

radiation decay at PF4

hour	strength	rads	PF4	rads	PF4	rads	PF4	rads	PF4
1	1	1000	250	500	125	200	50	100	25
2	1/2	435	109	218	54.4	87	21.8	43.5	10.9
3	1/4	267	66.8	134	33.4	53.4	13.4	26.7	6.68
4	1/8	189	47.3	94.5	23.6	37.8	9.45	18.9	4.73
5		145	36.3	72.5	18.1	29	7.25	14.5	3.63
6		116	29	58	14.5	23.2	5.8	11.6	2.9
7	1/10	100	25	50	12.5	20	5	10	2.5
8		82	20.5	41	10.3	16.4	4.1	8.2	2.05
9		71	17.8	35.5	8.88	14.2	3.55	7.1	1.78
10		63	15.8	31.5	7.88	12.6	3.15	6.3	1.58
11		56	14	28	7	11.2	2.8	5.6	1.4
12	1/20	50	12.5	25	6.25	10	2.5	5	1.25
13		46	11.5	23	5.75	9.2	2.3	4.6	1.15
14		43	10.8	21.5	5.38	8.6	2.15	4.3	1.08
15		38	9.5	19	4.75	7.6	1.9	3.8	0.95
16		35	8.75	17.5	4.38	7	1.75	3.5	0.88
17		33	8.25	16.5	4.13	6.6	1.65	3.3	0.83
18		31	7.75	15.5	3.88	6.2	1.55	3.1	0.78
19		29	7.25	14.5	3.63	5.8	1.45	2.9	0.73
20		27	6.75	13.5	3.38	5.4	1.35	2.7	0.68
21		26	6.5	13	3.25	5.2	1.3	2.6	0.65
22		24	6	12	3	4.8	1.2	2.4	0.6
23		23	5.75	11.5	2.88	4.6	1.15	2.3	0.58
24		22	5.5	11	2.75	4.4	1.1	2.2	0.55
49	1/100	10	2.5	5	1.25	2	0.5	1	0.25
343	1/1000	1	0.25	0.5	0.13	0.2	0.1	0.1	0
504	1/2000	.5	0.13	0.25	0.1	0.1	0	0.1	0
2401	1/10000	.1	0	0.1	0	0	0	0	0
total 343 hour dosage			600		300		120		60

approximate:

343 hours = 14 days = 2 weeks

504 hours = 21 days = 3 weeks

2401 hours = 100 days = 14 weeks

death

500 rads is a lethal dose

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