI
8484.3	.146E-02		CR	8884.1	.867E-02		CR
8498.8	.772E-04		GE	8886.0	.181E-03		FE
8500.9	.357E-03		SE	8998.8	.197E-01		NI
8512.3	.198E-02		CR	9043.4	.523E-01		CD
8531.6	.147E-01		SC	9108.8	.210E-04		BA
8533.4	.884E-02		NI	9118.0	.124E-03		ZN
8578.7	.130E-01		CL	9134.8	.244E-04		RU
8615.7	.514E-03		SC	9151.4	.813E-04		N
8634.2	.916E-05		ZR	9188.0	.995E-03		SE
8640.9	.183E-03		S	9282.3	.983E-05		MG
8650.9	.123E-04		RB	9298.4	.109E-02		FE
8732.0	.102E-03		GE	9326.1	.110E-04		SN
8759.7	.266E-02		SC	9720.3	.353E-02		CR
8790.7	.661E-04		NI	9882.9	.132E-02		SE
8807.2	.755E-04		NI	10046.0	.283E-04		FE
8817.4	.801E-04		TE	10496.9	.188E-03		SE
8820.6	.661E-04		NI	10827.7	.481E-03		N