ENRGY	NUCLIDE	%	T1/2	E2	%	E3	%	ORIGIN
14.4	CO–57	9.5	271D	122.1	85.6	136.5	10.6	ACTIV
26.4	AM–241	2.6	433Y	59.5	36.3	17LX	38.2	PU–241
30	BA–140	14	12.8D	162.6	5.6	304.8	3.4	FALLOUT
39.6	I–129	7.5						
39.9	BI–212	1.1	LONG	727.2	7	1620.8	1.8	TH–232
40.6	MO–99	1.3	66.OH	18.3X	3.7	140.5	5.7	FALLOUT
46.5	PB–210	4	LONG					
49.7	TE–132	14.4	78.2H	30KX	69.9	11.8	1.9	FALLOUT
53.2	BA–133	2.2	10.5Y	81	33.4	31KX	96.9	FALLOUT
60	EU–155	1.1	4.96Y	86.5	30.8	105.3	20.5	FALLOUT
59.5	AM–241	36.3	433Y	26.4	2.6	17LX	38.2	PU–241
61.5	NP–239	1	2.36D	14.3LX	56	101KX	39	FALLOUT
63.3	TH–234	3.9	LONG	92.6D	5.6			U–238
66.9	CS–136	12.5	13.0D	34KX	16.7	86.3	6.3	FISSION
74.8x	PB–214	5.3	LONG	77.1x	10.7	87.3x	4.8	U–238
74.8x	PB–212	10.7	LONG	77.1x	18	87.3x	8	TH–232
75.0x	TL–208	1.3	LONG	72.8x	0.8	84.9x	0.6	TH–232
77.1x	PB–214	10.7	LONG	74.8x	6.3	87.3x	4.8	U–238
77.1x	PB–212	18	LONG	74.8x	10.7	87.3x	8	TH–232
79.6	BA–133	2.4	10.5Y	79.6	2.4	53.2	2.2	FALLOUT
80.1	CE–144	1.6	284D	133.5	11.1	696.5	1.3	FALLOUT
80.1	I–131	2.6	8.04D	364.5	81.2	284.3	6.1	FISSION
84.4x	TH–228	1.2	LONG	12.3x	9.6			TH–232
86.3	CS–136	5.3	13.0D	65.9	12.5	153.2	7.5	FISSION
86.5	EU–155	30.8	4.96Y	105.3	20.5	60	1.1	FALLOUT
87.3x	PB–214	4.8	LONG	77.1x	10.7	241.9	7.3	U–238
87.3x	PB–212	8	LONG	238.6	45	77.1x	18	TH–232
88	CD–109	3.7	453D	23KX	102			
90.0x	AC–228	2.1	LONG	93.4x	3.5	99.6	1.3	TH–232
91.1	ND–147	27.9	11.1D	38.5x	36.1	319.4	2	FALLOUT
92.6D	TH–234	5.6	LONG	63.3	3.5			
93.4x	AC–228	3.5	LONG	90.0x	2.1	99.6	1.3	TH–232
99.6	AC–228	1.3	LONG	129.1	2.5	209.5	4.1	TH–232
105.0x	AC–228	1.6	LONG	99.5	1.3	129.1	2.5	TH–232
105.3	EU–155	20.5	4.96Y	86.5	30.8	60	1.1	FALLOUT
106.1	NP–239	22.7	2.36D	61.5	1	117KX	11.3	FALLOUT
109.3	U–235	1.4	71E7Y	95KX	9.1	143.8	10.5	NATURAL
111.8	TE–132	1.9	78.2H	49.7	14.4	116.3	1.9	FALLOUT
116.3	TE–132	1.9	78.2H	111.8	1.9	228.2	83.2	FALLOUT
121.8	EU–152	28.4	13.5Y	344.3	26.6	244.7	7.5	FALLOUT
122.1	CO–57	85.6	271D	136.5	10.6	14.4	9.5	ACTIV
123.1	EU–154	4035	8.6Y	248	6.6	591.7	4.8	FALLOUT
127.2	RH–101	88	3Y	197.9	75	326	11	FALLOUT
129.1	AC–228	2.5	LONG	99.6	1.3	209.5	4.1	TH–232

133.5	CE–144	11.1	284D	695.5	1.3	80.1	1.6	FALLOUT
136.5	CO–57	10.6	271D	122.1	85.6	14.4	9.5	ACTIV
138.1	CS–138	1.5	32.2M	2278	1.5	462.8	30.7	XE–138
140.5	MO–99	5.7	66.0H	40.6	1.3	181.1	6.5	FALLOUT
140.5	TC–99M	88.9	6.02H	18.3x	6.2	20.6x	1.2	MO–99
143.8	U–235	10.5	71E7Y	109.3	1.4	163.4	4.8	NATURAL
145.4	CE–141	48	32.5D	37KX	17			FISSION
151.2	KR–85M	75.5	4.48H	304.9	14			FISSION
153.2	CS–136	7.5	13.0D	86.3	6.3	163.9	4.6	FISSION
153.8	XE–138	5	14.2M	242.5	3.5	258.3	31.5	FISSION
162.6	BA–140	5.6	12.8D	304.8	3.4	30	14	FALLOUT
163.4	H–235	4.8	71E7Y	143.8	10.5	185.7	54	NATURAL
163.9	CS–136	4.6	13.0D	153.2	7.5	176.6	13.6	FISSION
165.9	CC–139	80	138D	34KX	83.4			ACTIV
166	KR–88	3.1	2.84H	196.3	26	362.2	2.2	FISSION
176.3	SB–125	6.9	2.77Y	427.4	30	380.5	1.5	FALLOUT
176.6	CS–136	13.6	13.0D	163.9	4.6	272.7	12.7	FISSION
181.1	PO–99	6.5	66.0H	140.5	5.7	366.4	1.4	FALLOUT
185.7	U–235	54	71E7Y	143.8	10.5	205.3	4.7	NATURAL
186	RA–226	3.6	1602Y					NATURAL
192.3	FE–59	3	45.1D	1099.2	56.1	1291.6	43.6	ACTIV
196.3	KR–83	26	2.84H	362.2	2.2	166	3.1	FISSION
197.9	RH–101	75	3.0Y	127.2	88	326	11	FALLOUT
205.3	U–235	4.7	71E7Y	185.7	54	143.8	10.5	NATURAL
209.5	AC–228	4.1	LONG	129.1	2.5	270.2	3.8	TH–232
227.8	CS–138	1.5	32.2M	138.1	1.5	409	4.7	XE–138
228.2	NP–239	10.7	2.36D	106.1	22.7	277.6	14.1	FALLOUT
228.2	TE–132	88.2	78.2H	116.3	1.9	111.8	1.9	FALLOUT
233.2	XE–133M	10.3	2.19D	30KX	56.3			FISSION
238.6	PB–212	45	LONG	300.6	3.4			TH–232
241.0	RA–224	4.0	LONG					TH–232
241.9	PB–214	7.3	LONG	295.2	18.7	352.0	36.6	U–238
242.6	XC–138	3.5	14.2M	153.8	6.0	258.3	31.5	FISSION
244.7	EU–152	7.5	13.5Y	121.8	28.4	344.3	26.6	FALLOUT
248.0	EU–154	6.6	8.6Y	123.8	28.4	344.3	26.6	FALLOUT
249.8	XE–135	89.9	9.08H	608.2	2.9	31KX	5.1	FISSION
258.3	XE–138	31.5	14.2M	242.6	3.5	396.4	6.3	FISSION
262.7	I–132	1.4	2.30H	505.9	5	522.7	16.1	TE–132
270.2	AC–228	3.8	LONG	209.5	4.1	328.0	3.3	TH–232
273.7	CS–136	12.7	13.OD	176.6	13.6	340.6	46.8	FISSION
276.4	BA–133	7.3	10.5Y	302.9	18.7	81.0	33.4	FALLOUT
277.2	TL–208	2.4	LONG	510.7	9	583.1	30.0	TH–232
277.6	NP–239	14.1	2.36D	228.2	10.7	315.9	1.6	FALLOUT
279.2	HG–203	81.5	46.6D	74.6X	12.8			FALLOUT
284.3	I–131	6.1	8.04D	364.5	81.2	80.2	2.6	FISSION
295.2	PB–214	18.7	LONG	352.0	36.6	241.9	7.3	U–238
300.6	PB–212	3.4	LONG	238.6	45.0			TH–232
302.9	BA–133	18.7	10.5Y	276.4	7.3	356.0	62.4	FALLOUT

304.8	BA−140	3.4	12.8	162.6	5.6	423.8	2.5	FALLOUT
304.9	KR−85M	14.0	4.48H	151.2	75.5			FISSION
315.9	NP−239	1.6	2.36D	277.6	14.1	334.2	2	FALLOUT
319.4	ND−147	2.0	11.1D	439.9	1.2	91.1	27.9	FALLOUT
320.1	CR−51	9.9	27.7D					ACTIV
326.0	RH−101	11.0	3.0Y	127.2	88.0	197.9	75.0	FALLOUT
328.0	AC−228	3.3	LONG	270.2	3.8	338.5	12.3	TH−232
328.8	LA−140	20.0	40.2	432.6	2.9	487.1	46.7	FALLOUT
334.2	NP−239	2.0	2.36D	315.9	1.6	61.5	1.0	FALLOUT
338.5	AC−228	12.3	LONG	328.0	3.3	409.5	2.1	TH−232
340.6	CS−136	46.8	13.0D	273.7	12.7	818.5	100	FISSION
344.3	EU−152	26.6	13.5Y	244.7	7.5	411.1	2.2	FALLOUT
352.0	PB−214	36.6	LONG	241.9	7.3	295.2	18.7	U−238
356.0	BA−133	62.4	10.5Y	302.9	18.7	383.9	8.9	FALLOUT
362.2	KR−88	2.2	2.84H	196.3	26.0	834.8	13.0	FISSION
364.5	I−131	81.2	8.04D	537.0	7.3	284.3	6.1	FISSION
366.4	MO−99	1.4	66.0H	181.1	6.5	739.5	13.0	FALLOUT
380.5	SB−125	1.5	2.77Y	176.3	6.9	427.9	30.0	FALLOUT
383.9	BA−133	8.9	10.5Y	356.0	62.4	302.9	18.7	FALLOUT
396.4	XE−138	6.3	14.2M	258.3	31.5	401.4	2.2	FISSION
401.4	XE−138	2.2	14.2M	434.5	20.3	396.4	6.3	FISSION
402.6	KR−67	49.5	76.3M	845.4	7.3	673.9	1.9	FISSION
409.0	CS−138	4.7	32.2M	227.8	1.5	462.8	30.7	XE−138
409.5	AC−228	2.1	LONG	338.5	12.3	463.0	4.7	TH−232
411.1	EU−152	2.2	13.5Y	344.3	26.6	444.00	3.1	FALLOUT
415.3	RH−102M	2.1	2.89Y	418.5	9.4	420.4	3.2	FALLOUT
418.5	RH−102M	9.4	2.89Y	415.3	2.1	420.4	3.2	FALLOUT
420.4	RH−102M	3.2	2.89Y	418.5	9.4	475.1	95.0	FALLOUT
423.8	BA−140	2.5	12.8D	437.6	1.5	304.8	3.4	FALLOUT
427.9	SB−125	30.0	2.77Y	380.5	1.5	463.4	10.6	FALLOUT
432.6	LA−140	2.9	40.2H	487.1	46.7	329.8	20.0	FALLOUT
434.5	XE−138	20.3	14.2M	401.4	2.2	1114.3	1.5	FISSION
437.6	BA−140	1.5	12.8D	537.3	20.0	423.B	2.5	FALLOUT
439.9	ND−147	1.2	11.1D	319.4	2.0	531.0	13.1	FALLOUT
444.0D	EU−152	3.1	13.5Y	411.1	2.2	775.0	13.0	FALLOUT
446.8	AG−110M	3.7	251D	657.7	94.7	620.3	2.8	ACTIV
462.8	CS−138	30.7	32.2M	546.9	10.8	409.0	4.7	XF−138
463.0	AC−228	4.7	LONG	409.5	2.1	755.1	1.1	TH−232
463.4	SB−125	10.6	2.77Y	427.9	30.0	600.6	18.1	FALLOUT
468.6	RH−102	2.9	206D	475.0	46.0	556.6	2.0	FALLOUT
475.0	RH−102	46.0	206D	4S3.5	2.9	556.6	2.0	FALLOUT
475.1	RH−102M	95.0	2.89Y	628.1	8.3	420.4	3.2	FALLOUT
475.4	CS−134	1.5	2.06Y	563.2	8.4	569.3	15.4	FISSION
477.6	BE−7	10.3	53.2D					COSMIC
487.1	LA−140	46.7	40.2H	751.9	4.3	432.6	2.9	FALLOUT
497.1	RU−103	86.4	39.4D	610.3	5.3			FALLOUT
505.9	I−132	5.0	2.30H	262.7	1.4	522.7	16.1	TE−132
510.7	TL−208	9.0	LONG	277.2	2.4	583.1	30.0	TH−232

511.0*	ZN–65	2.9	244D	1115.8	50.8			ACTIV
511.0*	CO–58	30.0	70.8D	810.8	99.5			ACTIV
511.0*	NA–22	180.8	2.50Y	1274.5	99.9			COSMIC
511.8	RU–106	20.5	358D	1050.1	1.5	621.8	9.8	FALLOUT
514.0	SR–85	98.0	64.9D	13.4X	50.1	15KX	8.7	ACTIV
522.7	I–132	16.1	2.30H	505.9	5.0	547.1	1.3	TE–132
526.6	XE–135M	81.2	15.3M	30KX	13.5			FISSION
531.0	ND–147	13.1	11.1D	439.9	1.2	319.4	2.0	FALLOUT
537.3	BA–140	20.0	12.8D	437.6	1.5	423.8	2.5	FALLOUT
546.9	CS–138	10.B	32.2M	462.8	30.7	871.8	5.1	XC–138
547.1	1–132	1.3	2.30M	522.7	16.1	621.2	1.6	TE–132
556.6	RH–102	2.0	206D	475.0	46.0	626.1	4.5	FALLOUT
563.2	CS–134	8.4	2.06Y	475.4	1.5	569.3	15.4	FISSION
569.3	CS–134	15.4	2.06Y	563.2	8.4	604.7	97.8	FISSION
569.7	BI–207	97.8	38Y	1063.6	74.0	1770.2	7.3	FALLOUT
583.1	TL–208	30.0	LONG	510.7	9.0	860.1	4.7	TH–232
591.7	EU–154	4.8	8.6Y	248.0	6.6	692.4	1.7	FALLOUT
600.6	SB–125	18.1	2.77Y	463.4	10.6	606.7	5.0	FALLOUT
602.7	SB–124	97.9	60.2D	645.8	7.2	709.3	1.4	FALLOUT
604.7	CS–134	97.8	2.06Y	795.8	85.4	569.3	15.4	FISSION
606.7	SB–125	5.0	2.77Y	600.6	18.1	635.9	11.5	FALLOUT
608.2	XE–135	2.9	9.08H	249.8	89.9	31KX	5.1	FISSION
609.4	BI–214	45.0	LONG	665.6	1.6	768.4	5.0	U–238
610.3	RU–103	5.3	39.4D	497.1	86.4			FALLOUT
620.3	AG–110M	2.8	251D	657.7	94.7	446.8	3.7	ACTIV
621.2	I–132	1.6	2–30H	547.1	1.3	630.2	13.7	TE–132
621.8	RU–106	9.8	368D	511.8	20.5	1050.1	1.5	FALLOUT
626.1	RH–102	4.5	206D	556.6	2.D	1103.2	2.9	FALLOUT
628.1	RH–102M	8.3	2.89Y	475.1	95.0	631.3	56.0	FALLOUT
630.2	1–132	13.7	2.30H	621.2	1.6	650.6	2.7	TE–132
631.3	RH–102M	56.0	2.89Y	628.1	8.3	692.4	1.6	FALLOUT
635.9	SB–125	11.5	2.77Y	606.7	5.0	671.4	1.8	FALLOUT
637.0	I–131	7.3	8.04D	364.5	81.2	722.9	1.8	FISSION
645.8	SB–124	7.2	60.2D	602.7	97.9	709.3	1.4	FALLOUT
650.6	I–132	2.7	2.30H	630.2	13.7	667.7	98.7	TE–132
657.7	AG–110M	94.7	251D	620.3	2.8	677.6	10.6	ACTIV
661.6	CS–137	85.2	30.2Y	33KX	7.1			FALLOUT
665.6	BI–214	1.6	LONG	609.4	45.0	768.4	5.0	U–238
667.7	I–132	98.7	2.30H	650.5	2.7	669.8	4.9	TE–132
669.8	I–132	4.9	2.30H	667.7	93.7	671.6	5.2	TE–132
671.4	SB–125	1.8	2.77Y	635.9	11.5	606.7	5.0	FALLOUT
671.6	I–132	5.2	2.30H	669.8	4.9	72.70	5.4	TE–132
673.9	KR–87	1.9	76.3M	845.5	7.3	402.6	49.5	FISSION
677.6	AG–110M	10.6	251D	657.7	94.7	687.0	6.5	ACTIV
687.0	AG–110M	6.5	251D	677.6	10.6	706.7	16.4	ACTIV
692.4	RH–102M	1.6	2.89Y	631.3	56.0	695.6	2.9	FALLOUT
692.4	EU–154	1.7	8.6Y	591.7	4.8	723.3	19.7	FALLOUT
695.6	RH–102M	2.9	2.89Y	692.4	1.6	697.5	44.0	FALLOUT

696.5	CE–144	1.3	284D	133.5	11.1	80.1	1.6	FALLOUT
697.5	RH–102M	44.0	2.89Y	766.8	34.0	695.6	2.9	FALLOUT
706.7	AG–110M	16.4	251D	687.0	6.5	744.3	4.7	ACTIV
709.3	SB–124	1.4	60.2D	645.8	7.2	713.8	2.4	FALLOUT
713.8	SB–124	2.4	60.2D	709.3	1.4	722.8	11.3	FALLOUT
722.8	SB–124	11.3	60.2D	713.8	2.4	968.3	1.8	FALLOUT
722.9	I–131	1.8	8.04D	364.5	81.2	637.0	7.3	FISSION
723.3	EU–154	19.7	8.6Y	692.4	1.7	756.9	4.3	FALLOUT
724.2	ZR–95	43.0	65.0D	755.7	54.6			FALLOUT
727D		5.4	2.30Y	671.6	5.2	729.5	1.1	TE–132
727.2	BI–212	7.0	LONG	39.9	1.1	1620.8	1.8	TH–232
729.5	I–132	1.1	2.30H	727D	5.4	772.6	76.2	TE–132
739.5	MO–99	13.0	66.0H	366.4	1.4	777.9	4.6	FALLOUT
744.3	AG–110M	4.7	251D	706.7	16.4	763.9	22.4	ACTIV
751.9	LA–140	4.3	40.2H	487.1	46.7	815.7	22.8	FALLOUT
755.1	AC–228	1.1	LONG	463.0	4.7	771.9	1.7	TH–232
756.7	ZR–95	54.6	65.0D	724.2	43.0			FALLOUT
756.9	EU–154	4.3	8.6Y	723.3	19.7	873.2	11.5	FALLOUT
763.3	TL–208	0.7	LONG	583.1	30.0	860.1	4.7	TH–232
763.9	AG–110M	22.4	251D	744.3	4.7	818.0	7.3	ACTIV
765.8	NB–95	99.8	35.1D					FALLOUT
766.8	RH–102M	34.0	2.89Y	697.5	44.0	1046.6	34.0	FALLOUT
768.4	BI–214	5.0	LONG	665.6	1.6	786.0D	1.1	U–238
771.9	AC–228	1.7	LONG	755.1	1.1	794.9	4.9	TH–232
772.6	I–132	76.2	2.30H	729.5	1.1	780.2	1.2	TE–132
777.9	MO–99	4.6	66.0H	739.5	13.0	366.4	1.4	FALLOUT
778.9	EU–152	13.0	13.5Y	444.0D	3.1	867.4	4.2	FALLOUT
780.2	I–132	1.2	2.30H	772.6	76.2	809.8	2.9	TE–132
785.4	BI–212	1.3	LONG	727.2	7.0	1620.6	1.8	TH–232
786.0D	BI–214	1.1	LONG	768.4	5.0	806.2	1.2	U–238
794.9	AC–228	4.9	LONG	771.9	1.7	833.0D	2.8	TH–232
795.8	CS–134	85.4	2.06Y	604.7	97.8	801.9	8.7	FISSION
801.9	CS–134	8.7	2.06Y	795.8	85.4	1038.6	1.0	FISSION
806.2	BI–214	1.2	LONG	786.0D	1.1	934.1	3.2	U–238
809.8	I–132	2.9	2.30H	780.2	1.2	812.2	5.6	TE–132
810.8	CO–58	99.5	70.8D	511.0	30.0			ACTIV
812.2	I–132	5.6	2.30H	809.8	2.9	876.8	1.1	TE–132
815.7	LA–140	22.8	40.2H	751.9	4.3	867.9	5.5	FALLOUT
818.0	AG–110M	7.3	251D	763.9	22.4	884.7	73.0	ACTIV
818.5	CS–136	100.0	13.0D	340.6	46.8	1048.1	79.7	FISSION
833.0D	AC–228	2.8	LONG	794.9	4.9	840.3	1.0	TH–232
834.8	KR–88	13.0	2.84H	362.2	2.2	988.0D	1.5	FISSION
834.8	MN–54	100.0	312.5D					FALLOUT
840.2	AC–228	1.0	LONG	833.0D	2.8	904.1	1.0	TH–232
845.5	KR–87	7.3	76.3M	673.9	1.9	1175.4	1.1	FISSION
860.1	TL–208	4.7	LONG	2614.7	36.0	583.1	30.0	TH–232
867.4	EU–152	4.2	13.5Y	778.9	13.0	964.0	14.6	FALLOUT
867.9	LA–140	5.5	40.2H	815.7	22.8	919.7	2.7	FALLOUT

871.8	CS−138	5.1	32.2M	546.9	10.8	1009.8	29.8	XE−138
873.2	EU−154	11.5	8.6Y	756.9	4.3	996.3	10.3	FALLOUT
876.8	I−132	1.1	2.30H	812.2	5.6	954.6	18.1	TE−132
884.7	AG−110M	73.0	251D	818.0	7.3	937.5	34.4	ACTIV
898.0	Y−88	93.4	107D	1836.0	99.4			ACTIV
898.0	RB−88	14.4	17.8M	1836.0	21.9	2677.9	2.0	KR−88
904.1	AC−228	1.0	LONG		1.0		29.0	TH−232
911.1	AC−228	29.0	LONG		23.0	840.7	1.0	TH−232
919.7	LA−140	2.7	40,2H	867.9	5.5	925.7	7.1	FALLOUT
925.2	LA−140	7.1	40,2H	1055.3	1.1	919.7	0.1	FALLOUT
934.1	BI−214	3.2	LONG	1120.4	15.2	806.7	1.2	U−238
937.5	AG−110M	34.4	251D	1304.3	24.7	884.7	73.0	ACTIV
954.6	I−132	18.1	2,30h	876.8	1.1	1136	3.0	TE−132
964.0	EU−152	14.6	13,5Y	1085.8	10.2	867.4	4.2	FALLOUT
964.6	AC−228	5.5	LONG	968.8	17.5	911.1	29.0	TH−232
968.3	SB−124	1.8	50,2D	1045.2	1.8	722.8	11.3	FALLOUT
968.9	AC−228	17.5	LONG	911.1	29.0	1459.2	1.2	TH−232
968.9	AC−228	17.5	LONG	911.1	29.0	1459.2	1.2	TH−232
988,0D	KR−89	1.5	2,84H	1141.3	1.3	834.8	13.0	FISSION
1001.0	PA−234M	0.6	LONG	765.4	0.2	742.8	0.1	U−238
1004.8	EU−154	17.4	8,6Y	1274.5	35.5	996.3	10.3	FALLOUT
1009.8	CS−138	29.8	32,2M	1147.2	1.2	871.8	5.1	XE−138
1038.6	CS−134	1.0	2,06Y	1167.9	1.8	801.9	8.7	FISSION
1045.2	SB−124	1.3	60,2B	1325.5	1.4	968.3	1.8	FALLOUT
1046.6	RH−102M	34.0	2,89Y	1103.2	4.6	766.8	34.0	FALLOUT
1048.1	CS−136	79.7	13,0D	818.5	100.0	1235.3	19.8	FISSION
1050.1	RU−106	1.5	368D	511.8	20.5	621.8	9.8	FALLOUT
1063.6	BI−207	74.0	38Y	569.7	97.8	1770.2	7.3	FALLOUT
1085.3	LA−140	1.1	40,2H	1596.4	96.0	925.2	7.1	FALLOUT
1085.8	EU−152	10.2	13,5Y	1112.1	13.6	964	14.6	FALLOUT
1099.2	FE−59	55.1	45,1D	1291.6	43.6	192.2	3.0	FALLOUT
1103.2	RH−102	2.9	206D	556.6	2.0	626.1	4.5	FALLOUT
1103.2	RH−102M	4.6	2,89Y	1046.6	34.0	1112.8	19.0	FALLOUT
1112.1	EU−152	13.6	13,5Y	1085.8	10.2	1212.8	1.4	FALLOUT
1112.6	RH−102M	19.0	2,89Y	1046.6	34.0	1103.2	4.6	FALLOUT
1114.3	XE−138	1.5	14,2M	1768.3	16.7	434.5	20.3	FISSION
1115.8	ZN−65	50.8	244D	511,0*	2.9			ACTIV
1120.4	BI−214	15.2	LONG	1155.3	1.9	934.1	3.2	U−238
1136.0	I−132	3.0	2,30H	954.6	18.1	1143.4	1.4	TE−132
1141.3	KR−88	1.3	2,84H	1369.5	1.5	988,0D	1.5	FISSION
1143.4	I−132	1.4	2,30H	1136.0	3.0	1173.2	1.1	TE−132
1147.2	CS−138	1.2	32,2M	109.8	29.8	1343.6	1.1	XE−138
1155.3	BI−214	1.9	LONG	1238.2	5.9	1120.4	15.2	U−238
1167.9	CS−134	1.8	2,06Y	1038.6	1.0	1365.2	3.0	FISSION
1173.2	CO−60	99.9	5,26Y	1332.5	100.0			ACTIV
1175.4	KR−87	1.1	76,3M	1740.5	2.1	845.5	7.3	FISSION
1212.8	EU−152	1.4	13,5Y	1112.1	13.6	1299	1.6	FALLOUT
1235.3	CS−136	19.8	13,0D	818.5	100.0	1048.1	79.7	FISSION

1238.2	BI–214	5.9	LONG	1155.3	1.9	1281.1	1.6	U–238
1274.5	NA–22	99.9	2,50Y	511,0*	181.0			COSMIC
1274.5	EU–154	35.5	8,6Y	1004.8	17.4	1596.5	1.7	FALLOUT
1281.1	BI–214	1.6	LONG	1238.2	5.9	1377.8	4.8	U–238
1290.7	I–232	1.1	2,30H	1173.2	1.1	1295.3	2.0	TE–132
1291.6	FE–59	43.6	45,1D	1099.2	56.1	192.3	3.0	ACTIV
1293.6	AR–41	99.2	1,83H					ACTIV
1295.3	I–232	2.0	2,30H	1290.7	1.1	1372.1	2.5	TE–132
1299.0	EU–152	1.6	13,5Y	1212.8	1.4	1408.1	20.9	FALLOUT
1325.5	SB–124	1.4	60,2D	1045.2	1.8	1368.2	2.4	FALLOUT
1332.5	CO–60	100.0	5,26Y	1173.2	99.9			ACTIV
1343.6	CS–138	1.1	32,2M	1147.2	1.1	1435.9	76.3	XE–138
1365.2	CS–134	3.0	2,06Y	1167.9	1.8	1038.6	1.0	FISSION
1368.2	SB–124	2.4	60,2D	1325.5	1.4	1436.7	1.0	FALLOUT
1368.5	NA–24	100.0	15,0H	2754.1	99.9			ACTIV
1369.5	KR–88	1.5	2,84H	1141.3	1.3	1518.4	2.2	FISSION
1372.1	I–232	2.5	2,30H	1295.3	2.0	1398.6	7.1	TE–132
1377.8	BI–214	4.8	LONG	1281.1	1.6	1401.7	1.5	U–238
1384.3	AG–110M	24.7	251D	1475.8	4.0	937.5	34.4	ACTIV
1398.6	I–232	7.1	2,30H	1372.1	2.5	1442.6	1.4	TE–132
1401.7	BI–214	1.5	LONG	1377.8	4.8	1408.0	2.5	U–238
1408.0	BI–214	2.5	LONG	1401.7	1.5	1509.5	2.2	U–238
1408.1	EU–152	20.0	13.5Y	1299.0	1.6	1212.8	1.4	FALLOUT
1435.9	CS–138	75.3	32.2M	1343.6	1.1	2215.0	15.2	XE–138
1436.7	SB–124	1.0	60.2D	1368.2	2.4	1691.0	48.8	FALLOUT
1442.6	I–132	1.4	2.30H	1398.6	7.1	1921.1	1.2	TE–132
1459.2	AC–228	1.2	LONG	1499.00	2.1	968.9	17.5	TH–232
1460.8	K–40	10.7	1,359					NATURAL
1475.8	AG–110M	4.0	251D	1384.3	24.7	1505.0	13.3	ACTIV
1499.00	AC–228	2.1	LONG	1459.2	1.2	1588.1	4.6	TH–232
1505.0	AG–110M	13.3	251D	1475.8	4.0	1552.3	1.2	ACTIV
1509.5	BI–214	2.2	LONG	1408.0	2.5	1661.5	1.2	U–238
1518.4	KR–88	2.2	2.84H	1369.5	1.5	1589.8	10.9	FISSION
1529.8	KR–88	10.9	2.84H	1513.4	2.2	2029.8	4.5	FISSION
1588.1	AC–228	4.6	LONG	1499.0D	2.1	1631.0T	3.4	TH–232
1596.4	LA–140	96.0	40.2H	1085.3	1.1	2521.8	3.4	FALLOUT
1596.5	EU–154	1.7	8.6Y	1274.5	35.5	1004.8	17.4	FALLOUT
1620.6	BI–212	1.8	LONG	727.2	7.0	785.4	1.3	TH–232
1631.0T	AC–228	3.4	LONG	1588.1	4.6	1499.0D	2.1	TH–232
1661.5	BI–214	1.2	LONG	1509.5	2.2	1729.9	2.9	U–238
1691.0	SB–124	48.8	50.2D	2091.0	5.6	1436.7	1	FALLOUT
1729.9	BI–214	2.9	LONG	1764.7	15.4	1661.5	1.2	U–238
1740.5	KR–87	2.1	76.3M	1175.4	1.1	2011.9	2.9	FISSION
1764.7	BI–214	15.4	LONG	1729.9	2.9	1847.7	2.2	U–238
1768.3	XE–138	16.7	14.2M	1114.3	1.5	1850.9	1.4	FISSION
1770.2	BI–207	7.3	38Y	1063.6	74.0	596.7	97.8	FALLOUT
1836.0	KR–88	21.9	17.8M	2677.9	2.0	898.0	14.4	KR–88
1836.0	Y–88	99.4	107D	898.0	93.4			OTHER

1847.7	BI–214	2.2	LONG	1764.7	15.4	2118.9	1.2	U–238
1850.9	XE–138	1.4	14.2M	1763.3	16.7	2004.8	5.4	FISSION
1921.1	I–132	1.2	2.30H	1442.6	1.4	2002.3	1.1	TE–132
2002.3	I–132	1.1	2.30H	1921.1	1.2	1442.6	1.4	TE–132
2004.8	XE–138	5.4	14.2M	1850.9	1.4	2015.8	12.3	FISSION
2011.9	KR–87	2.9	76.3M	1740.5	2.1	2556.0D	13.2	FISSION
2015.8	XE–138	12.3	14.2M	2004.8	5.4	2079.2	1.4	FISSION
2029.8	KR–88	4.5	2.84H	1529.8	10.9	2035.4	3.7	FISSION
2035.4	KR–88	3.7	2.84H	2029.8	4.5	2195.8	13.2	FISSION
2079.2	XE–138	1.4	14.2M	2015.8	12.3	2252.3	2.3	FISSION
2091.0	SB–124	5.6	60.2D	1436.7	1.0	1691.0	48.8	FALLOUT
2118.9	BI–214	1.2	LONG	1847.7	2.2	2204.5	4.9	U–238
2195.8	KR–88	13.2	2.84M	2035.4	3.7	2231.8	3.4	FISSION
2204.5	BI–214	4.9	LONG	2448.0	1.6	2118.9	1.2	U–238
2218.0	CS–138	15.2	32.2M	1435.9	76.3	2639.6	7.6	XE–138
2231.8	KR–88	3.4	2.84H	2195.7	13.2	2392.1	34.6	FISSION
2252.3	XE–138	2.3	14.2M	2079.2	1.4	2015.8	12.3	FISSION
2392.1	KR–88	34.6	2.84H	2231.8	3.4	2195.6	13.2	FISSION
2448.0	BI–214	1.6	LONG	2204.5	4.9	2118.9	1.2	U–238
2521.8	LA–140	3.4	40.2H	1596.4	96.0	1085.3	1.1	FALLOUT
2556D	KR–87	13.2	76.3M	2011.9	2.9	1740.5	2.1	FISSION
2614.7	TL–208	36.0	LONG	860.1	4.7	583.1	30.0	TH–232
2639.6	CS–138	7.6	32.2M	2218.0	15.2	1435.9	76.3	XE–138
2677.9	RB–88	2.0	17.8M	1835.0	21.9	895.0	14.4	KR–88
2754.1	NA–24	99.9	15.0H	1363.5	100.0			ACTIV
6129.4	N–16	69.0	7,145	7117.0	5.0			OTHER
7117.0	N–16	5.0	7,145	6129.4	69.0			OTHER