

radiation decay at Protection Factor 16

hour	strength	rads	PF16	rads	PF16	rads	PF16	rads	PF16
1	1	1000	62.5	500	31.3	200	12.5	100	6.25
2	1/2	435	27.2	218	13.6	87	5.44	43.5	2.72
3	1/4	267	16.7	134	8.34	53.4	3.34	26.7	1.67
4	1/8	189	11.8	94.5	5.91	37.8	2.36	18.9	1.18
5		145	9.06	72.5	4.53	29	1.81	14.5	0.91
6		116	7.25	58	3.63	23.2	1.45	11.6	0.73
7	1/10	100	6.25	50	3.13	20	1.25	10	0.63
8		82	5.13	41	2.56	16.4	1.03	8.2	0.51
9		71	4.44	35.5	2.22	14.2	0.89	7.1	0.44
10		63	3.94	31.5	1.97	12.6	0.79	6.3	0.39
11		56	3.5	28	1.75	11.2	0.7	5.6	0.35
12	1/20	50	3.13	25	1.56	10	0.63	5	0.31
13		46	2.88	23	1.44	9.2	0.58	4.6	0.29
14		43	2.69	21.5	1.34	8.6	0.54	4.3	0.27
15		38	2.38	19	1.19	7.6	0.48	3.8	0.24
16		35	2.19	17.5	1.09	7	0.44	3.5	0.22
17		33	2.06	16.5	1.03	6.6	0.41	3.3	0.21
18		31	1.94	15.5	0.97	6.2	0.39	3.1	0.19
19		29	1.81	14.5	0.91	5.8	0.36	2.9	0.18
20		27	1.69	13.5	0.84	5.4	0.34	2.7	0.17
21		26	1.63	13	0.81	5.2	0.33	2.6	0.16
22		24	1.5	12	0.75	4.8	0.3	2.4	0.15
23		23	1.44	11.5	0.72	4.6	0.29	2.3	0.14
24		22	1.38	11	0.69	4.4	0.28	2.2	0.14
49	1/100	10	0.63	5	0.31	2	0.13	1	0.1
343	1/1000	1	0.1	0.5	0	0.2	0	0.1	0
504	1/2000	.5	0	0.25	0	0.1	0	0.1	0
2401	1/10000	.1	0	0.1	0	0	0	0	0
total 343 hour dosage			150		75		30		15

approximate:

343 hours = 14 days = 2 weeks

504 hours = 21 days = 3 weeks

2401 hours = 100 days = 14 weeks

PF	lead	conc.	earth
1	0	0	0
2	.12	3	4
4	.25	6	8
8	.37	9	12
16	.5	12	16
32	.62	15	20
64	.75	18	24
128	.87	21	28
256	1	24	32
512	1.12	27	36