1/31/00 CDRS

GW peak dose; No correlations

Same seed as pg. 140 No Correlations; Unsorted

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	Input file tpa.inp as supplied with TPA Version 3.2 Code.					Seed Number	188910452																			
2	Base case data set Rev 3.2 35992																									
3	TPA 3.2, Job started: Fri Dec 11 0.67037037037037 1998																									
4	Groundwater Total Peak Dose and Peak Time with Doses																									
5	for Each Nuclide at Peak Time - Values for Each Vector																									
6	250 vectors; 50,000 years																									
7	probability	vector	pktime	pktede	Cm246de	U238de	Cm245de	Am241de	Np237de	Am243de	Pu239de	Pu240de	U234de	Th230de	Ra226de	Pb210de	Cs135de	I129de	Tc99de	Ni59de	C14de	Se79de	Nb94de	Cl36de	timedwpk	dmkh20
8	n/250	unitless	yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	yr	rem/yr
9	1.0000	1	3.27E+04	3.70E-04	4.57E-06	9.42E-15	1.86E-04	3.64E-12	1.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	4.93E-05	5.16E-06	0.00E+00	1.55E-05	0.00E+00	2.56E-06	3.07E+04	1.76E-04
10	0.9960	2	5.00E+04	1.44E-03	3.77E-08	4.80E-16	4.55E-06	9.33E-13	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	1.64E-05	9.80E-09	0.00E+00	1.28E-06	0.00E+00	1.35E-07	5.00E+04	8.45E-04
11	0.9920	3	5.00E+04	1.16E-02	2.19E-07	2.76E-15	2.63E-05	1.28E-14	1.14E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.08E-05	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-07	5.00E+04	6.80E-03
12	0.9880	4	5.00E+04	3.13E-04	2.43E-08	3.64E-15	2.91E-06	3.72E-13	2.98E-04	0.00E+00	0.00E+00	0.00E+00	9.19E-15	8.78E-18	7.38E-19	4.34E-18	0.00E+00	7.62E-06	3.77E-06	1.07E-08	0.00E+00	1.08E-06	0.00E+00	8.57E-08	5.00E+04	1.82E-04
13	0.9840	5	1.96E+04	9.14E-04	3.62E-05	8.99E-16	6.36E-04	1.26E-11	1.35E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	4.44E-05	1.35E-08	0.00E+00	5.34E-05	0.00E+00	4.99E-06	1.92E+04	4.78E-04
14	0.9800	6	2.79E+04	1.37E-03	3.88E-05	5.14E-08	1.17E-03	1.68E-11	1.89E-08	0.00E+00	0.00E+00	0.00E+00	2.34E-07	3.69E-14	3.64E-12	7.52E-12	0.00E+00	1.28E-04	2.20E-06	1.88E-05	0.00E+00	0.00E+00	0.00E+00	1.06E-05	2.71E+04	7.59E-04
15	0.9760	7	5.00E+04	7.70E-03	1.99E-07	3.85E-17	2.35E-05	4.47E-13	7.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-05	7.90E-05	2.44E-06	0.00E+00	8.91E-06	0.00E+00	6.92E-07	5.00E+04	4.52E-03
16	0.9720	8	2.88E+04	3.60E-04	7.92E-06	5.97E-15	2.51E-04	9.66E-13	2.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-05	1.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-06	2.79E+04	1.85E-04
17	0.9680	9	5.00E+04	8.55E-03	1.22E-07	7.96E-15	1.45E-05	8.58E-13	8.49E-03	0.00E+00	0.00E+00	0.00E+00	8.63E-16	2.74E-18	2.61E-19	1.70E-18	0.00E+00	3.72E-05	9.06E-09	0.00E+00	0.00E+00	2.32E-06	0.00E+00	4.45E-07	5.00E+04	5.04E-03
18	0.9640	10	2.41E+04	1.72E-03	3.69E-05	1.55E-14	8.71E-04	4.92E-12	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04	3.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-05	2.41E+04	8.10E-04
19	0.9600	11	2.41E+04	5.67E-04	1.44E-05	3.63E-14	3.38E-04	4.58E-13	3.25E-09	0.00E+00	0.00E+00	0.00E+00	4.24E-13	1.67E-19	1.83E-17	6.21E-17	0.00E+00	1.73E-04	1.31E-05	3.25E-08	0.00E+00	2.53E-05	0.00E+00	3.74E-06	2.41E+04	2.66E-04
20	0.9560	12	3.07E+04	6.77E-04	7.95E-06	5.47E-15	2.84E-04	2.22E-12	1.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	1.66E-04	0.00E+00	0.00E+00	4.01E-06	0.00E+00	3.99E-06	3.07E+04	3.05E-04
21	0.9520	13	2.55E+04	2.36E-04	4.93E-06	9.06E-16	1.26E-04	3.02E-12	3.72E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-05	5.36E-05	0.00E+00	0.00E+00	1.32E-05	0.00E+00	1.32E-06	2.41E+04	1.20E-04
22	0.9480	14	4.31E+04	8.00E-05	4.64E-07	1.93E-13	3.74E-05	8.27E-14	1.06E-09	0.00E+00	0.00E+00	0.00E+00	1.99E-12	2.51E-14	1.19E-15	2.54E-15	0.00E+00	3.97E-05	7.10E-08	1.69E-06	0.00E+00	0.00E+00	0.00E+00	6.80E-07	4.02E+04	3.41E-05
23	0.9440	15	2.71E+04	1.97E-04	3.27E-06	9.79E-09	9.35E-05	2.40E-13	1.58E-09	0.00E+00	0.00E+00	0.00E+00	4.87E-08	1.84E-12	6.91E-13	3.12E-12	0.00E+00	6.96E-05	2.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-06	2.71E+04	8.82E-05
24	0.9400	16	2.28E+04	8.08E-05	2.46E-06	6.21E-11	5.33E-05	1.71E-13	4.21E-10	0.00E+00	0.00E+00	0.00E+00	3.55E-10	1.58E-14	1.90E-14	5.50E-14	0.00E+00	2.09E-05	9.53E-08	0.00E+00	0.00E+00	3.59E-06	0.00E+00	4.33E-07	2.28E+04	3.95E-05
25	0.9360	17	3.88E+04	3.66E-04	1.63E-06	2.77E-16	9.85E-05	7.08E-13	3.17E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	1.07E-04	0.00E+00	0.00E+00	1.90E-08	0.00E+00	3.04E-06	3.88E+04	1.49E-04
26	0.9320	18	2.28E+04	4.49E-04	1.28E-05	3.73E-11	2.75E-04	2.75E-12	8.67E-09	0.00E+00	0.00E+00	0.00E+00	8.55E-10	5.10E-15	8.06E-15	6.36E-14	0.00E+00	1.52E-04	2.38E-06	3.86E-06	0.00E+00	0.00E+00	0.00E+00	3.41E-06	2.28E+04	2.09E-04
27	0.9280	19	3.50E+04	2.68E-04	3.53E-06	2.12E-15	1.68E-04	6.22E-14	7.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-05	1.26E-05	1.47E-08	0.00E+00	2.35E-05	0.00E+00	2.66E-06	3.27E+04	1.37E-04
28	0.9240	20	2.22E+04	2.99E-05	9.99E-07	6.06E-17	2.08E-05	1.53E-13	6.86E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-06	8.89E-12	0.00E+00	0.00E+00	1.16E-06	0.00E+00	1.65E-07	2.22E+04	1.50E-05
29	0.9200	21	2.11E+04	1.66E-03	6.77E-05	1.02E-15	1.31E-03	1.06E-11	2.49E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	5.96E-05	1.39E-05	0.00E+00	0.00E+00	0.00E+00	9.66E-06	2.06E+04	9.13E-04
30	0.9160	22	2.79E+04	5.92E-04	1.00E-05	2.12E-15	3.02E-04	3.37E-14	5.52E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	4.32E-09	0.00E+00	0.00E+00	1.66E-05	0.00E+00	5.55E-06	2.79E+04	2.52E-04
31	0.9120	23	5.00E+04	8.43E-05	5.12E-08	2.55E-18	6.18E-06	9.41E-14	4.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-10	1.05E-12	2.57E-12	0.00E+00	3.48E-05	6.80E-07	3.29E-09	0.00E+00	1.02E-07	0.00E+00	8.27E-07	5.00E+04	3.67E-05
32	0.9080	24	3.27E+04	5.73E-04	4.86E-06	2.43E-14	1.98E-04	5.59E-12	6.46E-09	0.00E+00	0.00E+00	0.00E+00	7.69E-13	1.01E-15	4.04E-17	1.57E-16	0.00E+00	1.61E-04	1.64E-04	0.00E+00	0.00E+00	4.07E-05	0.00E+00	4.24E-06	3.17E+04	2.55E-04
33	0.9040	25	5.00E+04	8.10E-05	3.67E-09	6.19E-18	4.40E-07	7.33E-17	7.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-06	1.56E-06	0.00E+00	0.00E+00	1.27E-07	0.00E+00	1.31E-08	5.00E+04	4.73E-05
34	0.9000	26	5.00E+04	2.91E-03	1.69E-07	1.78E-15	2.03E-05	2.60E-14	2.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-05	6.32E-05	8.14E-11	0.00E+00	0.00E+00	0.00E+00	6.12E-07	5.00E+04	1.69E-03
35	0.8960	27	1.96E+04	5.99E-04	2.29E-05	5.77E-15	4.01E-04	1.91E-13	2.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	8.25E-14	3.30E-06	0.00E+00	0.00E+00	0.00E+00	4.06E-06	1.92E+04	2.93E-04
36	0.8920	28	3.07E+04	2.27E-04	2.65E-06	1.73E-15	9.50E-05	5.46E-13	3.71E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-05	3.81E-05	2.27E-12	0.00E+00	0.00E+00	0.00E+00	1.81E-06	3.17E+04	9.79E-05
37	0.8880	29	5.00E+04	2.41E-05	4.40E-08	1.91E-09	5.29E-06	2.38E-15	5.59E-10	0.00E+00	0.00E+00	0.00E+00	1.31E-08	2.56E-12	1.43E-12	5.59E-12	0.00E+00	1.06E-05	5.54E-06	5.42E-07	0.00E+00	1.86E-06	0.00E+00	1.56E-07	3.50E+04	1.12E-05
38	0.8840	30	2.71E+04	4.20E-04	8.03E-06	3.13E-16	2.29E-04	2.74E-12	1.92E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	2.60E-05	1.13E-09	0.00E+00	1.99E-05	0.00E+00	2.97E-06	2.63E+04	1.93E-04
39	0.8800	31	2.55E+04	7.04E-05	1.54E-06	2.73E-11	4.00E-05	2.51E-11	2.98E-10	0.00E+00	0.00E+00	0.00E+00	2.32E-10	1.91E-14	6.06E-15	9.51E-15	0.00E+00	2.79E-05	9.10E-09	3.86E-07	0.00E+00	3.52E-09	0.00E+00	6.15E-07	2.55E+04	3.13E-05
40	0.8760	32	4.82E+04	5.88E-04	9.83E-07	1.65E-14	1.09E-04	7.96E-12	3.86E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-14	5.50E-20	2.12E-18	8.17E-18	0.00E+00	2.32E-04	2.10E-04	0.00E+00	0.00E+00	3.37E-05	0.00E+00	3.03E-06	4.16E+04	2.38E-04
41	0.8720	33	5.00E+04	1.18E-03	3.04E-07	2.83E-15	3.62E-05	2.34E-12	9.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-05	1.37E-04	0.00E+00	0.00E+00	1.32E-05	0.00E+00	1.06E-06	5.00E+04	6.49E-04
42	0.8680	34	1.92E+04	4.76E-04	2.05E-05	1.87E-16	3.50E-04	6.30E-13	2.98E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	2.72E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-06	1.92E+04	2.45E-04
43	0.8640	35	2.63E+04	4.59E-04	1.17E-05	7.75E-15	3.17E-04	4.30E-12	7.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	4.39E-15	9.99E-18	0.00E+00	0.00E+00	0.00E+00	4.10E-06	2.55E+04	2.28E-04
44	0.8600	36	3.50E+04	9.12E-05	1.50E-06	3.47E-17	7.09E-05	9.14E-13	1.15E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05	2.84E-11	6.42E-07	0.00E+00	1.11E-10	0.00E+00	2.02E-06	3.38E+04	4.77E-05
45	0.8560	37	2.06E+04	7.74E-04	2.40E-05	5.03E-15	4.49E-04	8.10E-14	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	1.41E-04	1.84E-09	0.00E+00	0.00E+00	0.00E+00	4.23E-06	2.06E+04	3.87E-04
46	0.8520	38	3.62E+04	7.19E-04	4.17E-06	1.47E-15	2.13E-04	1.84E-11	3.93E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-04	2.65E-04	2.30E-06	0.00E+00	2.91E-06	0.00E+00	5.15E-06	3.62E+04	3.12E-04
47	0.8480	39	3.27E+04	3.78E-04	4.25E-06	1.73E-16	1.74E-04	9.90E-15	5.78E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	1.53E-09	0.00E+00	0.00E+00	3.57E-05	0.00E+00	4.80E-06	3.27E+04	1.56E-04
48	0.8440	40	3.38E+04	2.31E-04	1.99E-06	1.24E-16	8.83E-05	1.38E-11	1.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	8.81E-07	0.00E+00	0.00E+00	6.76E-26	0.00E+00	3.25E-06	3.38E+04	8.58E-05
49	0.8400	41	2.97E+04	7.20E-04	1.20E-05	7.16E-11	4.02E-04	1.06E-10	1.22E-08	0.00E+00	0.00E+00	0.00E+00	5.59E-10	4.24E-13	1.17E-14	8.83E-14	0.00E+00	2.84E-04	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.84E-06	2.88E+04	3.22E-04
50	0.8360	42	5.00E+04	3.39E-03	2.09E-07	1.02E-14	2.50E-05	6.23E-13	3.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-05	2.99E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-07	5.00E+04	1.98E-03
51	0.8320	43	2.22E+04	5.20E-04	1.83E-05	1.02E-15	3.81E-04	5.04E-13	1.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	3.26E-08	0.00E+00	0.00E+00	1.34E-05	0.00E+00	2.56E-06	2.22E+04	2.68E-04
52	0.8280	44	3.17E+04	7.44E-07	8.09E-09	1.26E-17	3.09E-07	3.09E-16	2.75E-12	0.00E+00	0.00E+00	0.00E+00	1.60E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-07	1.12E-07	5.90E-13	0.00E+00	4.80E-08	0.00E+00	5.34E-09	3.07E+04	3.22E-07
53	0.8240	45	3.07E+04	1.01E-04	2.02E-06	2.56E-16	7.31E-05	3.95E-12	1.27E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-05	5.16E-07	0.00E+00	0.00E+00	2.75E-09	0.00E+00	1.52E-06	3.07E+04	5.08E-05
54	0.8200	46	5.00E+04	2.59E-03	5.64E-07	3.44E-14	6.73E-05	1.71E-12	2.31E-03	0.00E+00	0.00E+00	0.00E+00	2.43E-13	1.41E-16	7.84E-18	5.35E-17	0.00E+00	2.08E-04	1.82E-08	0.00E+00	0.00E+00	3.55E-06	0.00E+00	2.11E-06	5.00E+04	1.45E-03
55	0.8160	47	2.79E+04	2.67E-03	8.10E-07	5.80E-16	2.42E-05	1.04E-14	2.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05	1.47E-05	2.53E-07	0.00E+00	0.00E+00	0.00E+00	2.13E-07	2.79E+04	1.57E-03
56	0.8120	48	5.00E+04	8.63E-03	2.34E-07	4.44E-15	2.80E-05	4.61E-13	8.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-08	4.76E-11	4.01E-10	0.00E+00	7.22E-05	1.04E-04	0.00E+00	0.00E+00	5.80E-06	0.00E+00	8.23E-07	5.00E+04	5.06E-03
57	0.8080	49	3.27E+04	2.50E-04	2.40E-06	2.39E-17	9.86E-05	8.56E-14	5.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-05	9.55E-05	0.00E+00	0.00E+00	1.04E-05	0.00E+00	1.98E-06	3.17E+04	1.20E-04
58	0.8040	50	1.75E+04	5.78E-06	2.56E-07	2.08E-17	3.95E-06	1.29E-13	7.16E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-07	8.12E-07	0.00E+00	0.00E+00	4.98E-15	0.00E+00	1.20E-08	1.75E+04	3.08E-06
59	0.8000	51	5.00E+04	3.09E-04	6.23E-07	1.24E-10	7.48E-05	1.73E-13	1.03E-08	0.00E+00	0.00E+00	0.00E+00	1.30E-09	5.74E-14	6.89E-14	3.19E-13	0.00E+00	1.61E-04	6.98E-05	0.00E+00	0.00E+00	4.99E-09	0.00E+00	2.51E-06	4.31E+04	1.19E-04
60	0.7960	52	3.62E+04	3.25E-04	3.95E-06	2.66E-16	2.01E-04	4.64E-12	7.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	8.67E-08	0.00E+00	0.00E+00	5.88E-06	0.00E+00	3.84E-06	3.38E+04	1.59E-04
61	0.7920	53	2.06E+04	3.76E-04	1.16E-05	2.43E-16	2.18E-04	8.14E-13	2.16E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	1.98E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-06	2.17E+04	1.77E-04
62	0.7880	54	3.50E+04	8.43E-05	6.85E-07	1.16E-15	3.25E-05	5.26E-14	4.06E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-05	2.01E-05	0.00E+00	0.00E+00	1.15E-08	0.00E+00	6.67E-07	3.17E+04	3.79E-05
63	0.7840	55	5.00E+04	3.65E-03	7.65E-07	3.55E-15	9.14E-05	1.33E-11	3.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	1.96E-04	0.00E+00	0.00E+00	1.11E-18	0.00E+00	2.74E-06	5.00E+04	2.06E-03
64	0.7800	56	2.71E+04	6.42E-04	1.36E-05	2.39E-11	3.86E-04	2.42E-12	1.13E-08	0.00E+00	0.00E+00	0.00E+00	6.10E-10	4.00E-16	1.05E-14	2.16E-14	0.00E+00	2.32E-04	2.78E-06	0.00E+00	0.00E+00	1.33E-06	0.00E+00	5.70E-06	2.71E+04	2.94E-04
65	0.7760	57	5.00E+04	5.56E-03	1.93E-07	1.79E-14	2.31E-05	8.76E-13	5.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-05	2.62E-05	1.31E-06	0.00E+00	1.14E-05	0.00E+00	6.82E-07	5.00E+04	3.26E-03
66	0.7720	58	5.00E+04	2.20E-04	2.29E-07	2.58E-16	2.76E-05	1.83E-14	3.70E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-05	9.42E-05	0.00E+00	0.00E+00	3.16E-11	0.00E+00	4.51E-06	5.00E+04	8.42E-05
67	0.7680	59	2.41E+04	1.82E-04	5.01E-06	3.01E-16	1.17E-04	1.45E-13	5.36E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-05	5.51E-09	8.51E-07	0.00E+00	3.16E-06	0.00E+00	1.54E-06	2.35E+04	8.77E-05
68	0.7640	60	5.00E+04	1.64E-02	4.77E-07	2.31E-14	5.72E-05	1.09E-13	1.60E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-04	1.98E-04	0.00E+00	0.00E+00	2.08E-05	0.00E+00	1.69E-06	5.00E+04	9.65E-03
69	0.7600	61	2.63E+04	6.31E-04	1.43E-05	1.88E-14	3.89E-04	1.10E-11	3.41E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-05	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-06	2.55E+04	3.30E-04
70	0.7560	62	5.00E+04	3.76E-03	1.95E-07	8.48E-15	2.31E-05	4.47E-14	3.54E-03	0.00E+00	0.00E+00	0.00E+00	3.77E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-05	1.08E-04	0.00E+00	0.00E+00	9.62E-06	0.00E+00	7.53E-07	5.00E+04	2.18E-03
71	0.7520	63	2.79E+04	4.09E-04	6.80E-06	2.40E-15	2.06E-04	3.39E-12	3.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-04	3.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-06	2.88E+04	1.82E-04
72	0.7480	64	2.48E+04	5.77E-04	1.95E-05	9.90E-15	4.77E-04	2.70E-13	5.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-05	4.57E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-06	2.41E+04	3.15E-04
73	0.7440	65	3.75E+04	5.55E-04	4.44E-06	4.87E-15	2.47E-04	3.83E-12	5.70E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	2.76E-06	0.00E+00	0.00E+00	4.37E-05	0.00E+00	7.05E-06	3.62E+04	2.29E-04
74	0.7400	66	3.50E+04	7.52E-04	8.59E-06	2.75E-16	4.05E-04	9.54E-14	3.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	2.18E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-06	3.38E+04	3.29E-04
75	0.7360	67	2.01E+04	9.86E-04	3.54E-05	2.43E-15	6.41E-04	1.83E-11	1.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-05	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-06	1.96E+04	5.34E-04
76	0.7320	68	4.47E+04	9.28E-05	1.79E-07	4.54E-16	1.60E-05	3.02E-14	4.94E-07	0.00E+00	0.00E+00	0.00E+00	9.51E-18	4.90E-21	1.52E-21	0.00E+00	0.00E+00	5.25E-05	2.24E-05	8.01E-12	0.00E+00	0.00E+00	0.00E+00	1.19E-06	4.64E+04	3.40E-05
77	0.7280	69	2.41E+04	2.15E-03	6.73E-05	7.26E-15	1.58E-03	3.35E-12	8.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	9.34E-05	0.00E+00	0.00E+00	9.85E-05	0.00E+00	1.26E-05	2.41E+04	1.13E-03
78	0.7240	70	2.63E+04	6.54E-04	1.31E-05	3.41E-16	3.57E-04	8.77E-14	5.63E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	4.33E-05	1.23E-06	0.00E+00	0.00E+00	0.00E+00	5.40E-06	2.63E+04	2.96E-04
79	0.7200	71	3.38E+04	3.45E-04	3.64E-06	3.42E-15	1.60E-04	8.47E-13	5.89E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	6.99E-07	1.76E-12	0.00E+00	0.00E+00	0.00E+00	4.58E-06	3.38E+04	1.39E-04
80	0.7160	72	3.50E+04	7.49E-04	6.46E-06	6.82E-16	3.07E-04	8.43E-12	2.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-04	2.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-06	3.50E+04	2.92E-04
81	0.7120	73	2.11E+04	6.52E-04	2.40E-05	7.31E-15	4.65E-04	3.30E-14	3.29E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	3.57E-12	5.97E-10	0.00E+00	2.99E-11	0.00E+00	4.67E-06	2.11E+04	3.29E-04
82	0.7080	74	2.35E+04	1.17E-05	2.83E-07	1.08E-16	6.36E-06	4.93E-14	1.87E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.13E-06	8.42E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-07	2.41E+04	5.35E-06
83	0.7040	75	3.88E+04	4.57E-04	2.29E-06	3.00E-16	1.38E-04	1.19E-13	1.73E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-07	1.61E-09	2.48E-09	0.00E+00	1.19E-04	1.81E-04	0.00E+00	0.00E+00	1.30E-05	0.00E+00	2.62E-06	3.75E+04	2.08E-04
84	0.7000	76	5.00E+04	1.05E-03	4.93E-07	2.17E-15	5.92E-05	1.02E-12	7.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	7.93E-05	0.00E+00	0.00E+00	1.94E-05	0.00E+00	1.77E-06	5.00E+04	5.60E-04
85	0.6960	77	4.02E+04	1.03E-04	4.95E-07	1.09E-15	3.26E-05	1.23E-13	1.17E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05	4.52E-05	3.10E-07	0.00E+00	6.45E-06	0.00E+00	5.69E-07	3.75E+04	4.90E-05
86	0.6920	78	2.41E+04	2.24E-04	5.30E-06	3.60E-17	1.25E-04	4.28E-11	8.23E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-05	1.68E-07	0.00E+00	0.00E+00	8.80E-06	0.00E+00	1.91E-06	2.41E+04	1.00E-04
87	0.6880	79	2.79E+04	4.76E-04	6.92E-06	1.84E-15	2.09E-04	1.08E-10	4.23E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	3.01E-05	0.00E+00	0.00E+00	4.27E-12	0.00E+00	5.32E-06	2.88E+04	1.97E-04

1/31/00
CDRS

GW peak dose; No correlations

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
88	0.6840	80	2.71E+04	1.83E-04	4.35E-06	2.87E-17	1.24E-04	9.80E-14	7.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-05	1.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-06	2.63E+04	8.97E-05
89	0.6800	81	2.63E+04	2.92E-05	7.52E-07	4.29E-16	2.02E-05	2.28E-12	2.92E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-06	2.63E-07	0.00E+00	0.00E+00	1.10E-08	0.00E+00	2.82E-07	2.63E+04	1.44E-05
90	0.6760	82	5.00E+04	4.28E-04	1.26E-07	6.81E-13	1.49E-05	1.38E-13	3.78E-04	0.00E+00	0.00E+00	0.00E+00	6.76E-12	1.34E-13	1.65E-15	7.98E-15	0.00E+00	3.32E-05	2.32E-08	7.70E-09	0.00E+00	1.26E-06	0.00E+00	4.39E-07	5.00E+04	2.40E-04
91	0.6720	83	2.63E+04	2.23E-04	6.05E-06	4.23E-14	1.64E-04	4.47E-13	3.93E-09	0.00E+00	0.00E+00	0.00E+00	8.37E-13	7.28E-17	3.85E-17	2.07E-16	0.00E+00	5.01E-05	4.38E-08	3.23E-07	0.00E+00	0.00E+00	0.00E+00	2.43E-06	2.55E+04	1.14E-04
92	0.6680	84	5.00E+04	1.62E-04	1.16E-08	9.67E-11	1.40E-06	1.67E-13	1.52E-04	0.00E+00	0.00E+00	0.00E+00	9.71E-10	1.35E-13	2.71E-13	7.30E-13	0.00E+00	3.26E-06	5.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-08	5.00E+04	9.39E-05
93	0.6640	85	2.55E+04	6.14E-04	1.19E-05	6.03E-07	3.06E-04	3.01E-12	3.18E-09	0.00E+00	0.00E+00	0.00E+00	2.39E-06	8.39E-12	2.57E-11	7.14E-11	0.00E+00	1.81E-04	1.07E-04	3.26E-12	0.00E+00	0.00E+00	0.00E+00	4.25E-06	2.48E+04	2.86E-04
94	0.6600	86	3.07E+04	7.47E-04	1.01E-05	1.05E-16	3.63E-04	2.28E-11	4.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	2.23E-09	8.97E-11	0.00E+00	7.21E-05	0.00E+00	9.19E-06	3.07E+04	3.17E-04
95	0.6560	87	5.00E+04	6.05E-03	3.03E-07	6.39E-15	3.61E-05	5.21E-12	5.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-06	5.00E+04	3.53E-03
96	0.6520	88	4.31E+04	1.57E-04	3.95E-07	1.29E-16	3.15E-05	1.54E-12	1.46E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.94E-05	6.26E-05	1.41E-06	0.00E+00	0.00E+00	0.00E+00	1.14E-06	4.31E+04	6.35E-05
97	0.6480	89	2.71E+04	4.97E-04	1.19E-05	8.78E-14	3.39E-04	1.38E-12	1.35E-08	0.00E+00	0.00E+00	0.00E+00	8.19E-13	4.96E-18	7.88E-19	2.49E-18	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	4.97E-15	0.00E+00	4.22E-06	2.71E+04	2.43E-04
98	0.6440	90	2.48E+04	5.28E-04	1.35E-05	2.29E-14	3.32E-04	6.49E-13	2.35E-09	0.00E+00	0.00E+00	0.00E+00	4.05E-14	6.52E-20	7.34E-19	5.91E-18	0.00E+00	1.75E-04	3.94E-09	0.00E+00	0.00E+00	2.24E-06	0.00E+00	5.09E-06	2.41E+04	2.50E-04
99	0.6400	91	3.07E+04	2.44E-04	3.87E-06	1.77E-16	1.40E-04	1.16E-12	1.22E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-24	0.00E+00	0.00E+00	0.00E+00	9.67E-05	4.99E-09	7.40E-07	0.00E+00	1.25E-17	0.00E+00	2.91E-06	3.07E+04	1.09E-04
100	0.6360	92	3.38E+04	3.98E-04	4.05E-06	1.20E-14	1.77E-04	1.70E-12	5.30E-09	0.00E+00	0.00E+00	0.00E+00	1.04E-19	4.63E-24	0.00E+00	0.00E+00	0.00E+00	1.58E-04	2.56E-05	0.00E+00	0.00E+00	2.99E-05	0.00E+00	3.81E-06	3.38E+04	1.68E-04
101	0.6320	93	2.79E+04	8.99E-04	1.83E-05	1.02E-15	5.51E-04	1.52E-10	2.94E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-04	1.70E-05	4.65E-08	0.00E+00	1.15E-05	0.00E+00	7.16E-06	2.79E+04	4.20E-04
102	0.6280	94	5.00E+04	8.48E-04	2.68E-07	9.82E-15	3.19E-05	5.66E-14	1.09E-08	0.00E+00	0.00E+00	0.00E+00	4.42E-22	5.74E-04	2.97E-07	8.99E-07	0.00E+00	1.09E-04	1.30E-04	6.33E-07	0.00E+00	0.00E+00	0.00E+00	1.01E-06	5.00E+04	4.56E-04
103	0.6240	95	2.71E+04	1.54E-03	2.51E-05	2.06E-14	7.13E-04	7.55E-12	2.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	3.18E-04	0.00E+00	0.00E+00	7.56E-05	0.00E+00	8.23E-06	2.71E+04	7.15E-04
104	0.6200	96	2.71E+04	1.60E-04	3.29E-06	4.73E-16	9.41E-05	3.88E-13	2.34E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-05	2.03E-07	3.10E-08	0.00E+00	0.00E+00	0.00E+00	1.71E-06	2.63E+04	7.23E-05
105	0.6160	97	2.22E+04	7.08E-04	2.03E-05	7.07E-15	4.21E-04	5.44E-13	1.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	1.63E-04	1.82E-09	0.00E+00	3.33E-10	0.00E+00	3.72E-06	2.11E+04	3.68E-04
106	0.6120	98	2.41E+04	1.85E-04	5.26E-06	7.43E-14	1.23E-04	1.54E-13	1.51E-08	0.00E+00	0.00E+00	0.00E+00	1.73E-12	7.32E-15	1.64E-16	1.21E-15	0.00E+00	5.20E-05	3.27E-11	6.18E-07	0.00E+00	2.65E-06	0.00E+00	1.45E-06	5.00E+04	9.35E-05
107	0.6080	99	2.97E+04	1.20E-03	1.59E-05	2.21E-15	5.37E-04	5.11E-12	2.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	2.70E-04	0.00E+00	0.00E+00	7.76E-09	0.00E+00	7.05E-06	2.97E+04	5.46E-04
108	0.6040	100	3.17E+04	3.77E-04	4.74E-06	1.78E-08	1.80E-04	2.26E-13	5.41E-10	0.00E+00	0.00E+00	0.00E+00	9.56E-08	2.19E-12	2.60E-12	4.82E-12	0.00E+00	8.27E-05	1.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-06	3.07E+04	1.84E-04
109	0.6000	101	3.38E+04	5.92E-05	5.15E-07	7.86E-17	2.27E-05	9.52E-14	1.23E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-05	9.83E-06	0.00E+00	0.00E+00	1.13E-08	0.00E+00	5.46E-07	3.38E+04	2.46E-05
110	0.5960	102	4.02E+04	6.73E-05	2.67E-07	2.49E-12	1.77E-05	4.84E-13	2.18E-06	0.00E+00	0.00E+00	0.00E+00	1.84E-11	5.82E-17	6.44E-15	4.67E-15	0.00E+00	1.66E-05	2.69E-05	1.02E-08	0.00E+00	3.34E-06	0.00E+00	2.56E-07	3.88E+04	3.04E-05
111	0.5920	103	4.16E+04	6.68E-05	2.31E-07	1.02E-08	1.68E-05	7.94E-15	1.23E-10	0.00E+00	0.00E+00	0.00E+00	5.51E-08	1.61E-12	1.59E-12	6.88E-12	0.00E+00	3.38E-05	1.46E-05	6.54E-07	0.00E+00	1.67E-12	0.00E+00	6.08E-07	4.16E+04	2.52E-05
112	0.5880	104	3.62E+04	2.40E-04	1.67E-06	6.10E-17	8.66E-05	2.86E-12	1.41E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	1.51E-07	3.42E-06	0.00E+00	0.00E+00	0.00E+00	3.09E-06	3.75E+04	8.74E-05
113	0.5840	105	5.00E+04	5.29E-03	6.65E-08	1.04E-15	7.89E-06	8.09E-13	5.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-05	3.28E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-07	5.00E+04	3.12E-03
114	0.5800	106	3.27E+04	1.62E-05	1.83E-07	2.82E-16	7.47E-06	8.77E-15	2.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-06	3.17E-06	1.19E-07	0.00E+00	0.00E+00	0.00E+00	1.15E-07	2.97E+04	7.70E-06
115	0.5760	107	2.41E+04	1.03E-04	3.27E-06	4.79E-16	7.67E-05	2.53E-11	7.39E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	3.33E-07	0.00E+00	0.00E+00	7.86E-06	0.00E+00	8.45E-07	2.41E+04	5.41E-05
116	0.5720	108	2.41E+04	2.50E-04	6.27E-06	1.08E-07	1.47E-04	8.80E-12	9.21E-10	0.00E+00	0.00E+00	0.00E+00	4.29E-07	5.65E-08	3.01E-11	1.99E-10	0.00E+00	9.28E-05	7.89E-07	1.00E-07	0.00E+00	2.94E-11	0.00E+00	2.10E-06	2.41E+04	1.14E-04
117	0.5680	109	4.31E+04	1.81E-02	6.27E-07	1.01E-14	5.03E-05	8.97E-12	1.79E-02	0.00E+00	0.00E+00	0.00E+00	3.23E-23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-05	1.20E-05	1.05E-06	0.00E+00	0.00E+00	0.00E+00	9.33E-07	4.31E+04	1.07E-02
118	0.5640	110	3.27E+04	3.77E-04	2.82E-06	1.36E-15	1.15E-04	1.93E-12	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	1.11E-04	0.00E+00	0.00E+00	1.62E-05	0.00E+00	2.88E-06	3.27E+04	1.60E-04
119	0.5600	111	2.11E+04	7.31E-04	3.23E-05	5.92E-16	6.26E-04	6.96E-13	3.82E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-05	1.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-06	2.06E+04	4.11E-04
120	0.5560	112	5.00E+04	6.74E-04	1.06E-07	7.42E-10	1.27E-05	1.64E-14	6.02E-04	0.00E+00	0.00E+00	0.00E+00	7.60E-09	9.30E-16	4.99E-13	8.60E-13	0.00E+00	3.23E-05	2.65E-05	4.82E-13	0.00E+00	2.22E-11	0.00E+00	3.92E-07	5.00E+04	3.84E-04
121	0.5520	113	5.00E+04	7.89E-05	1.10E-07	9.04E-17	1.34E-05	8.91E-15	2.44E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-05	3.52E-05	6.43E-17	0.00E+00	2.70E-06	0.00E+00	4.36E-07	5.00E+04	3.24E-05
122	0.5480	114	2.41E+04	5.66E-04	1.74E-05	4.05E-16	4.09E-04	1.99E-13	2.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	2.73E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-06	2.41E+04	2.87E-04
123	0.5440	115	3.27E+04	6.01E-04	1.13E-05	7.66E-15	4.66E-04	3.35E-12	3.21E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	6.25E-09	5.41E-07	0.00E+00	3.36E-06	0.00E+00	6.67E-06	3.07E+04	3.20E-04
124	0.5400	116	5.00E+04	4.13E-04	6.51E-08	1.21E-07	7.76E-06	1.27E-13	3.85E-04	0.00E+00	0.00E+00	0.00E+00	5.88E-07	1.87E-12	5.23E-11	5.99E-11	0.00E+00	1.56E-05	2.57E-06	7.46E-07	0.00E+00	2.56E-11	0.00E+00	2.29E-07	5.00E+04	2.38E-04
125	0.5360	117	2.41E+04	3.57E-04	8.50E-06	7.16E-16	2.00E-04	1.44E-11	8.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05	8.88E-05	0.00E+00	0.00E+00	1.44E-24	0.00E+00	2.52E-06	2.41E+04	1.81E-04
126	0.5320	118	3.27E+04	5.79E-05	6.43E-07	3.39E-17	2.63E-05	4.72E-12	2.83E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-05	1.83E-06	1.67E-07	0.00E+00	0.00E+00	0.00E+00	6.19E-07	3.27E+04	2.36E-05
127	0.5280	119	3.38E+04	1.79E-04	2.23E-06	1.48E-15	9.79E-05	2.38E-12	1.35E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-06	3.27E+04	7.79E-05
128	0.5240	120	5.00E+04	1.42E-03	8.59E-07	1.43E-15	1.03E-04	3.79E-12	9.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	9.72E-05	5.96E-07	0.00E+00	8.73E-07	0.00E+00	3.09E-06	5.00E+04	7.43E-04
129	0.5200	121	2.41E+04	7.44E-04	1.81E-05	3.12E-15	4.24E-04	1.75E-12	3.65E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-06	2.41E+04	3.32E-04
130	0.5160	122	3.75E+04	1.56E-04	9.22E-07	7.02E-17	5.17E-05	6.90E-14	6.32E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	1.19E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-06	3.75E+04	5.51E-05
131	0.5120	123	2.41E+04	8.47E-05	1.98E-06	5.28E-17	4.67E-05	7.30E-16	3.70E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-05	1.61E-05	0.00E+00	0.00E+00	2.15E-11	0.00E+00	4.61E-07	2.41E+04	4.14E-05
132	0.5080	124	4.47E+04	5.10E-04	8.83E-07	2.32E-16	7.90E-05	3.12E-12	1.43E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-06	5.00E+04	2.06E-04
133	0.5040	125	2.55E+04	3.45E-04	8.21E-06	8.48E-16	2.11E-04	4.05E-14	5.54E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	1.37E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-06	2.55E+04	1.59E-04
134	0.5000	126	3.07E+04	1.27E-03	1.97E-05	1.21E-13	7.09E-04	3.47E-12	1.38E-08	0.00E+00	0.00E+00	0.00E+00	1.53E-12	8.08E-18	1.00E-16	4.50E-16	0.00E+00	5.12E-04	1.89E-05	2.88E-07	0.00E+00	3.15E-07	0.00E+00	1.19E-05	2.97E+04	5.69E-04
135	0.4960	127	2.55E+04	2.93E-04	7.27E-06	5.99E-15	1.87E-04	8.63E-13	2.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-05	9.01E-11	1.76E-07	0.00E+00	0.00E+00	0.00E+00	2.01E-06	2.55E+04	1.38E-04
136	0.4920	128	5.00E+04	2.45E-05	4.83E-08	1.23E-15	5.88E-06	3.98E-14	1.68E-10	0.00E+00	0.00E+00	0.00E+00	1.47E-14	8.11E-20	5.45E-18	8.35E-18	0.00E+00	1.82E-05	1.67E-09	2.11E-09	0.00E+00	6.91E-08	0.00E+00	3.16E-07	5.00E+04	7.74E-06
137	0.4880	129	3.07E+04	5.20E-04	6.54E-06	5.49E-09	2.35E-04	1.87E-12	3.84E-10	0.00E+00	0.00E+00	0.00E+00	3.00E-08	1.09E-13	6.07E-13	1.04E-12	0.00E+00	8.04E-05	1.94E-04	1.56E-07	0.00E+00	0.00E+00	0.00E+00	3.51E-06	2.97E+04	2.61E-04
138	0.4840	130	2.79E+04	4.80E-04	1.05E-05	1.09E-15	3.14E-04	3.82E-13	3.78E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.72E-05	5.11E-05	5.75E-07	0.00E+00	2.58E-06	0.00E+00	4.78E-06	2.79E+04	2.42E-04
139	0.4800	131	2.97E+04	6.22E-04	1.22E-05	1.10E-14	4.11E-04	1.07E-12	1.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	4.05E-08	0.00E+00	0.00E+00	5.00E-08	0.00E+00	7.64E-06	2.79E+04	3.07E-04
140	0.4760	132	2.88E+04	2.07E-04	3.03E-06	2.66E-15	9.70E-05	3.36E-12	5.35E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-05	1.45E-08	0.00E+00	0.00E+00	6.91E-06	0.00E+00	2.26E-06	2.97E+04	8.51E-05
141	0.4720	133	3.17E+04	1.15E-04	1.63E-06	5.57E-16	6.21E-05	6.61E-13	5.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-05	4.41E-08	0.00E+00	0.00E+00	1.88E-11	0.00E+00	1.14E-06	3.07E+04	5.05E-05
142	0.4680	134	5.00E+04	2.51E-04	2.81E-07	2.41E-15	3.36E-05	7.82E-13	3.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-05	8.93E-05	0.00E+00	0.00E+00	2.02E-06	0.00E+00	1.03E-06	5.00E+04	1.07E-04
143	0.4640	135	9.54E+03	1.94E-05	1.61E-06	9.60E-16	1.47E-05	1.27E-14	5.74E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.43E-07	2.23E-06	0.00E+00	0.00E+00	2.57E-08	0.00E+00	2.56E-08	9.10E+03	7.83E-06
144	0.4600	136	2.41E+04	6.07E-04	1.55E-05	1.03E-15	3.64E-04	7.04E-13	3.00E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	3.58E-11	2.91E-06	0.00E+00	2.24E-16	0.00E+00	6.19E-06	2.41E+04	2.78E-04
145	0.4560	137	1.92E+04	8.46E-04	2.63E-05	7.96E-15	4.50E-04	1.02E-12	4.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	1.54E-04	7.67E-08	0.00E+00	4.82E-05	0.00E+00	4.96E-06	1.92E+04	4.15E-04
146	0.4520	138	2.97E+04	1.01E-03	1.14E-05	3.35E-15	3.84E-04	1.38E-13	1.59E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	2.85E-04	0.00E+00	0.00E+00	2.45E-10	0.00E+00	6.72E-06	2.97E+04	4.51E-04
147	0.4480	139	1.92E+04	1.88E-03	7.73E-05	7.22E-15	1.32E-03	4.43E-12	2.37E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-10	2.56E-13	1.48E-12	0.00E+00	4.72E-04	4.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-06	1.92E+04	9.45E-04
148	0.4440	140	2.06E+04	1.91E-04	6.58E-06	1.88E-16	1.23E-04	1.76E-12	4.20E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-05	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-06	2.11E+04	9.42E-05
149	0.4400	141	2.88E+04	8.49E-04	1.32E-05	2.00E-15	4.21E-04	1.94E-11	3.31E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-15	6.74E-18	5.15E-17	0.00E+00	2.83E-04	1.26E-04	0.00E+00	0.00E+00	4.56E-23	0.00E+00	5.83E-06	2.88E+04	3.86E-04
150	0.4360	142	2.71E+04	1.14E-03	2.50E-05	1.18E-15	7.16E-04	9.80E-10	2.57E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-04	4.84E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	2.63E+04	5.33E-04
151	0.4320	143	3.75E+04	4.53E-05	3.18E-07	3.48E-19	1.78E-05	3.19E-15	2.36E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-05	1.90E-07	0.00E+00	0.00E+00	2.49E-09	0.00E+00	6.21E-07	3.75E+04	1.70E-05
152	0.4280	144	5.00E+04	1.30E-05	2.41E-08	3.60E-17	2.87E-06	1.36E-13	4.14E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-06	2.99E-07	0.00E+00	0.00E+00	2.23E-07	0.00E+00	1.88E-07	5.00E+04	4.10E-06
153	0.4240	145	2.97E+04	7.25E-04	1.67E-05	2.51E-15	5.65E-04	9.29E-13	4.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-05	8.89E-14	3.99E-11	0.00E+00	4.13E-05	0.00E+00	8.24E-06	2.88E+04	3.86E-04
154	0.4200	146	5.00E+04	4.84E-04	1.53E-07	2.49E-07	1.84E-05	9.08E-14	4.12E-04	0.00E+00	0.00E+00	0.00E+00	9.69E-07	3.46E-12	8.80E-11	8.19E-11	0.00E+00	4.15E-05	1.09E-05	0.00E+00	0.00E+00	3.81E-11	0.00E+00	5.50E-07	5.00E+04	2.70E-04
155	0.4160	147	2.88E+04	9.40E-04	1.42E-05	2.59E-15	4.51E-04	1.97E-10	3.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-04	2.19E-04	0.00E+00	0.00E+00	6.11E-06	0.00E+00	7.34E-06	2.79E+04	4.46E-04
156	0.4120	148	4.16E+04	5.97E-04	1.68E-06	1.96E-11	1.23E-04	4.38E-13	8.93E-09	0.00E+00	0.00E+00	0.00E+00	1.55E-10	8.70E-15	2.62E-14	6.85E-14	0.00E+00	3.29E-04	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-06	4.31E+04	2.17E-04
157	0.4080	149	2.88E+04	8.97E-05	1.95E-06	5.92E-17	6.22E-05	1.85E-12	1.75E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-05	3.34E-09	0.00E+00	0.00E+00	3.08E-11	0.00E+00	1.12E-06	2.79E+04	4.47E-05
158	0.4040	150	4.64E+04	3.64E-05	1.23E-07	4.80E-16	1.22E-05	9.42E-13	3.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-05	1.17E-06	7.58E-07	0.00E+00	1.19E-09	0.00E+00	3.78E-07	4.16E+04	1.38E-05
159	0.4000	151	2.48E+04	2.53E-04	6.36E-06	1.21E-15	1.56E-04	4.34E-12	2.23E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-05	1.47E-05	3.10E-13	0.00E+00	3.02E-07	0.00E+00	1.68E-06	2.48E+04	1.21E-04
160	0.3960	152	4.31E+04	5.68E-04	2.69E-06	2.50E-15	2.17E-04	1.56E-13	1.19E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	6.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-06	4.16E+04	2.17E-04
161	0.3920	153	3.27E+04	3.07E-06	3.23E-08	2.93E-17	1.33E-06	2.38E-13	1.01E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-07	1.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-08	3.27E+04	1.49E-06
162	0.3880	154	2.55E+04	7.97E-05	2.57E-06	9.30E-16	6.63E-05	9.37E-11	1.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-06	3.86E-07	0.00E+00	0.00E+00	1.73E-08	0.00E+00	9.38E-07	2.48E+04	4.41E-05
163	0.3840	155	2.63E+04	2.28E-04	4.92E-06	1.29E-16	1.32E-04	1.46E-14	7.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-05	4.75E-05	0.00E+00	0.00E+00	3.13E-06	0.00E+00	1.34E-06	2.55E+04	1.17E-04
164	0.3800	156	2.11E+04	8.53E-04	2.81E-05	3.68E-15	5.44E-04	2.83E-11	1.95E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-05	1.82E-04	5.67E-08	0.00E+00	1.54E-09	0.00E+00	4.48E-06	2.11E+04	4.53E-04
165	0.3760	157	3.62E+04	2.10E-04	1.53E-06	7.15E-16	7.82E-05	3.56E-15	3.12E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-04	2.79E-06	0.00E+00	0.00E+00	1.94E-05	0.00E+00	2.35E-06	3.50E+04	8.10E-05
166	0.3720	158	3.07E+04	3.74E-04	4.09E-06	1.55E-16	1.47E-04	1.14E-11	1.68E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	1.13E-04	0.00E+00	0.00E+00	3.07E-10	0.00E+00	2.33E-06	2.97E+04	1.71E-04
167	0.3680	159	3.50E+04	8.31E-05	7.70E-07	3.64E-17	3.65E-05	4.39E-13	7.24E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-05	2.48E-10	3.29E-12	0.00E+00	6.64E-09	0.00E+00	1.21E-06	3.38E+04	3.31E-05
168	0.3640	160	5.00E+04	1.39E-03	3.07E-07	3.67E-17	3.69E-05	2.45E-14	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.50E-05	5.74E-05	0.00E+00	0.00E+00	1.39E-05	0.00E+00	1.27E-06	5.00E+04	7.76E-04
169	0.3600	161	3.75E+04	2.93E-04	2.12E-06	2.96E-16	1.19E-04	8.00E-13	7.02E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.64E-05	0.00E+00	0.00E+00	1.70E-05	0.00E+00	2.29E-06	3.62E+04	1.22E-04
170	0.3560	162	4.31E+04	4.73E-05	1.34E-07	5.24E-17	1.07E-05	2.23E-13	8.38E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05	1.58E-05	1.95E-07	0.00E+00	0.00E+00	0.00E+00	2.79E-07	4.16E+04	1.89E-05
171	0.3520	163	2.22E+04	9.16E-04	2.92E-05	5.17E-15	6.11E-04	1.16E-14	3.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	6.23E-09	0.00E+00	0.00E+00	1.05E-05	0.00E+00	6.57E-06	2.11E+04	4.48E-04
172	0.3480	164	5.00E+04	7.29E-03	2.44E-07	2.72E-15	2.92E-05	9.93E-14	7.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-05	2.56E-06	3.04E-06	0.00E+00	1.34E-05	0.00E+00	8.78E-07	5.00E+04	4.28E-03
173	0.3440	165	3.07E+04	4.32E-04	5.41E-06	4.93E-15	1.94E-04	6.46E-14	2.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	8.66E-05	7.10E-08	0.00E+00	5.00E-07	0.00E+00	3.08E-06	2.97E+04	1.95E-04
174	0.3400	166	2.88E+04	4.09E-04	6.12E-06	4.51E-15	1.93E-04	6.02E-13	1.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-05	1.20E-04	5.05E-07	0.00E+00	3.09E-05	0.00E+00	3.24E-06	2.79E+04	2.03E-04

1/31/00
CDRA

GW peak dose; No correlations

DRW

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
175	0.3360	167	3.75E+04	5.51E-06	3.62E-08	1.72E-17	2.01E-06	1.52E-14	7.09E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.10E-06	6.90E-10	6.10E-14	0.00E+00	3.04E-07	0.00E+00	5.96E-08	3.62E+04	2.07E-06
176	0.3320	168	2.28E+04	2.98E-04	9.95E-06	2.40E-15	2.15E-04	2.44E-13	3.95E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-05	8.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-06	2.22E+04	1.51E-04
177	0.3280	169	2.55E+04	7.60E-04	1.39E-05	1.49E-15	3.57E-04	3.13E-12	2.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	1.72E-04	3.03E-10	0.00E+00	4.13E-05	0.00E+00	4.01E-06	2.55E+04	3.60E-04
178	0.3240	170	5.00E+04	8.40E-05	2.54E-07	3.06E-17	3.05E-05	1.25E-12	1.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.10E-05	6.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-06	4.47E+04	3.39E-05
179	0.3200	171	5.00E+04	1.90E-04	1.85E-07	8.28E-16	2.20E-05	5.12E-13	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-05	3.18E-08	0.00E+00	0.00E+00	8.97E-06	0.00E+00	6.70E-07	5.00E+04	8.96E-05
180	0.3160	172	2.41E+04	2.00E-04	4.67E-06	5.95E-16	1.10E-04	3.35E-12	3.35E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-05	2.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-06	2.41E+04	9.51E-05
181	0.3120	173	2.11E+04	1.92E-04	7.69E-06	1.07E-14	1.49E-04	9.31E-13	1.91E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-05	1.04E-06	0.00E+00	0.00E+00	1.82E-11	0.00E+00	1.31E-06	2.11E+04	1.02E-04
182	0.3080	174	2.41E+04	9.35E-04	2.68E-05	7.35E-12	6.31E-04	5.25E-13	7.88E-09	0.00E+00	0.00E+00	0.00E+00	1.37E-10	2.57E-18	4.90E-15	7.15E-15	0.00E+00	2.64E-04	3.69E-07	5.84E-06	0.00E+00	4.91E-13	0.00E+00	7.11E-06	2.35E+04	4.57E-04
183	0.3040	175	3.62E+04	3.50E-04	2.42E-06	2.05E-08	1.24E-04	1.83E-12	6.75E-10	0.00E+00	0.00E+00	0.00E+00	9.99E-08	4.49E-12	1.00E-12	9.60E-12	0.00E+00	1.51E-04	7.01E-05	0.00E+00	0.00E+00	5.09E-16	0.00E+00	3.24E-06	3.50E+04	1.45E-04
184	0.3000	176	4.82E+04	2.49E-03	2.72E-08	2.81E-16	3.01E-06	1.33E-14	2.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-06	1.05E-05	0.00E+00	0.00E+00	1.20E-06	0.00E+00	8.08E-08	4.82E+04	1.47E-03
185	0.2960	177	1.96E+04	6.09E-04	1.90E-05	7.55E-15	3.31E-04	2.01E-12	2.46E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	9.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-06	1.96E+04	2.91E-04
186	0.2920	178	2.71E+04	8.77E-04	1.71E-05	3.93E-15	4.84E-04	4.51E-12	3.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-04	3.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-06	2.71E+04	3.84E-04
187	0.2880	179	5.00E+04	2.34E-03	1.27E-07	2.10E-15	1.52E-05	4.57E-13	2.26E-03	0.00E+00	0.00E+00	0.00E+00	6.26E-17	7.85E-22	2.54E-21	1.81E-20	0.00E+00	3.73E-05	2.47E-05	5.35E-07	0.00E+00	1.04E-06	0.00E+00	4.65E-07	5.00E+04	1.36E-03
188	0.2840	180	9.10E+03	6.12E-05	5.94E-06	1.41E-14	5.26E-05	1.35E-12	8.84E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-06	9.86E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-08	9.10E+03	2.54E-05
189	0.2800	181	5.00E+04	1.79E-03	2.27E-07	4.45E-16	2.71E-05	5.62E-14	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-05	1.08E-04	0.00E+00	0.00E+00	5.09E-19	0.00E+00	8.09E-07	5.00E+04	1.02E-03
190	0.2760	182	2.01E+04	5.79E-04	2.26E-05	6.44E-16	4.10E-04	1.58E-12	8.58E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	1.10E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-06	2.01E+04	2.92E-04
191	0.2720	183	4.47E+04	1.13E-04	2.64E-07	3.68E-15	2.34E-05	1.33E-12	1.26E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-05	5.24E-05	0.00E+00	0.00E+00	3.64E-06	0.00E+00	5.55E-07	4.31E+04	4.92E-05
192	0.2680	184	2.35E+04	6.77E-04	1.80E-05	1.26E-15	4.03E-04	6.03E-13	6.83E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	5.64E-06	2.39E-07	0.00E+00	1.89E-05	0.00E+00	5.74E-06	2.35E+04	3.13E-04
193	0.2640	185	3.75E+04	6.45E-04	5.64E-06	1.77E-14	3.14E-04	2.60E-12	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	4.62E-06	1.32E-05	0.00E+00	0.00E+00	0.00E+00	5.32E-06	3.75E+04	2.66E-04
194	0.2600	186	2.79E+04	8.13E-04	1.61E-05	1.61E-15	4.84E-04	7.88E-11	5.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	5.75E-05	1.59E-12	0.00E+00	0.00E+00	0.00E+00	7.30E-06	2.71E+04	3.85E-04
195	0.2560	187	3.17E+04	7.34E-04	1.16E-05	1.05E-11	4.44E-04	1.11E-12	5.25E-09	0.00E+00	0.00E+00	0.00E+00	1.42E-10	3.96E-13	5.17E-15	2.73E-14	0.00E+00	1.88E-04	7.48E-05	5.10E-14	0.00E+00	1.02E-05	0.00E+00	6.20E-06	2.97E+04	3.70E-04
196	0.2520	188	5.96E+03	6.24E-05	7.03E-06	3.49E-17	5.11E-05	5.07E-13	2.40E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-08	5.96E+03	2.54E-05
197	0.2480	189	3.17E+04	1.41E-04	2.82E-06	3.80E-16	1.09E-04	3.71E-12	1.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-05	3.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-06	3.07E+04	7.39E-05
198	0.2440	190	5.00E+04	2.72E-02	3.95E-07	6.07E-06	4.78E-05	8.18E-13	2.69E-02	0.00E+00	0.00E+00	0.00E+00	2.22E-05	4.63E-09	3.03E-09	2.49E-09	0.00E+00	1.21E-04	6.03E-05	0.00E+00	0.00E+00	4.50E-23	0.00E+00	1.43E-06	5.00E+04	1.60E-02
199	0.2400	191	5.00E+04	9.31E-05	1.59E-07	1.06E-15	1.91E-05	2.40E-15	1.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-05	1.65E-05	6.76E-07	0.00E+00	0.00E+00	0.00E+00	5.93E-07	5.00E+04	3.84E-05
200	0.2360	192	5.00E+04	1.87E-03	2.14E-07	2.43E-14	2.58E-05	1.47E-13	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-05	1.02E-04	2.30E-06	0.00E+00	1.68E-05	0.00E+00	7.68E-07	5.00E+04	1.06E-03
201	0.2320	193	2.17E+04	3.11E-05	8.71E-07	5.16E-13	1.74E-05	1.42E-13	2.61E-10	0.00E+00	0.00E+00	0.00E+00	6.46E-12	3.30E-16	9.30E-16	1.98E-15	0.00E+00	8.69E-06	1.90E-06	0.00E+00	0.00E+00	2.01E-06	0.00E+00	2.04E-07	2.22E+04	1.46E-05
202	0.2280	194	2.79E+04	1.52E-04	1.79E-06	1.35E-16	5.36E-05	2.27E-13	1.17E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-05	3.63E-05	7.29E-07	0.00E+00	1.93E-06	0.00E+00	1.49E-06	2.79E+04	6.46E-05
203	0.2240	195	2.35E+04	4.39E-04	9.63E-06	1.17E-13	2.17E-04	1.72E-10	6.46E-10	0.00E+00	0.00E+00	0.00E+00	1.11E-12	2.16E-18	4.96E-17	1.27E-16	0.00E+00	1.16E-04	9.32E-05	0.00E+00	0.00E+00	7.74E-11	0.00E+00	2.70E-06	2.35E+04	2.08E-04
204	0.2200	196	3.07E+04	9.88E-04	1.06E-05	1.61E-15	3.81E-04	3.27E-13	2.38E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	2.87E-04	7.20E-06	0.00E+00	6.47E-06	0.00E+00	6.62E-06	3.07E+04	4.44E-04
205	0.2160	197	1.75E+04	9.56E-04	4.34E-05	1.10E-15	6.65E-04	2.51E-13	2.78E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	8.06E-10	0.00E+00	0.00E+00	3.76E-06	0.00E+00	6.32E-06	1.75E+04	4.80E-04
206	0.2120	198	2.35E+04	1.50E-03	5.15E-05	2.05E-15	1.16E-03	1.42E-10	9.83E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	6.94E-06	0.00E+00	0.00E+00	6.49E-05	0.00E+00	1.16E-05	2.28E+04	8.09E-04
207	0.2080	199	1.17E+04	3.14E-05	2.44E-06	1.91E-17	2.54E-05	2.07E-13	1.85E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-06	2.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.54E-08	1.46E+04	1.33E-05
208	0.2040	200	3.07E+04	1.31E-04	1.27E-06	7.50E-14	4.60E-05	8.23E-14	4.83E-11	0.00E+00	0.00E+00	0.00E+00	2.25E-12	2.74E-15	9.56E-17	8.22E-16	0.00E+00	7.53E-05	1.81E-08	0.00E+00	0.00E+00	6.21E-06	0.00E+00	1.91E-06	3.17E+04	4.97E-05
209	0.2000	201	2.88E+04	1.89E-04	2.40E-06	1.91E-15	7.70E-05	5.42E-14	1.56E-09	0.00E+00	0.00E+00	0.00E+00	1.62E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-05	3.38E-05	4.85E-08	0.00E+00	1.30E-10	0.00E+00	1.64E-06	2.97E+04	8.13E-05
210	0.1960	202	5.00E+04	1.14E-04	1.68E-07	2.24E-10	2.04E-05	3.15E-14	5.31E-10	0.00E+00	0.00E+00	0.00E+00	8.97E-10	1.63E-13	3.48E-13	8.90E-13	0.00E+00	9.12E-05	2.39E-07	9.38E-21	0.00E+00	9.93E-10	0.00E+00	2.33E-06	5.00E+04	3.34E-05
211	0.1920	203	5.00E+04	8.16E-03	9.28E-07	1.30E-14	1.11E-04	3.54E-13	7.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-04	2.76E-04	0.00E+00	0.00E+00	1.39E-05	0.00E+00	3.36E-06	5.00E+04	4.70E-03
212	0.1880	204	3.17E+04	2.60E-04	2.22E-06	2.42E-16	8.51E-05	6.42E-12	3.32E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	6.82E-05	1.64E-06	0.00E+00	6.41E-13	0.00E+00	2.25E-06	3.17E+04	1.09E-04
213	0.1840	205	2.22E+04	2.17E-04	7.11E-06	3.72E-16	1.47E-04	2.56E-12	6.60E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-05	3.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-06	2.22E+04	1.15E-04
214	0.1800	206	2.41E+04	4.57E-04	1.27E-05	2.44E-12	2.98E-04	2.94E-12	1.73E-09	0.00E+00	0.00E+00	0.00E+00	2.71E-11	2.05E-15	2.33E-15	5.68E-15	0.00E+00	1.16E-04	2.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-06	2.35E+04	2.26E-04
215	0.1760	207	2.41E+04	6.62E-04	2.21E-05	3.85E-15	5.16E-04	1.12E-12	1.13E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-18	1.71E-20	8.84E-20	0.00E+00	1.14E-04	1.99E-06	3.53E-15	0.00E+00	7.52E-07	0.00E+00	6.61E-06	2.41E+04	3.50E-04
216	0.1720	208	2.55E+04	7.91E-04	2.06E-05	3.41E-15	5.33E-04	5.46E-12	1.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	4.21E-05	3.67E-06	0.00E+00	0.00E+00	0.00E+00	6.24E-06	2.55E+04	3.96E-04
217	0.1680	209	2.63E+04	3.56E-04	6.08E-06	5.43E-16	1.65E-04	2.25E-12	1.99E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	5.49E-05	1.42E-07	0.00E+00	0.00E+00	0.00E+00	3.01E-06	2.71E+04	1.59E-04
218	0.1640	210	4.82E+04	2.74E-04	4.40E-07	3.17E-15	4.85E-05	3.76E-12	6.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	1.09E-04	1.85E-06	0.00E+00	0.00E+00	0.00E+00	1.43E-06	4.16E+04	1.11E-04
219	0.1600	211	2.06E+04	7.98E-05	3.37E-06	3.85E-16	6.28E-05	1.60E-11	1.57E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-06	6.46E-06	4.20E-11	0.00E+00	0.00E+00	0.00E+00	4.61E-07	2.01E+04	4.45E-05
220	0.1560	212	3.17E+04	1.91E-04	2.26E-06	5.75E-08	8.68E-05	3.13E-12	2.97E-09	0.00E+00	0.00E+00	0.00E+00	3.05E-07	3.92E-11	1.97E-12	3.09E-11	0.00E+00	9.95E-05	1.68E-10	0.00E+00	0.00E+00	4.16E-17	0.00E+00	2.43E-06	3.17E+04	7.63E-05
221	0.1520	213	3.75E+04	3.01E-04	1.68E-06	8.44E-16	9.40E-05	6.02E-12	2.04E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-05	1.16E-04	4.20E-08	0.00E+00	0.00E+00	0.00E+00	1.55E-06	3.62E+04	1.35E-04
222	0.1480	214	3.07E+04	1.23E-04	1.87E-06	3.35E-16	6.72E-05	5.38E-14	7.66E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-05	1.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-06	2.97E+04	5.76E-05
223	0.1440	215	5.00E+04	1.18E-04	1.87E-07	4.66E-15	2.25E-05	2.18E-13	1.61E-09	0.00E+00	0.00E+00	0.00E+00	8.32E-23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-05	3.56E-05	1.97E-06	0.00E+00	7.23E-06	0.00E+00	6.65E-07	4.82E+04	4.55E-05
224	0.1400	216	5.00E+04	6.70E-03	1.22E-07	1.94E-16	1.46E-05	2.98E-13	6.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05	1.32E-05	5.03E-14	0.00E+00	4.52E-06	0.00E+00	4.31E-07	5.00E+04	3.95E-03
225	0.1360	217	5.00E+04	2.77E-02	4.27E-07	2.78E-14	5.12E-05	4.70E-14	2.74E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	1.82E-04	1.98E-13	0.00E+00	3.27E-11	0.00E+00	1.51E-06	5.00E+04	1.63E-02
226	0.1320	218	2.88E+04	1.53E-04	3.54E-06	8.31E-15	1.12E-04	1.39E-14	4.00E-09	0.00E+00	0.00E+00	0.00E+00	4.28E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-05	3.99E-13	1.92E-06	0.00E+00	3.69E-06	0.00E+00	1.10E-06	2.79E+04	7.98E-05
227	0.1280	219	2.63E+04	1.42E-03	3.04E-05	9.74E-15	8.18E-04	3.19E-12	5.09E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-04	2.01E-04	0.00E+00	0.00E+00	3.81E-05	0.00E+00	7.84E-06	2.55E+04	6.98E-04
228	0.1240	220	3.50E+04	4.09E-04	2.81E-06	3.55E-15	1.33E-04	1.45E-11	1.25E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	1.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-06	3.50E+04	1.82E-04
229	0.1200	221	5.00E+04	2.85E-04	6.45E-07	8.44E-11	7.68E-05	8.02E-11	7.87E-10	0.00E+00	0.00E+00	0.00E+00	1.00E-09	5.69E-13	1.42E-13	4.13E-13	0.00E+00	1.63E-04	4.10E-05	2.44E-10	0.00E+00	5.64E-07	0.00E+00	2.43E-06	3.88E+04	1.22E-04
230	0.1160	222	2.63E+04	1.14E-03	3.48E-05	1.97E-15	9.45E-04	2.49E-10	1.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	2.06E-08	8.50E-06	0.00E+00	0.00E+00	0.00E+00	1.05E-05	2.55E+04	6.28E-04
231	0.1120	223	2.63E+04	1.09E-04	2.70E-06	6.17E-16	7.28E-05	2.28E-12	1.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05	3.64E-06	0.00E+00	0.00E+00	2.38E-06	0.00E+00	9.41E-07	2.55E+04	5.45E-05
232	0.1080	224	5.00E+04	1.55E-02	3.74E-07	1.09E-14	4.45E-05	3.12E-14	1.52E-02	0.00E+00	0.00E+00	0.00E+00	1.62E-16	1.24E-19	2.52E-20	1.15E-19	0.00E+00	1.26E-04	1.54E-04	0.00E+00	0.00E+00	1.72E-05	0.00E+00	1.34E-06	5.00E+04	9.12E-03
233	0.1040	225	3.38E+04	6.92E-06	6.34E-08	4.54E-15	2.80E-06	2.72E-14	4.37E-11	0.00E+00	0.00E+00	0.00E+00	7.32E-14	1.03E-17	1.78E-17	4.03E-17	0.00E+00	1.66E-06	2.37E-06	3.28E-10	0.00E+00	2.14E-12	0.00E+00	2.46E-08	3.27E+04	3.28E-06
234	0.1000	226	2.41E+04	1.08E-03	2.67E-05	3.37E-14	6.30E-04	1.67E-12	3.54E-08	0.00E+00	0.00E+00	0.00E+00	2.16E-17	1.54E-22	0.00E+00	0.00E+00	0.00E+00	2.48E-04	1.29E-04	0.00E+00	0.00E+00	3.92E-05	0.00E+00	5.78E-06	5.00E+04	5.35E-04
235	0.0960	227	2.22E+04	5.21E-04	1.85E-05	3.40E-16	3.86E-04	3.54E-12	1.24E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-05	6.70E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-06	2.17E+04	2.86E-04
236	0.0920	228	3.38E+04	1.64E-04	1.67E-06	7.82E-16	7.42E-05	5.19E-14	4.44E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.56E-05	1.42E-08	7.80E-10	0.00E+00	6.62E-16	0.00E+00	2.23E-06	3.38E+04	6.50E-05
237	0.0880	229	5.00E+04	4.74E-05	1.15E-07	6.77E-17	1.39E-05	7.22E-13	3.74E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-05	2.55E-07	5.49E-07	0.00E+00	0.00E+00	0.00E+00	7.33E-07	5.00E+04	1.73E-05
238	0.0840	230	4.82E+04	5.42E-05	1.15E-07	4.96E-17	1.28E-05	8.33E-11	1.23E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-05	1.27E-05	3.44E-10	0.00E+00	2.52E-06	0.00E+00	3.46E-07	3.88E+04	2.24E-05
239	0.0800	231	3.75E+04	2.97E-04	2.24E-06	5.70E-16	1.25E-04	8.47E-13	2.63E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-04	2.53E-07	2.32E-22	0.00E+00	1.25E-05	0.00E+00	4.36E-06	3.75E+04	1.16E-04
240	0.0760	232	2.22E+04	3.41E-04	9.70E-06	2.04E-15	2.00E-04	3.24E-11	2.89E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-05	5.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-06	2.11E+04	1.72E-04
241	0.0720	233	2.41E+04	3.38E-04	7.10E-06	4.70E-16	1.66E-04	5.76E-14	5.54E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-05	8.34E-05	2.43E-06	0.00E+00	0.00E+00	0.00E+00	2.17E-06	2.41E+04	1.63E-04
242	0.0680	234	3.07E+04	2.63E-04	2.46E-06	1.95E-16	8.84E-05	3.84E-12	1.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-04	3.79E-09	0.00E+00	0.00E+00	2.39E-05	0.00E+00	4.33E-06	3.07E+04	9.62E-05
243	0.0640	235	2.79E+04	5.03E-04	1.04E-05	4.96E-15	3.13E-04	9.38E-13	4.29E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	3.51E-07	9.87E-08	0.00E+00	0.00E+00	0.00E+00	4.68E-06	2.79E+04	2.34E-04
244	0.0600	236	4.47E+04	3.18E-04	6.93E-07	1.50E-16	6.14E-05	3.62E-13	1.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	1.41E-04	1.17E-06	0.00E+00	0.00E+00	0.00E+00	2.50E-06	4.31E+04	1.32E-04
245	0.0560	237	2.41E+04	3.92E-04	1.42E-05	1.48E-10	3.38E-04	1.39E-10	7.57E-10	0.00E+00	0.00E+00	0.00E+00	9.66E-10	2.25E-14	3.36E-14	1.25E-13	0.00E+00	3.19E-05	5.26E-06	0.00E+00	0.00E+00	1.95E-12	0.00E+00	3.42E-06	2.41E+04	2.21E-04
246	0.0520	238	4.31E+04	2.48E-04	6.06E-07	6.46E-15	4.88E-05	1.41E-14	5.35E-10	0.00E+00	0.00E+00	0.00E+00	1.05E-13	1.79E-17	2.42E-17	6.80E-17	0.00E+00	1.16E-04	8.09E-05	0.00E+00	0.00E+00	2.41E-19	0.00E+00	2.12E-06	4.31E+04	9.55E-05
247	0.0480	239	2.55E+04	6.96E-04	1.60E-05	2.40E-15	4.12E-04	5.08E-11	3.07E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	2.34E-05	0.00E+00	0.00E+00	7.59E-09	0.00E+00	5.20E-06	2.55E+04	3.22E-04
248	0.0440	240	2.11E+04	3.99E-04	1.21E-05	3.23E-15	2.33E-04	1.68E-13	2.06E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-05	7.13E-05	0.00E+00	0.00E+00	6.98E-15	0.00E+00	2.62E-06	2.11E+04	2.00E-04
249	0.0400	241	5.00E+04	7.70E-03	2.10E-07	3.67E-15	2.51E-05	5.92E-11	7.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-05	9.02E-07	1.16E-06	0.00E+00	6.72E-06	0.00E+00	7.84E-07	5.00E+04	4.53E-03
250	0.0360	242	2.22E+04	5.49E-04	1.46E-05	1.14E-14	3.04E-04	4.65E-13	5.38E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	7.23E-11	0.00E+00	0.00E+00	1.39E-05	0.00E+00	4.93E-06	2.22E+04	2.44E-04
251	0.0320	243	2.41E+04	1.24E-04	2.71E-06	4.77E-16	6.41E-05	5.64E-13	7.17E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-05	3.26E-05	6.14E-13	0.00E+00	0.00E+00	0.00E+00	8.12E-07	2.41E+04	6.14E-05
252	0.0280	244	3.27E+04	3.47E-04	3.90E-06	3.44E-09	1.60E-04	4.12E-12	4.45E-09	0.00E+00	0.00E+00	0.00E+00	2.30E-08	2.13E-12	4.12E-13	1.89E-12	0.00E+00	8.83E-05	9.20E-05	0.00E+00	0.00E+00	8.01E-17	0.00E+00	2.52E-06	3.17E+04	1.64E-04
253	0.0240	245	4.31E+04	8.36E-05	3.48E-07	1.51E-15	2.81E-05	3.81E-14	1.53E-09	0.00E+00	0.00E+00	0.00E+00	1.11E-14	1.61E-19	6.29E-19	1.79E-18	0.00E+00	5.33E-05	4.41E-07	0.00E+00	0.00E+00	1.13E-16	0.00E+00	1.42E-06	4.16E+04	3.00E-05
254	0.0200	246	2.63E+04	9.66E-04	1.47E-05	2.47E-14	3.99E-04	8.21E-14	1.51E-10	0.00E+00	0.00E+00	0.00E+00	3.05E-15	3.41E-19	1.75E-19	4.30E-19	0.00E+00	3.90E-04	1.40E-04	0.00E+00	0.00E+00	1.29E-05	0.00E+00	9.45E-06	2.71E+04	4.11E-04
255	0.0160	247	5.00E+04	4.18E-03	4.82E-07	6.80E-15	5.74E-05	1.35E-12	3.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	1.90E-04	0.00E+00	0.00E+00	2.08E-10	0.00E+00	1.74E-06	5.00E+04	2.40E-03
256	0.0120	248	5.00E+04	1.36E-05	2.93E-08	2.66E-17	3.50E-06	2.67E-14	1.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-06	6.75E-07	0.00E+00	0.00E+00	8.39E-23	0.00E+00	1.68E-07	5.00E+04	4.56E-06
257	0.0080	249	5.00E+04	2.78E-03	4.27E-07	1.65E-14	5.05E-05	2.29E-12	2.41E-03	0.00E+00	0.00E+00	0.00E+00	1.54E-13	4.91E-19	4.93E-17	1.45E-16	0.00E+00	1.42E-04	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-06	5.00E+04	1.57E-03
258	0.0040	250	4.82E+04	9.38E-03	2.20E-07	1.77E-15	2.44E-05	1.06E-13	9.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-05	7.95E-05	1.78E-06	0.00E+00	5.96E-06	0.00E+00	6.67E-07	4.82E+04	5.52E-03

1/31/00 DBA

Sorted results from pg. 142: Sorted for each RN

DBW

No Correlation; Sorted lowest to highest dose

Row	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL
7	probability	vector	Cm246de	vector	U238de	vector	Cm245de	vector	Am241de	vector	Np237de
8	n/250	unitless	rem/yr	unitless	rem/yr	unitless	rem/yr	unitless	rem/yr	unitless	rem/yr
9	1.0000	25	3.67E-09	143	3.48E-19	44	3.09E-07	25	7.33E-17	44	2.75E-12
10	0.9960	44	8.09E-09	23	2.55E-18	25	4.40E-07	44	3.09E-16	20	6.86E-12
11	0.9920	84	1.16E-08	25	6.19E-18	153	1.33E-06	123	7.30E-16	50	7.16E-12
12	0.9880	144	2.41E-08	44	1.26E-17	84	1.40E-06	29	2.38E-15	153	1.01E-11
13	0.9840	4	2.43E-08	167	1.72E-17	167	2.01E-06	191	2.40E-15	74	1.87E-11
14	0.9800	176	2.72E-08	199	1.91E-17	225	2.80E-06	143	3.19E-15	143	2.36E-11
15	0.9760	248	2.93E-08	50	2.08E-17	144	2.87E-06	157	3.56E-15	81	2.92E-11
16	0.9720	153	3.23E-08	49	2.39E-17	4	2.91E-06	103	7.94E-15	144	4.14E-11
17	0.9680	167	3.62E-08	248	2.66E-17	176	3.01E-06	106	8.77E-15	225	4.37E-11
18	0.9640	2	3.77E-08	80	2.87E-17	248	3.50E-06	113	8.91E-15	200	4.83E-11
19	0.9600	29	4.40E-08	153	2.93E-17	50	3.95E-06	39	9.90E-15	167	7.09E-11
20	0.9560	128	4.83E-08	170	3.06E-17	2	4.55E-06	47	1.04E-14	78	8.23E-11
21	0.9520	23	5.12E-08	118	3.39E-17	29	5.29E-06	163	1.16E-14	77	1.17E-10
22	0.9480	225	6.34E-08	36	3.47E-17	128	5.88E-06	135	1.27E-14	194	1.17E-10
23	0.9440	116	6.51E-08	188	3.49E-17	23	6.18E-06	3	1.28E-14	103	1.23E-10
24	0.9400	105	6.65E-08	78	3.60E-17	74	6.36E-06	176	1.33E-14	101	1.23E-10
25	0.9360	112	1.06E-07	144	3.60E-17	106	7.47E-06	218	1.39E-14	45	1.27E-10
26	0.9320	113	1.10E-07	159	3.64E-17	116	7.76E-06	238	1.41E-14	104	1.41E-10
27	0.9280	230	1.15E-07	160	3.67E-17	105	7.89E-06	155	1.46E-14	88	1.46E-10
28	0.9240	229	1.15E-07	7	3.85E-17	162	1.07E-05	167	1.52E-14	246	1.51E-10
29	0.9200	9	1.22E-07	230	4.96E-17	150	1.22E-05	112	1.64E-14	128	1.68E-10
30	0.9160	216	1.22E-07	162	5.24E-17	112	1.27E-05	58	1.83E-14	30	1.92E-10
31	0.9120	150	1.23E-07	123	5.28E-17	230	1.28E-05	160	2.45E-14	209	1.99E-10
32	0.9080	82	1.26E-07	149	5.92E-17	113	1.34E-05	26	2.60E-14	53	2.16E-10
33	0.9040	179	1.27E-07	20	6.06E-17	229	1.39E-05	248	2.67E-14	151	2.23E-10
34	0.9000	162	1.34E-07	104	6.10E-17	9	1.45E-05	225	2.72E-14	188	2.40E-10
35	0.8960	146	1.53E-07	229	6.77E-17	216	1.46E-05	68	3.02E-14	113	2.44E-10
36	0.8920	191	1.59E-07	122	7.02E-17	135	1.47E-05	224	3.12E-14	193	2.61E-10
37	0.8880	202	1.68E-07	101	7.86E-17	82	1.49E-05	202	3.15E-14	197	2.78E-10
38	0.8840	26	1.69E-07	113	9.04E-17	179	1.52E-05	73	3.30E-14	118	2.83E-10
39	0.8800	68	1.79E-07	86	1.05E-16	68	1.60E-05	22	3.37E-14	34	2.98E-10
40	0.8760	106	1.83E-07	74	1.08E-16	103	1.68E-05	245	3.81E-14	31	2.98E-10
41	0.8720	171	1.85E-07	40	1.24E-16	193	1.74E-05	128	3.98E-14	136	3.00E-10
42	0.8680	215	1.87E-07	88	1.29E-16	102	1.77E-05	125	4.05E-14	239	3.07E-10
43	0.8640	57	1.93E-07	155	1.29E-16	143	1.78E-05	62	4.47E-14	204	3.32E-10
44	0.8600	62	1.95E-07	194	1.35E-16	146	1.84E-05	217	4.70E-14	172	3.35E-10
45	0.8560	7	1.99E-07	236	1.50E-16	191	1.91E-05	74	4.93E-14	121	3.65E-10
46	0.8520	42	2.09E-07	158	1.55E-16	81	2.02E-05	228	5.19E-14	58	3.70E-10
47	0.8480	241	2.10E-07	39	1.73E-16	26	2.03E-05	54	5.26E-14	28	3.71E-10
48	0.8440	192	2.14E-07	91	1.77E-16	202	2.04E-05	214	5.38E-14	129	3.84E-10
49	0.8400	3	2.19E-07	34	1.87E-16	20	2.08E-05	201	5.42E-14	168	3.95E-10
50	0.8360	250	2.20E-07	140	1.88E-16	171	2.20E-05	181	5.62E-14	54	4.06E-10
51	0.8320	181	2.27E-07	216	1.94E-16	215	2.25E-05	94	5.66E-14	16	4.21E-10
52	0.8280	58	2.29E-07	234	1.95E-16	101	2.27E-05	233	5.76E-14	79	4.23E-10
53	0.8240	103	2.31E-07	124	2.32E-16	57	2.31E-05	19	6.22E-14	228	4.44E-10
54	0.8200	48	2.34E-07	204	2.42E-16	62	2.31E-05	165	6.46E-14	202	5.31E-10
55	0.8160	164	2.44E-07	53	2.43E-16	183	2.34E-05	122	6.90E-14	132	5.35E-10
56	0.8120	170	2.54E-07	45	2.56E-16	7	2.35E-05	37	8.10E-14	238	5.35E-10
57	0.8080	50	2.56E-07	58	2.58E-16	47	2.42E-05	246	8.21E-14	242	5.38E-10
58	0.8040	183	2.64E-07	52	2.66E-16	250	2.44E-05	200	8.23E-14	100	5.41E-10
59	0.8000	102	2.67E-07	66	2.75E-16	42	2.50E-05	14	8.27E-14	233	5.54E-10
60	0.7960	94	2.68E-07	17	2.77E-16	241	2.51E-05	49	8.56E-14	29	5.59E-10
61	0.7920	134	2.81E-07	176	2.81E-16	199	2.54E-05	70	8.77E-14	70	5.63E-10
62	0.7880	74	2.83E-07	106	2.82E-16	192	2.58E-05	146	9.08E-14	65	5.70E-10
63	0.7840	87	3.03E-07	161	2.96E-16	118	2.63E-05	23	9.41E-14	135	5.74E-10
64	0.7800	33	3.04E-07	75	3.00E-16	3	2.63E-05	101	9.52E-14	39	5.78E-10
65	0.7760	160	3.07E-07	59	3.01E-16	181	2.71E-05	66	9.54E-14	71	5.89E-10
66	0.7720	143	3.18E-07	30	3.13E-16	58	2.76E-05	80	9.80E-14	122	6.32E-10
67	0.7680	245	3.48E-07	214	3.35E-16	48	2.80E-05	164	9.93E-14	195	6.46E-10
68	0.7640	224	3.74E-07	227	3.40E-16	245	2.81E-05	250	1.06E-13	175	6.75E-10
69	0.7600	88	3.95E-07	70	3.41E-16	164	2.92E-05	60	1.09E-13	184	6.83E-10
70	0.7560	190	3.95E-07	205	3.72E-16	170	3.05E-05	75	1.19E-13	243	7.17E-10
71	0.7520	249	4.27E-07	189	3.80E-16	88	3.15E-05	77	1.23E-13	159	7.24E-10
72	0.7480	217	4.27E-07	211	3.85E-16	94	3.19E-05	116	1.27E-13	107	7.39E-10
73	0.7440	210	4.40E-07	114	4.05E-16	54	3.25E-05	50	1.29E-13	237	7.57E-10
74	0.7400	14	4.64E-07	81	4.29E-16	77	3.26E-05	144	1.36E-13	214	7.66E-10
75	0.7360	60	4.77E-07	181	4.45E-16	134	3.36E-05	138	1.38E-13	221	7.87E-10
76	0.7320	247	4.82E-07	68	4.54E-16	87	3.61E-05	82	1.38E-13	162	8.38E-10
77	0.7280	76	4.93E-07	233	4.70E-16	33	3.62E-05	193	1.42E-13	180	8.84E-10
78	0.7240	77	4.95E-07	96	4.73E-16	159	3.65E-05	59	1.45E-13	108	9.21E-10
79	0.7200	101	5.15E-07	243	4.77E-16	160	3.69E-05	192	1.47E-13	14	1.06E-09
80	0.7160	46	5.64E-07	107	4.79E-16	14	3.74E-05	20	1.53E-13	207	1.13E-09
81	0.7120	238	6.06E-07	2	4.80E-16	31	4.00E-05	98	1.54E-13	36	1.15E-09
82	0.7080	51	6.23E-07	150	4.80E-16	224	4.45E-05	152	1.56E-13	234	1.18E-09
83	0.7040	109	6.27E-07	209	5.43E-16	200	4.60E-05	84	1.67E-13	91	1.22E-09
84	0.7000	118	6.43E-07	133	5.57E-16	123	4.67E-05	240	1.68E-13	230	1.23E-09
85	0.6960	221	6.45E-07	231	5.70E-16	190	4.78E-05	16	1.71E-13	220	1.25E-09
86	0.6920	54	6.85E-07	47	5.80E-16	210	4.85E-05	51	1.73E-13	183	1.26E-09
87	0.6880	236	6.93E-07	111	5.92E-16	238	4.88E-05	27	1.91E-13	248	1.27E-09
88	0.6840	81	7.52E-07	172	5.95E-16	109	5.03E-05	114	1.99E-13	43	1.27E-09
89	0.6800	55	7.65E-07	223	6.17E-16	249	5.05E-05	199	2.07E-13	154	1.33E-09
90	0.6760	159	7.70E-07	182	6.44E-16	188	5.11E-05	215	2.18E-13	40	1.34E-09
91	0.6720	47	8.10E-07	72	6.82E-16	217	5.12E-05	162	2.23E-13	119	1.35E-09
92	0.6680	120	8.59E-07	157	7.15E-16	122	5.17E-05	100	2.26E-13	245	1.53E-09
93	0.6640	193	8.71E-07	117	7.16E-16	180	5.26E-05	194	2.27E-13	67	1.54E-09
94	0.6600	124	8.83E-07	228	7.82E-16	16	5.33E-05	153	2.38E-13	201	1.56E-09
95	0.6560	122	9.22E-07	171	8.28E-16	194	5.36E-05	15	2.40E-13	211	1.57E-09
96	0.6520	203	9.28E-07	213	8.44E-16	60	5.72E-05	168	2.44E-13	15	1.58E-09
97	0.6480	32	9.83E-07	125	8.48E-16	247	5.74E-05	197	2.51E-13	215	1.61E-09
98	0.6440	20	9.99E-07	5	8.99E-16	76	5.92E-05	64	2.70E-13	12	1.61E-09
99	0.6400	200	1.27E-06	13	9.06E-16	236	6.14E-05	216	2.98E-13	236	1.64E-09
100	0.6360	36	1.50E-06	154	9.30E-16	133	6.21E-05	196	3.27E-13	170	1.66E-09
101	0.6320	157	1.53E-06	135	9.60E-16	149	6.22E-05	203	3.54E-13	158	1.68E-09
102	0.6280	31	1.54E-06	93	1.02E-15	211	6.28E-05	236	3.62E-13	75	1.73E-09
103	0.6240	135	1.61E-06	43	1.02E-15	243	6.41E-05	4	3.72E-13	206	1.73E-09
104	0.6200	133	1.63E-06	21	1.02E-15	154	6.63E-05	130	3.82E-13	149	1.75E-09
105	0.6160	17	1.63E-06	136	1.03E-15	214	6.72E-05	96	3.88E-13	199	1.85E-09
106	0.6120	104	1.67E-06	105	1.04E-15	46	6.73E-05	148	4.38E-13	173	1.91E-09
107	0.6080	228	1.67E-06	191	1.06E-15	36	7.09E-05	159	4.39E-13	213	2.04E-09

Row	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX
7	vector	U234de	vector	Th230de	vector	Ra226de	vector	Pb210de	vector	I129de	vector	Tc99de
8	unitless	rem/yr	unitless	rem/yr	unitless	rem/yr	unitless	rem/yr	unitless	rem/yr	unitless	rem/yr
9	1	0.00E+00	1	0.00E+00	1	0.00E+00	1	0.00E+00	44	2.61E-07	89	0.00E+00
10	2	0.00E+00	2	0.00E+00	2	0.00E+00	2	0.00E+00	153	5.93E-07	119	0.00E+00
11	3	0.00E+00	3	0.00E+00	3	0.00E+00	3	0.00E+00	50	7.49E-07	188	0.00E+00
12	5	0.00E+00	5	0.00E+00	5	0.00E+00	5	0.00E+00	135	8.43E-07	35	4.39E-15
13	7	0.00E+00	7	0.00E+00	7	0.00E+00	7	0.00E+00	25	1.10E-06	27	8.25E-14
14	8	0.00E+00	8	0.00E+00	8	0.00E+00	8	0.00E+00	225	1.66E-06	145	8.89E-14
15	10	0.00E+00	10	0.00E+00	10	0.00E+00	10	0.00E+00	180	2.52E-06	218	3.99E-13
16	12	0.00E+00	12	0.00E+00	12	0.00E+00	12	0.00E+00	167	3.10E-06	73	3.57E-12
17	13	0.00E+00	13	0.00E+00	13	0.00E+00	13	0.00E+00	84	3.26E-06	64	4.57E-12
18	17	0.00E+00	17	0.00E+00	17	0.00E+00	17	0.00E+00	199	3.29E-06	20	8.89E-12
19	19	0.00E+00	19	0.00E+00	19	0.00E+00	19	0.00E+00	188	4.11E-06	36	2.84E-11
20	20	0.00E+00	20	0.00E+00	20	0.00E+00	20	0.00E+00	74	4.13E-06	98	3.27E-11
21	21	0.00E+00	21	0.00E+00	21	0.00E+00	21	0.00E+00	106	5.16E-06	136	3.58E-11
22	22	0.00E+00	22	0.00E+00	22	0.00E+00	22	0.00E+00	176	6.28E-06	242	7.23E-11
23	23	0.00E+00	25	0.00E+00	25	0.00E+00	25	0.00E+00	211	6.73E-06	127	9.01E-11
24	25	0.00E+00	26	0.00E+00	26	0.00E+00	26	0.00E+00	20	6.83E-06	212	1.68E-10
25	26	0.00E+00	27	0.00E+00	27	0.00E+00	27	0.00E+00	4	7.62E-06	66	2.18E-10
26	27	0.00E+00	28	0.00E+00	28	0.00E+00	28	0.00E+00	81	7.64E-06	159	2.48E-10
27	28	0.00E+00	30	0.00E+00	30	0.00E+00	30	0.00E+00	193	8.69E-06	167	6.90E-10
28	30	0.00E+00	33	0.00E+00	33	0.00E+00	33	0.00E+00	248	9.25E-06	197	8.06E-10
29	33	0.00E+00	34	0.00E+00	34	0.00E+00	34	0.00E+00	144	9.35E-06	125	1.37E-09
30	34	0.00E+00	35	0.00E+00	35	0.00E+00	35	0.00E+00	154	9.49E-06	39	1.53E-09
31	35	0.00E+00	36	0.00E+00	36	0.00E+00	35	0.00E+00	29	1.06E-05	128	1.67E-09
32	36	0.00E+00	37	0.00E+00	37	0.00E+00	37	0.00E+00	2	1.16E-05	86	2.23E-09
33	37	0.00E+00	38	0.00E+00	38	0.00E+00	38	0.00E+00	107	1.40E-05	149	3.34E-09
34	38	0.00E+00	39	0.00E+00	39	0.00E+00	39	0.00E+00	47	1.51E-05	234	3.79E-09
35	39	0.00E+00	40	0.00E+00	40	0.00E+00	40	0.00E+00	116	1.56E-05	90	3.94E-09
36	40	0.00E+00	42	0.00E+00	42	0.00E+00	42	0.00E+00	36	1.61E-05	22	4.32E-09
37	42	0.00E+00	43	0.00E+00	43	0.00E+00	43	0.00E+00	102	1.66E-05	91	4.99E-09
38	43	0.00E+00	44	0.00E+00	44	0.00E+00	44	0.00E+00	77	1.79E-05	59	5.51E-09
39	45	0.00E+00	45	0.00E+00	45	0.00E+00	45	0.00E+00	128	1.82E-05	163	6.23E-09
40	47	0.00E+00	47	0.00E+00	47	0.00E+00	47	0.00E+00	105	1.92E-05	115	6.25E-09
41	48	0.00E+00	49	0.00E+00	49	0.00E+00	49	0.00E+00	123	1.94E-05	9	9.06E-09
42	49	0.00E+00	50	0.00E+00	50	0.00E+00	50	0.00E+00	162	2.02E-05	31	9.10E-09
43	50	0.00E+00	52	0.00E+00	52	0.00E+00	52	0.00E+00	16	2.09E-05	180	9.86E-09
44	52	0.00E+00	53	0.00E+00	53	0.00E+00	53	0.00E+00	150	2.17E-05	80	1.08E-08
45	53	0.00E+00	54	0.00E+00	54	0.00E+00	54	0.00E+00	243	2.40E-05	228	1.42E-08
46	54	0.00E+00	55	0.00E+00	55	0.00E+00	55	0.00E+00	45	2.43E-05	132	1.45E-08
47	55	0.00E+00	57	0.00E+00	57	0.00E+00	57	0.00E+00	149	2.44E-05	121	1.66E-08
48	57	0.00E+00	58	0.00E+00	58	0.00E+00	58	0.00E+00	101	2.56E-05	200	1.81E-08
49	58	0.00E+00	59	0.00E+00	59	0.00E+00	59	0.00E+00	230	2.57E-05	46	1.82E-08
50	59	0.00E+00	60	0.00E+00	60	0.00E+00	60	0.00E+00	223	2.60E-05	222	2.06E-08
51	60	0.00E+00	61	0.00E+00	61	0.00E+00	61	0.00E+00	143	2.64E-05	82	2.32E-08
52	61	0.00E+00	62	0.00E+00	62	0.00E+00	62	0.00E+00	113	2.70E-05	171	3.18E-08
53	63	0.00E+00	63	0.00E+00	63	0.00E+00	63	0.00E+00	31	2.79E-05	43	3.26E-08
54	64	0.00E+00	64	0.00E+00	64	0.00E+00	64	0.00E+00	229	2.81E-05	178	3.69E-08
55	65	0.00E+00	65	0.00E+00	65	0.00E+00	65	0.00E+00	189	2.82E-05	131	4.05E-08
56	66	0.00E+00	66	0.00E+00	66	0.00E+00	66	0.00E+00	118	2.83E-05	83	4.38E-08
57	67	0.00E+00	67	0.00E+00	67	0.00E+00	67	0.00E+00	205	2.92E-05	133	4.41E-08
58	69	0.00E+00	69	0.00E+00	69	0.00E+00	68	0.00E+00	218	3.03E-05	14	7.10E-08
59	70	0.00E+00	70	0.00E+00	70	0.00E+00	69	0.00E+00	54	3.03E-05	52	8.67E-08
60	71	0.00E+00	71	0.00E+00	71	0.00E+00	70	0.00E+00	237	3.19E-05	168	8.69E-08
61	72	0.00E+00	72	0.00E+00	72	0.00E+00	71	0.00E+00	112	3.23E-05	16	9.53E-08
62	73	0.00E+00	73	0.00E+00	73	0.00E+00	72	0.00E+00	173	3.27E-05	44	1.12E-07
63	74	0.00E+00	74	0.00E+00	74	0.00E+00	73	0.00E+00	183	3.32E-05	104	1.51E-07
64	75	0.00E+00	76	0.00E+00	76	0.00E+00	74	0.00E+00	82	3.32E-05	78	1.68E-07
65	76	0.00E+00	77	0.00E+00	77	0.00E+00	76	0.00E+00	216	3.34E-05	143	1.90E-07
66	77	0.00E+00	78	0.00E+00	78	0.00E+00	77	0.00E+00	103	3.38E-05	96	2.03E-07
67	78	0.00E+00	79	0.00E+00	79	0.00E+00	78	0.00E+00	23	3.48E-05	199	2.29E-07
68	79	0.00E+00	80	0.00E+00	80	0.00E+00	79	0.00E+00	13	3.67E-05	202	2.39E-07
69	80	0.00E+00	81	0.00E+00	81	0.00E+00	80	0.00E+00	9	3.72E-05	231	2.53E-07
70	81	0.00E+00	86	0.00E+00	86	0.00E+00	81	0.00E+00	179	3.73E-05	229	2.55E-07
71	86	0.00E+00	87	0.00E+00	87	0.00E+00	86	0.00E+00	155	3.82E-05	81	2.63E-07
72	87	0.00E+00	88	0.00E+00	88	0.00E+00	87	0.00E+00	214	3.89E-05	34	2.72E-07
73	88	0.00E+00	93	0.00E+00	91	0.00E+00	88	0.00E+00	14	3.97E-05	144	2.99E-07
74	91	0.00E+00	95	0.00E+00	92	0.00E+00	91	0.00E+00	191	3.99E-05	107	3.33E-07
75	93	0.00E+00	96	0.00E+00	93	0.00E+00	92	0.00E+00	49	4.11E-05	235	3.51E-07
76	95	0.00E+00	97	0.00E+00	95	0.00E+00	93	0.00E+00	146	4.15E-05	174	3.69E-07
77	96	0.00E+00	99	0.00E+00	96	0.00E+00	95	0.00E+00	159	4.46E-05	189	3.82E-07
78	97	0.00E+00	101	0.00E+00	97	0.00E+00	96	0.00E+00	227	4.67E-05	154	3.86E-07
79	99	0.00E+00	104	0.00E+00	99	0.00E+00	97	0.00E+00	140	4.88E-05	245	4.41E-07
80	101	0.00E+00	105	0.00E+00	101	0.00E+00	99	0.00E+00	215	4.96E-05	142	4.84E-07
81	104	0.00E+00	106	0.00E+00	104	0.00E+00	101	0.00E+00	133	4.99E-05	45	5.16E-07
82	105	0.00E+00	107	0.00E+00	105	0.00E+00	104	0.00E+00	83	5.01E-05	170	6.37E-07
83	106	0.00E+00	109	0.00E+00	106	0.00E+00	105	0.00E+00	170	5.10E-05	248	6.75E-07
84	107	0.00E+00	110	0.00E+00	107	0.00E+00	106	0.00E+00	26	5.19E-05	23	6.80E-07
85	110	0.00E+00	111	0.00E+00	109	0.00E+00	107	0.00E+00	98	5.20E-05	71	6.99E-07
86	111	0.00E+00	113	0.00E+00	110	0.00E+00	109	0.00E+00	57	5.22E-05	108	7.89E-07
87	113	0.00E+00	114	0.00E+00	111	0.00E+00	110	0.00E+00	68	5.25E-05	50	8.12E-07
88	114	0.00E+00	115	0.00E+00	113	0.00E+00	111	0.00E+00	80	5.28E-05	74	8.42E-07
89	115	0.00E+00	117	0.00E+00	114	0.00E+00	113	0.00E+00	7	5.30E-05	40	8.81E-07
90	117	0.00E+00	118	0.00E+00	115	0.00E+00	114	0.00E+00	245	5.33E-05	241	9.02E-07
91	118	0.00E+00	119	0.00E+00	117	0.00E+00	115	0.00E+00	59	5.38E-05	173	1.04E-06
92	119	0.00E+00	120	0.00E+00	118	0.00E+00	117	0.00E+00	166	5.48E-05	182	1.10E-06
93	120	0.00E+00	121	0.00E+00	119	0.00E+00	118	0.00E+00	250	5.58E-05	153	1.11E-06
94	121	0.00E+00	122	0.00E+00	120	0.00E+00	119	0.00E+00	172	5.61E-05	150	1.17E-06
95	122	0.00E+00	123	0.00E+00	121	0.00E+00	120	0.00E+00	194	5.61E-05	122	1.19E-06
96	123	0.00E+00	124	0.00E+00	122	0.00E+00	121	0.00E+00	171	5.64E-05	25	1.56E-06
97	124	0.00E+00	125	0.00E+00	123	0.00E+00	122	0.00E+00	117	5.77E-05	111	1.58E-06
98	125	0.00E+00	127	0.00E+00	124	0.00E+00	123	0.00E+00	19	5.81E-05	118	1.83E-06
99	127	0.00E+00	130	0.00E+00	125	0.00E+00	124	0.00E+00	88	5.94E-05	193	1.90E-06
100	130	0.00E+00	131	0.00E+00	127	0.00E+00	125	0.00E+00	96	6.03E-05	207	1.99E-06
101	131	0.00E+00	132	0.00E+00	130	0.00E+00	127	0.00E+00	3	6.08E-05	6	2.20E-06
102	132	0.00E+00	133	0.00E+00	131	0.00E+00	130	0.00E+00	241	6.17E-05	135	2.23E-06
103	133	0.00E+00	134	0.00E+00	132	0.00E+00	131	0.00E+00	111	6.42E-05	225	2.37E-06
104	134	0.00E+00	135	0.00E+00	133	0.00E+00	132	0.00E+00	181	6.56E-05	18	2.38E-06
105	135	0.00E+00	136	0.00E+00	134	0.00E+00	133	0.00E+00	164	6.72E-05	164	2.56E-06
106	136	0.00E+00	137	0.00E+00	135	0.00E+00	134	0.00E+00	42	6.85E-05	116	2.57E-06
107	137	0.00E+00	138	0.00E+00	136	0.00E+00	135	0.00E+00	15	6.96E-05	114	2.73E-06

Row	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH
7	vector	Ni59de	vector	Se79de	vector	Cl36de	vector	timedwpk	vector	dmkh20
8	unitless	rem/yr	unitless	rem/yr	unitless	rem/yr	unitless	yr	unitless	rem/yr
9	3	0.00E+00	3	0.00E+00	44	5.34E-09	188	5.96E+03	44	3.22E-07
10	8	0.00E+00	6	0.00E+00	50	1.20E-08	135	9.10E+03	153	1.49E-06
11	9	0.00E+00	8	0.00E+00	25	1.31E-08	180	9.10E+03	167	2.07E-06
12	10	0.00E+00	10	0.00E+00	153	1.34E-08	199	1.46E+04	50	3.08E-06
13	12	0.00E+00	14	0.00E+00	225	2.46E-08	50	1.75E+04	225	3.28E-06
14	13	0.00E+00	15	0.00E+00	135	2.56E-08	197	1.75E+04	144	4.10E-06
15	15	0.00E+00	18	0.00E+00	84	4.14E-08	5	1.92E+04	248	4.56E-06
16	16	0.00E+00	21	0.00E+00	199	5.54E-08	27	1.92E+04	74	5.35E-06
17	17	0.00E+00	26	0.00E+00	167	5.96E-08	34	1.92E+04	106	7.70E-06
18	20	0.00E+00	27	0.00E+00	188	8.04E-08	137	1.92E+04	128	7.74E-06
19	22	0.00E+00	28	0.00E+00	176	8.08E-08	139	1.92E+04	135	7.83E-06
20	24	0.00E+00	34	0.00E+00	4	8.57E-08	67	1.96E+04	29	1.12E-05
21	25	0.00E+00	35	0.00E+00	180	9.35E-08	177	1.96E+04	199	1.33E-05
22	32	0.00E+00	37	0.00E+00	74	1.04E-07	182	2.01E+04	150	1.38E-05
23	33	0.00E+00	41	0.00E+00	106	1.15E-07	211	2.01E+04	81	1.44E-05
24	34	0.00E+00	42	0.00E+00	2	1.35E-07	21	2.06E+04	193	1.46E-05
25	39	0.00E+00	47	0.00E+00	29	1.56E-07	37	2.06E+04	20	1.50E-05
26	40	0.00E+00	53	0.00E+00	20	1.65E-07	111	2.06E+04	143	1.70E-05
27	41	0.00E+00	61	0.00E+00	248	1.68E-07	73	2.11E+04	229	1.73E-05
28	42	0.00E+00	63	0.00E+00	144	1.86E-07	97	2.11E+04	162	1.89E-05
29	43	0.00E+00	64	0.00E+00	193	2.04E-07	140	2.11E+04	230	2.24E-05
30	45	0.00E+00	66	0.00E+00	47	2.13E-07	156	2.11E+04	118	2.36E-05
31	46	0.00E+00	67	0.00E+00	116	2.29E-07	163	2.11E+04	101	2.46E-05
32	48	0.00E+00	68	0.00E+00	105	2.38E-07	173	2.11E+04	103	2.52E-05
33	49	0.00E+00	70	0.00E+00	102	2.56E-07	232	2.11E+04	180	2.54E-05
34	50	0.00E+00	71	0.00E+00	162	2.79E-07	240	2.11E+04	188	2.54E-05
35	51	0.00E+00	72	0.00E+00	81	2.82E-07	53	2.17E+04	245	3.00E-05
36	52	0.00E+00	74	0.00E+00	128	3.16E-07	227	2.17E+04	102	3.04E-05
37	53	0.00E+00	80	0.00E+00	230	3.46E-07	20	2.22E+04	31	3.13E-05
38	54	0.00E+00	83	0.00E+00	150	3.78E-07	43	2.22E+04	113	3.24E-05
39	55	0.00E+00	84	0.00E+00	112	3.92E-07	168	2.22E+04	159	3.31E-05
40	56	0.00E+00	85	0.00E+00	216	4.31E-07	193	2.22E+04	202	3.34E-05
41	58	0.00E+00	87	0.00E+00	16	4.33E-07	205	2.22E+04	170	3.39E-05
42	60	0.00E+00	88	0.00E+00	113	4.36E-07	242	2.22E+04	68	3.40E-05
43	61	0.00E+00	94	0.00E+00	82	4.39E-07	16	2.28E+04	14	3.41E-05
44	62	0.00E+00	96	0.00E+00	9	4.45E-07	18	2.28E+04	23	3.67E-05
45	63	0.00E+00	100	0.00E+00	123	4.61E-07	198	2.28E+04	54	3.79E-05
46	64	0.00E+00	104	0.00E+00	211	4.61E-07	59	2.35E+04	191	3.84E-05
47	65	0.00E+00	105	0.00E+00	179	4.65E-07	174	2.35E+04	16	3.95E-05
48	66	0.00E+00	106	0.00E+00	101	5.46E-07	184	2.35E+04	123	4.14E-05
49	67	0.00E+00	109	0.00E+00	146	5.50E-07	195	2.35E+04	154	4.41E-05
50	69	0.00E+00	111	0.00E+00	183	5.55E-07	206	2.35E+04	211	4.45E-05
51	72	0.00E+00	114	0.00E+00	77	5.69E-07	10	2.41E+04	149	4.47E-05
52	74	0.00E+00	118	0.00E+00	191	5.93E-07	11	2.41E+04	215	4.55E-05
53	75	0.00E+00	119	0.00E+00	103	6.08E-07	13	2.41E+04	25	4.73E-05
54	76	0.00E+00	121	0.00E+00	26	6.12E-07	64	2.41E+04	36	4.77E-05
55	78	0.00E+00	122	0.00E+00	31	6.15E-07	69	2.41E+04	77	4.90E-05
56	79	0.00E+00	124	0.00E+00	118	6.19E-07	74	2.41E+04	183	4.92E-05
57	80	0.00E+00	125	0.00E+00	143	6.21E-07	78	2.41E+04	200	4.97E-05
58	81	0.00E+00	127	0.00E+00	215	6.65E-07	90	2.41E+04	133	5.05E-05
59	84	0.00E+00	129	0.00E+00	250	6.67E-07	107	2.41E+04	45	5.08E-05
60	87	0.00E+00	139	0.00E+00	54	6.67E-07	108	2.41E+04	107	5.41E-05
61	89	0.00E+00	140	0.00E+00	171	6.70E-07	114	2.41E+04	223	5.45E-05
62	90	0.00E+00	142	0.00E+00	14	6.80E-07	117	2.41E+04	122	5.51E-05
63	92	0.00E+00	148	0.00E+00	57	6.82E-07	121	2.41E+04	214	5.76E-05
64	95	0.00E+00	152	0.00E+00	7	6.92E-07	123	2.41E+04	243	6.14E-05
65	99	0.00E+00	153	0.00E+00	229	7.33E-07	136	2.41E+04	88	6.35E-05
66	100	0.00E+00	162	0.00E+00	42	7.34E-07	172	2.41E+04	194	6.46E-05
67	101	0.00E+00	168	0.00E+00	62	7.53E-07	207	2.41E+04	228	6.50E-05
68	105	0.00E+00	170	0.00E+00	192	7.68E-07	233	2.41E+04	96	7.23E-05
69	107	0.00E+00	172	0.00E+00	3	7.83E-07	237	2.41E+04	189	7.39E-05
70	110	0.00E+00	177	0.00E+00	241	7.84E-07	243	2.41E+04	212	7.63E-05
71	111	0.00E+00	178	0.00E+00	181	8.09E-07	85	2.48E+04	119	7.79E-05
72	114	0.00E+00	180	0.00E+00	243	8.12E-07	151	2.48E+04	218	7.98E-05
73	117	0.00E+00	182	0.00E+00	48	8.23E-07	154	2.48E+04	157	8.10E-05
74	119	0.00E+00	185	0.00E+00	23	8.27E-07	31	2.55E+04	201	8.13E-05
75	121	0.00E+00	186	0.00E+00	107	8.45E-07	35	2.55E+04	58	8.42E-05
76	122	0.00E+00	188	0.00E+00	164	8.78E-07	61	2.55E+04	132	8.51E-05
77	123	0.00E+00	189	0.00E+00	109	9.33E-07	83	2.55E+04	40	8.58E-05
78	124	0.00E+00	191	0.00E+00	154	9.38E-07	125	2.55E+04	104	8.74E-05
79	125	0.00E+00	199	0.00E+00	223	9.41E-07	127	2.55E+04	59	8.77E-05
80	131	0.00E+00	205	0.00E+00	94	1.01E-06	155	2.55E+04	15	8.82E-05
81	132	0.00E+00	206	0.00E+00	134	1.03E-06	169	2.55E+04	171	8.96E-05
82	133	0.00E+00	208	0.00E+00	33	1.06E-06	208	2.55E+04	80	8.97E-05
83	134	0.00E+00	209	0.00E+00	87	1.06E-06	219	2.55E+04	98	9.35E-05
84	135	0.00E+00	210	0.00E+00	140	1.09E-06	222	2.55E+04	84	9.39E-05
85	138	0.00E+00	211	0.00E+00	218	1.10E-06	223	2.55E+04	140	9.42E-05
86	139	0.00E+00	213	0.00E+00	205	1.11E-06	239	2.55E+04	172	9.51E-05
87	140	0.00E+00	214	0.00E+00	214	1.11E-06	30	2.63E+04	238	9.55E-05
88	141	0.00E+00	220	0.00E+00	149	1.12E-06	70	2.63E+04	234	9.62E-05
89	142	0.00E+00	222	0.00E+00	133	1.14E-06	80	2.63E+04	28	9.79E-05
90	143	0.00E+00	227	0.00E+00	88	1.14E-06	81	2.63E+04	78	1.00E-04
91	144	0.00E+00	229	0.00E+00	68	1.19E-06	96	2.63E+04	173	1.02E-04
92	146	0.00E+00	232	0.00E+00	159	1.21E-06	142	2.63E+04	134	1.07E-04
93	147	0.00E+00	233	0.00E+00	172	1.25E-06	6	2.71E+04	91	1.09E-04
94	148	0.00E+00	235	0.00E+00	160	1.27E-06	15	2.71E+04	204	1.09E-04
95	149	0.00E+00	236	0.00E+00	189	1.27E-06	56	2.71E+04	210	1.11E-04
96	152	0.00E+00	243	0.00E+00	173	1.31E-06	89	2.71E+04	108	1.14E-04
97	153	0.00E+00	249	0.00E+00	13	1.32E-06	95	2.71E+04	83	1.14E-04
98	154	0.00E+00	40	6.76E-26	155	1.34E-06	178	2.71E+04	205	1.15E-04
99	155	0.00E+00	117	1.44E-24	224	1.34E-06	186	2.71E+04	231	1.16E-04
100	157	0.00E+00	190	4.50E-23	245	1.42E-06	209	2.71E+04	155	1.17E-04
101	158	0.00E+00	141	4.56E-23	210	1.43E-06	246	2.71E+04	51	1.19E-04
102	160	0.00E+00	248	8.39E-23	190	1.43E-06	8	2.79E+04	49	1.20E-04
103	161	0.00E+00	238	2.41E-19	98	1.45E-06	22	2.79E+04	13	1.20E-04
104	163	0.00E+00	181	5.09E-19	249	1.49E-06	47	2.79E+04	151	1.21E-04
105	168	0.00E+00	55	1.11E-18	194	1.49E-06	93	2.79E+04	161	1.22E-04
106	170	0.00E+00	91	1.25E-17	217	1.51E-06	130	2.79E+04	221	1.22E-04
107	171	0.00E+00	212	4.16E-17	45	1.52E-06	131	2.79E+04	236	1.32E-04

Sorted results from pg. 142: Sorted for each RN

	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL
108	0.6040	148	1.68E-06	130	1.09E-15	223	7.28E-05	83	4.47E-13	240	2.06E-09
109	0.6000	213	1.68E-06	77	1.09E-15	45	7.31E-05	7	4.47E-13	114	2.06E-09
110	0.5960	194	1.79E-06	197	1.10E-15	228	7.42E-05	179	4.57E-13	8	2.25E-09
111	0.5920	214	1.87E-06	54	1.16E-15	51	7.48E-05	11	4.58E-13	169	2.33E-09
112	0.5880	149	1.95E-06	142	1.18E-15	107	7.67E-05	48	4.61E-13	96	2.34E-09
113	0.5840	123	1.98E-06	151	1.21E-15	221	7.68E-05	242	4.65E-13	90	2.35E-09
114	0.5800	40	1.99E-06	128	1.23E-15	201	7.70E-05	102	4.84E-13	177	2.46E-09
115	0.5760	45	2.02E-06	184	1.26E-15	157	7.82E-05	43	5.04E-13	21	2.49E-09
116	0.5720	161	2.12E-06	110	1.36E-15	124	7.90E-05	188	5.07E-13	106	2.60E-09
117	0.5680	204	2.22E-06	120	1.43E-15	204	8.51E-05	171	5.12E-13	231	2.63E-09
118	0.5640	119	2.23E-06	38	1.47E-15	104	8.66E-05	174	5.25E-13	27	2.73E-09
119	0.5600	231	2.24E-06	119	1.48E-15	212	8.68E-05	97	5.44E-13	127	2.74E-09
120	0.5560	212	2.26E-06	169	1.49E-15	40	8.83E-05	28	5.46E-13	165	2.89E-09
121	0.5520	75	2.29E-06	245	1.51E-15	234	8.84E-05	243	5.64E-13	232	2.89E-09
122	0.5480	201	2.40E-06	186	1.61E-15	55	9.14E-05	166	6.02E-13	93	2.94E-09
123	0.5440	49	2.40E-06	196	1.61E-15	15	9.35E-05	184	6.03E-13	212	2.97E-09
124	0.5400	175	2.42E-06	28	1.73E-15	213	9.40E-05	42	6.23E-13	147	3.09E-09
125	0.5360	199	2.44E-06	250	1.77E-15	96	9.41E-05	34	6.30E-13	157	3.12E-09
126	0.5320	234	2.46E-06	26	1.78E-15	28	9.50E-05	90	6.49E-13	63	3.17E-09
127	0.5280	16	2.46E-06	79	1.84E-15	132	9.70E-05	133	6.61E-13	85	3.18E-09
128	0.5240	154	2.57E-06	201	1.91E-15	119	9.79E-05	111	6.96E-13	115	3.21E-09
129	0.5200	28	2.65E-06	222	1.97E-15	17	9.85E-05	136	7.04E-13	11	3.25E-09
130	0.5160	152	2.69E-06	141	2.00E-15	49	9.86E-05	17	7.08E-13	73	3.29E-09
131	0.5120	223	2.70E-06	232	2.04E-15	120	1.03E-04	229	7.22E-13	141	3.31E-09
132	0.5080	243	2.71E-06	198	2.05E-15	189	1.09E-04	134	7.82E-13	61	3.41E-09
133	0.5040	220	2.81E-06	179	2.10E-15	32	1.09E-04	161	8.00E-13	163	3.64E-09
134	0.5000	189	2.82E-06	19	2.12E-15	172	1.10E-04	105	8.09E-13	123	3.70E-09
135	0.4960	110	2.82E-06	22	2.12E-15	203	1.11E-04	53	8.14E-13	13	3.72E-09
136	0.4920	132	3.03E-06	76	2.17E-15	218	1.12E-04	190	8.18E-13	66	3.74E-09
137	0.4880	15	3.27E-06	99	2.21E-15	110	1.15E-04	71	8.47E-13	130	3.78E-09
138	0.4840	107	3.27E-06	168	2.40E-15	59	1.17E-04	231	8.47E-13	111	3.82E-09
139	0.4800	96	3.29E-06	239	2.40E-15	161	1.19E-04	9	8.58E-13	32	3.86E-09
140	0.4760	211	3.37E-06	63	2.40E-15	140	1.23E-04	127	8.63E-13	178	3.87E-09
141	0.4720	19	3.53E-06	134	2.41E-15	98	1.23E-04	57	8.76E-13	83	3.93E-09
142	0.4680	218	3.54E-06	67	2.43E-15	148	1.23E-04	36	9.14E-13	38	3.93E-09
143	0.4640	71	3.64E-06	152	2.50E-15	175	1.24E-04	145	9.29E-13	218	4.00E-09
144	0.4600	91	3.87E-06	145	2.51E-15	80	1.24E-04	173	9.31E-13	86	4.02E-09
145	0.4560	244	3.90E-06	147	2.59E-15	231	1.25E-04	2	9.33E-13	145	4.17E-09
146	0.4520	52	3.95E-06	132	2.66E-15	78	1.25E-04	235	9.38E-13	140	4.20E-09
147	0.4480	92	4.05E-06	164	2.72E-15	13	1.26E-04	150	9.42E-13	137	4.26E-09
148	0.4440	158	4.09E-06	3	2.76E-15	155	1.32E-04	8	9.66E-13	244	4.45E-09
149	0.4400	38	4.17E-06	33	2.83E-15	220	1.33E-04	76	1.02E-12	49	5.04E-09
150	0.4360	39	4.25E-06	121	3.12E-15	75	1.38E-04	137	1.02E-12	219	5.09E-09
151	0.4320	80	4.35E-06	210	3.17E-15	91	1.40E-04	131	1.07E-12	187	5.25E-09
152	0.4280	65	4.44E-06	240	3.23E-15	205	1.47E-04	187	1.11E-12	92	5.30E-09
153	0.4240	1	4.57E-06	138	3.35E-15	158	1.47E-04	207	1.12E-12	186	5.33E-09
154	0.4200	172	4.67E-06	208	3.41E-15	108	1.47E-04	91	1.16E-12	59	5.36E-09
155	0.4160	100	4.74E-06	71	3.42E-15	173	1.49E-04	170	1.25E-12	22	5.52E-09
156	0.4120	24	4.86E-06	55	3.55E-15	151	1.56E-04	183	1.33E-12	125	5.54E-09
157	0.4080	155	4.92E-06	220	3.55E-15	71	1.60E-04	180	1.35E-12	133	5.58E-09
158	0.4040	13	4.93E-06	4	3.64E-15	244	1.60E-04	247	1.35E-12	64	5.82E-09
159	0.4000	59	5.01E-06	241	3.67E-15	83	1.64E-04	89	1.38E-12	24	6.46E-09
160	0.3960	98	5.26E-06	156	3.68E-15	209	1.65E-04	88	1.54E-12	210	6.57E-09
161	0.3920	78	5.30E-06	183	3.68E-15	233	1.66E-04	182	1.58E-12	205	6.60E-09
162	0.3880	165	5.41E-06	207	3.85E-15	19	1.68E-04	226	1.67E-12	52	7.00E-09
163	0.3840	185	5.64E-06	178	3.93E-15	39	1.74E-04	92	1.70E-12	161	7.02E-09
164	0.3800	180	5.94E-06	48	4.44E-15	92	1.77E-04	46	1.71E-12	35	7.10E-09
165	0.3760	83	6.05E-06	166	4.51E-15	100	1.80E-04	121	1.75E-12	80	7.10E-09
166	0.3720	209	6.08E-06	225	4.54E-15	1	1.86E-04	140	1.76E-12	155	7.25E-09
167	0.3680	166	6.12E-06	215	4.66E-15	127	1.87E-04	175	1.83E-12	19	7.65E-09
168	0.3640	108	6.27E-06	65	4.87E-15	166	1.93E-04	149	1.85E-12	174	7.88E-09
169	0.3600	151	6.36E-06	165	4.93E-15	165	1.94E-04	129	1.87E-12	69	8.10E-09
170	0.3560	72	6.46E-06	235	4.96E-15	24	1.98E-04	110	1.93E-12	117	8.44E-09
171	0.3520	129	6.54E-06	37	5.03E-15	117	2.00E-04	177	2.01E-12	182	8.58E-09
172	0.3480	140	6.58E-06	163	5.17E-15	232	2.00E-04	12	2.22E-12	18	8.67E-09
173	0.3440	63	6.80E-06	12	5.47E-15	52	2.01E-04	209	2.25E-12	148	8.93E-09
174	0.3400	79	6.92E-06	27	5.77E-15	63	2.06E-04	81	2.28E-12	198	9.83E-09
175	0.3360	188	7.03E-06	8	5.97E-15	79	2.09E-04	223	2.28E-12	51	1.03E-08
176	0.3320	233	7.10E-06	127	5.99E-15	125	2.11E-04	249	2.29E-12	222	1.04E-08
177	0.3280	205	7.11E-06	87	6.39E-15	38	2.13E-04	33	2.34E-12	166	1.05E-08
178	0.3240	127	7.27E-06	238	6.46E-15	168	2.15E-04	119	2.38E-12	94	1.09E-08
179	0.3200	173	7.69E-06	247	6.80E-15	152	2.17E-04	56	2.42E-12	131	1.10E-08
180	0.3160	8	7.92E-06	97	7.07E-15	195	2.17E-04	205	2.56E-12	223	1.11E-08
181	0.3120	12	7.95E-06	139	7.22E-15	53	2.18E-04	185	2.60E-12	56	1.13E-08
182	0.3080	30	8.03E-06	69	7.26E-15	30	2.29E-04	30	2.74E-12	208	1.16E-08
183	0.3040	125	8.21E-06	73	7.31E-15	240	2.33E-04	18	2.75E-12	152	1.19E-08
184	0.3000	117	8.50E-06	177	7.55E-15	129	2.35E-04	104	2.86E-12	41	1.22E-08
185	0.2960	66	8.59E-06	115	7.66E-15	65	2.47E-04	206	2.94E-12	227	1.24E-08
186	0.2920	195	9.63E-06	35	7.75E-15	8	2.51E-04	85	3.01E-12	1	1.25E-08
187	0.2880	232	9.70E-06	9	7.96E-15	18	2.75E-04	13	3.02E-12	189	1.28E-08
188	0.2840	168	9.95E-06	137	7.96E-15	12	2.84E-04	124	3.12E-12	10	1.28E-08
189	0.2800	22	1.00E-05	216	8.31E-15	206	2.98E-04	169	3.13E-12	5	1.35E-08
190	0.2760	86	1.01E-05	62	8.48E-15	22	3.02E-04	212	3.13E-12	89	1.35E-08
191	0.2720	235	1.04E-05	1	9.42E-15	242	3.04E-04	219	3.19E-12	126	1.38E-08
192	0.2680	130	1.05E-05	219	9.74E-15	85	3.06E-04	172	3.35E-12	97	1.45E-08
193	0.2640	196	1.06E-05	94	9.82E-15	72	3.07E-04	69	3.35E-12	98	1.51E-08
194	0.2600	115	1.13E-05	64	9.90E-15	235	3.13E-04	115	3.35E-12	110	1.52E-08
195	0.2560	138	1.14E-05	109	1.01E-14	130	3.14E-04	132	3.36E-12	138	1.59E-08
196	0.2520	53	1.16E-05	42	1.02E-14	185	3.14E-04	63	3.39E-12	37	1.59E-08
197	0.2480	187	1.16E-05	173	1.07E-14	35	3.17E-04	126	3.47E-12	6	1.89E-08
198	0.2440	35	1.17E-05	224	1.09E-14	177	3.31E-04	227	3.54E-12	156	1.95E-08
199	0.2400	89	1.19E-05	131	1.10E-14	90	3.32E-04	1	3.64E-12	185	2.26E-08
200	0.2360	85	1.19E-05	242	1.14E-14	237	3.38E-04	189	3.71E-12	95	2.36E-08
201	0.2320	41	1.20E-05	92	1.20E-14	11	3.38E-04	210	3.76E-12	139	2.37E-08
202	0.2280	240	1.21E-05	203	1.30E-14	89	3.39E-04	120	3.79E-12	196	2.38E-08
203	0.2240	131	1.22E-05	180	1.41E-14	34	3.50E-04	65	3.83E-12	142	2.57E-08
204	0.2200	206	1.27E-05	10	1.55E-14	169	3.57E-04	234	3.84E-12	72	2.63E-08
205	0.2160	18	1.28E-05	32	1.65E-14	70	3.57E-04	45	3.95E-12	99	2.68E-08
206	0.2120	70	1.31E-05	249	1.65E-14	86	3.63E-04	244	4.12E-12	150	3.39E-08
207	0.2080	141	1.32E-05	185	1.77E-14	136	3.64E-04	35	4.30E-12	226	3.54E-08
208	0.2040	90	1.35E-05	57	1.79E-14	43	3.81E-04	151	4.34E-12	235	4.29E-08
209	0.2000	56	1.36E-05	61	1.88E-14	196	3.81E-04	139	4.43E-12	68	4.94E-07
210	0.1960	169	1.39E-05	95	2.06E-14	138	3.84E-04	178	4.51E-12	102	2.18E-06
211	0.1920	147	1.42E-05	90	2.29E-14	227	3.86E-04	52	4.64E-12	17	3.17E-06
212	0.1880	237	1.42E-05	60	2.31E-14	56	3.86E-04	118	4.72E-12	229	3.74E-06
213	0.1840	61	1.43E-05	24	2.43E-14	61	3.89E-04	10	4.92E-12	124	1.43E-05
214	0.1800	11	1.44E-05	192	2.43E-14	246	3.99E-04	99	5.11E-12	191	1.62E-05

	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV
108	138	0.00E+00	140	0.00E+00	137	0.00E+00	136	0.00E+00	168	7.04E-05
109	139	0.00E+00	142	0.00E+00	138	0.00E+00	137	0.00E+00	192	7.19E-05
110	140	0.00E+00	143	0.00E+00	140	0.00E+00	138	0.00E+00	232	7.22E-05
111	141	0.00E+00	144	0.00E+00	142	0.00E+00	140	0.00E+00	48	7.22E-05
112	142	0.00E+00	145	0.00E+00	143	0.00E+00	142	0.00E+00	109	7.34E-05
113	143	0.00E+00	147	0.00E+00	144	0.00E+00	143	0.00E+00	201	7.42E-05
114	144	0.00E+00	149	0.00E+00	145	0.00E+00	144	0.00E+00	151	7.45E-05
115	145	0.00E+00	150	0.00E+00	147	0.00E+00	145	0.00E+00	200	7.53E-05
116	147	0.00E+00	151	0.00E+00	149	0.00E+00	147	0.00E+00	64	7.59E-05
117	149	0.00E+00	152	0.00E+00	150	0.00E+00	149	0.00E+00	62	7.65E-05
118	150	0.00E+00	153	0.00E+00	151	0.00E+00	150	0.00E+00	119	7.66E-05
119	151	0.00E+00	154	0.00E+00	152	0.00E+00	151	0.00E+00	233	7.69E-05
120	152	0.00E+00	155	0.00E+00	153	0.00E+00	152	0.00E+00	129	8.04E-05
121	153	0.00E+00	156	0.00E+00	154	0.00E+00	153	0.00E+00	240	8.05E-05
122	154	0.00E+00	157	0.00E+00	155	0.00E+00	154	0.00E+00	8	8.07E-05
123	155	0.00E+00	158	0.00E+00	156	0.00E+00	155	0.00E+00	100	8.27E-05
124	156	0.00E+00	159	0.00E+00	157	0.00E+00	156	0.00E+00	78	8.30E-05
125	157	0.00E+00	160	0.00E+00	158	0.00E+00	157	0.00E+00	87	8.33E-05
126	158	0.00E+00	161	0.00E+00	159	0.00E+00	158	0.00E+00	33	8.41E-05
127	159	0.00E+00	162	0.00E+00	160	0.00E+00	159	0.00E+00	61	8.44E-05
128	160	0.00E+00	163	0.00E+00	161	0.00E+00	160	0.00E+00	228	8.56E-05
129	161	0.00E+00	164	0.00E+00	162	0.00E+00	161	0.00E+00	134	8.64E-05
130	162	0.00E+00	165	0.00E+00	163	0.00E+00	162	0.00E+00	67	8.78E-05
131	163	0.00E+00	166	0.00E+00	164	0.00E+00	163	0.00E+00	213	8.80E-05
132	164	0.00E+00	167	0.00E+00	165	0.00E+00	164	0.00E+00	244	8.83E-05
133	165	0.00E+00	168	0.00E+00	166	0.00E+00	165	0.00E+00	28	8.91E-05
134	166	0.00E+00	169	0.00E+00	167	0.00E+00	166	0.00E+00	202	9.12E-05
135	167	0.00E+00	170	0.00E+00	168	0.00E+00	167	0.00E+00	108	9.28E-05
136	168	0.00E+00	171	0.00E+00	169	0.00E+00	168	0.00E+00	58	9.38E-05
137	169	0.00E+00	172	0.00E+00	170	0.00E+00	169	0.00E+00	156	9.38E-05
138	170	0.00E+00	173	0.00E+00	171	0.00E+00	170	0.00E+00	145	9.38E-05
139	171	0.00E+00	176	0.00E+00	172	0.00E+00	171	0.00E+00	160	9.50E-05
140	172	0.00E+00	177	0.00E+00	173	0.00E+00	172	0.00E+00	91	9.67E-05
141	173	0.00E+00	178	0.00E+00	176	0.00E+00	173	0.00E+00	127	9.69E-05
142	176	0.00E+00	180	0.00E+00	177	0.00E+00	176	0.00E+00	130	9.72E-05
143	177	0.00E+00	181	0.00E+00	178	0.00E+00	177	0.00E+00	132	9.74E-05
144	178	0.00E+00	182	0.00E+00	180	0.00E+00	178	0.00E+00	212	9.95E-05
145	180	0.00E+00	183	0.00E+00	181	0.00E+00	180	0.00E+00	97	1.00E-04
146	181	0.00E+00	184	0.00E+00	182	0.00E+00	181	0.00E+00	122	1.00E-04
147	182	0.00E+00	185	0.00E+00	183	0.00E+00	182	0.00E+00	204	1.01E-04
148	183	0.00E+00	186	0.00E+00	184	0.00E+00	183	0.00E+00	34	1.03E-04
149	184	0.00E+00	188	0.00E+00	185	0.00E+00	184	0.00E+00	43	1.05E-04
150	185	0.00E+00	189	0.00E+00	186	0.00E+00	185	0.00E+00	157	1.06E-04
151	186	0.00E+00	191	0.00E+00	188	0.00E+00	186	0.00E+00	1	1.07E-04
152	188	0.00E+00	192	0.00E+00	189	0.00E+00	188	0.00E+00	158	1.07E-04
153	189	0.00E+00	194	0.00E+00	191	0.00E+00	189	0.00E+00	94	1.09E-04
154	191	0.00E+00	196	0.00E+00	192	0.00E+00	191	0.00E+00	52	1.10E-04
155	192	0.00E+00	197	0.00E+00	194	0.00E+00	192	0.00E+00	236	1.12E-04
156	194	0.00E+00	198	0.00E+00	196	0.00E+00	194	0.00E+00	210	1.12E-04
157	196	0.00E+00	199	0.00E+00	197	0.00E+00	196	0.00E+00	115	1.13E-04
158	197	0.00E+00	201	0.00E+00	198	0.00E+00	197	0.00E+00	207	1.14E-04
159	198	0.00E+00	203	0.00E+00	199	0.00E+00	198	0.00E+00	206	1.16E-04
160	199	0.00E+00	204	0.00E+00	201	0.00E+00	199	0.00E+00	238	1.16E-04
161	203	0.00E+00	205	0.00E+00	203	0.00E+00	201	0.00E+00	195	1.16E-04
162	204	0.00E+00	208	0.00E+00	204	0.00E+00	203	0.00E+00	75	1.19E-04
163	205	0.00E+00	209	0.00E+00	205	0.00E+00	204	0.00E+00	190	1.21E-04
164	207	0.00E+00	210	0.00E+00	208	0.00E+00	205	0.00E+00	220	1.21E-04
165	208	0.00E+00	211	0.00E+00	209	0.00E+00	208	0.00E+00	125	1.22E-04
166	209	0.00E+00	213	0.00E+00	210	0.00E+00	209	0.00E+00	53	1.24E-04
167	210	0.00E+00	214	0.00E+00	211	0.00E+00	210	0.00E+00	35	1.26E-04
168	211	0.00E+00	215	0.00E+00	213	0.00E+00	211	0.00E+00	217	1.26E-04
169	213	0.00E+00	216	0.00E+00	214	0.00E+00	213	0.00E+00	224	1.26E-04
170	214	0.00E+00	217	0.00E+00	215	0.00E+00	214	0.00E+00	161	1.27E-04
171	216	0.00E+00	218	0.00E+00	216	0.00E+00	215	0.00E+00	209	1.27E-04
172	217	0.00E+00	219	0.00E+00	217	0.00E+00	216	0.00E+00	6	1.28E-04
173	219	0.00E+00	220	0.00E+00	218	0.00E+00	217	0.00E+00	110	1.29E-04
174	220	0.00E+00	222	0.00E+00	219	0.00E+00	218	0.00E+00	114	1.33E-04
175	222	0.00E+00	223	0.00E+00	220	0.00E+00	219	0.00E+00	76	1.34E-04
176	223	0.00E+00	227	0.00E+00	222	0.00E+00	220	0.00E+00	30	1.35E-04
177	227	0.00E+00	228	0.00E+00	223	0.00E+00	222	0.00E+00	40	1.36E-04
178	228	0.00E+00	229	0.00E+00	226	0.00E+00	223	0.00E+00	60	1.37E-04
179	229	0.00E+00	230	0.00E+00	227	0.00E+00	226	0.00E+00	5	1.39E-04
180	230	0.00E+00	231	0.00E+00	228	0.00E+00	227	0.00E+00	247	1.39E-04
181	231	0.00E+00	232	0.00E+00	229	0.00E+00	228	0.00E+00	89	1.41E-04
182	232	0.00E+00	233	0.00E+00	230	0.00E+00	229	0.00E+00	249	1.42E-04
183	233	0.00E+00	234	0.00E+00	231	0.00E+00	230	0.00E+00	222	1.42E-04
184	234	0.00E+00	235	0.00E+00	232	0.00E+00	231	0.00E+00	182	1.42E-04
185	235	0.00E+00	236	0.00E+00	233	0.00E+00	232	0.00E+00	165	1.42E-04
186	236	0.00E+00	239	0.00E+00	234	0.00E+00	233	0.00E+00	234	1.44E-04
187	239	0.00E+00	240	0.00E+00	235	0.00E+00	234	0.00E+00	104	1.45E-04
188	240	0.00E+00	241	0.00E+00	236	0.00E+00	235	0.00E+00	175	1.51E-04
189	241	0.00E+00	242	0.00E+00	239	0.00E+00	236	0.00E+00	18	1.52E-04
190	242	0.00E+00	243	0.00E+00	240	0.00E+00	239	0.00E+00	17	1.53E-04
191	243	0.00E+00	247	0.00E+00	241	0.00E+00	240	0.00E+00	231	1.53E-04
192	247	0.00E+00	248	0.00E+00	242	0.00E+00	241	0.00E+00	37	1.57E-04
193	248	0.00E+00	250	0.00E+00	243	0.00E+00	242	0.00E+00	63	1.57E-04
194	250	0.00E+00	91	2.19E-24	247	0.00E+00	243	0.00E+00	92	1.58E-04
195	44	1.60E-24	92	4.63E-24	248	0.00E+00	247	0.00E+00	73	1.59E-04
196	109	3.23E-23	226	1.54E-22	250	0.00E+00	248	0.00E+00	39	1.60E-04
197	215	8.32E-23	179	7.85E-22	68	1.52E-21	250	0.00E+00	24	1.61E-04
198	62	3.77E-22	68	4.90E-21	179	2.54E-21	179	1.81E-20	51	1.61E-04
199	94	4.42E-22	32	5.50E-20	207	1.71E-20	207	8.84E-20	137	1.63E-04
200	201	1.62E-21	90	6.52E-20	224	2.52E-20	224	1.15E-19	221	1.63E-04
201	218	4.28E-20	128	8.11E-20	246	1.75E-19	246	4.30E-19	177	1.65E-04
202	92	1.04E-19	224	1.24E-19	9	2.61E-19	9	1.70E-18	27	1.68E-04
203	68	9.51E-18	245	1.61E-19	245	6.29E-19	245	1.79E-18	169	1.72E-04
204	226	2.16E-17	11	1.67E-19	90	7.34E-19	89	2.49E-18	11	1.73E-04
205	179	6.26E-17	246	3.41E-19	4	7.38E-19	4	4.34E-18	235	1.75E-04
206	224	1.62E-16	249	4.91E-19	89	7.88E-19	90	5.91E-18	90	1.75E-04
207	9	8.63E-16	195	2.16E-18	32	2.12E-18	32	8.17E-18	71	1.77E-04
208	246	3.05E-15	174	2.57E-18	128	5.45E-18	128	8.35E-18	85	1.81E-04
209	4	9.19E-15	9	2.74E-18	141	6.74E-18	225	4.03E-17	208	1.85E-04
210	245	1.11E-14	89	4.96E-18	46	7.84E-18	141	5.15E-17	187	1.88E-04
211	128	1.47E-14	126	8.08E-18	225	1.76E-17	46	5.35E-17	131	1.91E-04
212	32	1.94E-14	4	8.78E-18	11	1.83E-17	11	6.21E-17	21	2.08E-04
213	90	4.05E-14	207	9.74E-18	238	2.42E-17	238	6.80E-17	46	2.08E-04
214	225	7.32E-14	225	1.03E-17	83	3.85E-17	195	1.27E-16	12	2.10E-04

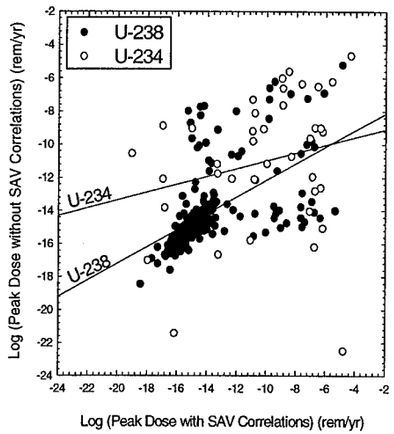
	AW	AX	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH
108	65	2.76E-06	172	0.00E+00	244	8.01E-17	15	1.52E-06	147	2.79E+04	213	1.35E-04
109	56	2.78E-06	173	0.00E+00	245	1.13E-16	59	1.54E-06	149	2.79E+04	19	1.37E-04
110	157	2.79E-06	175	0.00E+00	136	2.24E-16	213	1.55E-06	166	2.79E+04	127	1.38E-04
111	42	2.99E-06	176	0.00E+00	175	5.09E-16	170	1.62E-06	194	2.79E+04	71	1.39E-04
112	106	3.17E-06	177	0.00E+00	228	6.62E-16	201	1.64E-06	218	2.79E+04	175	1.45E-04
113	223	3.64E-06	178	0.00E+00	89	4.97E-15	151	1.68E-06	235	2.79E+04	17	1.49E-04
114	4	3.77E-06	180	0.00E+00	50	4.98E-15	60	1.69E-06	41	2.88E+04	168	1.51E-04
115	185	4.62E-06	181	0.00E+00	240	6.98E-15	96	1.71E-06	63	2.88E+04	39	1.56E-04
116	139	4.85E-06	182	0.00E+00	174	4.91E-13	247	1.74E-06	79	2.88E+04	52	1.59E-04
117	84	5.15E-06	183	0.00E+00	204	6.41E-13	76	1.77E-06	141	2.88E+04	125	1.59E-04
118	237	5.26E-06	188	0.00E+00	103	1.67E-12	232	1.78E-06	145	2.88E+04	209	1.59E-04
119	29	5.54E-06	189	0.00E+00	237	1.95E-12	80	1.79E-06	99	2.97E+04	110	1.60E-04
120	184	5.64E-06	190	0.00E+00	225	2.14E-12	28	1.81E-06	106	2.97E+04	233	1.63E-04
121	211	6.46E-06	193	0.00E+00	79	4.27E-12	78	1.91E-06	126	2.97E+04	244	1.64E-04
122	152	6.88E-06	195	0.00E+00	173	1.82E-11	200	1.91E-06	129	2.97E+04	92	1.68E-04
123	198	6.94E-06	197	0.00E+00	133	1.88E-11	49	1.98E-06	132	2.97E+04	158	1.71E-04
124	101	9.83E-06	198	0.00E+00	123	2.15E-11	127	2.01E-06	138	2.97E+04	232	1.72E-04
125	176	1.05E-05	199	0.00E+00	112	2.22E-11	36	2.02E-06	158	2.97E+04	1	1.76E-04
126	146	1.09E-05	200	0.00E+00	116	2.56E-11	108	2.10E-06	165	2.97E+04	53	1.77E-04
127	140	1.15E-05	203	0.00E+00	108	2.94E-11	46	2.11E-06	187	2.97E+04	117	1.81E-04
128	109	1.20E-05	205	0.00E+00	73	2.99E-11	238	2.12E-06	201	2.97E+04	220	1.82E-04
129	19	1.26E-05	206	0.00E+00	149	3.08E-11	119	2.13E-06	214	2.97E+04	4	1.82E-04
130	230	1.27E-05	212	0.00E+00	58	3.16E-11	233	2.17E-06	1	3.07E+04	63	1.82E-04
131	11	1.31E-05	214	0.00E+00	217	3.27E-11	228	2.23E-06	12	3.07E+04	100	1.84E-04
132	216	1.32E-05	219	0.00E+00	146	3.81E-11	204	2.25E-06	44	3.07E+04	8	1.85E-04
133	214	1.36E-05	220	0.00E+00	195	7.74E-11	132	2.26E-06	45	3.07E+04	30	1.93E-04
134	103	1.46E-05	223	0.00E+00	36	1.11E-10	161	2.29E-06	86	3.07E+04	165	1.95E-04
135	47	1.47E-05	224	0.00E+00	201	1.30E-10	122	2.30E-06	91	3.07E+04	79	1.97E-04
136	151	1.47E-05	226	0.00E+00	247	2.08E-10	202	2.33E-06	100	3.07E+04	240	2.00E-04
137	162	1.58E-05	227	0.00E+00	138	2.45E-10	158	2.33E-06	115	3.07E+04	166	2.03E-04
138	123	1.61E-05	232	0.00E+00	158	3.07E-10	157	2.35E-06	133	3.07E+04	124	2.06E-04
139	8	1.62E-05	234	0.00E+00	97	3.33E-10	221	2.43E-06	189	3.07E+04	75	2.08E-04
140	41	1.63E-05	237	0.00E+00	202	9.93E-10	212	2.43E-06	196	3.07E+04	195	2.08E-04
141	2	1.64E-05	238	0.00E+00	150	1.19E-09	83	2.43E-06	234	3.07E+04	18	2.09E-04
142	191	1.65E-05	239	0.00E+00	156	1.54E-09	100	2.44E-06	24	3.17E+04	148	2.17E-04
143	93	1.70E-05	240	0.00E+00	143	2.49E-09	34	2.47E-06	28	3.17E+04	152	2.17E-04
144	126	1.89E-05	242	0.00E+00	45	2.75E-09	206	2.48E-06	49	3.17E+04	237	2.21E-04
145	53	1.98E-05	244	0.00E+00	31	3.52E-09	236	2.50E-06	54	3.17E+04	206	2.26E-04
146	54	2.01E-05	245	0.00E+00	51	4.99E-09	51	2.51E-06	200	3.17E+04	35	2.28E-04
147	68	2.24E-05	246	0.00E+00	159	6.64E-09	244	2.52E-06	204	3.17E+04	65	2.29E-04
148	239	2.34E-05	247	0.00E+00	239	7.59E-09	117	2.52E-06	212	3.17E+04	235	2.34E-04
149	72	2.46E-05	248	0.00E+00	99	7.76E-09	43	2.56E-06	244	3.17E+04	116	2.38E-04
150	179	2.47E-05	249	0.00E+00	81	1.10E-08	1	2.56E-06	19	3.27E+04	32	2.38E-04
151	92	2.56E-05	231	2.32E-22	101	1.13E-08	168	2.62E-06	39	3.27E+04	82	2.40E-04
152	30	2.60E-05	202	9.38E-21	54	1.15E-08	240	2.62E-06	110	3.27E+04	130	2.42E-04
153	57	2.62E-05	35	9.99E-18	154	1.73E-08	75	2.62E-06	118	3.27E+04	89	2.43E-04
154	161	2.64E-05	113	6.43E-17	17	1.90E-08	19	2.66E-06	119	3.27E+04	242	2.44E-04
155	112	2.65E-05	207	3.53E-15	135	2.57E-08	195	2.70E-06	153	3.27E+04	34	2.45E-04
156	102	2.69E-05	216	5.03E-14	44	4.80E-08	227	2.72E-06	225	3.27E+04	90	2.50E-04
157	206	2.80E-05	187	5.10E-14	131	5.00E-08	55	2.74E-06	36	3.38E+04	22	2.52E-04
158	172	2.86E-05	167	6.10E-14	128	6.91E-08	220	2.85E-06	40	3.38E+04	24	2.55E-04
159	15	2.94E-05	217	1.98E-13	23	1.02E-07	110	2.88E-06	52	3.38E+04	129	2.61E-04
160	79	3.01E-05	151	3.10E-13	25	1.27E-07	91	2.91E-06	66	3.38E+04	185	2.66E-04
161	243	3.26E-05	112	4.82E-13	144	2.23E-07	30	2.97E-06	71	3.38E+04	11	2.66E-04
162	205	3.27E-05	44	5.90E-13	151	3.02E-07	53	3.01E-06	82	3.38E+04	43	2.68E-04
163	105	3.28E-05	243	6.14E-13	167	3.04E-07	209	3.01E-06	101	3.38E+04	146	2.70E-04
164	201	3.38E-05	186	1.59E-12	126	3.15E-07	32	3.03E-06	159	3.38E+04	136	2.78E-04
165	113	3.52E-05	71	1.76E-12	165	5.00E-07	17	3.04E-06	228	3.38E+04	227	2.86E-04
166	63	3.54E-05	28	2.27E-12	221	5.64E-07	165	3.08E-06	29	3.50E+04	85	2.86E-04
167	215	3.56E-05	85	3.26E-12	207	7.52E-07	104	3.09E-06	72	3.50E+04	114	2.87E-04
168	194	3.63E-05	159	3.29E-12	120	8.73E-07	120	3.09E-06	157	3.50E+04	177	2.91E-04
169	28	3.81E-05	68	8.01E-12	179	1.04E-06	61	3.12E-06	175	3.50E+04	72	2.92E-04
170	221	4.10E-05	145	3.99E-11	4	1.08E-06	125	3.16E-06	220	3.50E+04	182	2.92E-04
171	208	4.21E-05	211	4.20E-11	20	1.16E-06	182	3.17E-06	38	3.62E+04	27	2.93E-04
172	70	4.33E-05	26	8.14E-11	176	1.20E-06	175	3.24E-06	65	3.62E+04	56	2.94E-04
173	5	4.44E-05	86	8.97E-11	82	1.26E-06	166	3.24E-06	161	3.62E+04	70	2.96E-04
174	77	4.52E-05	221	2.44E-10	2	1.28E-06	40	3.25E-06	167	3.62E+04	12	3.05E-04
175	155	4.75E-05	169	3.03E-10	56	1.33E-06	63	3.27E-06	213	3.62E+04	131	3.07E-04
176	1	4.93E-05	225	3.28E-10	29	1.86E-06	203	3.36E-06	75	3.75E+04	38	3.12E-04
177	130	5.11E-05	230	3.44E-10	194	1.93E-06	18	3.41E-06	77	3.75E+04	184	3.13E-04
178	183	5.24E-05	73	5.97E-10	193	2.01E-06	237	3.42E-06	104	3.75E+04	64	3.15E-04
179	13	5.36E-05	228	7.80E-10	134	2.02E-06	129	3.51E-06	122	3.75E+04	86	3.17E-04
180	209	5.49E-05	30	1.13E-09	90	2.24E-06	97	3.72E-06	143	3.75E+04	115	3.20E-04
181	232	5.72E-05	97	1.82E-09	9	2.32E-06	11	3.74E-06	185	3.75E+04	41	3.22E-04
182	160	5.74E-05	37	1.84E-09	223	2.38E-06	92	3.81E-06	231	3.75E+04	239	3.22E-04
183	186	5.75E-05	128	2.11E-09	230	2.52E-06	52	3.84E-06	17	3.88E+04	66	3.29E-04
184	21	5.96E-05	23	3.29E-09	130	2.58E-06	12	3.99E-06	102	3.88E+04	73	3.29E-04
185	190	6.03E-05	82	7.70E-09	98	2.65E-06	169	4.01E-06	221	3.88E+04	61	3.30E-04
186	88	6.26E-05	2	9.80E-09	113	2.70E-06	27	4.06E-06	230	3.88E+04	121	3.32E-04
187	26	6.32E-05	102	1.02E-08	38	2.91E-06	35	4.10E-06	14	4.02E+04	207	3.50E-04
188	227	6.70E-05	4	1.07E-08	155	3.13E-06	177	4.15E-06	32	4.16E+04	169	3.60E-04
189	204	6.82E-05	5	1.35E-08	59	3.16E-06	8	4.18E-06	103	4.16E+04	97	3.68E-04
190	51	6.98E-05	19	1.47E-08	102	3.34E-06	114	4.21E-06	150	4.16E+04	187	3.70E-04
191	175	7.01E-05	96	3.10E-08	115	3.36E-06	89	4.22E-06	152	4.16E+04	112	3.84E-04
192	240	7.13E-05	11	3.25E-08	46	3.55E-06	37	4.23E-06	162	4.16E+04	178	3.84E-04
193	187	7.48E-05	213	4.20E-08	16	3.59E-06	24	4.24E-06	210	4.16E+04	186	3.85E-04
194	7	7.90E-05	93	4.65E-08	183	3.64E-06	85	4.25E-06	245	4.16E+04	145	3.86E-04
195	76	7.93E-05	201	4.85E-08	218	3.69E-06	234	4.33E-06	51	4.31E+04	141	3.86E-04
196	250	7.95E-05	156	5.67E-08	197	3.76E-06	231	4.36E-06	88	4.31E+04	37	3.87E-04
197	238	8.09E-05	165	7.10E-08	12	4.01E-06	156	4.48E-06	109	4.31E+04	208	3.96E-04
198	233	8.34E-05	137	7.67E-08	216	4.52E-06	58	4.51E-06	148	4.31E+04	246	4.11E-04
199	165	8.66E-05	235	9.87E-08	48	5.80E-06	71	4.58E-06	183	4.31E+04	111	4.11E-04
200	117	8.88E-05	108	1.00E-07	52	5.86E-06	124	4.61E-06	236	4.31E+04	137	4.15E-04
201	134	8.93E-05	106	1.19E-07	250	5.96E-06	73	4.67E-06	238	4.31E+04	93	4.20E-04
202	177	9.03E-05	209	1.42E-07	147	6.11E-06	235	4.68E-06	170	4.47E+04	196	4.44E-04
203	244	9.20E-05	129	1.56E-07	200	6.21E-06	130	4.78E-06	68	4.64E+04	147	4.46E-04
204	195	9.32E-05	118	1.67E-07	77	6.45E-06	39	4.80E-06	176	4.82E+04	163	4.48E-04
205	69	9.34E-05	127	1.76E-07	196	6.47E-06	242	4.93E-06	215	4.82E+04	138	4.51E-04
206	58	9.42E-05	162	1.95E-07	241	6.72E-06	137	4.96E-06	250	4.82E+04	156	4.53E-04
207	49	9.55E-05	184	2.39E-07	132	6.91E-06	5	4.99E-06	2	5.00E+04	94	4.56E-04
208	120	9.72E-05	47	2.53E-07	215	7.23E-06	90	5.09E-06	3	5.00E+04	174	4.57E-04
209	192	1.02E-04	126	2.88E-07	107	7.86E-06	38	5.15E-06	4	5.00E+04	5	4.78E-04
210	48	1.04E-04	77	3.10E-07	78	8.80E-06	67	5.18E-06	7	5.00E+04	197	4.80E-04
211	3	1.06E-04	83	3.23E-07	7	8.91E-06	239	5.20E-06	9	5.00E+04	142	5.33E-04
212	100	1.07E-04	31	3.86E-07	171	8.97E-06	185	5.32E-06	23	5.00E+04	67	5.34E-04
213	17	1.07E-04	166	5.05E-07	62	9.62E-06	79	5.32E-06	25	5.00E+04	226	5.35E-04
214	85	1.07E-04	179	5.35E-07	187	1.02E-05	70	5.40E-06	26	5.00E+04	99	5.46E-04

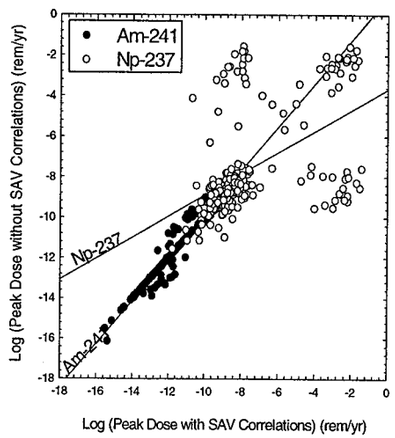
Sorted results from pg. 142; Sorted for each RN

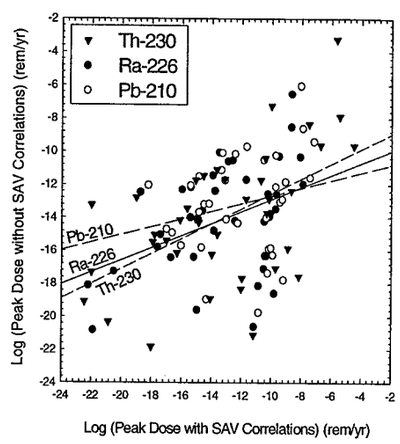
	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH
215	0.1760	242	1.46E-05	246	2.47E-14	27	4.01E-04	87	5.21E-12	134	3.87E-05	238	1.05E-13	238	1.79E-17	24	4.04E-17	249	1.45E-16	198	2.11E-04	181	1.08E-04	115	5.41E-07	49	1.04E-05	64	5.47E-06	33	5.00E+04	76	5.60E-04
216	0.1720	246	1.47E-05	217	2.78E-14	41	4.02E-04	208	5.46E-12	23	4.16E-05	249	1.54E-13	102	5.82E-17	249	4.93E-17	24	1.57E-16	242	2.11E-04	62	1.08E-04	29	5.42E-07	163	1.05E-05	22	5.55E-06	42	5.00E+04	126	5.69E-04
217	0.1680	136	1.55E-05	226	3.37E-14	184	4.03E-04	24	5.59E-12	25	7.78E-05	46	2.43E-13	83	7.28E-17	195	4.96E-17	83	2.07E-16	136	2.19E-04	210	1.09E-04	229	5.49E-07	57	1.14E-05	56	5.70E-06	46	5.00E+04	222	6.28E-04
218	0.1640	99	1.59E-05	46	3.44E-14	66	4.05E-04	213	6.02E-12	171	1.02E-04	11	4.24E-13	46	1.41E-16	200	9.56E-17	126	4.50E-16	55	2.20E-04	110	1.11E-04	130	5.75E-07	93	1.15E-05	184	5.74E-06	48	5.00E+04	33	6.49E-04
219	0.1600	239	1.60E-05	11	3.63E-14	114	4.09E-04	204	6.42E-12	84	1.52E-04	24	7.69E-13	193	3.30E-16	126	1.00E-16	200	8.22E-16	124	2.21E-04	158	1.13E-04	120	5.96E-07	231	1.25E-05	226	5.78E-06	55	5.00E+04	219	6.98E-04
220	0.1560	186	1.61E-05	83	4.23E-14	182	4.10E-04	95	7.55E-12	4	2.98E-04	89	8.19E-13	56	4.00E-16	98	1.64E-16	98	1.21E-15	79	2.24E-04	213	1.16E-04	98	6.18E-07	246	1.29E-05	141	5.83E-06	57	5.00E+04	95	7.15E-04
221	0.1520	145	1.67E-05	98	7.43E-14	131	4.11E-04	32	7.96E-12	82	3.78E-04	83	8.37E-13	112	9.30E-16	193	9.30E-16	193	1.98E-15	184	2.25E-04	166	1.20E-04	94	6.33E-07	75	1.30E-05	41	5.84E-06	58	5.00E+04	120	7.43E-04
222	0.1480	178	1.71E-05	200	7.50E-14	239	4.12E-04	72	8.43E-12	116	3.85E-04	195	1.11E-12	24	1.01E-15	14	1.19E-15	14	2.54E-15	38	2.27E-04	141	1.26E-04	36	6.42E-07	33	1.32E-05	136	6.19E-06	60	5.00E+04	6	7.59E-04
223	0.1440	114	1.74E-05	89	8.78E-14	97	4.21E-04	108	8.80E-12	146	4.12E-04	126	1.53E-12	206	2.05E-15	82	1.65E-15	102	4.67E-15	56	2.32E-04	226	1.29E-04	103	6.54E-07	13	1.32E-05	187	6.20E-06	62	5.00E+04	160	7.76E-04
224	0.1400	184	1.80E-05	195	1.17E-13	141	4.21E-04	109	8.97E-12	112	6.02E-04	98	1.73E-12	200	2.74E-15	206	2.33E-15	206	5.68E-15	32	2.32E-04	94	1.30E-04	191	6.76E-07	43	1.34E-05	208	6.24E-06	76	5.00E+04	198	8.09E-04
225	0.1360	121	1.81E-05	126	1.21E-13	121	4.24E-04	21	1.06E-11	76	7.58E-04	14	1.99E-12	141	4.80E-15	174	4.90E-15	174	7.15E-15	70	2.34E-04	87	1.31E-04	194	7.29E-07	164	1.34E-05	66	6.27E-06	82	5.00E+04	10	8.10E-04
226	0.1320	93	1.83E-05	14	1.93E-13	187	4.44E-04	61	1.10E-11	33	9.08E-04	200	2.25E-12	18	5.10E-15	187	5.17E-15	82	7.98E-15	197	2.37E-04	148	1.36E-04	91	7.40E-07	242	1.39E-05	197	6.32E-06	84	5.00E+04	2	8.45E-04
227	0.1280	43	1.83E-05	193	5.16E-13	37	4.49E-04	158	1.14E-11	120	9.79E-04	193	6.46E-12	98	7.32E-15	31	6.06E-15	31	9.51E-15	120	2.38E-04	33	1.37E-04	116	7.46E-07	160	1.39E-05	163	6.57E-06	87	5.00E+04	21	9.13E-04
228	0.1240	227	1.85E-05	82	6.81E-13	137	4.50E-04	5	1.26E-11	160	1.18E-03	82	6.76E-12	148	6.70E-15	102	6.44E-15	56	2.16E-14	239	2.40E-04	246	1.40E-04	150	7.58E-07	203	1.39E-05	207	6.61E-06	94	5.00E+04	139	9.45E-04
229	0.1200	177	1.90E-05	206	2.44E-12	147	4.51E-04	55	1.33E-11	2	1.41E-03	102	1.84E-11	16	1.58E-14	18	8.06E-15	187	2.73E-14	147	2.43E-04	37	1.41E-04	59	8.51E-07	1	1.55E-05	196	6.62E-06	98	5.00E+04	181	1.02E-03
230	0.1160	64	1.95E-05	102	2.49E-12	73	4.65E-04	40	1.38E-11	181	1.59E-03	206	2.71E-11	31	1.81E-14	56	1.05E-14	18	5.50E-14	226	2.46E-04	236	1.41E-04	109	1.05E-06	110	1.62E-05	115	6.67E-06	105	5.00E+04	192	1.06E-03
231	0.1120	126	1.97E-05	174	7.35E-12	115	4.66E-04	117	1.44E-11	192	1.65E-03	174	1.37E-10	237	2.25E-14	41	1.17E-14	18	6.36E-14	186	2.49E-04	61	1.41E-04	241	1.16E-06	22	1.66E-05	138	6.72E-06	112	5.00E+04	69	1.13E-03
232	0.1080	97	2.03E-05	187	1.05E-11	64	4.77E-04	220	1.45E-11	179	2.26E-03	187	1.42E-10	14	2.51E-14	16	1.90E-14	148	6.85E-14	65	2.50E-04	220	1.49E-04	236	1.17E-06	192	1.68E-05	111	6.92E-06	113	5.00E+04	179	1.36E-03
233	0.1040	34	2.05E-05	148	1.96E-11	186	4.84E-04	211	1.60E-11	46	2.31E-03	148	1.55E-10	6	3.69E-14	148	2.62E-14	41	8.83E-14	203	2.54E-04	137	1.54E-04	70	1.23E-06	181	1.70E-05	148	7.00E-06	116	5.00E+04	46	1.45E-03
234	0.1000	208	2.06E-05	56	2.39E-11	178	4.84E-04	6	1.68E-11	249	2.41E-03	31	2.32E-10	51	5.74E-14	237	3.36E-14	237	1.25E-13	22	2.58E-04	224	1.54E-04	57	1.31E-06	224	1.72E-05	99	7.05E-06	120	5.00E+04	176	1.47E-03
235	0.0960	207	2.21E-05	31	2.73E-11	207	5.16E-04	67	1.83E-11	176	2.47E-03	16	3.55E-10	129	1.09E-13	51	6.89E-14	51	3.19E-13	163	2.59E-04	97	1.63E-04	88	1.41E-06	184	1.89E-05	65	7.05E-06	124	5.00E+04	249	1.57E-03
236	0.0920	182	2.26E-05	18	3.73E-11	208	5.33E-04	38	1.84E-11	47	2.62E-03	41	5.59E-10	82	1.34E-13	221	1.42E-13	221	4.13E-13	174	2.64E-04	24	1.64E-04	204	1.64E-06	76	1.94E-05	174	7.11E-06	128	5.00E+04	47	1.57E-03
237	0.0880	27	2.29E-05	16	6.21E-11	99	5.37E-04	141	1.94E-11	26	2.77E-03	56	6.10E-10	84	1.35E-13	139	2.56E-13	84	7.30E-13	141	2.83E-04	12	1.66E-04	14	1.69E-06	157	1.94E-05	93	7.16E-06	134	5.00E+04	26	1.69E-03
238	0.0840	37	2.40E-05	41	7.16E-11	156	5.44E-04	86	2.28E-11	55	3.14E-03	18	8.55E-10	202	1.63E-13	84	2.71E-13	112	8.60E-13	41	2.84E-04	169	1.72E-04	250	1.76E-06	30	1.99E-05	186	7.30E-06	144	5.00E+04	42	1.98E-03
239	0.0800	73	2.40E-05	221	8.44E-11	93	5.51E-04	31	2.51E-11	42	3.29E-03	202	8.97E-10	187	3.96E-13	202	3.48E-13	202	8.90E-13	196	2.89E-04	249	1.79E-04	210	1.85E-06	60	2.08E-05	152	7.30E-06	146	5.00E+04	55	2.06E-03
240	0.0760	142	2.50E-05	84	9.67E-11	145	5.65E-04	107	2.53E-11	62	3.54E-03	237	9.66E-10	41	4.24E-13	244	4.12E-13	129	1.04E-12	86	2.92E-04	75	1.81E-04	218	1.92E-06	19	2.35E-05	147	7.34E-06	160	5.00E+04	62	2.18E-03
241	0.0720	95	2.51E-05	51	1.24E-10	163	6.11E-04	156	2.83E-11	247	3.79E-03	84	9.71E-10	221	5.69E-13	112	4.99E-13	139	1.48E-12	121	2.93E-04	156	1.82E-04	215	1.97E-06	234	2.39E-05	131	7.64E-06	164	5.00E+04	247	2.40E-03
242	0.0680	137	2.63E-05	237	1.48E-10	111	6.26E-04	232	3.24E-11	105	5.23E-03	221	1.00E-09	103	1.61E-12	129	6.07E-13	244	1.89E-12	93	2.94E-04	217	1.82E-04	192	2.30E-06	11	2.53E-05	219	7.84E-06	171	5.00E+04	105	3.12E-03
243	0.0640	226	2.67E-05	202	2.24E-10	226	6.30E-04	78	4.28E-11	57	5.44E-03	51	1.30E-09	15	1.84E-12	15	6.91E-13	23	2.57E-12	69	3.02E-04	247	1.90E-04	38	2.30E-06	92	2.89E-05	121	8.18E-06	179	5.00E+04	57	3.26E-03
244	0.0600	174	2.68E-05	112	7.42E-10	174	6.31E-04	239	5.08E-11	87	5.80E-03	112	7.60E-09	116	1.87E-12	175	1.00E-12	15	3.12E-12	185	3.02E-04	124	1.91E-04	233	2.43E-06	166	3.09E-05	95	8.23E-06	181	5.00E+04	87	3.53E-03
245	0.0560	156	2.81E-05	29	1.91E-09	5	6.36E-04	241	5.92E-11	216	6.63E-03	29	1.31E-08	244	2.13E-12	23	1.05E-12	100	4.82E-12	219	3.21E-04	129	1.94E-04	7	2.44E-06	32	3.37E-05	145	8.24E-06	190	5.00E+04	216	3.95E-03
246	0.0520	163	2.92E-05	244	3.44E-09	67	6.41E-04	186	7.88E-11	164	7.17E-03	244	2.30E-08	100	2.19E-12	29	1.43E-12	29	5.59E-12	138	3.27E-04	55	1.96E-04	136	2.91E-06	39	3.57E-05	178	8.80E-06	191	5.00E+04	164	4.28E-03
247	0.0480	219	3.04E-05	129	5.49E-09	197	6.65E-04	221	8.02E-11	203	7.50E-03	129	3.00E-08	29	2.56E-12	103	1.59E-12	103	6.88E-12	148	3.29E-04	60	1.98E-04	164	3.04E-06	219	3.81E-05	72	9.12E-06	192	5.00E+04	7	4.52E-03
248	0.0440	111	3.23E-05	15	9.79E-09	126	7.09E-04	230	8.33E-11	7	7.53E-03	15	4.87E-08	146	3.46E-12	212	1.97E-12	6	7.52E-12	66	3.32E-04	219	2.01E-04	27	3.30E-06	226	3.92E-05	86	9.19E-06	202	5.00E+04	241	4.59E-03
249	0.0400	222	3.48E-05	103	1.02E-08	95	7.13E-04	154	9.37E-11	241	7.60E-03	103	5.51E-08	175	4.49E-12	100	2.60E-12	175	9.60E-12	152	3.34E-04	32	2.10E-04	104	3.42E-06	24	4.07E-05	246	9.45E-06	203	5.00E+04	203	4.70E-03
250	0.0360	67	3.54E-05	100	1.78E-08	142	7.16E-04	41	1.06E-10	48	8.42E-03	100	9.56E-08	85	8.39E-12	6	3.64E-12	212	3.09E-11	178	3.67E-04	67	2.16E-04	208	3.67E-06	145	4.13E-05	21	9.66E-06	216	5.00E+04	9	5.04E-03
251	0.0320	5	3.62E-05	175	2.05E-08	219	8.18E-04	79	1.08E-10	9	8.49E-03	175	9.99E-08	212	3.92E-11	85	2.57E-11	116	5.99E-11	99	3.67E-04	147	2.19E-04	18	3.86E-06	169	4.13E-05	139	9.83E-06	217	5.00E+04	48	5.06E-03
252	0.0280	10	3.69E-05	6	5.14E-08	10	8.71E-04	237	1.39E-10	250	9.21E-03	6	2.34E-07	23	2.27E-10	108	3.01E-11	85	7.14E-11	142	3.87E-04	38	2.65E-04	1	5.16E-06	65	4.37E-05	142	1.04E-05	224	5.00E+04	250	5.52E-03
253	0.0240	6	3.88E-05	212	5.75E-08	222	9.45E-04	198	1.42E-10	3	1.14E-02	212	3.05E-07	139	2.44E-10	48	4.76E-11	146	8.19E-11	246	3.90E-04	99	2.70E-04	174	5.84E-06	137	4.82E-05	222	1.05E-05	226	5.00E+04	3	6.80E-03
254	0.0200	197	4.34E-05	108	1.08E-07	198	1.16E-03	93	1.52E-10	224	1.52E-02	108	4.29E-07	190	4.63E-09	116	5.23E-11	108	1.89E-10	95	3.96E-04	203	2.76E-04	196	7.20E-06	5	5.34E-05	6	1.06E-05	229	5.00E+04	224	9.12E-03
255	0.0160	198	5.15E-05	116	1.21E-07	6	1.17E-03	195	1.72E-10	60	1.60E-02	116	5.88E-07	48	1.32E-08	146	8.80E-11	48	4.01E-10	72	4.02E-04	138	2.85E-04	222	8.50E-06	198	6.49E-05	10	1.07E-05	241	5.00E+04	60	9.65E-03
256	0.0120	69	6.73E-05	146	2.49E-07	21	1.31E-03	147	1.97E-10	109	1.79E-02	146	9.69E-07	108	5.65E-08	75	1.61E-09	75	2.48E-09	139	4.72E-04	196	2.87E-04	185	1.32E-05	86	7.21E-05	198	1.16E-05	247	5.00E+04	109	1.07E-02
257	0.0080	21	6.77E-05	85	6.03E-07	139	1.32E-03	222	2.49E-10	190	2.69E-02	85	2.39E-06	75	6.98E-07	190	3.03E-09	190	2.49E-09	10	4.84E-04	95	3.18E-04	21	1.39E-05	95	7.56E-05	126	1.19E-05	248	5.00E+04	190	1.60E-02
258	0.0040	139	7.73E-05	190	6.07E-06	69	1.58E-03	142	9.80E-10	217	2.74E-02	190	2.22E-05	94	5.74E-04	94	2.97E-07	94	8.99E-07	126	5.12E-04	10	3.19E-04	6	1.88E-05	69	9.85E-05	69	1.26E-05	249	5.00E+04	217	1.63E-02

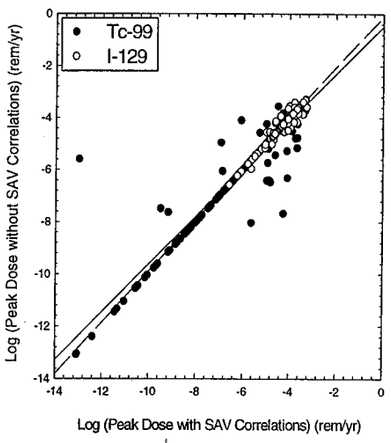
1/31/00
DRJ

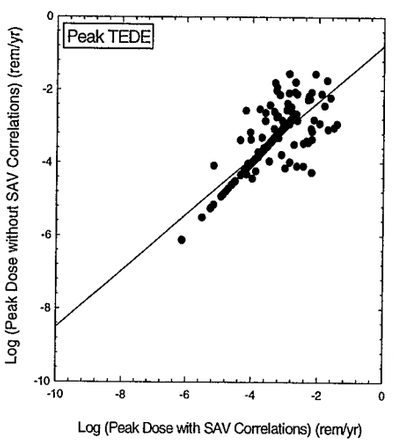
Comparison of Results (with and without SAV correlations):

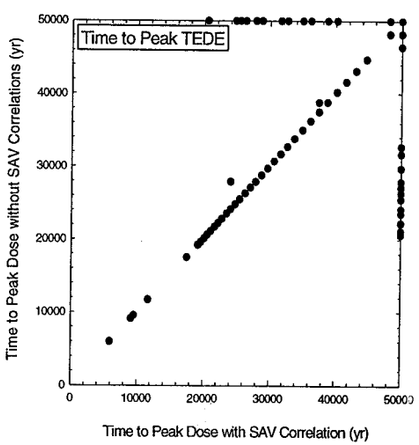












1/31/00
DRJ

- Radionuclides most affected include those with correlations:
  - U-238
  - U-234
  - Np-237
  - Th-230
  - Am-241
- Also affected:
  - Ra-226
  - Pb-210

From the decay chain U-234 → Th-230 → Ra-226 → Pb-210

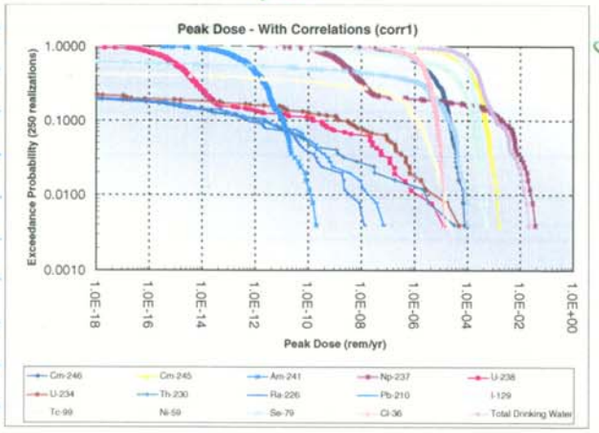
Radioelements that do not show up at 50,000 y (Pu) may be more important at longer times

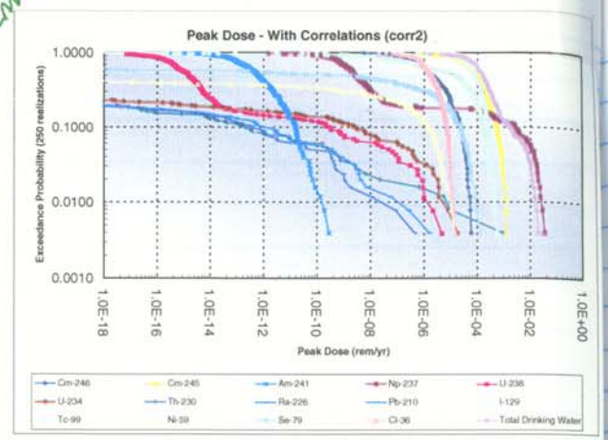
Correlations may be relevant to radionuclides that TPA suggests are important (Cm-245,246) to dose at 50,000 y. These may be simulated using Am(III) as a homologue

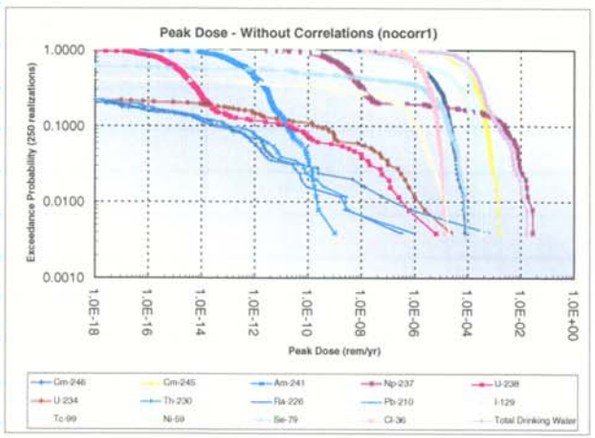
1/31/00 (JRL)

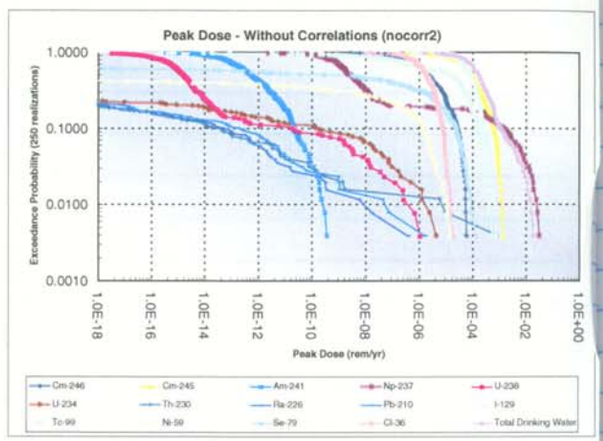
Alternative presentation of GW pkdose

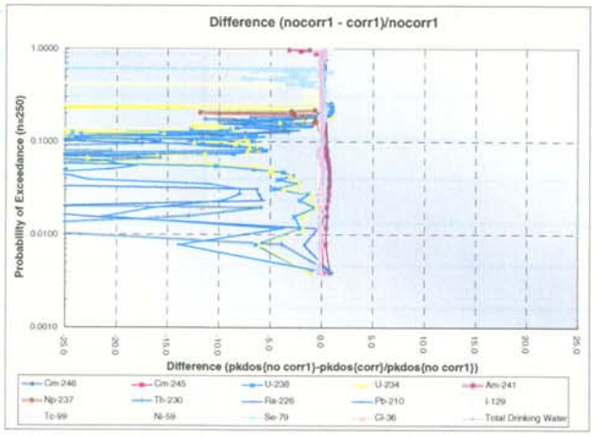
(JRLmm)

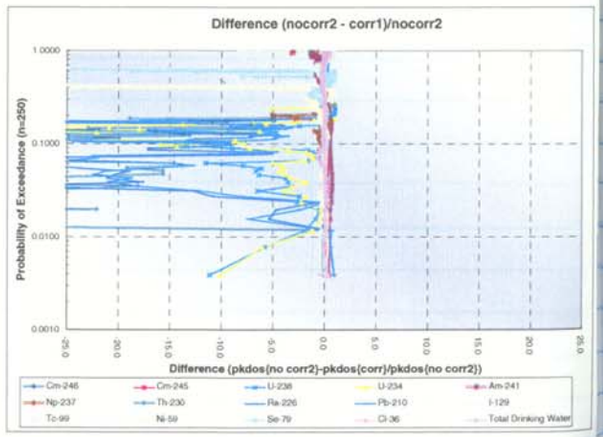


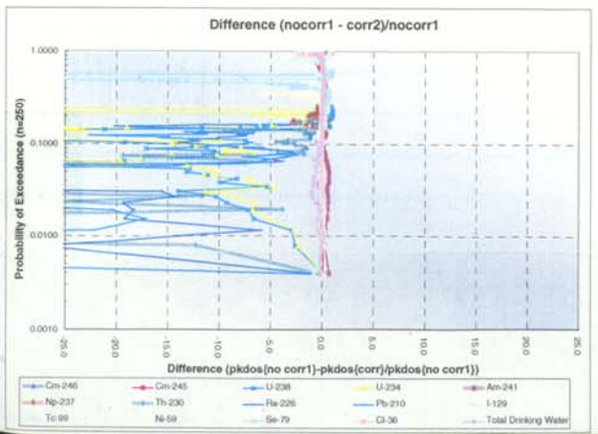


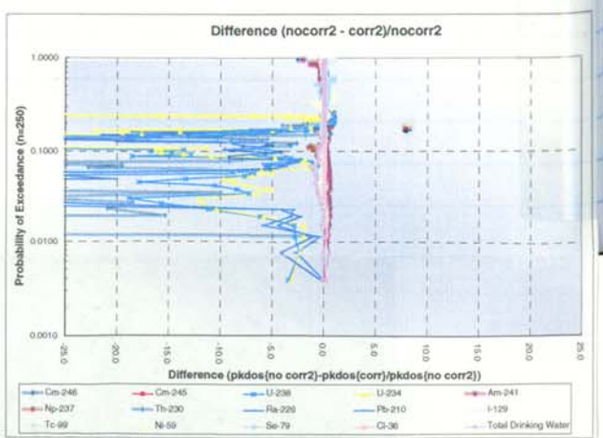




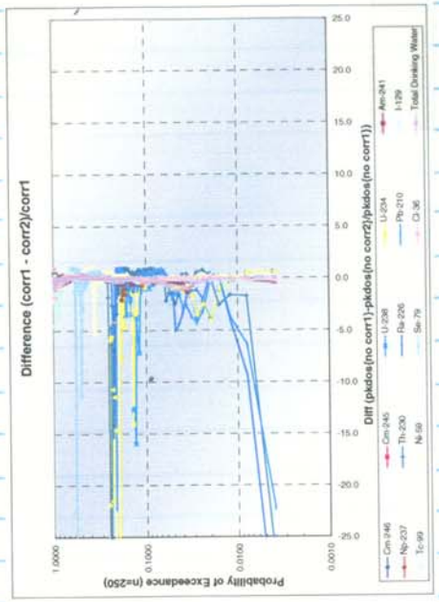




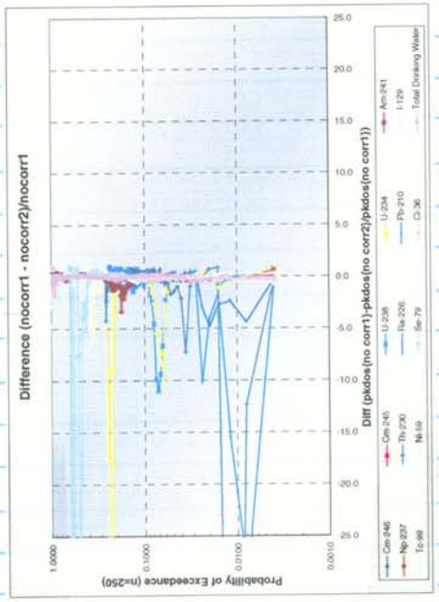




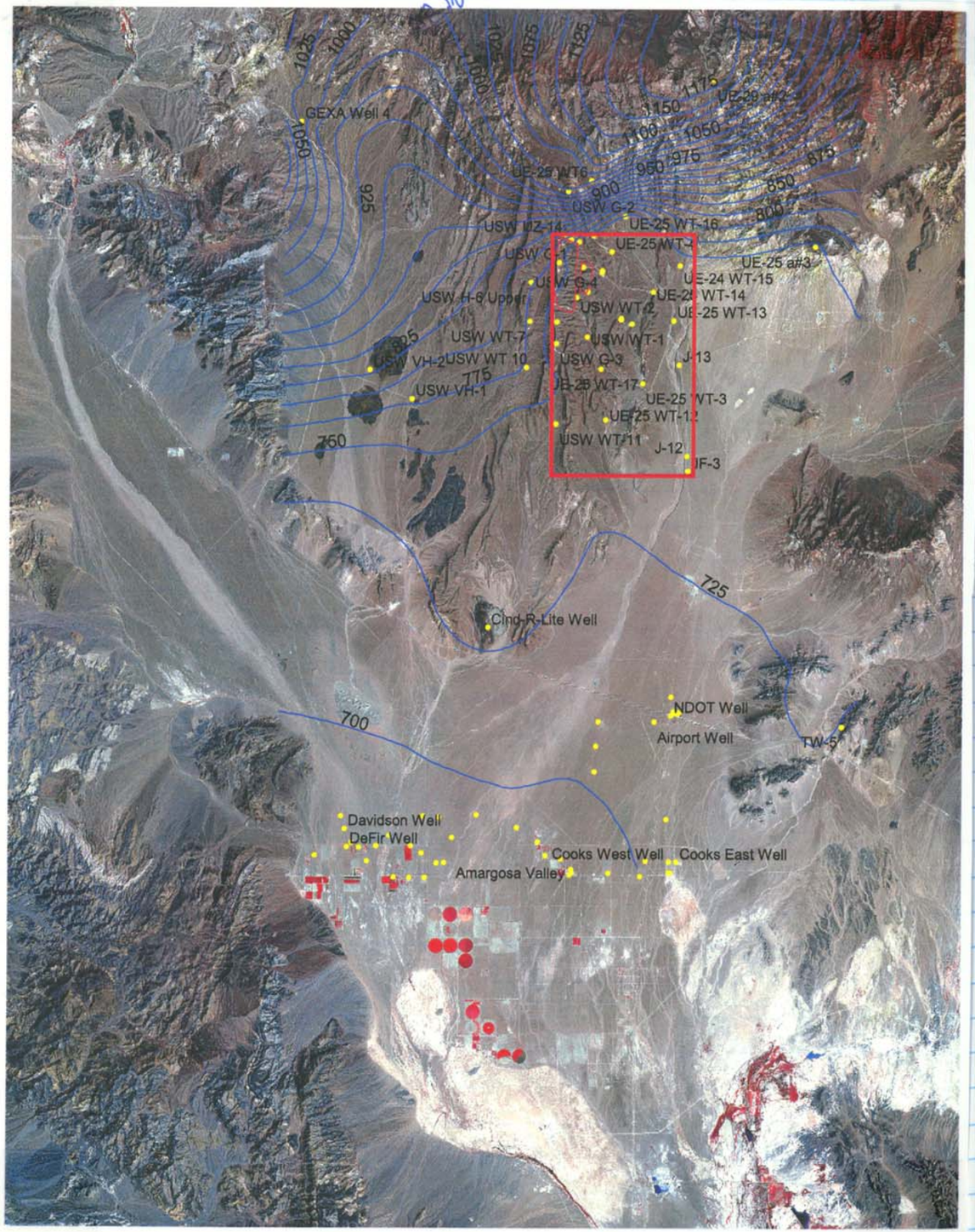
(1/31/00 JRL)



(JRLmm)



2/1/00
DBJ



2/1/00
DBJ

Well data from 94 wells in the Amargosa Basin is from: DBJ

Walker, G.E. and T.E. Eakin. 1963. Ground-Water Resources - Reconnaissance Series. Report 14. *Geology and Groundwater of the Amargosa Desert, Nevada-California.* State of Nevada Department of Conservation and Natural Resources. Carson City, Nevada. Prepared Co-operatively by the Geological Survey, U.S. Department of the Interior. Table 4.

Well location - ArcViews coverage prepared by M. Mikles

DLM Surface Complexation Modeling of Mineral Mixtures:

Uranium^{VI} sorption experiments involving quartz and clinoptilolite, important mineral phases at the proposed U.S. nuclear waste repository at Yucca Mountain, Nevada, were conducted to evaluate the ability of surface complexation models to predict U^{VI} sorption onto mineral mixtures based on parameters derived from single mineral experiments. The experiments were conducted at an initial U^{VI} aqueous concentration of ~$2.0 \cdot 10^{-7}$ mol·L^{-1} (0.1 mol·L^{-1} $NaNO_3$ matrix) and over the pH range ~2.5 to ~9.5 (Table 1). The U^{VI} solutions were reacted with either quartz or clinoptilolite only, or with mixtures of the two minerals. The experiments were carried out under atmospheric PCO_2(g) conditions (in loosely capped containers) or under limited PCO_2(g) (in capped containers or in a glove box) (Prikryl et al., 2000).

Table 1. Summary of experimental conditions[a]

Mineral Sorbent	Clinoptilolite/Quartz[b] Mass Ratio	Clinoptilolite M/V Ratio (g·L^{-1})	Quartz[b] M/V Ratio (g·L^{-1})	Initial U^{VI} Concentration (mol·L^{-1})	PCO_2 Conditions
Clinoptilolite (0.7 g)	—	20	—	$2.06 \cdot 10^{-7}$	Atmosphere
Clinoptilolite (0.7 g)	—	20	—	$2.09 \cdot 10^{-7}$	Glove box
Quartz	—	—	28.6	$2.03 \cdot 10^{-7}$	Atmosphere
Quartz	—	—	28.6	$2.04 \cdot 10^{-7}$	Capped
Clinoptilolite/Quartz	0.035	1	28.6	$2.04 \cdot 10^{-7}$	Atmosphere
Clinoptilolite/Quartz	0.35	10	28.6	$1.92 \cdot 10^{-7}$	Atmosphere
Clinoptilolite/Quartz	0.35	10	28.6	$2.04 \cdot 10^{-7}$	Capped
Clinoptilolite/Quartz	0.7	20	28.6	$2.10 \cdot 10^{-7}$	Atmosphere
Clinoptilolite/Quartz	0.7	20	28.6	$2.03 \cdot 10^{-7}$	Glove box

[a]All experiments used a solution volume of 35 mL.
[b]The amount of quartz used was 1.0 g.

In this study, binding constants for surface reactions were determined using the numerical optimization code FITEQL, Version 2.0 (Westall, 1982) to interpret quartz-only sorption data under conditions open to the atmosphere. It is important to note that the binding constants for the postulated surface reaction (Table 2) are determined in the context of the aqueous speciation reactions that make up the chemical equilibrium model and, therefore, is dependent on the thermodynamic data used to describe the U^{VI} system. Thermodynamic data from the NEA database (Wanner and Forrest, 1992) and Fuger (1992) were used in the modeling study.

DLM-calculated values for the quartz-only experiment (atmospheric PCO_2) were cast in terms of $K_{a'}$ using the quartz N_2-BET surface area of 0.306 m^2·g^{-1}. Based on the observations of Pabalan et al. (1998), $K_{a'}$ was then used to predict K_d values for each of the different clinoptilolite/quartz mixtures (Figure 1). The quartz-based $K_{a'}$ was scaled using the S_{EA} calculated for each clinoptilolite/quartz mass ratio, assuming that the S_{EA} for clinoptilolite is 10 percent of its measured N_2-BET surface area. The DLM parameters determined from the atmospheric PCO_2 data were also applied to CO_2-free conditions (Figure 1b).

Although the agreement is not exact, the values calculated using S_{EA} as a scaling factor reproduce a number of the features observed in U^{VI} sorption onto clinoptilolite/quartz mixtures. The calculation predicts the slope of the increase in sorption over a pH range of 3 to ~6 (Figure 1a), as well as the sorption maximum observed at a pH of about 6.5 and the sharp decrease in U^{VI} sorption at pH > 7. Scaling the quartz model based on the S_{EA} of the mineral mixtures correctly predicts the general increase in sorption as the clinoptilolite/quartz mass ratio increases. However, at pH < 5 and pH >8.5, the amount of sorption is underpredicted for the mineral mixtures and for the clinoptilolite end-member. Some of this underprediction is due to experimental uncertainty, whereas at low pH the disagreement is likely due to a clinoptilolite ion exchange process that is not accounted for in the present model. Applying the DLM parameters estimated using the atmospheric PCO_2 data to no-CO_2 conditions overpredicted sorption for the mixtures, and showed a slight decrease in sorption for pH > 7 that is not observed in the experimental data (Figure 1b).

Table 2. DLM parameters and U^{VI} sorption binding constants determined from quartz-only, atmospheric PCO_2 sorption data using FITEQL, Version 2.0 (Westall, 1982)

DLM Parameters	**Quartz**
Site density[a]	2.3 sites·nm^{-2}
Surface area[b]	0.31 m^2·g^{-1}
Ionic strength	0.1 M $NaNO_3$
PCO_2	$10^{-3.5}$ atm
Surface/Sorption Reactions:	**Log K**
$>AlOH^o + H^+ \Leftrightarrow >AlOH_2^+$	–
$>AlOH^o \Leftrightarrow >AlO^- + H^+$	–
$>AlOH^o + UO_2^{2+} \Leftrightarrow >AlO\text{–}UO_2^+ + H^+$	–
$>SiOH^o \Leftrightarrow >SiO^- + H^+$	–7.06[c]
$>SiOH^o + H^+ \Leftrightarrow >SiOH_2^+$	–1.24[c]
$>SiOH^o + UO_2^{2+} \Leftrightarrow >SiO\text{–}UO_2^+ + H^+$	–0.30[d]
$>SiOH^o + UO_2^{2+} + 4H_2O \Leftrightarrow >SiOH\text{–}UO_2(OH)_4^{2-} + 4H^+$	–18.70[d]

[a]Davis and Kent (1990); Dzombak and Morel (1990)
[b]S_{EA} for quartz assumed to be equal to the total N_2-BET surface area
[c]Sverjensky and Sahai (1996)
[d]This study

2/2/00 DRS

Example MINTEQA2 input file:

```
U(VI)-Quartz; No CO2; ~50ppb
DLM; XOUO2+; XOUO2OH; 2/13/96 CNWRA Database; 1 g/l
25.00 MOLAL  0.000  0.00000E-01
0 0 1 0 0 0 0 0 1 1 1 1 2
ACTIVITY   330 33
  0.25
mixnoco2.123      893
4   1   7
2.857E+01     0.31 0.000 0.000 81
     330  0.000E-01   -2.00 y                    /H+1
     893  2.010E-07   -6.70 y                    /UO2+2
     500  1.000E-01   -1.00 y                    /Na+1
     492  1.000E-01   -1.00 y                    /NO3-1
     813  0.000E-01    0.00 y                    /ADS1PSIo
     811  3.353E-05   -4.47 y                    /ADS1TYP1

  2   1
8933301   -13.0000    18.0940                   /UO2(OH)2
  3   1
     330     2.0000     0.0000                   /H+1
  6   1
     813     0.0000     0.0000                   /ADS1PSIo

  2   4
8113300 SiO-              0.0000   -7.0600   0.000   0.000-1.00 0.00 0.00   0.0000
 0.00 3   1.000 811  -1.000 330  -1.000 813   0.000   0   0.000   0   0.000   0
   0.000   0   0.000   0   0.000   0   0.000   0   0.000   0
0  0.000   0   0.000   0   0.000   0
8113301 SiOH2+            0.0000   -1.2400   0.000   0.000 1.00 0.00 0.00   0.0000
 0.00 3   1.000 811   1.000 330   1.000 813   0.000   0   0.000   0   0.000   0
   0.000   0   0.000   0   0.000   0   0.000   0   0.000   0
0  0.000   0   0.000   0   0.000   0
8118930 SiOUO2+           0.0000   -0.3000   0.000   0.000 1.00 0.00 0.00   0.0000
 0.00 4   1.000 811   1.000 893  -1.000 330   1.000 813   0.000   0   0.000   0
   0.000   0   0.000   0   0.000   0   0.000   0   0.000   0
0  0.000   0   0.000   0   0.000   0
8118932 SiOHUO2OH4        0.0000  -18.7000   0.000   0.000-2.00 0.00 0.00   0.0000
 0.00 5   1.000 811   1.000 893   4.000 002  -4.000 330  -2.000 813   0.000   0
   0.000   0   0.000   0   0.000   0   0.000   0   0.000   0   0.000   0
0  0.000   0   0.000   0   0.000   0
```


2/2/00 DRS

Table 3. Scaling of Qz-only (Atmospheric CO2) sorption curves for calculated surface area of quartz/clinoptilolite mixtures.

Qz/Clino Mixtures	DLM	Qz Only	Qz Only	Qz/Ct=0.035	Qz/Ct=0.35	Qz/Ct=0.7	Ct Only	
Quartz M/V=28.57 g/L	pH	Sorbed (KA')	Sorbed (KD)	Sorbed (KD)	Sorbed (KD)	Sorbed (KD)	Sorbed (KD)	Qz/Ct=0.035
Atm CO2=(1E-3.5 atm)								SEA(10)=0.336
SA=0.306 m2/g	2.00	0.063	0.019	0.021	0.031	0.039	0.075	
U=1.967E-07 M	2.25	0.113	0.035	0.038	0.057	0.070	0.135	Qz/Ct=0.35
Vol=35 mL	2.50	0.204	0.062	0.068	0.102	0.127	0.242	SEA(10)=0.502
	2.75	0.364	0.111	0.122	0.183	0.226	0.433	
LogK(UO2(OH)2)=-13.00	3.00	0.648	0.198	0.218	0.325	0.403	0.771	Qz/Ct=0.7
LogK+=-1.46	3.25	1.150	0.352	0.386	0.577	0.715	1.368	SEA(10)=0.622
LogK-=-7.06	3.50	2.045	0.626	0.687	1.026	1.272	2.433	
LogK(SiOUO2)=-0.30	3.75	3.611	1.105	1.213	1.813	2.246	4.297	Ct Only
LogK(SiOHUO2OH3)=-18.7	4.00	6.396	1.957	2.149	3.211	3.978	7.611	SEA=1.19
	4.25	11.247	3.442	3.779	5.646	6.995	13.384	
	4.50	19.541	5.979	6.566	9.809	12.154	23.253	
Single-site, monodentate	4.75	33.563	10.270	11.277	16.849	20.876	39.940	
	5.00	56.239	17.209	18.896	28.232	34.981	66.925	
	5.25	91.823	28.098	30.852	46.095	57.114	109.269	
	5.50	142.004	43.453	47.713	71.286	88.326	168.985	
	5.75	206.935	63.322	69.530	103.882	128.714	246.253	
	6.00	275.078	84.174	92.426	138.089	171.098	327.342	
	6.25	327.455	100.201	110.025	164.382	203.677	389.671	
	6.50	334.952	102.495	112.544	168.146	208.340	398.592	
	6.75	297.484	91.030	99.955	149.337	185.035	354.006	
	7.00	248.663	76.091	83.551	124.829	154.668	295.909	
	7.25	198.309	60.683	66.632	99.551	123.348	235.988	
	7.50	136.904	41.892	46.000	68.726	85.154	162.915	
	7.75	67.432	20.634	22.657	33.851	41.943	80.244	
	8.00	20.137	6.162	6.766	10.109	12.525	23.963	
	8.25	4.070	1.245	1.367	2.043	2.531	4.843	
	8.50	0.683	0.209	0.229	0.343	0.425	0.813	
	8.75	0.107	0.033	0.036	0.054	0.066	0.127	
	9.00	0.016	0.005	0.006	0.008	0.010	0.020	
	9.25	0.002	0.001	0.001	0.001	0.002	0.003	
	9.50	0.000	0.000	0.000	0.000	0.000	0.000	
	9.75	0.000	0.000	0.000	0.000	0.000	0.000	
	10.00	0.000	0.000	0.000	0.000	0.000	0.000	

MINTEQA2 Output

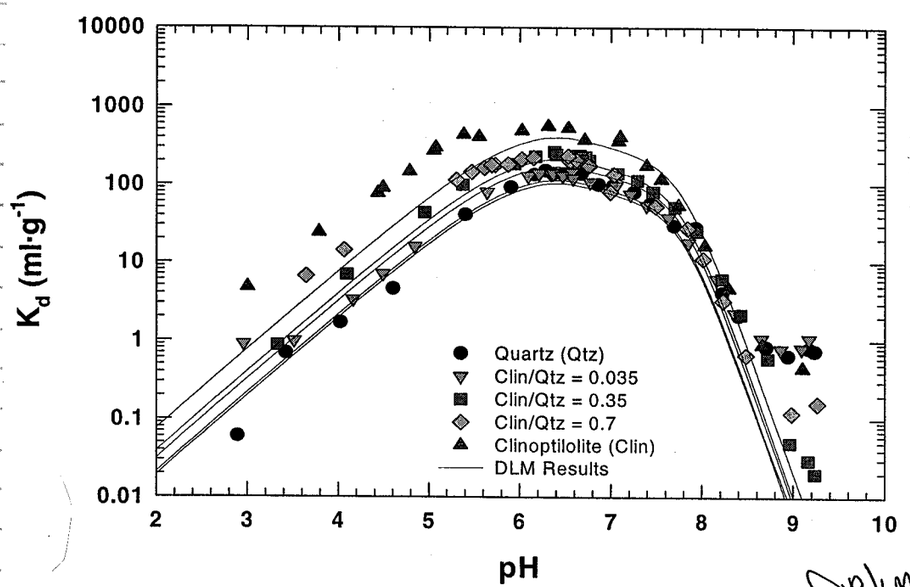
Scaled values

2/2/00 DRJ

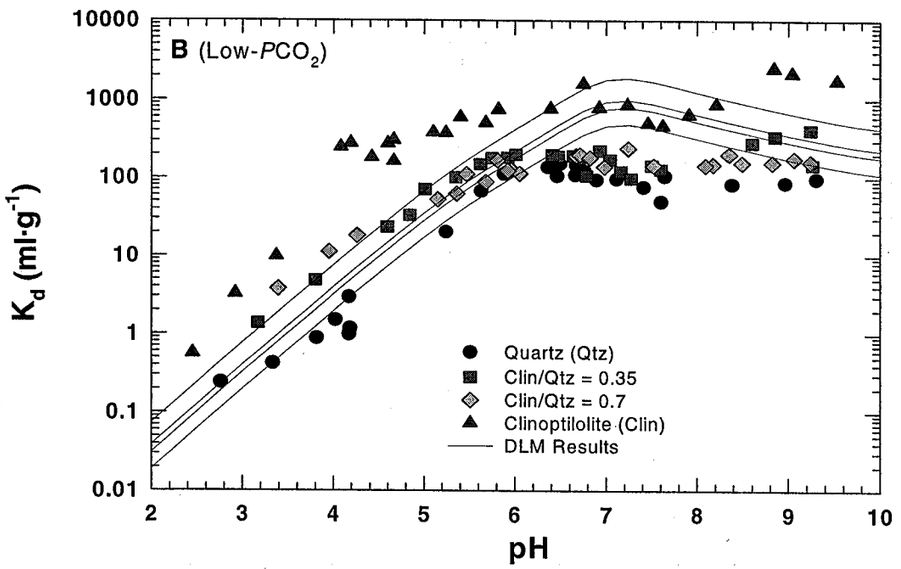
Table 4. Scaling of Qz-only (No/Low CO2) sorption curves for calculated surface area of quartz/clinoptilolite mixtures.

Qz/Clino Mixtures	DLM	Qz Only	Qz Only	Qz/Ct=0.035	Qz/Ct=0.35	Qz/Ct=0.7	Ct Only	
Quartz M/V=28.57 g/L	pH	Sorbed (KA')	Sorbed (KD)	Sorbed (KD)	Sorbed (KD)	Sorbed (KD)	Sorbed (KD)	Qz/Ct=0.035
No CO2								SEA(10)=0.336
SA=0.306 m2/g	2.00	0.063	0.019	0.021	0.031	0.039	0.074	
U=2.01E-07 M	2.25	0.112	0.034	0.038	0.056	0.070	0.133	Qz/Ct=0.35
Vol=35 mL	2.50	0.201	0.062	0.068	0.101	0.125	0.239	SEA(10)=0.502
	2.75	0.360	0.110	0.121	0.181	0.224	0.429	
LogK(UO2(OH)2)=-13.00	3.00	0.640	0.196	0.215	0.321	0.398	0.762	Qz/Ct=0.7
LogK+=-1.46	3.25	1.138	0.348	0.383	0.571	0.708	1.355	SEA(10)=0.622
LogK-=-7.06	3.50	2.030	0.621	0.682	1.019	1.263	2.415	
LogK(SiOUO2)=-0.30	3.75	3.578	1.095	1.202	1.796	2.226	4.258	Ct Only
LogK(SiOHUO2OH3)=-18.7	4.00	6.320	1.934	2.123	3.172	3.931	7.520	SEA=1.19
	4.25	11.142	3.409	3.744	5.593	6.930	13.259	
	4.50	19.296	5.905	6.484	9.687	12.002	22.962	
Single-site, monodentate	4.75	33.325	10.197	11.197	16.729	20.728	39.656	
	5.00	56.299	17.228	18.917	28.262	35.018	66.996	
	5.25	92.150	28.198	30.963	46.260	57.318	109.659	
	5.50	147.919	45.263	49.701	74.255	92.005	176.023	
	5.75	227.910	69.740	76.578	114.411	141.760	271.213	
	6.00	347.833	106.437	116.872	174.612	216.352	413.922	
	6.25	523.538	160.203	175.909	262.816	325.641	623.011	
	6.50	794.276	243.049	266.877	398.727	494.040	945.189	
	6.75	1164.565	356.357	391.294	584.612	724.360	1385.833	
	7.00	1502.295	459.702	504.771	754.152	934.428	1787.731	
	7.25	1577.454	482.701	530.025	791.882	981.177	1877.171	
	7.50	1433.271	438.581	481.579	719.502	891.495	1705.593	
	7.75	1226.032	375.166	411.947	615.468	762.592	1458.978	
	8.00	1040.747	318.469	349.691	522.455	647.345	1238.489	
	8.25	888.233	271.799	298.446	445.893	552.481	1056.997	
	8.50	762.426	233.302	256.175	382.738	474.229	907.286	
	8.75	654.391	200.244	219.875	328.504	407.031	778.725	
	9.00	569.765	174.348	191.441	286.022	354.394	678.020	
	9.25	499.383	152.811	167.793	250.690	310.616	594.266	
	9.50	440.972	134.937	148.167	221.368	274.285	524.757	
	9.75	394.439	120.698	132.531	198.008	245.341	469.382	
	10.00	360.312	110.256	121.065	180.877	224.114	428.772	

2/2/00 DRJ



DRJ



2/2/00 DB

REFERENCES

Davis, J.A., and Kent, D.B., 1990. Surface complexation modeling in aqueous geochemistry. Rev. Mineral. 23, 177–260.

Dzombak, D.A., and Morel, F.M.M., 1990. Surface Complexation Modeling: Hydrous Ferric Oxide. John Wiley and Sons, New York, NY.

Fuger, J., 1992. Thermodynamic properties of actinide species relevant to geochemical problems. Radiochim. Acta 58/59, 81–91.

Pabalan, R.T., Turner, D.R., Bertetti, F.P., and Prikryl, J.D., 1998. Uranium(VI) sorption onto selected mineral surfaces: Key geochemical parameters. In: Adsorption of Metals by Geomedia (E.A. Jenne, Ed.). Academic Press, San Diego, CA.

Prikryl, J.D., A. Jain, D.R. Turner, and R.T. Pabalan., 2000. Uranium^{vi} sorption behavior on silicate mineral mixtures. Proceedings for Migration '99 (in press).

Sverjensky, D.A., and Sahai, N., 1996. Theoretical prediction of single-site surface-protonation equilibrium constants for oxides and silicates in water. Geochim. Cosmochim. Acta 60, 3773-3798.

Wanner, H., and Forest, I. (Eds.). 1992. "Chemical Thermodynamics of Uranium." Elsevier, New York.

Westall J.C.. 1982. FITEQL: A Computer Program for Determination of Chemical Equilibrium Constants From Experimental Data, Version 2.0. Rpt. 82-02. Department of Chemistry, Oregon State University, Corvallis, OR.

Appendix: Details on Proposed Modifications to Radionuclide Transport Parameters for TPA 4.0

2/3/00

Introduction:

In TPA 3.2, a K_D PDF is assigned to each radionuclide for each hydrostratigraphic unit. For most of the radionuclides, the PDFs are based on expert judgement supported by laboratory sorption data. Experimental data, however, show a link between the aqueous speciation of an actinide and its sorption behavior. Experimental and modeling results indicate that sorption behavior as expressed in terms of K_D, at least for actinides, is particularly influenced by physical and chemical parameters such as solution pH, PCO_2, and effective specific surface area A′. In TPA 3.2, an effort was made to incorporate indirectly the effects of geochemistry by using site-specific hydrochemical data to calculate K_D values for a limited suite of actinides (Am^{3+}, U^{6+}, Np^{5+}, Pu^{5+}, and Th^{4+}). The results of these model calculations provided constraints on K_D PDFs in the hydrologically saturated alluvium (hydrostratigraphic unit SAV). The correlation among the five different actinides is used to condition the LHS sampling of each PDF, and indirectly represents the geochemical link in sorption behavior.

Proposed Approach for Determining Sorption Parameters:

Considering the potentially large number of sorption parameters necessary to represent 16 radionuclides, 9 hydrostratigraphic units, and two types (fracture and matrix) of flow and transport, the use of correlation coefficients is a cumbersome means of addressing the effects of geochemistry. A more efficient means is proposed for implementation in TPA 4.0.

The proposed method would involve development of a $K_{A'}$ "response surface" to represent sorption as a function of critical parameters such as pH and total carbon (C_T). During a given TPA 4.0 realization, PDFs for pH and C_T would be sampled and the values used to determine the appropriate value for $K_{A'}$ from the response surface, either through a parametric representation of the surface or through interpolation of a look-table. To determine the value for K_D used in the transport calculation, the sampled $K_{A'}$ value would be normalized using the specific surface area and the relationship $K_D = K_{A'} \times A'$. The specific surface area A′ can either be determined through sampling a PDF, or using empirical relationships between porosity/permeability and surface area.

Implementation of a K_D response surface:

Development and implementation of the K_D response surface would occur through several steps:

- Experimental data would be used to calibrate geochemical sorption models. This has already been done to a limited extent for Am^{3+}, U^{6+}, Np^{5+}, Pu^{5+}, and Th^{4+}. Additional radioelements (Tc, I, and Se) have also been considered.

- The calibrated geochemical sorption models would be used to calculate radionuclide sorption expressed in terms of $K_{A'}$ over a broad range in pH and C_T. The proposed approach has been demonstrated using a diffuse-layer surface complexation model to develop a response surface for Np(V) sorption as a function of pH and PCO_2 (Figure 1). Both a look-up table (Table 1) and a series of parametric equations (Table 2) have been used to define this surface.

- Site specific geochemistry (Figures 2 and 3) can be used to constrain PDFs (Table 3) for sampling hydrochemical parameters such as pH and C_T. Because these parameters are linked through the

2/3/00
DRL

aqueous carbonate chemistry, correlation will have to be developed for the LHS routine, either explicitly through mass action and mass balance, or implicitly through a sample-by-sample comparison.

Conclusion:

Experimental sorption data over a wide range in chemical conditions is limited for a number of radionuclides of interest in TPA 4.0. Identifying appropriate data sets, calibrating sorption models, applying them to a broad range in conditions to develop the response surfaces, and identifying PDFs for the hydrochemical parameters is time consuming. Given the compressed time frame for the development of TPA 4.0, this approach would not be ready to replace the existing approach used in TPA 3.2. It is reasonable that this approach could be implemented in TPA 4.0 as an option for a few select radionuclides. For example, a response surface has been developed for Np(V) sorption (Figure 1). Testing would be used to ensure that the method is implemented correctly, and produces consistent results. Refinement of the approach and extension of the method to other radionuclides would be undertaken for the development of TPA 4.x and 5.x.

DRL

References:

Perfect, D.L., C.C. Faunt, W.C. Steinkampf, A.K. Turner, *Hydrochemical Data Base for the Death Valley Region, California and Nevada*, USGS Open-File Report 94-305, Denver, CO: U.S. Geological Survey, 1995.

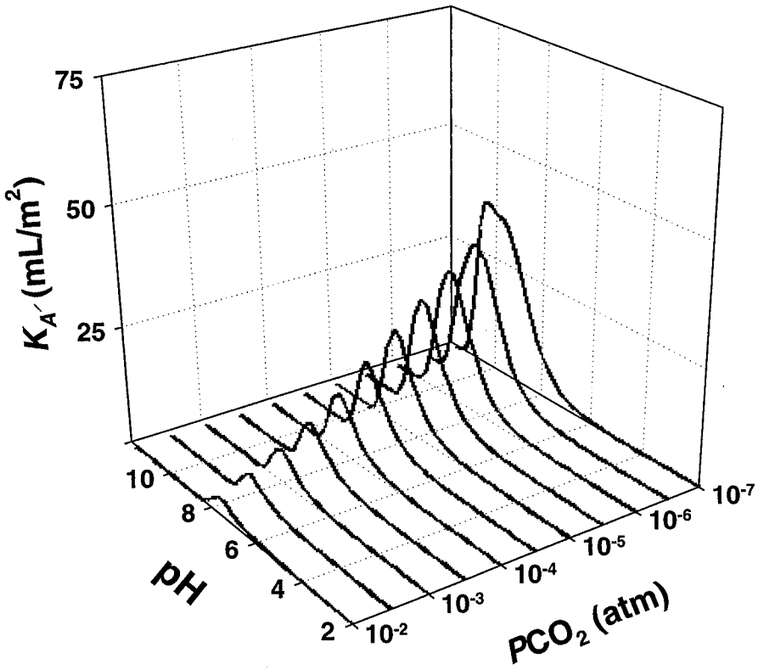


Figure 1. Sorption parameter response surface calculated for Np(V) using a diffuse-layer surface complexation model.

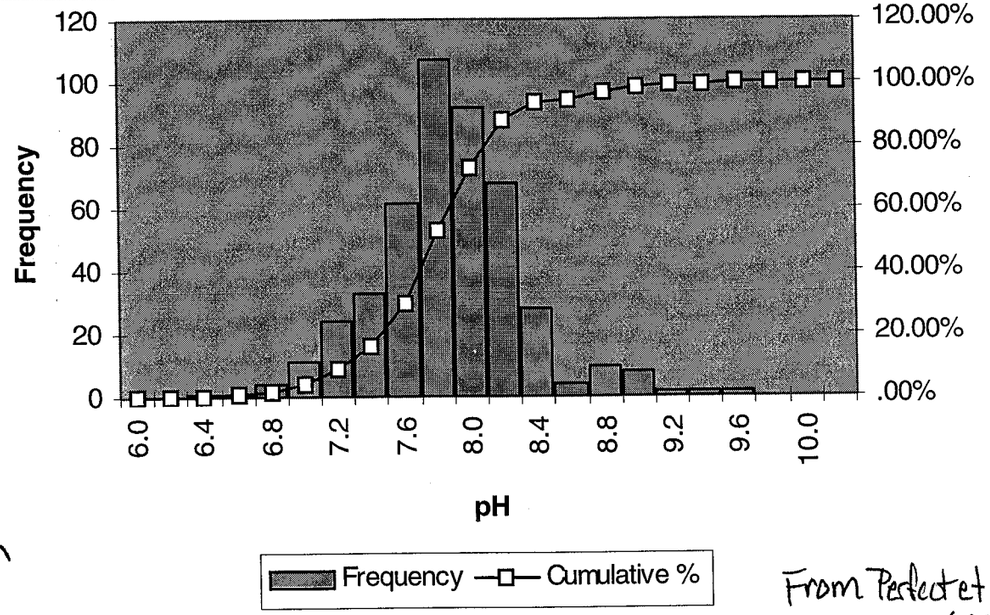
2/3/00
DRL

DRL

Table 1. Sample look-up table for Np(V) sorption response surface (K_A in mL/m^2). Np(V)$_{total}$ = 10^{-6} molal, M/V = 4 g/L

pH	Log PCO_2 (atm)												
	no CO_2	-7.00	-6.50	-6.00	-5.50	-5.00	-4.50	-4.00	-3.50	-3.00	-2.50	-2.00
2.00	0.23407	0.23407	0.23407	0.23407	0.23407	0.23407	0.23407	0.23407	0.23407	0.23407	0.23407	0.23407
2.25	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785
2.50	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785
2.75	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785
3.00	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785
3.25	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785
3.50	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785	0.20785
3.75	0.23407	0.23407	0.23407	0.23407	0.23407	0.23407	0.23407	0.23407	0.23407	0.23407	0.23407	0.23407
4.00	0.23407	0.23407	0.23407	0.23407	0.23407	0.23407	0.23407	0.23407	0.23407	0.23407	0.23407	0.23407
4.25	0.23407	0.23407	0.23407	0.23407	0.23407	0.23407	0.23407	0.23407	0.23407	0.23407	0.23407	0.23407
4.50	0.26034	0.26034	0.26034	0.26034	0.26034	0.26034	0.26034	0.26034	0.26034	0.26034	0.26034	0.26034
4.75	0.28666	0.28666	0.28666	0.28666	0.28666	0.28666	0.28666	0.28666	0.28666	0.28666	0.28666	0.28666
5.00	0.31303	0.31303	0.31303	0.31303	0.31303	0.31303	0.31303	0.31303	0.31303	0.31303	0.31303	0.31303
5.25	0.36595	0.36595	0.36595	0.36595	0.36595	0.36595	0.36595	0.36595	0.36595	0.36595	0.36595	0.36595
5.50	0.44572	0.44572	0.44572	0.44572	0.44572	0.44572	0.44572	0.44572	0.44572	0.44572	0.44572	0.44572
5.75	0.55285	0.55285	0.55285	0.55285	0.55285	0.55285	0.55285	0.55285	0.55285	0.55285	0.55285	0.55285
6.00	0.68799	0.68799	0.68799	0.68799	0.68799	0.68799	0.68799	0.68799	0.68799	0.68799	0.68799	0.68799
6.25	0.90713	0.90713	0.90713	0.90713	0.90713	0.90713	0.90713	0.90713	0.90713	0.90713	0.90713	0.90713
6.50	1.21444	1.21444	1.21444	1.21444	1.21444	1.21444	1.21444	1.21444	1.21444	1.21444	1.21444	1.18621
6.75	1.64510	1.64510	1.64510	1.64510	1.64510	1.64510	1.64510	1.64510	1.64510	1.64510	1.64510	1.64510
7.00	2.30218	2.30218	2.30218	2.30218	2.30218	2.30218	2.30218	2.30218	2.30218	2.27163	2.27163	2.24115
7.25	3.21803	3.25067	3.25067	3.25067	3.25067	3.25067	3.21803	3.21803	3.21803	3.21803	3.15295	2.99153
7.50	4.58393	4.58393	4.58393	4.58393	4.58393	4.58393	4.58393	4.54821	4.47703	4.23052	3.61471
7.75	6.48362	6.48362	6.48362	6.48362	6.48362	6.48362	6.48362	6.44330	6.32294	6.00633	5.12992	3.44811
8.00	9.10258	9.10258	9.10258	9.10258	9.10258	9.10258	9.00844	8.86820	8.36349	7.18486	4.83630	2.21073
8.25	12.46597	12.46597	12.46597	12.46597	12.40932	12.35283	12.12856	11.47131	9.82514	6.68675	3.05588	0.79711
8.50	16.54732	16.54732	16.54732	16.54732	16.40879	16.13444	15.33238	13.15912	8.96157	4.16083	1.10188	0.10351
8.75	21.25818	21.25818	21.17252	21.08716	20.74882	19.68218	16.89766	11.57926	5.42922	1.50003	0.15557	0.00000
9.00	26.08434	25.98021	25.87650	25.46576	24.17486	20.83294	14.37197	6.80986	1.91015	0.20785	0.00000	0.00000
9.25	30.37756	30.13395	29.65303	28.25866	24.56508	17.18213	8.27330	2.36348	0.28666	0.00000	0.00000	0.00000
9.50	33.88698	33.06972	31.62813	27.80933	19.84308	9.77604	2.86369	0.33946	0.02580	0.00000	0.00000	0.00000
9.75	36.78310	34.58558	30.87119	22.67266	11.63347	3.48128	0.44572	0.02580	0.00000	0.00000	0.00000	0.00000
10.00	40.82421	35.30073	27.14918	14.75070	4.65561	0.60674	0.02580	0.00000	0.00000	0.00000	0.00000	0.00000

2/3/00 DBS



From Perfect et al. (1995)

Figure 2. Distribution of pH for saturated zone regional groundwaters.

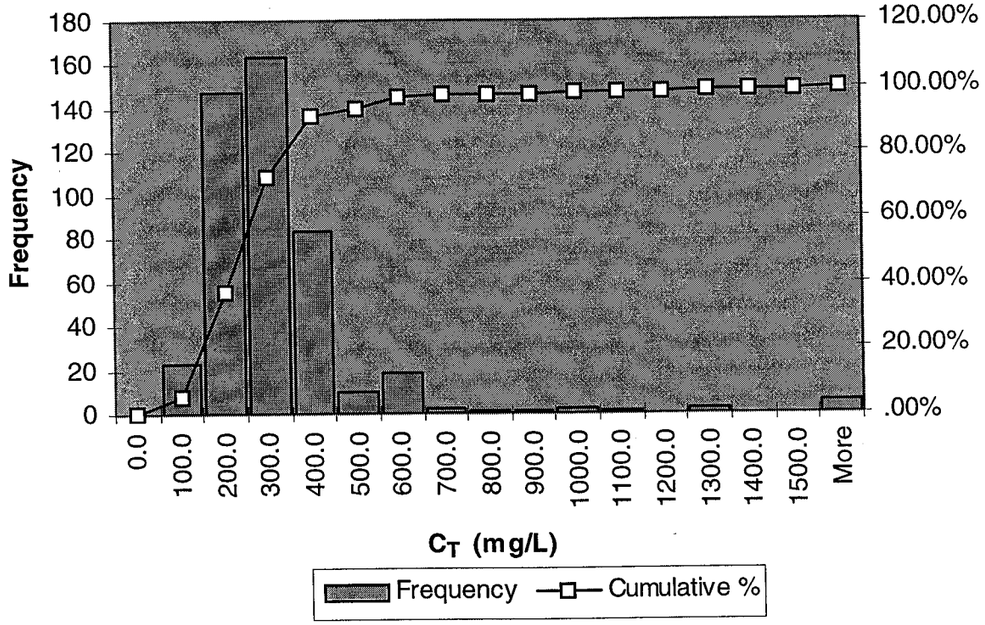


Figure 3. Distribution of total inorganic carbon (C_T in mg/L) for saturated zone regional groundwaters.

2/3/00 DBS

	pH (standard units)	C_T (mg/L)	Log PCO_2 (atm)
Mean	7.83	295.76	-2.50
Median	7.8	245.0	-2.45
Mode	7.8	300.0	-2.34
Standard Deviation	0.45	525.99	0.54
Kurtosis	1.75	270.67	3.73
Skewness	0.43	15.03	-1.30
Range	3.3	10133.20	4.311
Minimum	6.3	6.80	-5.08
Maximum	9.6	10140.00	-0.77
Count	460	460	460

Response surfaces for Am(III), Np(V), Pu(V), Th(IV), and U(VI) have been developed using the DLM parameters and MINTEQA2 geochemical sorption models described on pg 16 (U and Np) and pp. 65-66 (Am, Pu, and Th) of this scientific notebook (Notebook #252).

The models were run for the following range in chemical parameters:

- pH range of 5 - 10 (0.25 pH unit interval)
- Log (PCO2) from -0.5 through -5.0 atm (0.5 atm interval)
- Temperature of 25 °C
- Precipitation of radionuclide phases suppressed
- Dissolved radionuclide concentrations fixed at solubility limits from base case input file tpa.inp for TPA version 3.2 (Mohanty and McCartin, 1998).

2/3/00
DRS

MINTEQA2 input files:

```
Am fixed at TPA 3.2 mean sol lim; I.S.=0.008 (perfavg)
25.00 MOLAL  0.000  0.00000E-01
0 0 1 0 3 0 0 0 1 1 1 1 2
ACTIVITY   330 21
  0.25
surf1am3.123      40
4   1   7
1.000E+00   13.00 0.000 0.000 81
    330  0.000E-01   -5.00 y                    /H+1
     40  1.000E-08   -8.00 y                    /Am+3   <-- tpa.inp solubility limit
    500  8.128E-03   -2.09 y                    /Na+1
    180  8.128E-03   -2.09 y                    /Cl-1
    140  0.000E-01  -16.00 y                    /CO3-2
    813  0.000E-01    0.00 y                    /ADS1PSIo
    811  4.986E-05   -4.30 y                    /ADS1TYP1
  3   2
3301403    18.6600    -0.5300                  /co2 (g)
    330     5.0000     0.0000                  /H+1
  6   1
    813     0.0000     0.0000                  /ADS1PSIo
  2   3
8113300 >AlO-            0.0000   -9.0500   0.000   0.000 0.00 0.00 0.00   0.0000
 0.00 3   1.000 811  -1.000 330  -1.000 813   0.000   0   0.000   0   0.000   0
  0.000   0   0.000   0   0.000   0   0.000   0   0.000   0   0.000   0
0  0.000   0   0.000   0   0.000   0
8113301 >AlOH2+          0.0000    6.8500   0.000   0.000 0.00 0.00 0.00   0.0000
 0.00 3   1.000 811   1.000 330   1.000 813   0.000   0   0.000   0   0.000   0
  0.000   0   0.000   0   0.000   0   0.000   0   0.000   0   0.000   0
0  0.000   0   0.000   0   0.000   0
8110400 >AlOAm+2         0.0000    4.6600   0.000   0.000 0.00 0.00 0.00   0.0000
 0.00 4   1.000 811   1.000  40  -1.000 330   2.000 813   0.000   0   0.000   0
  0.000   0   0.000   0   0.000   0   0.000   0   0.000   0   0.000   0
0  0.000   0   0.000   0   0.000   0
```


2/3/00
DRS

```
Calculations for Np(V) Sorp Response Surf; pCO2=1e-0.5
Np fixed at TPA 3.2 mean sol lim; I.S.=0.008 (perfavg)
25.00 MOLAL  0.000  0.00000E-01
0 0 1 0 3 0 0 0 1 1 1 1 2
ACTIVITY   330 21
  0.25
surf1np5.123      552
4   1   7
1.000E+00    9.70 0.000 0.000 81
    330  0.000E-01   -5.00 y                    /H+1
    552  1.400E-04   -3.85 y                    /NpO2+1
    500  8.128E-03   -2.09 y                    /Na+1
    180  8.128E-03   -2.09 y                    /Cl-1
    140  0.000E-01  -16.00 y                    /CO3-2
    813  0.000E-01    0.00 y                    /ADS1PSIo
    811  1.687E-05   -4.77 y                    /ADS1TYP1
    812  2.033E-05   -4.69 y                    /ADS1TYP2
  2   4
5523300   -10.0000    10.5015                  /npo2(oh)
5521400     4.0000    12.7951                  /npo2(co3)-1
5521401     7.0000     7.1390                  /npo2(co3)2-3
5521402     8.5000     6.2630                  /npo2(co3)3-5
  3   2
3301403    18.6600    -0.5300                  /co2 (g)
    330     5.0000     0.0000                  /H+1
  6   1
    813     0.0000     0.0000                  /ADS1PSIo
  2   6
5523301 npo2(oh)2-       0.0000  -22.4000   0.000   0.000-1.00 4.00 0.00   0.0000
 0.00 3  -2.000 330   1.000 552   2.000   2   0.000   0   0.000   0   0.000   0
  0.000   0   0.000   0   0.000   0   0.000   0   0.000   0   0.000   0
0  0.000   0   0.000   0   0.000   0
8113300 >AlO-            0.0000   -9.7300   0.000   0.000-1.00 0.00 0.00   0.0000
 0.00 3   1.000 811  -1.000 330  -1.000 813   0.000   0   0.000   0   0.000   0
  0.000   0   0.000   0   0.000   0   0.000   0   0.000   0   0.000   0
0  0.000   0   0.000   0   0.000   0
8113301 >AlOH2+          0.0000    8.3300   0.000   0.000 1.00 0.00 0.00   0.0000
 0.00 3   1.000 811   1.000 330   1.000 813   0.000   0   0.000   0   0.000   0
  0.000   0   0.000   0   0.000   0   0.000   0   0.000   0   0.000   0
0  0.000   0   0.000   0   0.000   0
8115520 >AlONpO2OH-      0.0000  -13.7900   0.000   0.000-1.00 0.00 0.00   0.0000
 0.00 5   1.000 811   1.000 552   1.000   2  -2.000 330  -1.000 813   0.000   0
  0.000   0   0.000   0   0.000   0   0.000   0   0.000   0   0.000   0
0  0.000   0   0.000   0   0.000   0
8123300 >SiO-            0.0000   -7.2000   0.000   0.000-1.00 0.00 0.00   0.0000
 0.00 3   1.000 812  -1.000 330  -1.000 813   0.000   0   0.000   0   0.000   0
  0.000   0   0.000   0   0.000   0   0.000   0   0.000   0   0.000   0
0  0.000   0   0.000   0   0.000   0
8125520 >SiOHNpO2+       0.0000    4.0500   0.000   0.000 1.00 0.00 0.00   0.0000
 0.00 3   1.000 812   1.000 552   1.000 813   0.000   0   0.000   0   0.000   0
  0.000   0   0.000   0   0.000   0   0.000   0   0.000   0   0.000   0
0  0.000   0   0.000   0   0.000   0
```

2/3/00 DBJ

```
Calculations for Pu(V) Sorp Response Surf; pCO2=1e-0.5
Pu fixed at TPA 3.2 mean sol lim; I.S.=0.008 (perfavg)
25.00 MOLAL  0.000  0.00000E-01
0 0 1 0 3 0 0 0 1 1 1 1 2
ACTIVITY   330 21
  0.25
surf1pu5.123      642
4   1   7
1.000E+00   13.00 0.000 0.000 81
    330  0.000E-01   -5.00 y                    /H+1
    642  9.800E-08   -7.00 y                    /PuO2+1
    500  8.128E-03   -2.09 y                    /Na+1
    180  8.128E-03   -2.09 y                    /Cl-1
    140  0.000E-01  -16.00 y                    /CO3-2
    813  0.000E-01    0.00 y                    /ADS1PSIo
    811  4.986E-05   -4.30 y                    /ADS1TYP1

  3   2
3301403    18.6600    -0.5300                  /co2 (g)
    330     5.0000     0.0000                  /H+1
  6   1
    813     0.0000     0.0000                  /ADS1PSIo

  2   3
8113300 >AlO-            0.0000   -9.0500   0.000   0.000 0.00 0.00 0.00   0.0000
 0.00 3   1.000 811  -1.000 330  -1.000 813   0.000   0   0.000   0   0.000   0
  0.000   0   0.000   0   0.000   0   0.000   0   0.000   0
0  0.000   0   0.000   0   0.000   0
8113301 >AlOH2+          0.0000    6.8500   0.000   0.000 0.00 0.00 0.00   0.0000
 0.00 3   1.000 811   1.000 330   1.000 813   0.000   0   0.000   0   0.000   0
  0.000   0   0.000   0   0.000   0   0.000   0   0.000   0
0  0.000   0   0.000   0   0.000   0
8116420 >AlOPuO2         0.0000   -2.1800   0.000   0.000 0.00 0.00 0.00   0.0000
 0.00 3   1.000 811   1.000 642  -1.000 330   0.000   0   0.000   0   0.000   0
  0.000   0   0.000   0   0.000   0   0.000   0   0.000   0
0  0.000   0   0.000   0   0.000   0
```


2/3/00 DBJ

DBJ comm

```
Calculations for Th(IV) Sorp Response Surf; pCO2=1e-0.5
Th fixed at TPA 3.2 mean sol lim; I.S.=0.008 (perfavg)
25.00 MOLAL  0.000  0.00000E-01
0 0 1 0 3 0 0 0 1 1 1 1 2
ACTIVITY   330 21
  0.25
surf1th4.123      866
4   1   7
1.000E+00   13.00 0.000 0.000 81
    330  0.000E-01   -5.00 y                    /H+1
    866  9.900E-07   -6.00 y                    /Th+4
    500  8.128E-03   -2.09 y                    /Na+1
    180  8.128E-03   -2.09 y                    /Cl-1
    140  0.000E-01  -16.00 y                    /CO3-2
    813  0.000E-01    0.00 y                    /ADS1PSIo
    811  4.986E-05   -4.30 y                    /ADS1TYP1

  3   2
3301403    18.6600    -0.5300                  /co2 (g)
    330     5.0000     0.0000                  /H+1
  6   1
    813     0.0000     0.0000                  /ADS1PSIo

  2   3
8113300 >AlO-            0.0000   -9.0500   0.000   0.000 0.00 0.00 0.00   0.0000
 0.00 3   1.000 811  -1.000 330  -1.000 813   0.000   0   0.000   0   0.000   0
  0.000   0   0.000   0   0.000   0   0.000   0   0.000   0
0  0.000   0   0.000   0   0.000   0
8113301 >AlOH2+          0.0000    6.8500   0.000   0.000 0.00 0.00 0.00   0.0000
 0.00 3   1.000 811   1.000 330   1.000 813   0.000   0   0.000   0   0.000   0
  0.000   0   0.000   0   0.000   0   0.000   0   0.000   0
0  0.000   0   0.000   0   0.000   0
8118660 >AlOTh+3         0.0000   15.3000   0.000   0.000 3.00 0.00 0.00   0.0000
 0.00 4   1.000 811   1.000 866  -1.000 330   3.000 813   0.000   0   0.000   0
  0.000   0   0.000   0   0.000   0   0.000   0   0.000   0
0  0.000   0   0.000   0   0.000   0
```

166

2/3/00

```
Calculations for U(VI) Sorp Response Surf; pCO2=1e-0.5
U fixed at TPA 3.2 mean sol lim; I.S.=0.008 (perfavg)
25.00 MOLAL  0.000  0.00000E-01
0 0 1 0 3 0 0 0 1 1 1 1 2
ACTIVITY   330 21
  0.25
surf1u6.123       893
4   1   7
1.000E+00    9.70 0.000 0.000 81
    330  0.000E-01   -5.00 y                    /H+1
    893  3.200E-05   -4.49 y                    /UO2+2
    500  8.128E-03   -2.09 y                    /Na+1
    180  8.128E-03   -2.09 y                    /Cl-1
    140  0.000E-01  -16.00 y                    /CO3-2
    813  0.000E-01    0.00 y                    /ADS1PSIo
    811  1.687E-05   -4.77 y                    /ADS1TYP1
    812  2.033E-05   -4.69 y                    /ADS1TYP2

  2   1
8933301   -13.0000    18.0940                   /uo2(oh)2
  3   2
3301403    18.6600    -0.5300                   /co2 (g)
    330     5.0000     0.0000                   /H+1
  6   1
    813     0.0000     0.0000                   /ADS1PSIo

  2   7
8113300 SiO-            0.0000   -7.2000   0.000   0.000-1.00 0.00 0.00   0.0000
 0.00 3   1.000 811  -1.000 330  -1.000 813   0.000   0   0.000   0   0.000   0
  0.000   0   0.000   0   0.000   0   0.000   0   0.000   0   0.000   0
0  0.000   0   0.000   0   0.000   0
8118930 SiOUO2+         0.0000    2.6000   0.000   0.000 1.00 0.00 0.00   0.0000
 0.00 4   1.000 811   1.000 893  -1.000 330   1.000 813   0.000   0   0.000   0
  0.000   0   0.000   0   0.000   0   0.000   0   0.000   0   0.000   0
0  0.000   0   0.000   0   0.000   0
8118931 SiOU3OH5        0.0000  -15.2900   0.000   0.000 0.00 0.00 0.00   0.0000
 0.00 4   1.000 811   3.000 893   5.000   2  -6.000 330   0.000   0   0.000   0
  0.000   0   0.000   0   0.000   0   0.000   0   0.000   0   0.000   0
0  0.000   0   0.000   0   0.000   0
8123300 AlOH2+          0.0000    8.3300   0.000   0.000 1.00 0.00 0.00   0.0000
 0.00 3   1.000 812   1.000 330   1.000 813   0.000   0   0.000   0   0.000   0
  0.000   0   0.000   0   0.000   0   0.000   0   0.000   0   0.000   0
0  0.000   0   0.000   0   0.000   0
8123301 AlO-            0.0000   -9.7300   0.000   0.000-1.00 0.00 0.00   0.0000
 0.00 3   1.000 812  -1.000 330  -1.000 813   0.000   0   0.000   0   0.000   0
  0.000   0   0.000   0   0.000   0   0.000   0   0.000   0   0.000   0
0  0.000   0   0.000   0   0.000   0
8128930 AlOUO2+         0.0000    2.7000   0.000   0.000 1.00 0.00 0.00   0.0000
 0.00 4   1.000 812   1.000 893  -1.000 330   1.000 813   0.000   0   0.000   0
  0.000   0   0.000   0   0.000   0   0.000   0   0.000   0   0.000   0
0  0.000   0   0.000   0   0.000   0
8128931 AlOU3OH5        0.0000  -14.9500   0.000   0.000 0.00 0.00 0.00   0.0000
 0.00 4   1.000 812   3.000 893   5.000   2  -6.000 330   0.000   0   0.000   0
  0.000   0   0.000   0   0.000   0   0.000   0   0.000   0   0.000   0
0  0.000   0   0.000   0   0.000   0
```

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1																			
2	pH	Dissolved	Sorbed	%sorbed(A	Kd(mL/g)(Am)	Ka'(mL/m2)(Am)	Log Ka'		Ka'										
3		Am=1.0e-8	1 g/L; 13 m2/g						Am(III)	Log p(CO2)									
4	PCO2=1e-0.5								pH	-0.5	-1.0	-1.5	-2.0	-2.5	-3.0	-3.5	-4.0	-4.5	-5.0
5	5.00	4.51E-09	5.49E-09	54.90	1217.3	93.64	1.97		5.00	94	97	98	98	98	98	98	98	98	98
6	5.25	1.91E-09	8.09E-09	80.90	4235.6	325.82	2.51		5.25	326	363	376	378	381	381	381	381	381	381
7	5.50	7.31E-10	9.27E-09	92.69	12681.3	975.48	2.99		5.50	975	1270	1411	1464	1481	1487	1490	1490	1490	1490
8	5.75	3.28E-10	9.67E-09	96.72	29481.7	2267.82	3.36		5.75	2268	3827	4985	5536	5752	5796	5840	5840	5840	5840
9	6.00	1.81E-10	9.82E-09	98.19	54254.1	4173.40	3.62		6.00	4173	9052	15216	19595	21582	22294	22557	22623	22623	22623
10	6.25	1.13E-10	9.89E-09	98.87	87522.1	6732.47	3.83		6.25	6732	16896	36732	60036	75339	82276	84632	85385	85670	85766
11	6.50	7.55E-11	9.92E-09	99.24	131390.7	10106.98	4.00		6.50	10107	27488	71154	148927	231000	280741	300481	307692	310174	310174
12	6.75	5.50E-11	9.95E-09	99.45	180909.1	13916.08	4.14		6.75	13916	41722	118957	300481	587199	842531	976181	1028383	1046572	1052299
13	7.00	5.00E-11	9.95E-09	99.50	199000.0	15307.69	4.18		7.00	15308	57348	184026	526870	1240695	2166847	2838490	3139717	3245699	3287311
14	7.25	7.22E-11	9.93E-09	99.28	137534.6	10579.59	4.02		7.25	10580	63509	257268	841609	2289377	4777831	7256894	8643042	9201325	9392317
15	7.50	2.22E-10	9.78E-09	97.78	44054.1	3388.77	3.53		7.50	3389	45426	287026	1203804	3827019	9312721	16331863	21308332	23523877	24342746
16	7.75	1.36E-09	8.64E-09	86.40	6352.9	488.69	2.69		7.75	489	16460	211909	1368738	5656109	16297262	32873110	47192072	54555374	57405281
17	8.00	6.18E-09	3.82E-09	38.20	618.1	47.55	1.68		8.00	48	2633	84726	1036699	6574622	25056377	59630292	94037991	113623452	121521449
18	8.25	9.42E-09	5.81E-10	5.81	61.7	4.74	0.68		8.25	5	238	15588	447227	5162623	30525031	95675469	170940171	216684724	235238767
19	8.50	9.91E-09	8.54E-11	0.85	8.6	0.66	-0.18		8.50	1	18	1462	93487	2338087	24975025	124672734	281769513	380807312	420344683
20	8.75	9.98E-09	2.01E-11	0.20	2.0	0.15	-0.81		8.75	0	2	91	9515	541712	11926058	111321385	396510706	620347395	705716302
21	9.00	9.99E-09	7.82E-12	0.08	0.8	0.06	-1.22		9.00	0	0	5	548	60036	2970003	57405281	411353353	914662032	1110091110
22	9.25	9.99E-09	5.46E-12	0.05	0.5	0.04	-1.38		9.25	0	0	1	23	3359	352858	15202189	248941997	1110011110	1636661211
23	9.50	1.00E-08	7.84E-13	0.01	0.1	0.01	-2.22		9.50	0	0	0	1	106	19106	1876173	71890726	869187310	2154708037
24	9.75	1.00E-08	1.08E-13	0.00	0.0	0.00	-3.08		9.75	0	0	#VALUE!	0	4	473	98018	9092562	304043782	2166847237
25	10.00	1.00E-08	1.44E-14	0.00	0.0	0.00	-3.96		10.00	0	0	#VALUE!	#VALUE!	0	13	1947	449843	40064103	1065416578
26	PCO2=1e-1.0																		
27	5.00	4.43E-09	5.57E-09	55.70	1257.3	96.72	1.99		Log(Ka')	Log p(CO2)									
28	5.25	1.75E-09	8.25E-09	82.50	4714.3	362.64	2.56		pH	-0.5	-1.0	-1.5	-2.0	-2.5	-3.0	-3.5	-4.0	-4.5	-5.0
29	5.50	5.71E-10	9.43E-09	94.29	16514.9	1270.38	3.10		5.00	1.97	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99
30	5.75	1.97E-10	9.80E-09	98.03	49746.2	3826.63	3.58		5.25	2.51	2.56	2.57	2.58	2.58	2.58	2.58	2.58	2.58	2.58
31	6.00	8.43E-11	9.92E-09	99.16	117675.0	9051.92	3.96		5.50	2.99	3.10	3.15	3.17	3.17	3.17	3.17	3.17	3.17	3.17
32	6.25	4.53E-11	9.95E-09	99.55	219646.8	16895.91	4.23		5.75	3.36	3.58	3.70	3.74	3.76	3.76	3.77	3.77	3.77	3.77
33	6.50	2.79E-11	9.97E-09	99.72	357347.7	27488.28	4.44		6.00	3.62	3.96	4.18	4.29	4.33	4.35	4.35	4.35	4.35	4.35
34	6.75	1.84E-11	9.98E-09	99.82	542391.3	41722.41	4.62		6.25	3.83	4.23	4.57	4.78	4.88	4.92	4.93	4.93	4.93	4.93
35	7.00	1.34E-11	9.99E-09	99.87	745522.4	57347.88	4.76		6.50	4.00	4.44	4.85	5.17	5.36	5.45	5.48	5.49	5.49	5.49
36	7.25	1.21E-11	9.99E-09	99.88	825619.8	63509.22	4.80		6.75	4.14	4.62	5.08	5.48	5.77	5.93	5.99	6.01	6.02	6.02
37	7.50	1.69E-11	9.98E-09	99.83	590532.5	45425.58	4.66		7.00	4.18	4.76	5.26	5.72	6.09	6.34	6.45	6.50	6.51	6.52
38	7.75	4.65E-11	9.95E-09	99.53	213978.5	16459.88	4.22		7.25	4.02	4.80	5.41	5.93	6.36	6.68	6.86	6.94	6.96	6.97
39	8.00	2.84E-10	9.72E-09	97.16	34225.4	2632.72	3.42		7.50	3.53	4.66	5.46	6.08	6.58	6.97	7.21	7.33	7.37	7.39
40	8.25	2.44E-09	7.56E-09	75.60	3098.4	238.34	2.38		7.75	2.69	4.22	5.33	6.14	6.75	7.21	7.52	7.67	7.74	7.76
41	8.50	8.13E-09	1.87E-09	18.70	230.0	17.69	1.25		8.00	1.68	3.42	4.93	6.02	6.82	7.40	7.78	7.97	8.06	8.08
42	8.75	9.80E-09	1.98E-10	1.98	20.2	1.55	0.19		8.25	0.68	2.38	4.19	5.65	6.71	7.48	7.98	8.23	8.34	8.37
43	9.00	9.97E-09	2.98E-11	0.30	3.0	0.23	-0.64		8.50	-0.18	1.25	3.16	4.97	6.37	7.40	8.10	8.45	8.58	8.62
44	9.25	9.99E-09	7.90E-12	0.08	0.8	0.06	-1.22		8.75	-0.81	0.19	1.96	3.98	5.73	7.08	8.05	8.60	8.79	8.85
45	9.50	9.98E-09	2.47E-11	0.25	2.5	0.19	-0.72		9.00	-1.22	-0.64	0.73	2.74	4.78	6.47	7.76	8.61	8.96	9.05
46	9.75	1.00E-08	3.43E-12	0.03	0.3	0.03	-1.58		9.25	-1.38	-1.22	-0.29	1.36	3.53	5.55	7.18	8.40	9.05	9.21
47	10.00	1.00E-08	4.57E-13	0.00	0.0	0.00	-2.45		9.50	-2.22	-0.72	-1.01	0.16	2.03	4.28	6.27	7.86	8.94	9.33
48	PCO2=1e-1.5								9.75	-3.08	-1.58	#VALUE!	-0.68	0.64	2.67	4.99	6.96	8.48	9.34
49	5.00	4.40E-09	5.60E-09	56.00	1272.7	97.90	1.99		10.00	-3.96	-2.45	#VALUE!	#VALUE!	-0.32	1.13	3.29	5.65	7.60	9.03
50	5.25	1.70E-09	8.30E-09	83.00	4882.4	375.57	2.57												
51	5.50	5.17E-10	9.48E-09	94.83	18336.6	1410.50	3.15												
52	5.75	1.52E-10	9.85E-09	98.48	64802.6	4984.82	3.70												
53	6.00	5.03E-11	9.95E-09	99.50	197813.1	15216.39	4.18												
54	6.25	2.09E-11	9.98E-09	99.79	477512.0	36731.69	4.57												
55	6.50	1.08E-11	9.99E-09	99.89	925000.0	71153.85	4.85												
56	6.75	6.46E-12	9.99E-09	99.94	1546439.6	118956.89	5.08												
57	7.00	4.18E-12	1.00E-08	99.96	2392344.5	184026.50	5.26												
58	7.25	2.99E-12	1.00E-08	99.97	3344481.6	257267.82	5.41												
59	7.50	2.68E-12	1.00E-08	99.97	3731343.3	287026.41	5.46												
60	7.75	3.63E-12	1.00E-08	99.96	2754820.9	211909.30	5.33												
61	8.00	9.07E-12	9.99E-09	99.91	1101433.3	84725.64	4.93												
62	8.25	4.91E-11	9.95E-09	99.51	202647.7	15588.28	4.19												
63	8.50	5.00E-10	9.50E-09	95.00	19000.0	1461.54	3.16												
64	8.75	4.57E-09	5.43E-09	54.30	1188.2	91.40	1.96												
65	9.00	9.34E-09	6.55E-10	6.55	70.1	5.39	0.73												
66	9.25	9.93E-09	6.66E-11	0.67	6.7	0.52	-0.29												
67	9.50	9.99E-09	1.28E-11	0.13	1.3	0.10	-1.01												
68	9.75	***	***	#VALUE!	#VALUE!	#VALUE!	#VALUE!												
69	10.00	***	***	#VALUE!	#VALUE!	#VALUE!	#VALUE!												
70	PCO2=1e-2.0																		
71	5.00	4.39E-09	5.61E-09	56.10	1277.9	98.30	1.99												
72	5.25	1.69E-09	8.31E-09	83.10	4917.2	378.24	2.58												
73	5.50	4.99E-10	9.50E-09	95.01	19038.1	1464.47	3.17												
74	5.75	1.37E-10	9.86E-09	98.63	71970.8	5536.22	3.74												
75	6.00	3.91E-11	9.96E-09	99.61	254731.5	19594.73	4.29												
76	6.25	1.28E-11	9.99E-09	99.87	780468.8	60036.06	4.78												
77	6.50	5.16E-12	9.99E-09	99.95	1936046.5	148926.65	5.17												
78	6.75	2.56E-12	1.00E-08	99.97	3906250.0	300480.77	5.48												
79	7.00	1.46E-12	1.00E-08	99.99	6849315.1	526870.39	5.72												
80	7.25	9.14E-13	1.00E-08	99.99	10940919.0	841609.16	5.93												
81	7.50	6.39E-13	1.00E-08	99.99	15649452.3	1203804.02	6.08												
82	7.75	5.62E-13	1.00E-08	99.99	17793594.3	1368738.02	6.14												
83	8.00	7.42E-13	1.00E-08	99.99	13477088.9	1036699.15	6.02												
84	8.25	1.72E-12	1.00E-08	99.98	5813953.5	447227.19	5.65												
85	8.50	8.22E-12	9.99E-09	99.92	1215328.5	93486.81	4.97												
86	8.75	8.02E-11	9.92E-09	99.20	123690.8	9514.67	3.98												
87	9.00	1.23E-09	8.77E-09	87.70	7130.1	548.47	2.74												
88	9.25	7.69E-09	2.31E-09	23.10	300.4	23.11	1.36												
89	9.50	9.81E-09	1.85E-10	1.85	18.9	1.45	0.16												
90	9.75	9.97E-09	2.68E-11	0.27	2.7	0.21	-0.68												
91	10.00	***	***	#VALUE!	#VALUE!	#VALUE!	#VALUE!												
92	PCO2=1e-2.5																		
93	5.00	4.39E-09	5.61E-09	56.10	1277.9	98.30	1.99												
94	5.25	1.68E-09	8.32E-09	83.20	4952.4	380.95	2.58												
95	5.50	4.94E-10	9.51E-09	95.06	19251.0	1480.85	3.17												
96	5.75	1.32E-10	9.87E-09	98.68	74772.7	5751.75	3.76												
97	6.00	3.55E-11	9.96E-09	99.64	280563.4	21581.80	4.33												
98	6.25	1.02E-11	9.99E-09	99.90	979411.8	75339.37	4.88												
99	6.50	3.33E-12	1.00E-08	99.97	3003003.0	231000.23	5.36												
100	6.75	1.31E-12	1.00E-08	99.99	7633587.8	587199.06	5.77												
101	7.00	6.20E-13	1.00E-08	99.99	16129032.3	1240894.79	6.09												
102	7.25	3.36E-13	1.00E-08	100.00	29761904.8	2289377.29	6.36												
103	7.50	2.01E-13	1.00E-08	100.00	49751243.8	3827018.75	6.58												
104	7.75	1.36E-13	1.00E-08	100.00	73529411.8	5656108.60	6.75												
105	8.00	1.17E-13	1.00E-08	100.00	85470085.5	6574621.96	6.82												
106	8.25	1.49E-13	1.00E-08	100.00	67114094.0	5162622.61	6.71												
107	8.50	3.29E-13	1.00E-08	100.00	30395136.8	2338087.44	6.37												
108	8.75	1.42E-12	1.00E-08	99.99	7042253.5	541711.81	5.73												
109	9.00	1.28E-11	9.99E-09	99.87	780468.8	60036.06	4.78												
110	9.25	2.24E-10	9.78E-09	97.76	43660.7	3358.52	3.53												
111	9.50	4.20E-09	5.80E-09	58.00	1381.0	106.23	2.03												
112	9.75	9.46E-09	5.42E-10	5.42	57.3	4.41	0.64												
113	10.00	9.94E-09	6.19E-11	0.62	6.2	0.48	-0.32												
114	PCO2=1e-3.0																		
115	5.00	4.39E-09	5.61E-09	56.10	1277.9	98.30	1.99												
116	5.25	1.68E-09	8.32E-09	83.20	4952.4	380.95	2.58												
117	5.50	4.92E-10	9.51E-09	95.08	19329.3	1486.87	3.17												
118	5.75	1.31E-10	9.87E-09	98.69	75343.5	5795.65	3.76												
119	6.00	3.44E-11	9.97E-09	99.66	289825.6	22294.28	4.35												
120	6.25	9.34E-12	9.99E-09	99.91	1069593.1	82276.40	4.92												
121	6.50	2.74E-12	1.00E-08	99.97	3649635.0	280741.16	5.45												
122	6.75	9.13E-13	1.00E-08	99.99	10952902.5	842530.96	5.93												
123	7.00	3.55E-13	1.00E-08	100.00	28169014.1	2166847.24	6.34												
124	7.25	1.61E-13	1.00E-08	100.00	62111801.2	4777830.86	6.68												
125	7.50	8.26E-14	1.00E-08	100.00	121065375.3	9312721.18	6.97												
126	7.75	4.72E-14	1.00E-08	100.00	211864406.8	16297262.06	7.21												
127	8.00	3.07E-14	1.00E-08	100.00	325732899.0	25056376.85	7.40												
128	8.25	2.52E-14	1.00E-08	100.00	396825396.8	30525030.53	7.48												
129	8.50	3.08E-14	1.00E-08	100.00	324675324.7	24975024.98	7.40												
130	8.75	6.45E-14	1.00E-08	100.00	155038759.7	11926058.44	7.08												
131	9.00	2.59E-13	1.00E-08	100.00	38610038.6	2970002.97	6.47												
132	9.25	2.18E-12	1.00E-08	99.98	4587156.0	352858.15	5.55												
133	9.50	4.01E-11	9.96E-09	99.60	248379.1	19106.08	4.28												
134	9.75	1.40E-09	8.60E-09	86.00	6142.9	472.53	2.67												
135	10.00	8.51E-09	1.49E-09	14.90	175.1	13.47	1.13												

2/3/00 DRL

DRL

167

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
136	PCO2=1e-3.5																		
137	5.00	4.39E-09	5.61E-09	56.10	1277.9	98.30	1.99												
138	5.25	1.68E-09	8.32E-09	83.20	4952.4	380.95	2.58												
139	5.50	4.91E-10	9.51E-09	95.09	19368.6	1489.90	3.17												
140	5.75	1.30E-10	9.87E-09	98.70	75923.1	5840.24	3.77												
141	6.00	3.40E-11	9.97E-09	99.66	293235.3	22556.56	4.35												
142	6.25	9.08E-12	9.99E-09	99.91	1100220.3	84632.33	4.93												
143	6.50	2.56E-12	1.00E-08	99.97	3906250.0	300480.77	5.48												
144	6.75	7.88E-13	1.00E-08	99.99	12690355.3	976181.18	5.99												
145	7.00	2.71E-13	1.00E-08	100.00	36900369.0	2838489.92	6.45												
146	7.25	1.06E-13	1.00E-08	100.00	94339622.6	7256894.05	6.86												
147	7.50	4.71E-14	1.00E-08	100.00	212314225.1	16331863.47	7.21												
148	7.75	2.34E-14	1.00E-08	100.00	427350427.4	32873109.80	7.52												
149	8.00	1.29E-14	1.00E-08	100.00	775193798.4	59630292.19	7.78												
150	8.25	8.04E-15	1.00E-08	100.00	1243781094.5	95675468.81	7.98												
151	8.50	6.17E-15	1.00E-08	100.00	1620745542.9	124672734.07	8.10												
152	8.75	6.91E-15	1.00E-08	100.00	1447178002.9	111321384.84	8.05												
153	9.00	1.34E-14	1.00E-08	100.00	746268656.7	57405281.29	7.76												
154	9.25	5.08E-14	1.00E-08	100.00	197628458.5	15202189.12	7.18												
155	9.50	4.10E-13	1.00E-08	100.00	24390243.9	1876172.61	6.27												
156	9.75	7.84E-12	9.99E-09	99.92	1274234.7	98018.05	4.99												
157	10.00	3.80E-10	9.62E-09	96.20	25315.8	1947.37	3.29												
158	PCO2=1e-4.0																		
159	5.00	4.39E-09	5.61E-09	56.10	1277.9	98.30	1.99												
160	5.25	1.68E-09	8.32E-09	83.20	4952.4	380.95	2.58												
161	5.50	4.91E-10	9.51E-09	95.09	19368.6	1489.90	3.17												
162	5.75	1.30E-10	9.87E-09	98.70	75923.1	5840.24	3.77												
163	6.00	3.39E-11	9.97E-09	99.66	294100.3	22623.10	4.35												
164	6.25	9.00E-12	9.99E-09	99.91	1110000.0	85384.62	4.93												
165	6.50	2.50E-12	1.00E-08	99.98	4000000.0	307692.31	5.49												
166	6.75	7.48E-13	1.00E-08	99.99	13368984.0	1028383.38	6.01												
167	7.00	2.45E-13	1.00E-08	100.00	40816326.5	3139717.43	6.50												
168	7.25	8.90E-14	1.00E-08	100.00	112359550.6	8643042.35	6.94												
169	7.50	3.61E-14	1.00E-08	100.00	277008310.2	21308331.56	7.33												
170	7.75	1.63E-14	1.00E-08	100.00	613496932.5	47192071.73	7.67												
171	8.00	8.18E-15	1.00E-08	100.00	1222493887.5	94037991.35	7.97												
172	8.25	4.50E-15	1.00E-08	100.00	2222222222.2	170940170.94	8.23												
173	8.50	2.73E-15	1.00E-08	100.00	3663003663.0	281769512.54	8.45												
174	8.75	1.94E-15	1.00E-08	100.00	5154639175.3	396510705.79	8.60												
175	9.00	1.87E-15	1.00E-08	100.00	5347593582.9	411353352.53	8.61												
176	9.25	3.09E-15	1.00E-08	100.00	3236245954.7	248941996.51	8.40												
177	9.50	1.07E-14	1.00E-08	100.00	934579439.3	71890726.10	7.86												
178	9.75	8.46E-14	1.00E-08	100.00	118203309.7	9092562.28	6.96												
179	10.00	1.71E-12	1.00E-08	99.98	5847953.2	449842.56	5.65												
180	PCO2=1e-4.5																		
181	5.00	4.39E-09	5.61E-09	56.10	1277.9	98.30	1.99												
182	5.25	1.68E-09	8.32E-09	83.20	4952.4	380.95	2.58												
183	5.50	4.91E-10	9.51E-09	95.09	19368.6	1489.90	3.17												
184	5.75	1.30E-10	9.87E-09	98.70	75923.1	5840.24	3.77												
185	6.00	3.39E-11	9.97E-09	99.66	294100.3	22623.10	4.35												
186	6.25	8.97E-12	9.99E-09	99.91	1113712.4	85670.18	4.93												
187	6.50	2.48E-12	1.00E-08	99.98	4032258.1	310173.70	5.49												
188	6.75	7.35E-13	1.00E-08	99.99	13605442.2	1046572.48	6.02												
189	7.00	2.37E-13	1.00E-08	100.00	42194092.8	3245699.45	6.51												
190	7.25	8.36E-14	1.00E-08	100.00	119617224.9	9201324.99	6.96												
191	7.50	3.27E-14	1.00E-08	100.00	305810397.6	23523876.73	7.37												
192	7.75	1.41E-14	1.00E-08	100.00	709219858.2	54555373.70	7.74												
193	8.00	6.77E-15	1.00E-08	100.00	1477104874.4	113623451.88	8.06												
194	8.25	3.55E-15	1.00E-08	100.00	2816901408.5	216684723.73	8.34												
195	8.50	2.02E-15	1.00E-08	100.00	4950495049.5	380807311.50	8.58												
196	8.75	1.24E-15	1.00E-08	100.00	8064516129.0	620347394.54	8.79												
197	9.00	8.41E-16	1.00E-08	100.00	11890606420.9	914662032.38	8.96												
198	9.25	6.93E-16	1.00E-08	100.00	14430014430.0	1110001110.00	9.05												
199	9.50	8.85E-16	1.00E-08	100.00	11299435028.2	869187309.87	8.94												
200	9.75	2.53E-15	1.00E-08	100.00	3952569170.0	304043782.30	8.48												
201	10.00	1.92E-14	1.00E-08	100.00	520833333.3	40064102.56	7.60												
202	PCO2=1e-5.0																		
203	5.00	4.39E-09	5.61E-09	56.10	1277.9	98.30	1.99												
204	5.25	1.68E-09	8.32E-09	83.20	4952.4	380.95	2.58												
205	5.50	4.91E-10	9.51E-09	95.09	19368.6	1489.90	3.17												
206	5.75	1.30E-10	9.87E-09	98.70	75923.1	5840.24	3.77												
207	6.00	3.39E-11	9.97E-09	99.66	294100.3	22623.10	4.35												
208	6.25	8.96E-12	9.99E-09	99.91	1114955.4	85765.80	4.93												
209	6.50	2.48E-12	1.00E-08	99.98	4032258.1	310173.70	5.49												
210	6.75	7.31E-13	1.00E-08	99.99	13679890.6	1052299.27	6.02												
211	7.00	2.34E-13	1.00E-08	100.00	42735042.7	3287310.98	6.52												
212	7.25	8.19E-14	1.00E-08	100.00	122100122.1	9392317.08	6.97												
213	7.50	3.16E-14	1.00E-08	100.00	316455696.2	24342745.86	7.39												
214	7.75	1.34E-14	1.00E-08	100.00	746268656.7	57405281.29	7.76												
215	8.00	6.93E-15	1.00E-08	100.00	1579778831.0	121521448.54	8.08												
216	8.25	3.27E-15	1.00E-08	100.00	3058103975.5	235238767.35	8.37												
217	8.50	1.83E-15	1.00E-08	100.00	5464480874.3	420344682.64	8.62												
218	8.75	1.09E-15	1.00E-08	100.00	9174311926.6	705716302.05	8.85												
219	9.00	6.93E-16	1.00E-08	100.00	14430014430.0	1110001110.00	9.05												
220	9.25	4.70E-16	1.00E-08	100.00	21276595744.7	1636661211.13	9.21												
221	9.50	3.57E-16	1.00E-08	100.00	28011204481.8	2154708037.06	9.33												
222	9.75	3.55E-16	1.00E-08	100.00	28169014084.5	2166847237.27	9.34												
223	10.00	7.22E-16	1.00E-08	100.00	13850415512.5	1065416577.88	9.03												

2/3/00
DRJ

167

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1																			
2	pH	Dissolved	Sorbed	%sorbed(N	Kd(mL/g)(Np)	Ka'(mL/m2)(Np)	Log Ka'		Ka'										
3		Np=1.4e-4	1 g/L; 9.7 m2/g						Np(V)	Log p(CO2)									
4	PCO2=1e-0.5								pH	-0.5	-1.0	-1.5	-2.0	-2.5	-3.0	-3.5	-4.0	-4.5	-5.0
5	5.00	1.40E-04	1.08E-07	0.08	0.8	0.08	-1.10		5.00	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
6	5.25	1.40E-04	1.45E-07	0.10	1.0	0.11	-0.97		5.25	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
7	5.50	1.40E-04	2.00E-07	0.14	1.4	0.15	-0.83		5.50	0.15	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
8	5.75	1.40E-04	2.82E-07	0.20	2.0	0.21	-0.68		5.75	0.21	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
9	6.00	1.40E-04	4.04E-07	0.29	2.9	0.30	-0.53		6.00	0.30	0.29	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
10	6.25	1.39E-04	5.79E-07	0.41	4.2	0.43	-0.37		6.25	0.43	0.41	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
11	6.50	1.39E-04	8.15E-07	0.58	5.9	0.60	-0.22		6.50	0.60	0.58	0.57	0.56	0.56	0.56	0.56	0.56	0.56	0.56
12	6.75	1.39E-04	1.10E-06	0.79	7.9	0.82	-0.09		6.75	0.82	0.79	0.78	0.78	0.78	0.77	0.77	0.77	0.77	0.77
13	7.00	1.39E-04	1.34E-06	0.95	9.6	0.99	0.00		7.00	0.99	1.03	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
14	7.25	1.39E-04	1.32E-06	0.94	9.5	0.98	-0.01		7.25	0.98	1.25	1.33	1.35	1.36	1.36	1.36	1.36	1.36	1.36
15	7.50	1.39E-04	5.98E-07	0.43	4.3	0.44	-0.35		7.50	0.44	1.26	1.56	1.67	1.70	1.71	1.72	1.72	1.72	1.72
16	7.75	1.40E-04	3.88E-08	0.03	0.3	0.03	-1.54		7.75	0.03	0.74	1.59	1.95	2.07	2.11	2.13	2.13	2.13	2.14
17	8.00	1.40E-04	8.15E-10	0.00	0.0	0.00	-3.22		8.00	0.00	0.09	1.10	2.00	2.39	2.53	2.57	2.59	2.60	2.60
18	8.25	1.40E-04	2.51E-11	0.00	0.0	0.00	-4.73		8.25	0.00	0.00	0.24	1.52	2.47	2.93	3.10	3.16	3.18	3.18
19	8.50	1.40E-04	2.70E-12	0.00	0.0	0.00	-5.70		8.50	0.00	0.00	0.01	0.51	1.99	3.05	3.64	3.88	3.96	3.99
20	8.75	1.40E-04	1.62E-12	0.00	0.0	0.00	-5.92		8.75	0.00	0.00	0.00	0.02	0.86	2.51	3.86	4.68	5.05	5.17
21	9.00	1.40E-04	5.66E-12	0.00	0.0	0.00	-5.38		9.00	0.00	0.00	0.00	0.00	0.07	1.27	3.20	5.09	6.27	6.80
22	9.25	1.40E-04	1.80E-13	0.00	0.0	0.00	-6.88		9.25	0.00	0.00	0.00	0.00	0.00	0.16	1.70	4.17	6.91	8.55
23	9.50	1.40E-04	8.23E-15	0.00	0.0	0.00	-8.22		9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.28	2.23	5.67	9.42
24	9.75	1.40E-04	3.59E-16	0.00	0.0	0.00	-9.58		9.75	0.00	0.00	#DIV/0!	0.00	0.00	0.00	0.00	0.44	2.94	7.86
25	10.00	1.40E-04	1.50E-17	0.00	0.0	0.00	-10.96		10.00	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	0.00	0.01	0.62	4.00
26	PCO2=1e-1.0																		
27	5.00	1.40E-04	1.07E-07	0.08	0.8	0.08	-1.10		Log(Ka')	Log p(CO2)									
28	5.25	1.40E-04	1.43E-07	0.10	1.0	0.11	-0.98		pH	-0.5	-1.0	-1.5	-2.0	-2.5	-3.0	-3.5	-4.0	-4.5	-5.0
29	5.50	1.40E-04	1.96E-07	0.14	1.4	0.14	-0.84		5.00	-1.10	-1.10	-1.10	-1.10	-1.11	-1.11	-1.11	-1.11	-1.11	-1.11
30	5.75	1.40E-04	2.74E-07	0.20	2.0	0.20	-0.70		5.25	-0.97	-0.98	-0.98	-0.98	-0.98	-0.98	-0.98	-0.98	-0.98	-0.98
31	6.00	1.40E-04	3.89E-07	0.28	2.8	0.29	-0.54		5.50	-0.83	-0.84	-0.85	-0.85	-0.85	-0.85	-0.85	-0.85	-0.85	-0.85
32	6.25	1.39E-04	5.53E-07	0.40	4.0	0.41	-0.39		5.75	-0.68	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70
33	6.50	1.39E-04	7.79E-07	0.56	5.6	0.58	-0.24		6.00	-0.53	-0.54	-0.55	-0.55	-0.55	-0.55	-0.55	-0.55	-0.55	-0.55
34	6.75	1.39E-04	1.07E-06	0.76	7.7	0.79	-0.10		6.25	-0.37	-0.39	-0.39	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40
35	7.00	1.39E-04	1.39E-06	0.99	10.0	1.03	0.01		6.50	-0.22	-0.24	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25
36	7.25	1.38E-04	1.67E-06	1.20	12.1	1.25	0.10		6.75	-0.09	-0.10	-0.11	-0.11	-0.11	-0.11	-0.11	-0.11	-0.11	-0.11
37	7.50	1.38E-04	1.68E-06	1.20	12.2	1.26	0.10		7.00	0.00	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
38	7.75	1.39E-04	9.97E-07	0.71	7.2	0.74	-0.13		7.25	-0.01	0.10	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13
39	8.00	1.40E-04	1.22E-07	0.09	0.9	0.09	-1.05		7.50	-0.35	0.10	0.19	0.22	0.23	0.23	0.24	0.24	0.24	0.24
40	8.25	1.40E-04	2.42E-09	0.00	0.0	0.00	-2.75		7.75	-1.54	-0.13	0.20	0.29	0.32	0.33	0.33	0.33	0.33	0.33
41	8.50	1.40E-04	3.41E-11	0.00	0.0	0.00	-4.60		8.00	-3.22	-1.05	0.04	0.30	0.38	0.40	0.41	0.41	0.41	0.41
42	8.75	1.40E-04	1.10E-12	0.00	0.0	0.00	-6.09		8.25	-4.73	-2.75	-0.62	0.18	0.39	0.47	0.49	0.50	0.50	0.50
43	9.00	1.40E-04	2.35E-13	0.00	0.0	0.00	-6.76		8.50	-5.70	-4.60	-2.17	-0.29	0.30	0.48	0.56	0.59	0.60	0.60
44	9.25	1.40E-04	5.26E-13	0.00	0.0	0.00	-6.41		8.75	-5.92	-6.09	-4.18	-1.61	-0.07	0.40	0.59	0.67	0.70	0.71
45	9.50	1.40E-04	2.58E-13	0.00	0.0	0.00	-6.72		9.00	-5.38	-6.76	-6.08	-3.66	-1.15	0.10	0.51	0.71	0.80	0.83
46	9.75	1.40E-04	1.13E-14	0.00	0.0	0.00	-8.08		9.25	-6.88	-6.41	-7.10	-5.86	-3.15	-0.80	0.23	0.62	0.84	0.93
47	10.00	1.40E-04	4.74E-16	0.00	0.0	0.00	-9.46		9.50	-8.22	-6.72	-6.86	-7.10	-5.55	-2.73	-0.55	0.35	0.75	0.97
48	PCO2=1e-1.5								9.75	-9.58	-8.08	#DIV/0!	-6.92	-6.91	-5.22	-2.40	-0.35	0.47	0.90
49	5.00	1.40E-04	1.07E-07	0.08	0.8	0.08	-1.10		10.00	-10.96	-9.46	#DIV/0!	#DIV/0!	-6.77	-6.59	-4.87	-2.15	-0.21	0.60
50	5.25	1.40E-04	1.42E-07	0.10	1.0	0.10	-0.98												
51	5.50	1.40E-04	1.94E-07	0.14	1.4	0.14	-0.85												
52	5.75	1.40E-04	2.71E-07	0.19	1.9	0.20	-0.70												
53	6.00	1.40E-04	3.84E-07	0.27	2.7	0.28	-0.55												
54	6.25	1.39E-04	5.44E-07	0.39	3.9	0.40	-0.39												
55	6.50	1.39E-04	7.65E-07	0.55	5.5	0.57	-0.25												
56	6.75	1.39E-04	1.05E-06	0.75	7.6	0.78	-0.11												
57	7.00	1.39E-04	1.40E-06	1.00	10.1	1.04	0.02												
58	7.25	1.38E-04	1.78E-06	1.27	12.9	1.33	0.12												
59	7.50	1.38E-04	2.09E-06	1.49	15.1	1.56	0.19												
60	7.75	1.38E-04	2.13E-06	1.52	15.4	1.59	0.20												
61	8.00	1.39E-04	1.48E-06	1.05	10.6	1.10	0.04												
62	8.25	1.40E-04	3.27E-07	0.23	2.3	0.24	-0.62												
63	8.50	1.40E-04	9.27E-09	0.01	0.1	0.01	-2.17												
64	8.75	1.40E-04	8.94E-11	0.00	0.0	0.00	-4.18												
65	9.00	1.40E-04	1.12E-12	0.00	0.0	0.00	-6.08												
66	9.25	1.40E-04	1.09E-13	0.00	0.0	0.00	-7.10												
67	9.50	1.40E-04	1.86E-13	0.00	0.0	0.00	-6.86												
68	9.75			#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!												
69	10.00			#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!												
70	PCO2=1e-2.0																		
71	5.00	1.40E-04	1.07E-07	0.08	0.8	0.08	-1.10												
72	5.25	1.40E-04	1.42E-07	0.10	1.0	0.10	-0.98												
73	5.50	1.40E-04	1.94E-07	0.14	1.4	0.14	-0.85												
74	5.75	1.40E-04	2.70E-07	0.19	1.9	0.20	-0.70												
75	6.00	1.40E-04	3.82E-07	0.27	2.7	0.28	-0.55												
76	6.25	1.39E-04	5.41E-07	0.39	3.9	0.40	-0.40												
77	6.50	1.39E-04	7.61E-07	0.54	5.5	0.56	-0.25												
78	6.75	1.39E-04	1.05E-06	0.75	7.6	0.78	-0.11												
79	7.00	1.39E-04	1.40E-06	1.00	10.1	1.04	0.02												
80	7.25	1.38E-04	1.81E-06	1.29	13.1	1.35	0.13												
81	7.50	1.38E-04	2.23E-06	1.59	16.2	1.67	0.22												
82	7.75	1.37E-04	2.59E-06	1.86	18.9	1.95	0.29												
83	8.00	1.37E-04	2.66E-06	1.90	19.4	2.00	0.30												
84	8.25	1.38E-04	2.03E-06	1.45	14.7	1.52	0.18												
85	8.50	1.39E-04	6.84E-07	0.49	4.9	0.51	-0.29												
86	8.75	1.40E-04	3.32E-08	0.02	0.2	0.02	-1.61												
87	9.00	1.40E-04	2.98E-10	0.00	0.0	0.00	-3.66												
88	9.25	1.40E-04	1.87E-12	0.00	0.0	0.00	-5.86												
89	9.50	1.40E-04	1.07E-13	0.00	0.0	0.00	-7.10												
90	9.75	1.40E-04	1.62E-13	0.00	0.0	0.00	-6.92												
91	10.00			#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!												
92	PCO2=1e-2.5																		
93	5.00	1.40E-04	1.06E-07	0.08	0.8	0.08	-1.11												
94	5.25	1.40E-04	1.42E-07	0.10	1.0	0.10	-0.98												
95	5.50	1.40E-04	1.94E-07	0.14	1.4	0.14	-0.85												
96	5.75	1.40E-04	2.70E-07	0.19	1.9	0.20	-0.70												
97	6.00	1.40E-04	3.82E-07	0.27	2.7	0.28	-0.55												
98	6.25	1.39E-04	5.41E-07	0.39	3.9	0.40	-0.40												
99	6.50	1.39E-04	7.59E-07	0.54	5.5	0.56	-0.25												
100	6.75	1.39E-04	1.05E-06	0.75	7.6	0.78	-0.11												
101	7.00	1.39E-04	1.40E-06	1.00	10.1	1.04	0.02												
102	7.25	1.38E-04	1.82E-06	1.30	13.2	1.36	0.13												
103	7.50	1.38E-04	2.28E-06	1.63	16.5	1.70	0.23												
104	7.75	1.37E-04	2.75E-06	1.97	20.1	2.07	0.32												
105	8.00	1.37E-04	3.17E-06	2.26	23.1	2.39	0.38												
106	8.25	1.37E-04	3.28E-06	2.34	23.9	2.47	0.39												
107	8.50	1.37E-04	2.64E-06	1.89	19.3	1.99	0.30												
108	8.75	1.39E-04	1.16E-06	0.83	8.3	0.86	-0.07												
109	9.00	1.40E-04	9.56E-08	0.07	0.7	0.07	-1.15												
110	9.25	1.40E-04	9.55E-10	0.00	0.0	0.00	-3.15												
111	9.50	1.40E-04	3.82E-12	0.00	0.0	0.00	-5.55												
112	9.75	1.40E-04	1.68E-13	0.00	0.0	0.00	-6.91												
113	10.00	1.40E-04	2.32E-13	0.00	0.0	0.00	-6.77												
114	PCO2=1e-3.0																		
115	5.00	1.40E-04	1.06E-07	0.08	0.8	0.08	-1.11												
116	5.25	1.40E-04	1.42E-07	0.10	1.0	0.10	-0.98												
117	5.50	1.40E-04	1.94E-07	0.14	1.4	0.14	-0.85												
118	5.75	1.40E-04	2.70E-07	0.19	1.9	0.20	-0.70												
119	6.00	1.40E-04	3.81E-07	0.27	2.7	0.28	-0.55												
120	6.25	1.39E-04	5.40E-07	0.39	3.9	0.40	-0.40												
121	6.50	1.39E-04	7.59E-07	0.54	5.5	0.56	-0.25												
122	6.75	1.39E-04	1.04E-06	0.74	7.5	0.77	-0.11												
123	7.00	1.39E-04	1.40E-06	1.00	10.1	1.04	0.02												
124	7.25	1.38E-04	1.82E-06	1.30	13.2	1.36	0.13												
125	7.50	1.38E-04	2.29E-06	1.63	16.6	1.71	0.23												
126	7.75	1.37E-04	2.81E-06	2.01	20.5	2.11	0.33												
127	8.00	1.37E-04	3.36E-06	2.39	24.5	2.53	0.40												
128	8.25	1.36E-04	3.86E-06	2.76	28.4	2.93	0.47												
129	8.50	1.36E-04	4.03E-06	2.88	29.6	3.05	0.48												
130	8.75	1.37E-04	3.34E-06	2.38	24.4	2.51	0.40												
131	9.00	1.38E-04	1.70E-06	1.22	12.3	1.27	0.10												
132	9.25	1.40E-04	2.14E-07	0.15	1.5	0.16	-0.80												
133	9.50	1.40E-04	2.54E-09	0.00	0.0	0.00	-2.73												
134	9.75	1.40E-04	8.21E-12	0.00	0.0	0.00	-5.22												
135	10.00	1.40E-04	3.47E-13	0.00	0.0	0.00	-6.59												

2/3/00 DRS

168

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
136	PCO2=1e-3.5																		
137	5.00	1.40E-04	1.06E-07	0.08	0.8	0.08	-1.11												
138	5.25	1.40E-04	1.42E-07	0.10	1.0	0.10	-0.98												
139	5.50	1.40E-04	1.94E-07	0.14	1.4	0.14	-0.85												
140	5.75	1.40E-04	2.70E-07	0.19	1.9	0.20	-0.70												
141	6.00	1.40E-04	3.81E-07	0.27	2.7	0.28	-0.55												
142	6.25	1.39E-04	5.40E-07	0.39	3.9	0.40	-0.40												
143	6.50	1.39E-04	7.59E-07	0.54	5.5	0.56	-0.25												
144	6.75	1.39E-04	1.04E-06	0.74	7.5	0.77	-0.11												
145	7.00	1.39E-04	1.40E-06	1.00	10.1	1.04	0.02												
146	7.25	1.38E-04	1.82E-06	1.30	13.2	1.36	0.13												
147	7.50	1.38E-04	2.30E-06	1.64	16.7	1.72	0.24												
148	7.75	1.37E-04	2.83E-06	2.02	20.7	2.13	0.33												
149	8.00	1.37E-04	3.42E-06	2.44	25.0	2.57	0.41												
150	8.25	1.36E-04	4.09E-06	2.92	30.1	3.10	0.49												
151	8.50	1.35E-04	4.77E-06	3.41	35.3	3.64	0.56												
152	8.75	1.35E-04	5.06E-06	3.61	37.5	3.86	0.59												
153	9.00	1.36E-04	4.22E-06	3.01	31.0	3.20	0.51												
154	9.25	1.38E-04	2.28E-06	1.63	16.5	1.70	0.23												
155	9.50	1.40E-04	3.87E-07	0.28	2.8	0.28	-0.55												
156	9.75	1.40E-04	5.43E-09	0.00	0.0	0.00	-2.40												
157	10.00	1.40E-04	1.82E-11	0.00	0.0	0.00	-4.87												
158	PCO2=1e-4.0																		
159	5.00	1.40E-04	1.06E-07	0.08	0.8	0.08	-1.11												
160	5.25	1.40E-04	1.42E-07	0.10	1.0	0.10	-0.98												
161	5.50	1.40E-04	1.94E-07	0.14	1.4	0.14	-0.85												
162	5.75	1.40E-04	2.70E-07	0.19	1.9	0.20	-0.70												
163	6.00	1.40E-04	3.81E-07	0.27	2.7	0.28	-0.55												
164	6.25	1.39E-04	5.40E-07	0.39	3.9	0.40	-0.40												
165	6.50	1.39E-04	7.59E-07	0.54	5.5	0.56	-0.25												
166	6.75	1.39E-04	1.04E-06	0.74	7.5	0.77	-0.11												
167	7.00	1.39E-04	1.40E-06	1.00	10.1	1.04	0.02												
168	7.25	1.38E-04	1.82E-06	1.30	13.2	1.36	0.13												
169	7.50	1.38E-04	2.30E-06	1.64	16.7	1.72	0.24												
170	7.75	1.37E-04	2.83E-06	2.02	20.7	2.13	0.33												
171	8.00	1.37E-04	3.44E-06	2.45	25.1	2.59	0.41												
172	8.25	1.36E-04	4.17E-06	2.97	30.7	3.16	0.50												
173	8.50	1.35E-04	5.08E-06	3.63	37.6	3.88	0.59												
174	8.75	1.34E-04	6.08E-06	4.34	45.4	4.68	0.67												
175	9.00	1.33E-04	6.57E-06	4.71	49.4	5.09	0.71												
176	9.25	1.35E-04	5.46E-06	3.89	40.4	4.17	0.62												
177	9.50	1.37E-04	2.97E-06	2.12	21.7	2.23	0.35												
178	9.75	1.39E-04	5.96E-07	0.43	4.3	0.44	-0.35												
179	10.00	1.40E-04	9.72E-09	0.01	0.1	0.01	-2.15												
180	PCO2=1e-4.5																		
181	5.00	1.40E-04	1.06E-07	0.08	0.8	0.08	-1.11												
182	5.25	1.40E-04	1.42E-07	0.10	1.0	0.10	-0.98												
183	5.50	1.40E-04	1.94E-07	0.14	1.4	0.14	-0.85												
184	5.75	1.40E-04	2.70E-07	0.19	1.9	0.20	-0.70												
185	6.00	1.40E-04	3.81E-07	0.27	2.7	0.28	-0.55												
186	6.25	1.39E-04	5.40E-07	0.39	3.9	0.40	-0.40												
187	6.50	1.39E-04	7.59E-07	0.54	5.5	0.56	-0.25												
188	6.75	1.39E-04	1.04E-06	0.74	7.5	0.77	-0.11												
189	7.00	1.39E-04	1.40E-06	1.00	10.1	1.04	0.02												
190	7.25	1.38E-04	1.82E-06	1.30	13.2	1.36	0.13												
191	7.50	1.38E-04	2.30E-06	1.64	16.7	1.72	0.24												
192	7.75	1.37E-04	2.83E-06	2.02	20.7	2.13	0.33												
193	8.00	1.37E-04	3.45E-06	2.46	25.2	2.60	0.41												
194	8.25	1.36E-04	4.19E-06	2.99	30.8	3.18	0.50												
195	8.50	1.35E-04	5.18E-06	3.70	38.4	3.96	0.60												
196	8.75	1.33E-04	6.52E-06	4.67	49.0	5.05	0.70												
197	9.00	1.32E-04	8.03E-06	5.73	60.8	6.27	0.80												
198	9.25	1.31E-04	8.78E-06	6.28	67.0	6.91	0.84												
199	9.50	1.33E-04	7.31E-06	5.21	55.0	5.67	0.75												
200	9.75	1.36E-04	3.88E-06	2.77	28.5	2.94	0.47												
201	10.00	1.39E-04	8.32E-07	0.59	6.0	0.62	-0.21												
202	PCO2=1e-5.0																		
203	5.00	1.40E-04	1.06E-07	0.08	0.8	0.08	-1.11												
204	5.25	1.40E-04	1.42E-07	0.10	1.0	0.10	-0.98												
205	5.50	1.40E-04	1.94E-07	0.14	1.4	0.14	-0.85												
206	5.75	1.40E-04	2.70E-07	0.19	1.9	0.20	-0.70												
207	6.00	1.40E-04	3.81E-07	0.27	2.7	0.28	-0.55												
208	6.25	1.39E-04	5.40E-07	0.39	3.9	0.40	-0.40												
209	6.50	1.39E-04	7.59E-07	0.54	5.5	0.56	-0.25												
210	6.75	1.39E-04	1.04E-06	0.74	7.5	0.77	-0.11												
211	7.00	1.39E-04	1.40E-06	1.00	10.1	1.04	0.02												
212	7.25	1.38E-04	1.82E-06	1.30	13.2	1.36	0.13												
213	7.50	1.38E-04	2.30E-06	1.64	16.7	1.72	0.24												
214	7.75	1.37E-04	2.84E-06	2.03	20.7	2.14	0.33												
215	8.00	1.37E-04	3.45E-06	2.46	25.2	2.60	0.41												
216	8.25	1.36E-04	4.20E-06	3.00	30.9	3.18	0.50												
217	8.50	1.35E-04	5.22E-06	3.72	38.7	3.99	0.60												
218	8.75	1.33E-04	6.67E-06	4.78	50.2	5.17	0.71												
219	9.00	1.31E-04	8.64E-06	6.19	66.0	6.80	0.83												
220	9.25	1.29E-04	1.07E-05	7.66	82.9	8.55	0.93												
221	9.50	1.28E-04	1.17E-05	8.38	91.4	9.42	0.97												
222	9.75	1.30E-04	9.91E-06	7.08	76.2	7.86	0.90												
223	10.00	1.35E-04	5.24E-06	3.74	38.8	4.00	0.60												

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1																			
2	pH	Dissolved	Sorbed	%sorbed(F	Kd(mL/g)(Pu)	Ka'(mL/m2)(Pu)	Log Ka'		Ka'										
3		Pu=9.8e-8	1 g/L; 13 m2/g						Pu(V)	Log p(CO2)									
4	PCO2=1e-0.5								pH	-0.5	-1.0	-1.5	-2.0	-2.5	-3.0	-3.5	-4.0	-4.5	-5.0
5	5.00	9.58E-08	2.15E-09	2.19	22.4	1.73	0.24		5.00	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73
6	5.25	9.41E-08	3.90E-09	3.98	41.4	3.19	0.50		5.25	3.19	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
7	5.50	9.11E-08	6.88E-09	7.02	75.5	5.81	0.76		5.50	5.81	5.85	5.86	5.87	5.87	5.87	5.87	5.87	5.87	5.87
8	5.75	8.63E-08	1.17E-08	11.94	135.6	10.43	1.02		5.75	10.43	10.63	10.63	10.63	10.63	10.63	10.63	10.63	10.63	10.63
9	6.00	7.91E-08	1.89E-08	19.29	238.9	18.38	1.26		6.00	18.38	18.99	19.23	19.23	19.23	19.23	19.23	19.23	19.23	19.23
10	6.25	6.98E-08	2.82E-08	28.78	404.0	31.08	1.49		6.25	31.08	33.45	34.26	34.43	34.59	34.59	34.59	34.59	34.59	34.59
11	6.50	6.07E-08	3.73E-08	38.06	614.5	47.27	1.67		6.50	47.27	56.50	60.14	61.40	61.91	61.91	61.91	61.91	61.91	61.91
12	6.75	5.61E-08	4.19E-08	42.76	746.9	57.45	1.76		6.75	57.45	85.89	101.71	107.84	109.67	110.60	110.60	110.60	110.60	110.60
13	7.00	5.92E-08	3.88E-08	39.59	655.4	50.42	1.70		7.00	50.42	105.17	155.03	181.24	192.31	195.22	197.20	197.20	197.20	197.20
14	7.25	6.82E-08	2.98E-08	30.41	437.0	33.61	1.53		7.25	33.61	92.86	189.45	277.00	324.06	341.88	348.98	348.98	351.40	351.40
15	7.50	7.88E-08	1.92E-08	19.59	243.7	18.74	1.27		7.50	18.74	62.68	169.43	339.57	494.17	572.94	608.39	614.68	621.08	621.08
16	7.75	8.90E-08	9.04E-09	9.22	101.6	7.81	0.89		7.75	7.81	35.59	114.90	303.81	608.39	875.10	1017.08	1071.76	1089.55	1097.53
17	8.00	9.66E-08	1.43E-09	1.46	14.8	1.14	0.06		8.00	1.14	16.49	66.12	208.62	546.09	1074.57	1545.08	1789.79	1887.02	1916.97
18	8.25	9.79E-08	1.11E-10	0.11	1.1	0.09	-1.06		8.25	0.09	3.26	32.81	121.46	374.48	967.40	1891.95	2705.08	3129.30	3289.84
19	8.50	9.80E-08	2.47E-11	0.03	0.3	0.02	-1.71		8.50	0.02	0.15	9.22	62.68	221.04	669.46	1705.76	3304.59	4663.76	5384.62
20	8.75	9.80E-08	2.69E-11	0.03	0.3	0.02	-1.68		8.75	0.02	0.01	0.45	22.01	116.37	397.19	1183.43	2986.24	5678.21	7929.12
21	9.00	9.79E-08	7.61E-11	0.08	0.8	0.06	-1.22		9.00	0.06	0.00	0.01	1.57	46.66	213.02	707.60	2082.87	5124.67	9512.62
22	9.25	9.80E-08	5.69E-13	0.00	0.0	0.00	-3.35		9.25	0.00	0.01	0.00	0.03	5.00	91.35	382.74	1250.00	3619.91	8644.94
23	9.50	9.80E-08	3.31E-14	0.00	0.0	0.00	-4.59		9.50	0.00	0.00	0.00	0.00	0.07	13.25	170.24	681.78	2187.57	6153.85
24	9.75	9.80E-08	1.87E-15	0.00	0.0	0.00	-5.83		9.75	0.00	0.00	#DIV/0!	0.00	0.00	0.16	30.01	309.66	1198.75	3767.66
25	10.00	9.80E-08	1.04E-16	0.00	0.0	0.00	-7.09		10.00	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	0.36	60.64	551.28	2082.87
26	PCO2=1e-1.0																		
27	5.00	9.58E-08	2.16E-09	2.20	22.5	1.73	0.24		Log(Ka')	Log p(CO2)									
28	5.25	9.41E-08	3.91E-09	3.99	41.6	3.20	0.50		pH	-0.5	-1.0	-1.5	-2.0	-2.5	-3.0	-3.5	-4.0	-4.5	-5.0
29	5.50	9.11E-08	6.93E-09	7.07	76.1	5.85	0.77		5.00	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
30	5.75	8.61E-08	1.19E-08	12.14	138.2	10.63	1.03		5.25	0.50	0.50	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
31	6.00	7.86E-08	1.94E-08	19.80	246.8	18.99	1.28		5.50	0.76	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77
32	6.25	6.83E-08	2.97E-08	30.31	434.8	33.45	1.52		5.75	1.02	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
33	6.50	5.65E-08	4.15E-08	42.35	734.5	56.50	1.75		6.00	1.26	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28
34	6.75	4.63E-08	5.17E-08	52.76	1116.6	85.89	1.93		6.25	1.49	1.52	1.53	1.54	1.54	1.54	1.54	1.54	1.54	1.54
35	7.00	4.14E-08	5.66E-08	57.76	1367.1	105.17	2.02		6.50	1.67	1.75	1.78	1.79	1.79	1.79	1.79	1.79	1.79	1.79
36	7.25	4.44E-08	5.36E-08	54.69	1207.2	92.86	1.97		6.75	1.76	1.93	2.01	2.03	2.04	2.04	2.04	2.04	2.04	2.04
37	7.50	5.40E-08	4.40E-08	44.90	814.8	62.68	1.80		7.00	1.70	2.02	2.19	2.26	2.28	2.29	2.29	2.29	2.29	2.29
38	7.75	6.70E-08	3.10E-08	31.63	462.7	35.59	1.55		7.25	1.53	1.97	2.28	2.44	2.51	2.53	2.54	2.54	2.55	2.55
39	8.00	8.07E-08	1.73E-08	17.65	214.4	16.49	1.22		7.50	1.27	1.80	2.23	2.53	2.69	2.76	2.78	2.79	2.79	2.79
40	8.25	9.40E-08	3.98E-09	4.06	42.3	3.26	0.51		7.75	0.89	1.55	2.06	2.48	2.78	2.94	3.01	3.03	3.04	3.04
41	8.50	9.78E-08	1.93E-10	0.20	2.0	0.15	-0.82		8.00	0.06	1.22	1.82	2.32	2.74	3.03	3.19	3.25	3.28	3.28
42	8.75	9.80E-08	1.40E-11	0.01	0.1	0.01	-1.96		8.25	-1.06	0.51	1.52	2.08	2.57	2.99	3.28	3.43	3.50	3.52
43	9.00	9.80E-08	5.52E-12	0.01	0.1	0.00	-2.36		8.50	-1.71	-0.82	0.96	1.80	2.34	2.83	3.23	3.52	3.67	3.73
44	9.25	9.80E-08	1.12E-11	0.01	0.1	0.01	-2.06		8.75	-1.68	-1.96	-0.34	1.34	2.07	2.60	3.07	3.48	3.75	3.90
45	9.50	9.80E-08	1.01E-12	0.00	0.0	0.00	-3.10		9.00	-1.22	-2.36	-1.85	0.20	1.67	2.33	2.85	3.32	3.71	3.98
46	9.75	9.80E-08	5.83E-14	0.00	0.0	0.00	-4.34		9.25	-3.35	-2.06	-2.65	-1.54	0.70	1.96	2.58	3.10	3.56	3.94
47	10.00	9.80E-08	3.28E-15	0.00	0.0	0.00	-5.59		9.50	-4.59	-3.10	-2.59	-2.68	-1.16	1.12	2.23	2.83	3.34	3.79
48	PCO2=1e-1.5								9.75	-5.83	-4.34	#DIV/0!	-2.81	-2.58	-0.79	1.48	2.49	3.08	3.58
49	5.00	9.58E-08	2.16E-09	2.20	22.5	1.73	0.24		10.00	-7.09	-5.59	#DIV/0!	#DIV/0!	-2.86	-2.43	-0.45	1.78	2.74	3.32
50	5.25	9.41E-08	3.92E-09	4.00	41.7	3.20	0.51												
51	5.50	9.11E-08	6.94E-09	7.08	76.2	5.86	0.77												
52	5.75	8.61E-08	1.19E-08	12.14	138.2	10.63	1.03												
53	6.00	7.84E-08	1.96E-08	20.00	250.0	19.23	1.28												
54	6.25	6.78E-08	3.02E-08	30.82	445.4	34.26	1.53												
55	6.50	5.50E-08	4.30E-08	43.88	781.8	60.14	1.78												
56	6.75	4.22E-08	5.58E-08	56.94	1322.3	101.71	2.01												
57	7.00	3.25E-08	6.55E-08	66.84	2015.4	155.03	2.19												
58	7.25	2.83E-08	6.97E-08	71.12	2462.9	189.45	2.28												
59	7.50	3.06E-08	6.74E-08	68.78	2202.6	169.43	2.23												
60	7.75	3.93E-08	5.87E-08	59.90	1493.6	114.90	2.06												
61	8.00	5.27E-08	4.53E-08	46.22	859.6	66.12	1.82												
62	8.25	6.87E-08	2.93E-08	29.90	426.5	32.81	1.52												
63	8.50	8.76E-08	1.05E-08	10.70	119.9	9.22	0.96												
64	8.75	9.74E-08	5.73E-10	0.58	5.9	0.45	-0.34												
65	9.00	9.80E-08	1.80E-11	0.02	0.2	0.01	-1.85												
66	9.25	9.80E-08	2.84E-12	0.00	0.0	0.00	-2.65												
67	9.50	9.80E-08	3.30E-12	0.00	0.0	0.00	-2.59												
68	9.75			#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!												
69	10.00			#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!												
70	PCO2=1e-2.0																		
71	5.00	9.58E-08	2.16E-09	2.20	22.5	1.73	0.24												
72	5.25	9.41E-08	3.92E-09	4.00	41.7	3.20	0.51												
73	5.50	9.11E-08	6.95E-09	7.09	76.3	5.87	0.77												
74	5.75	8.61E-08	1.19E-08	12.14	138.2	10.63	1.03												
75	6.00	7.84E-08	1.96E-08	20.00	250.0	19.23	1.28												
76	6.25	6.77E-08	3.03E-08	30.92	447.6	34.43	1.54												
77	6.50	5.45E-08	4.35E-08	44.39	798.2	61.40	1.79												
78	6.75	4.08E-08	5.72E-08	58.37	1402.0	107.84	2.03												
79	7.00	2.92E-08	6.88E-08	70.20	2356.2	181.24	2.26												
80	7.25	2.13E-08	7.67E-08	78.27	3600.9	277.00	2.44												
81	7.50	1.81E-08	7.99E-08	81.53	4414.4	339.57	2.53												
82	7.75	1.98E-08	7.82E-08	79.80	3949.5	303.81	2.48												
83	8.00	2.64E-08	7.16E-08	73.06	2712.1	208.62	2.32												
84	8.25	3.80E-08	6.00E-08	61.22	1578.9	121.46	2.08												
85	8.50	5.40E-08	4.40E-08	44.90	814.8	62.68	1.80												
86	8.75	7.62E-08	2.18E-08	22.24	286.1	22.01	1.34												
87	9.00	9.60E-08	1.96E-09	2.00	20.4	1.57	0.20												
88	9.25	9.80E-08	3.65E-11	0.04	0.4	0.03	-1.54												
89	9.50	9.80E-08	2.64E-12	0.00	0.0	0.00	-2.68												
90	9.75	9.80E-08	1.96E-12	0.00	0.0	0.00	-2.81												
91	10.00			#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!												
92	PCO2=1e-2.5																		
93	5.00	9.58E-08	2.16E-09	2.20	22.5	1.73	0.24												
94	5.25	9.41E-08	3.92E-09	4.00	41.7	3.20	0.51												
95	5.50	9.11E-08	6.95E-09	7.09	76.3	5.87	0.77												
96	5.75	8.61E-08	1.19E-08	12.14	138.2	10.63	1.03												
97	6.00	7.84E-08	1.96E-08	20.00	250.0	19.23	1.28												
98	6.25	6.76E-08	3.04E-08	31.02	449.7	34.59	1.54												
99	6.50	5.43E-08	4.37E-08	44.59	804.8	61.91	1.79												
100	6.75	4.04E-08	5.76E-08	58.78	1425.7	109.67	2.04												
101	7.00	2.80E-08	7.00E-08	71.43	2500.0	192.31	2.28												
102	7.25	1.88E-08	7.92E-08	80.82	4212.8	324.06	2.51												
103	7.50	1.32E-08	8.48E-08	86.53	6424.2	494.17	2.69												
104	7.75	1.10E-08	8.70E-08	88.78	7909.1	608.39	2.78												
105	8.00	1.21E-08	8.59E-08	87.65	7099.2	546.09	2.74												
106	8.25	1.67E-08	8.13E-08	82.96	4868.3	374.48	2.57												
107	8.50	2.53E-08	7.27E-08	74.18	2873.5	221.04	2.34												
108	8.75	3.90E-08	5.90E-08	60.20	1512.8	116.37	2.07												
109	9.00	6.10E-08	3.70E-08	37.76	606.6	46.66	1.67												
110	9.25	9.20E-08	5.98E-09	6.10	65.0	5.00	0.70												
111	9.50	9.79E-08	8.71E-11	0.09	0.9	0.07	-1.16												
112	9.75	9.80E-08	3.33E-12	0.00	0.0	0.00	-2.58												
113	10.00	9.80E-08	1.76E-12	0.00	0.0	0.00	-2.86												
114	PCO2=1e-3.0																		
115	5.00	9.58E-08	2.16E-09	2.20	22.5	1.73	0.24												
116	5.25	9.41E-08	3.92E-09	4.00	41.7	3.20	0.51												
117	5.50	9.11E-08	6.95E-09	7.09	76.3	5.87	0.77												
118	5.75	8.61E-08	1.19E-08	12.14	138.2	10.63	1.03												
119	6.00	7.84E-08	1.96E-08	20.00	250.0	19.23	1.28												
120	6.25	6.76E-08	3.04E-08	31.02	449.7	34.59	1.54												
121	6.50	5.43E-08	4.37E-08	44.59	804.8	61.91	1.79												
122	6.75	4.02E-08	5.78E-08	58.98	1437.8	110.60	2.04												
123	7.00	2.77E-08	7.03E-08	71.73	2537.9	195.22	2.29												
124	7.25	1.80E-08	8.00E-08	81.63	4444.4	341.88	2.53												
125	7.50	1.16E-08	8.64E-08	88.16	7448.3	572.94	2.76												
126	7.75	7.92E-09	9.01E-08	91.92	11376.3	875.10	2.94												
127	8.00	6.55E-09	9.15E-08	93.32	13969.5	1074.57	3.03												
128	8.25	7.22E-09	9.08E-08	92.63	12576.2	967.40	2.99												
129	8.50	1.01E-08	8.79E-08	89.69	8703.0	669.46	2.83												
130	8.75	1.59E-08	8.21E-08	83.78	5163.5	397.19	2.60												
131	9.00	2.60E-08	7.20E-08	73.47	2769.2	213.02	2.33												
132	9.25	4.48E-08	5.32E-08	54.29	1187.5	91.35	1.96												
133	9.50	8.36E-08	1.44E-08	14.69	172.2	13.25	1.12												
134	9.75	9.78E-08	2.07E-10	0.21	2.1	0.16	-0.79												
135	10.00	9.80E-08	4.78E-12	0.00	0.0	0.00	-2.43												

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
136	PCO2=1e-3.5																		
137	5.00	9.58E-08	2.16E-09	2.20	22.5	1.73	0.24												
138	5.25	9.41E-08	3.92E-09	4.00	41.7	3.20	0.51												
139	5.50	9.11E-08	6.95E-09	7.09	76.3	5.87	0.77												
140	5.75	8.61E-08	1.19E-08	12.14	138.2	10.63	1.03												
141	6.00	7.84E-08	1.96E-08	20.00	250.0	19.23	1.28												
142	6.25	6.76E-08	3.04E-08	31.02	449.7	34.59	1.54												
143	6.50	5.43E-08	4.37E-08	44.59	804.8	61.91	1.79												
144	6.75	4.02E-08	5.78E-08	58.98	1437.8	110.60	2.04												
145	7.00	2.75E-08	7.05E-08	71.94	2563.6	197.20	2.29												
146	7.25	1.77E-08	8.03E-08	81.94	4536.7	348.98	2.54												
147	7.50	1.10E-08	8.70E-08	88.78	7909.1	608.39	2.78												
148	7.75	6.89E-09	9.11E-08	92.97	13222.1	1017.08	3.01												
149	8.00	4.65E-09	9.34E-08	95.26	20086.0	1545.08	3.19												
150	8.25	3.83E-09	9.42E-08	96.09	24595.3	1891.95	3.28												
151	8.50	4.23E-09	9.38E-08	95.68	22174.9	1705.76	3.23												
152	8.75	5.98E-09	9.20E-08	93.90	15384.6	1183.43	3.07												
153	9.00	9.61E-09	8.84E-08	90.19	9198.8	707.60	2.85												
154	9.25	1.64E-08	8.16E-08	83.27	4975.6	382.74	2.58												
155	9.50	3.05E-08	6.75E-08	68.88	2213.1	170.24	2.23												
156	9.75	7.05E-08	2.75E-08	28.06	390.1	30.01	1.48												
157	10.00	9.76E-08	4.52E-10	0.46	4.6	0.36	-0.45												
158	PCO2=1e-4.0																		
159	5.00	9.58E-08	2.16E-09	2.20	22.5	1.73	0.24												
160	5.25	9.41E-08	3.92E-09	4.00	41.7	3.20	0.51												
161	5.50	9.11E-08	6.95E-09	7.09	76.3	5.87	0.77												
162	5.75	8.61E-08	1.19E-08	12.14	138.2	10.63	1.03												
163	6.00	7.84E-08	1.96E-08	20.00	250.0	19.23	1.28												
164	6.25	6.76E-08	3.04E-08	31.02	449.7	34.59	1.54												
165	6.50	5.43E-08	4.37E-08	44.59	804.8	61.91	1.79												
166	6.75	4.02E-08	5.78E-08	58.98	1437.8	110.60	2.04												
167	7.00	2.75E-08	7.05E-08	71.94	2563.6	197.20	2.29												
168	7.25	1.77E-08	8.03E-08	81.94	4536.7	348.98	2.54												
169	7.50	1.09E-08	8.71E-08	88.88	7990.8	614.68	2.79												
170	7.75	6.56E-09	9.14E-08	93.30	13932.9	1071.76	3.03												
171	8.00	4.04E-09	9.40E-08	95.88	23267.3	1789.79	3.25												
172	8.25	2.71E-09	9.53E-08	97.23	35166.1	2705.08	3.43												
173	8.50	2.23E-09	9.58E-08	97.73	42959.6	3304.59	3.52												
174	8.75	2.46E-09	9.55E-08	97.49	38821.1	2986.24	3.48												
175	9.00	3.49E-09	9.45E-08	96.44	27077.4	2082.87	3.32												
176	9.25	5.68E-09	9.23E-08	94.20	16250.0	1250.00	3.10												
177	9.50	9.94E-09	8.81E-08	89.86	8863.2	681.78	2.83												
178	9.75	1.95E-08	7.85E-08	80.10	4025.6	309.66	2.49												
179	10.00	5.48E-08	4.32E-08	44.08	788.3	60.64	1.78												
180	PCO2=1e-4.5																		
181	5.00	9.58E-08	2.16E-09	2.20	22.5	1.73	0.24												
182	5.25	9.41E-08	3.92E-09	4.00	41.7	3.20	0.51												
183	5.50	9.11E-08	6.95E-09	7.09	76.3	5.87	0.77												
184	5.75	8.61E-08	1.19E-08	12.14	138.2	10.63	1.03												
185	6.00	7.84E-08	1.96E-08	20.00	250.0	19.23	1.28												
186	6.25	6.76E-08	3.04E-08	31.02	449.7	34.59	1.54												
187	6.50	5.43E-08	4.37E-08	44.59	804.8	61.91	1.79												
188	6.75	4.02E-08	5.78E-08	58.98	1437.8	110.60	2.04												
189	7.00	2.75E-08	7.05E-08	71.94	2563.6	197.20	2.29												
190	7.25	1.76E-08	8.04E-08	82.04	4568.2	351.40	2.55												
191	7.50	1.08E-08	8.72E-08	88.98	8074.1	621.08	2.79												
192	7.75	6.46E-09	9.15E-08	93.41	14164.1	1089.55	3.04												
193	8.00	3.84E-09	9.42E-08	96.08	24531.3	1887.02	3.28												
194	8.25	2.35E-09	9.56E-08	97.60	40680.9	3129.30	3.50												
195	8.50	1.59E-09	9.64E-08	98.38	60628.9	4663.76	3.67												
196	8.75	1.31E-09	9.67E-08	98.66	73816.8	5678.21	3.75												
197	9.00	1.45E-09	9.66E-08	98.52	66620.7	5124.67	3.71												
198	9.25	2.04E-09	9.60E-08	97.92	47058.8	3619.91	3.56												
199	9.50	3.33E-09	9.47E-08	96.60	28438.4	2187.57	3.34												
200	9.75	5.91E-09	9.21E-08	93.97	15583.8	1198.75	3.08												
201	10.00	1.20E-08	8.60E-08	87.76	7166.7	551.28	2.74												
202	PCO2=1e-5.0																		
203	5.00	9.58E-08	2.16E-09	2.20	22.5	1.73	0.24												
204	5.25	9.41E-08	3.92E-09	4.00	41.7	3.20	0.51												
205	5.50	9.11E-08	6.95E-09	7.09	76.3	5.87	0.77												
206	5.75	8.61E-08	1.19E-08	12.14	138.2	10.63	1.03												
207	6.00	7.84E-08	1.96E-08	20.00	250.0	19.23	1.28												
208	6.25	6.76E-08	3.04E-08	31.02	449.7	34.59	1.54												
209	6.50	5.43E-08	4.37E-08	44.59	804.8	61.91	1.79												
210	6.75	4.02E-08	5.78E-08	58.98	1437.8	110.60	2.04												
211	7.00	2.75E-08	7.05E-08	71.94	2563.6	197.20	2.29												
212	7.25	1.76E-08	8.04E-08	82.04	4568.2	351.40	2.55												
213	7.50	1.08E-08	8.72E-08	88.98	8074.1	621.08	2.79												
214	7.75	6.42E-09	9.16E-08	93.45	14267.9	1097.53	3.04												
215	8.00	3.78E-09	9.42E-08	96.14	24920.6	1916.97	3.28												
216	8.25	2.24E-09	9.58E-08	97.72	42767.9	3289.84	3.52												
217	8.50	1.38E-09	9.66E-08	98.59	70000.0	5384.62	3.73												
218	8.75	9.42E-10	9.71E-08	99.04	103078.6	7929.12	3.90												
219	9.00	7.86E-10	9.72E-08	99.20	123664.1	9512.62	3.98												
220	9.25	8.64E-10	9.71E-08	99.12	112384.3	8644.94	3.94												
221	9.50	1.21E-09	9.68E-08	98.77	80000.0	6153.85	3.79												
222	9.75	1.96E-09	9.60E-08	98.00	48979.6	3767.66	3.58												
223	10.00	3.49E-09	9.45E-08	96.44	27077.4	2082.87	3.32												

2/3/00

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1																			
2	pH	Dissolved	Sorbed	%sorbed(T	Kd(mL/g)(Th)	Ka'(mL/m2)(Th)	Log Ka'		Ka'										
3		Th=9.9e-7	1 g/L; 13 m2/g						Th(IV)	Log p(CO2)									
4	PCO2=1e-0.5								pH	-0.5	-1.0	-1.5	-2.0	-2.5	-3.0	-3.5	-4.0	-4.5	-5.0
5	5.00	4.22E-11	9.90E-07	100.00	23459715.6	1804593.51	6.26		5.00	1804593.51	1762820.51	1750663.13	1746647.85	1746647.85	1746647.85	1746647.85	1746647.85	1746647.85	1746647.85
6	5.25	6.86E-11	9.90E-07	99.99	14431486.9	1110114.38	6.05		5.25	1110114.38	1066580.48	1053303.54	1048951.05	1047508.20	1047508.20	1047508.20	1047508.20	1047508.20	1047508.20
7	5.50	1.14E-10	9.90E-07	99.99	8684210.5	668016.19	5.82		5.50	668016.19	629370.63	614143.92	609230.77	609230.77	609230.77	609230.77	609230.77	609230.77	609230.77
8	5.75	1.83E-10	9.90E-07	99.98	5409836.1	416141.24	5.62		5.75	416141.24	375142.10	362637.36	359216.26	357529.79	357529.79	357529.79	357529.79	357529.79	357529.79
9	6.00	2.78E-10	9.90E-07	99.97	3561151.1	273934.70	5.44		6.00	273934.70	234319.53	222022.88	218205.86	216962.52	216962.52	216346.15	216346.15	216346.15	216346.15
10	6.25	3.93E-10	9.90E-07	99.96	2519084.0	193775.69	5.29		6.25	193775.69	154627.89	142733.44	138826.50	137820.51	137322.97	137322.97	137322.97	137075.54	137075.54
11	6.50	5.15E-10	9.89E-07	99.95	1920388.3	147722.18	5.17		6.50	147722.18	109305.92	97409.63	93575.55	92326.36	91991.44	91880.34	91769.51	91769.51	91769.51
12	6.75	6.33E-10	9.89E-07	99.94	1562401.3	120184.71	5.08		6.75	120184.71	82602.52	70441.60	66734.14	65583.55	65023.01	65023.01	65023.01	65023.01	65023.01
13	7.00	7.47E-10	9.89E-07	99.92	1323962.5	101843.27	5.01		7.00	101843.27	66153.85	54340.66	50331.13	49032.26	48407.64	48407.64	48407.64	48407.64	48407.64
14	7.25	8.80E-10	9.89E-07	99.91	1123863.6	86451.05	4.94		7.25	86451.05	54731.60	43428.57	39583.33	38383.84	37810.95	37810.95	37623.76	37623.76	37623.76
15	7.50	1.09E-09	9.89E-07	99.89	907339.4	69795.34	4.84		7.50	69795.34	45508.98	36018.96	32340.43	31147.54	30645.16	30522.09	30522.09	30522.09	30522.09
16	7.75	1.49E-09	9.89E-07	99.85	663758.4	51058.34	4.71		7.75	51058.34	36363.64	29657.45	26923.08	25824.18	25477.54	25392.33	25307.69	25307.69	25307.69
17	8.00	2.43E-09	9.88E-07	99.75	406584.4	31275.72	4.50		8.00	31275.72	26001.05	23433.05	22199.73	21692.31	21486.16	21425.47	21425.47	21425.47	21425.47
18	8.25	4.84E-09	9.85E-07	99.51	203512.4	15654.80	4.19		8.25	15654.80	15752.44	16689.26	17516.43	17930.53	18145.01	18188.53	18232.25	18232.25	18232.25
19	8.50	1.15E-08	9.78E-07	98.84	85043.5	6541.81	3.82		8.50	6541.81	7630.02	9978.66	12449.39	14136.05	14974.16	15306.92	15400.25	15431.62	15463.11
20	8.75	3.04E-08	9.60E-07	96.93	31578.9	2429.15	3.39		8.75	2429.15	2981.16	4653.61	7318.89	10005.09	11735.24	12531.84	12807.50	12916.78	12938.86
21	9.00	8.17E-08	9.08E-07	91.74	11113.8	854.91	2.93		9.00	854.91	1020.84	1629.87	3248.24	5825.88	8238.16	9684.42	10315.88	10531.39	10605.24
22	9.25	***	***	#VALUE!	#VALUE!	#VALUE!	#VALUE!		9.25	#VALUE!	334.72	487.18	997.07	2429.15	4682.69	6664.40	7787.67	8238.16	8393.94
23	9.50	***	***	#VALUE!	#VALUE!	#VALUE!	#VALUE!		9.50	#VALUE!	#VALUE!	144.45	248.52	634.80	1808.83	3657.62	5213.68	6018.46	6321.91
24	9.75	***	***	#VALUE!	#VALUE!	#VALUE!	#VALUE!		9.75	#VALUE!	#VALUE!	#VALUE!	62.55	126.15	393.16	1292.20	2723.42	3870.07	4428.77
25	10.00	***	***	#VALUE!	#VALUE!	#VALUE!	#VALUE!		10.00	#VALUE!	#VALUE!	#VALUE!	#VALUE!	25.43	61.04	233.91	866.46	1895.18	2713.44
26	PCO2=1e-1.0																		
27	5.00	4.32E-11	9.90E-07	100.00	22916666.7	1762820.51	6.25		Log(Ka')	Log p(CO2)									
28	5.25	7.14E-11	9.90E-07	99.99	13865546.2	1066580.48	6.03		pH	-0.5	-1.0	-1.5	-2.0	-2.5	-3.0	-3.5	-4.0	-4.5	-5.0
29	5.50	1.21E-10	9.90E-07	99.99	8181818.2	629370.63	5.80		5.00	6.26	6.25	6.24	6.24	6.24	6.24	6.24	6.24	6.24	6.24
30	5.75	2.03E-10	9.90E-07	99.98	4876847.3	375142.10	5.57		5.25	6.05	6.03	6.02	6.02	6.02	6.02	6.02	6.02	6.02	6.02
31	6.00	3.25E-10	9.90E-07	99.97	3046153.8	234319.53	5.37		5.50	5.82	5.80	5.79	5.78	5.78	5.78	5.78	5.78	5.78	5.78
32	6.25	4.92E-10	9.89E-07	99.95	2010162.6	154627.89	5.19		5.75	5.62	5.57	5.56	5.56	5.55	5.55	5.55	5.55	5.55	5.55
33	6.50	6.96E-10	9.89E-07	99.93	1420977.0	109305.92	5.04		6.00	5.44	5.37	5.35	5.34	5.34	5.34	5.34	5.34	5.34	5.34
34	6.75	9.21E-10	9.89E-07	99.91	1073832.8	82602.52	4.92		6.25	5.29	5.19	5.15	5.14	5.14	5.14	5.14	5.14	5.14	5.14
35	7.00	1.15E-09	9.89E-07	99.88	860000.0	66153.85	4.82		6.50	5.17	5.04	4.99	4.97	4.97	4.96	4.96	4.96	4.96	4.96
36	7.25	1.39E-09	9.89E-07	99.86	711510.8	54731.60	4.74		6.75	5.08	4.92	4.85	4.82	4.82	4.81	4.81	4.81	4.81	4.81
37	7.50	1.67E-09	9.88E-07	99.83	591616.8	45508.98	4.66		7.00	5.01	4.82	4.74	4.70	4.69	4.68	4.68	4.68	4.68	4.68
38	7.75	2.09E-09	9.88E-07	99.79	472727.3	36363.64	4.56		7.25	4.94	4.74	4.64	4.60	4.58	4.58	4.58	4.58	4.58	4.58
39	8.00	2.92E-09	9.87E-07	99.71	338013.7	26001.05	4.41		7.50	4.84	4.66	4.56	4.51	4.49	4.49	4.48	4.48	4.48	4.48
40	8.25	4.81E-09	9.85E-07	99.51	204781.7	15752.44	4.20		7.75	4.71	4.56	4.47	4.43	4.41	4.41	4.40	4.40	4.40	4.40
41	8.50	9.88E-09	9.80E-07	99.00	99190.3	7630.02	3.88		8.00	4.50	4.41	4.37	4.35	4.34	4.33	4.33	4.33	4.33	4.33
42	8.75	2.49E-08	9.65E-07	97.48	38755.0	2981.16	3.47		8.25	4.19	4.20	4.22	4.24	4.25	4.26	4.26	4.26	4.26	4.26
43	9.00	6.94E-08	9.21E-07	92.99	13270.9	1020.84	3.01		8.50	3.82	3.88	4.00	4.10	4.15	4.18	4.18	4.19	4.19	4.19
44	9.25	1.85E-07	8.05E-07	81.31	4351.4	334.72	2.52		8.75	3.39	3.47	3.67	3.86	4.00	4.07	4.10	4.11	4.11	4.11
45	9.50	***	***	#VALUE!	#VALUE!	#VALUE!	#VALUE!		9.00	2.93	3.01	3.21	3.51	3.77	3.92	3.99	4.01	4.02	4.03
46	9.75	***	***	#VALUE!	#VALUE!	#VALUE!	#VALUE!		9.25	#VALUE!	2.52	2.69	3.00	3.39	3.67	3.82	3.89	3.92	3.92
47	10.00	***	***	#VALUE!	#VALUE!	#VALUE!	#VALUE!		9.50	#VALUE!	#VALUE!	2.16	2.40	2.80	3.26	3.56	3.72	3.78	3.80
48	PCO2=1e-1.5								9.75	#VALUE!	#VALUE!	#VALUE!	1.80	2.10	2.59	3.11	3.44	3.59	3.65
49	5.00	4.35E-11	9.90E-07	100.00	22758620.7	1750663.13	6.24		10.00	#VALUE!	#VALUE!	#VALUE!	#VALUE!	1.41	1.79	2.37	2.94	3.28	3.43
50	5.25	7.23E-11	9.90E-07	99.99	13692946.1	1053303.54	6.02												
51	5.50	1.24E-10	9.90E-07	99.99	7983871.0	614143.92	5.79												
52	5.75	2.10E-10	9.90E-07	99.98	4714285.7	362637.36	5.56												
53	6.00	3.43E-10	9.90E-07	99.97	2886297.4	222022.88	5.35												
54	6.25	5.33E-10	9.89E-07	99.95	1855534.7	142733.44	5.15												
55	6.50	7.81E-10	9.89E-07	99.92	1266325.2	97409.63	4.99												
56	6.75	1.08E-09	9.89E-07	99.89	915740.7	70441.60	4.85												
57	7.00	1.40E-09	9.89E-07	99.86	706428.6	54340.66	4.74												
58	7.25	1.75E-09	9.88E-07	99.82	564571.4	43428.57	4.64												
59	7.50	2.11E-09	9.88E-07	99.79	468246.4	36018.96	4.56												
60	7.75	2.56E-09	9.87E-07	99.74	385546.9	29657.45	4.47												
61	8.00	3.24E-09	9.87E-07	99.67	304629.6	23433.05	4.37												
62	8.25	4.54E-09	9.85E-07	99.54	216960.4	16689.26	4.22												
63	8.50	7.57E-09	9.82E-07	99.24	129722.6	9978.66	4.00												
64	8.75	1.61E-08	9.74E-07	98.37	60496.9	4653.61	3.67												
65	9.00	4.46E-08	9.45E-07	95.49	21188.3	1629.87	3.21												
66	9.25	1.35E-07	8.55E-07	86.36	6333.3	487.18	2.69												
67	9.50	3.44E-07	6.46E-07	65.25	1877.9	144.45	2.16												
68	9.75	***	***	#VALUE!	#VALUE!	#VALUE!	#VALUE!												
69	10.00	***	***	#VALUE!	#VALUE!	#VALUE!	#VALUE!												
70	PCO2=1e-2.0																		
71	5.00	4.36E-11	9.90E-07	100.00	22706422.0	1746647.85	6.24												
72	5.25	7.26E-11	9.90E-07	99.99	13636363.6	1048951.05	6.02												
73	5.50	1.25E-10	9.90E-07	99.99	7920000.0	609230.77	5.78												
74	5.75	2.12E-10	9.90E-07	99.98	4669811.3	359216.26	5.56												
75	6.00	3.49E-10	9.90E-07	99.96	2836676.2	218205.86	5.34												
76	6.25	5.48E-10	9.89E-07	99.94	1804744.5	138826.50	5.14												
77	6.50	8.13E-10	9.89E-07	99.92	1216482.2	93575.55	4.97												
78	6.75	1.14E-09	9.89E-07	99.88	867543.9	66734.14	4.82												
79	7.00	1.51E-09	9.88E-07	99.85	654304.6	50331.13	4.70												
80	7.25	1.92E-09	9.88E-07	99.81	514583.3	39583.33	4.60												
81	7.50	2.35E-09	9.88E-07	99.76	420425.5	32340.43	4.51												
82	7.75	2.82E-09	9.87E-07	99.72	350000.0	26923.08	4.43												
83	8.00	3.42E-09	9.87E-07	99.65	288596.5	22199.73	4.35												
84	8.25	4.33E-09	9.86E-07	99.56	227713.6	17516.43	4.24												
85	8.50	6.08E-09	9.84E-07	99.39	161842.1	12449.39	4.10												
86	8.75	1.03E-08	9.80E-07	98.96	95145.6	7318.89	3.86												
87	9.00	2.29E-08	9.67E-07	97.69	42227.1	3248.24	3.51												
88	9.25	7.09E-08	9.19E-07	92.84	12961.9	997.07	3.00												
89	9.50	2.34E-07	7.56E-07	76.36	3230.8	248.52	2.40												
90	9.75	5.46E-07	4.44E-07	44.85	813.2	62.55	1.80												
91	10.00	***	***	#VALUE!	#VALUE!	#VALUE!	#VALUE!												
92	PCO2=1e-2.5																		
93	5.00	4.36E-11	9.90E-07	100.00	22706422.0	1746647.85	6.24												
94	5.25	7.27E-11	9.90E-07	99.99	13617606.6	1047508.20	6.02												
95	5.50	1.25E-10	9.90E-07	99.99	7920000.0	609230.77	5.78												
96	5.75	2.13E-10	9.90E-07	99.98	4647887.3	357529.79	5.55												
97	6.00	3.51E-10	9.90E-07	99.96	2820512.8	216962.52	5.34												
98	6.25	5.52E-10	9.89E-07	99.94	1791666.7	137820.51	5.14												
99	6.50	8.24E-10	9.89E-07	99.92	1200242.7	92326.36	4.97												
100	6.75	1.16E-09	9.89E-07	99.88	852586.2	65583.55	4.82												
101	7.00	1.55E-09	9.88E-07	99.84	637419.4	49032.26	4.69												
102	7.25	1.98E-09	9.88E-07	99.80	498989.9	38383.84	4.58												
103	7.50	2.44E-09	9.88E-07	99.75	404918.0	31147.54	4.49												
104	7.75	2.94E-09	9.87E-07	99.70	335714.3	25824.18	4.41												
105	8.00	3.50E-09	9.87E-07	99.65	282000.0	21692.31	4.34												
106	8.25	4.23E-09	9.86E-07	99.57	233096.9	17930.53	4.25												
107	8.50	5.36E-09	9.85E-07	99.46	183768.7	14136.05	4.15												
108	8.75	7.55E-09	9.82E-07	99.24	130066.2	10005.09	4.00												
109	9.00	1.29E-08	9.77E-07	98.70	75736.4	5825.88	3.77												
110	9.25	3.04E-08	9.60E-07	96.93	31578.9	2429.15	3.39												
111	9.50	1.07E-07	8.83E-07	89.19	8252.3	634.80	2.80												
112	9.75	3.75E-07	6.15E-07	62.12	1640.0	126.15	2.10												
113	10.00	7.44E-07	2.46E-07	24.85	330.6	25.43	1.41												
114	PCO2=1e-3.0																		
115	5.00	4.36E-11	9.90E-07	100.00	22706422.0	1746647.85	6.24												
116	5.25	7.27E-11	9.90E-07	99.99	13617606.6	1047508.20	6.02												
117	5.50	1.25E-10	9.90E-07	99.99	7920000.0	609230.77	5.78												
118	5.75	2.13E-10	9.90E-07	99.98	4647887.3	357529.79	5.55												
119	6.00	3.51E-10	9.90E-07	99.96	2820512.8	216962.52	5.34												
120	6.25	5.54E-10	9.89E-07	99.94	1785198.6	137322.97	5.14												
121	6.50	8.27E-10	9.89E-07	99.92	1195888.8	91991.44	4.96												
122	6.75	1.17E-09	9.89E-07	99.88	845299.1	65023.01	4.81												
123	7.00	1.57E-09	9.88E-07	99.84	629299.4	48407.64	4.68												
124	7.25	2.01E-09	9.88E-07	99.80	491542.3	37810.95	4.58												
125	7.50	2.48E-09	9.88E-07	99.75	398387.1	30645.16	4.49												
126	7.75	2.98E-09	9.87E-07	99.70	331208.1	25477.54	4.41												
127	8.00	3.53E-09	9.86E-07	99.64	279320.1	21486.16	4.33												
128	8.25	4.18E-09	9.86E-07	99.58	235885.2	18145.01	4.26												
129	8.50	5.06E-09	9.85E-07	99.49	194664.0	14974.16	4.18												
130	8.75	6.45E-09	9.84E-07	99.35	152558.1	11735.24	4.07												
131	9.00	9.16E-09	9.81E-07	99.07	107096.1	8238.16	3.92												
132	9.25	1.60E-08	9.74E-07	98.38	60875.0	4682.69	3.67												
133	9.50	4.04E-08	9.50E-07	95.92	23514.9	1808.83	3.26												
134	9.75	1.62E-07	8.28E-07	83.64	5111.1	393.16	2.59												
135	10.00	5.52E-07	4.38E-07	44.24	793.5	61.04	1.79												

2/3/00 QRJ

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
136	PCO2=1e-3.5																		
137	5.00	4.36E-11	9.90E-07	100.00	22706422.0	1746647.85	6.24												
138	5.25	7.27E-11	9.90E-07	99.99	13617606.6	1047508.20	6.02												
139	5.50	1.25E-10	9.90E-07	99.99	7920000.0	609230.77	5.78												
140	5.75	2.13E-10	9.90E-07	99.98	4647887.3	357529.79	5.55												
141	6.00	3.52E-10	9.90E-07	99.96	2812500.0	216346.15	5.34												
142	6.25	5.54E-10	9.89E-07	99.94	1785198.6	137322.97	5.14												
143	6.50	8.28E-10	9.89E-07	99.92	1194444.4	91880.34	4.96												
144	6.75	1.17E-09	9.89E-07	99.88	845299.1	65023.01	4.81												
145	7.00	1.57E-09	9.88E-07	99.84	629299.4	48407.64	4.68												
146	7.25	2.01E-09	9.88E-07	99.80	491542.3	37810.95	4.58												
147	7.50	2.49E-09	9.88E-07	99.75	396787.1	30522.09	4.48												
148	7.75	2.99E-09	9.87E-07	99.70	330100.3	25392.33	4.40												
149	8.00	3.54E-09	9.86E-07	99.64	278531.1	21425.47	4.33												
150	8.25	4.17E-09	9.86E-07	99.58	236450.8	18188.53	4.26												
151	8.50	4.95E-09	9.85E-07	99.50	198989.9	15306.92	4.18												
152	8.75	6.04E-09	9.84E-07	99.39	162913.9	12531.84	4.10												
153	9.00	7.80E-09	9.82E-07	99.21	125897.4	9684.42	3.99												
154	9.25	1.13E-08	9.79E-07	98.86	86637.2	6664.40	3.82												
155	9.50	2.04E-08	9.70E-07	97.94	47549.0	3657.62	3.56												
156	9.75	5.56E-08	9.34E-07	94.38	16798.6	1292.20	3.11												
157	10.00	2.45E-07	7.45E-07	75.25	3040.8	233.91	2.37												
158	PCO2=1e-4.0																		
159	5.00	4.36E-11	9.90E-07	100.00	22706422.0	1746647.85	6.24												
160	5.25	7.27E-11	9.90E-07	99.99	13617606.6	1047508.20	6.02												
161	5.50	1.25E-10	9.90E-07	99.99	7920000.0	609230.77	5.78												
162	5.75	2.13E-10	9.90E-07	99.98	4647887.3	357529.79	5.55												
163	6.00	3.52E-10	9.90E-07	99.96	2812500.0	216346.15	5.34												
164	6.25	5.54E-10	9.89E-07	99.94	1785198.6	137322.97	5.14												
165	6.50	8.29E-10	9.89E-07	99.92	1193003.6	91769.51	4.96												
166	6.75	1.17E-09	9.89E-07	99.88	845299.1	65023.01	4.81												
167	7.00	1.57E-09	9.88E-07	99.84	629299.4	48407.64	4.68												
168	7.25	2.02E-09	9.88E-07	99.80	489108.9	37623.76	4.58												
169	7.50	2.49E-09	9.88E-07	99.75	396787.1	30522.09	4.48												
170	7.75	3.00E-09	9.87E-07	99.70	329000.0	25307.69	4.40												
171	8.00	3.54E-09	9.86E-07	99.64	278531.1	21425.47	4.33												
172	8.25	4.16E-09	9.86E-07	99.58	237019.2	18232.25	4.26												
173	8.50	4.92E-09	9.85E-07	99.50	200203.3	15400.25	4.19												
174	8.75	5.91E-09	9.84E-07	99.40	166497.5	12807.50	4.11												
175	9.00	7.33E-09	9.83E-07	99.26	134106.4	10315.88	4.01												
176	9.25	9.68E-09	9.80E-07	99.02	101239.7	7787.67	3.89												
177	9.50	1.44E-08	9.76E-07	98.55	67777.8	5213.68	3.72												
178	9.75	2.72E-08	9.63E-07	97.25	35404.4	2723.42	3.44												
179	10.00	8.07E-08	9.09E-07	91.85	11263.9	866.46	2.94												
180	PCO2=1e-4.5																		
181	5.00	4.36E-11	9.90E-07	100.00	22706422.0	1746647.85	6.24												
182	5.25	7.27E-11	9.90E-07	99.99	13617606.6	1047508.20	6.02												
183	5.50	1.25E-10	9.90E-07	99.99	7920000.0	609230.77	5.78												
184	5.75	2.13E-10	9.90E-07	99.98	4647887.3	357529.79	5.55												
185	6.00	3.52E-10	9.90E-07	99.96	2812500.0	216346.15	5.34												
186	6.25	5.55E-10	9.89E-07	99.94	1781982.0	137075.54	5.14												
187	6.50	8.29E-10	9.89E-07	99.92	1193003.6	91769.51	4.96												
188	6.75	1.17E-09	9.89E-07	99.88	845299.1	65023.01	4.81												
189	7.00	1.57E-09	9.88E-07	99.84	629299.4	48407.64	4.68												
190	7.25	2.02E-09	9.88E-07	99.80	489108.9	37623.76	4.58												
191	7.50	2.49E-09	9.88E-07	99.75	396787.1	30522.09	4.48												
192	7.75	3.00E-09	9.87E-07	99.70	329000.0	25307.69	4.40												
193	8.00	3.54E-09	9.86E-07	99.64	278531.1	21425.47	4.33												
194	8.25	4.16E-09	9.86E-07	99.58	237019.2	18232.25	4.26												
195	8.50	4.91E-09	9.85E-07	99.50	200611.0	15431.62	4.19												
196	8.75	5.86E-09	9.84E-07	99.41	167918.1	12916.78	4.11												
197	9.00	7.18E-09	9.83E-07	99.27	136908.1	10531.39	4.02												
198	9.25	9.16E-09	9.81E-07	99.07	107096.1	8238.16	3.92												
199	9.50	1.25E-08	9.78E-07	98.74	78240.0	6018.46	3.78												
200	9.75	1.93E-08	9.71E-07	98.05	50310.9	3870.07	3.59												
201	10.00	3.86E-08	9.51E-07	96.10	24637.3	1895.18	3.28												
202	PCO2=1e-5.0																		
203	5.00	4.36E-11	9.90E-07	100.00	22706422.0	1746647.85	6.24												
204	5.25	7.27E-11	9.90E-07	99.99	13617606.6	1047508.20	6.02												
205	5.50	1.25E-10	9.90E-07	99.99	7920000.0	609230.77	5.78												
206	5.75	2.13E-10	9.90E-07	99.98	4647887.3	357529.79	5.55												
207	6.00	3.52E-10	9.90E-07	99.96	2812500.0	216346.15	5.34												
208	6.25	5.55E-10	9.89E-07	99.94	1781982.0	137075.54	5.14												
209	6.50	8.29E-10	9.89E-07	99.92	1193003.6	91769.51	4.96												
210	6.75	1.17E-09	9.89E-07	99.88	845299.1	65023.01	4.81												
211	7.00	1.57E-09	9.88E-07	99.84	629299.4	48407.64	4.68												
212	7.25	2.02E-09	9.88E-07	99.80	489108.9	37623.76	4.58												
213	7.50	2.49E-09	9.88E-07	99.75	396787.1	30522.09	4.48												
214	7.75	3.00E-09	9.87E-07	99.70	329000.0	25307.69	4.40												
215	8.00	3.54E-09	9.86E-07	99.64	278531.1	21425.47	4.33												
216	8.25	4.16E-09	9.86E-07	99.58	237019.2	18232.25	4.26												
217	8.50	4.90E-09	9.85E-07	99.51	201020.4	15463.11	4.19												
218	8.75	5.85E-09	9.84E-07	99.41	168205.1	12938.86	4.11												
219	9.00	7.13E-09	9.83E-07	99.28	137868.2	10605.24	4.03												
220	9.25	8.99E-09	9.81E-07	99.09	109121.2	8393.94	3.92												
221	9.50	1.19E-08	9.78E-07	98.80	82184.9	6321.91	3.80												
222	9.75	1.69E-08	9.73E-07	98.29	57574.0	4428.77	3.65												
223	10.00	2.73E-08	9.63E-07	97.24	35274.7	2713.44	3.43												

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1																			
2	pH	Dissolved	Sorbed	%sorbed(U	Kd(mL/g)(U)	Ka'(mL/m2)(U)	Log Ka'		Ka'										
3		U=3.2e-5	1 g/L; 9.7 m2/g						U(VI)	Log p(CO2)									
4	PCO2=1e-0.5								pH	-0.5	-1.0	-1.5	-2.0	-2.5	-3.0	-3.5	-4.0	-4.5	-5.0
5	5.00	3.07E-05	1.29E-06	4.03	42.0	4.33	0.64		5.00	4.33	10.24	21.83	35.61	44.00	47.55	48.24	48.93	48.93	48.93
6	5.25	3.10E-05	1.05E-06	3.28	33.9	3.49	0.54		5.25	3.49	9.50	27.78	64.37	98.06	113.94	121.33	122.86	124.42	124.42
7	5.50	3.12E-05	7.78E-07	2.43	24.9	2.57	0.41		5.50	2.57	7.95	27.38	84.35	167.31	229.21	258.30	267.88	271.79	272.41
8	5.75	3.15E-05	4.84E-07	1.51	15.4	1.58	0.20		5.75	1.58	5.92	21.99	80.18	208.13	354.11	474.01	521.32	540.58	544.83
9	6.00	3.18E-05	2.23E-07	0.70	7.0	0.72	-0.14		6.00	0.72	3.74	15.08	60.22	186.29	436.29	725.28	916.38	999.90	1027.40
10	6.25	3.19E-05	7.42E-08	0.23	2.3	0.24	-0.62		6.25	0.24	1.85	8.94	38.36	134.24	382.61	849.17	1371.50	1701.31	1837.48
11	6.50	3.20E-05	1.80E-08	0.06	0.6	0.06	-1.24		6.50	0.06	0.67	4.50	21.71	84.35	267.88	728.94	1577.95	2492.09	3043.69
12	6.75	3.20E-05	2.75E-09	0.01	0.1	0.01	-2.05		6.75	0.01	0.18	1.82	10.81	47.55	165.12	499.44	1331.24	2794.36	4282.95
13	7.00	3.20E-05	2.41E-10	0.00	0.0	0.00	-3.11		7.00	0.00	0.03	0.53	4.62	24.81	95.64	305.70	896.59	2302.66	4583.53
14	7.25	3.20E-05	1.43E-11	0.00	0.0	0.00	-4.34		7.25	0.00	0.00	0.10	1.53	11.35	51.79	176.48	543.76	1531.08	3618.72
15	7.50	3.20E-05	6.87E-13	0.00	0.0	0.00	-5.65		7.50	0.00	0.00	0.01	0.34	4.12	25.73	99.30	315.30	919.22	2344.41
16	7.75	3.20E-05	3.07E-14	0.00	0.0	0.00	-7.00		7.75	0.00	0.00	0.00	0.05	1.03	10.74	52.52	178.87	531.32	1396.44
17	8.00	3.20E-05	1.55E-15	0.00	0.0	0.00	-8.30		8.00	0.00	0.00	0.00	0.00	0.15	3.00	25.11	98.06	301.06	799.32
18	8.25	3.20E-05	1.25E-16	0.00	0.0	0.00	-9.40		8.25	0.00	0.00	0.00	0.00	0.02	0.49	8.70	51.06	169.55	452.98
19	8.50	3.20E-05	2.44E-17	0.00	0.0	0.00	-10.10		8.50	0.00	0.00	0.00	0.00	0.00	0.05	1.52	21.99	90.96	252.45
20	8.75	3.20E-05	1.40E-17	0.00	0.0	0.00	-10.35		8.75	0.00	0.00	0.00	0.00	0.00	0.00	0.18	4.85	44.84	137.71
21	9.00	3.20E-05	2.09E-17	0.00	0.0	0.00	-10.17		9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.55	14.65	71.46
22	9.25	3.20E-05	6.50E-19	0.00	0.0	0.00	-11.68		9.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	1.69	30.01
23	9.50	3.20E-05	6.14E-20	0.00	0.0	0.00	-12.70		9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	5.32
24	9.75	3.20E-05	5.74E-21	0.00	0.0	0.00	-13.73		9.75	0.00	0.00	#DIV/0!	0.00	0.00	0.00	0.00	0.00	0.01	0.47
25	10.00	3.20E-05	5.31E-22	0.00	0.0	0.00	-14.77		10.00	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	0.00	0.00	0.00	0.04
26	PCO2=1e-1.0																		
27	5.00	2.91E-05	2.89E-06	9.03	99.3	10.24	1.01		Log(Ka')	Log p(CO2)									
28	5.25	2.93E-05	2.70E-06	8.44	92.2	9.50	0.98		pH	-0.5	-1.0	-1.5	-2.0	-2.5	-3.0	-3.5	-4.0	-4.5	-5.0
29	5.50	2.97E-05	2.29E-06	7.16	77.1	7.95	0.90		5.00	0.64	1.01	1.34	1.55	1.64	1.68	1.68	1.69	1.69	1.69
30	5.75	3.03E-05	1.74E-06	5.43	57.4	5.92	0.77		5.25	0.54	0.98	1.44	1.81	1.99	2.06	2.08	2.09	2.09	2.09
31	6.00	3.09E-05	1.12E-06	3.50	36.2	3.74	0.57		5.50	0.41	0.90	1.44	1.93	2.22	2.36	2.41	2.43	2.43	2.44
32	6.25	3.14E-05	5.64E-07	1.76	18.0	1.85	0.27		5.75	0.20	0.77	1.34	1.90	2.32	2.56	2.68	2.72	2.73	2.74
33	6.50	3.18E-05	2.07E-07	0.65	6.5	0.67	-0.17		6.00	-0.14	0.57	1.18	1.78	2.27	2.64	2.86	2.96	3.00	3.01
34	6.75	3.19E-05	5.48E-08	0.17	1.7	0.18	-0.75		6.25	-0.62	0.27	0.95	1.58	2.13	2.58	2.93	3.14	3.23	3.26
35	7.00	3.20E-05	9.60E-09	0.03	0.3	0.03	-1.51		6.50	-1.24	-0.17	0.65	1.34	1.93	2.43	2.86	3.20	3.40	3.48
36	7.25	3.20E-05	1.01E-09	0.00	0.0	0.00	-2.49		6.75	-2.05	-0.75	0.26	1.03	1.68	2.22	2.70	3.12	3.45	3.63
37	7.50	3.20E-05	7.06E-11	0.00	0.0	0.00	-3.64		7.00	-3.11	-1.51	-0.27	0.66	1.39	1.98	2.49	2.95	3.36	3.66
38	7.75	3.20E-05	3.82E-12	0.00	0.0	0.00	-4.91		7.25	-4.34	-2.49	-0.98	0.19	1.05	1.71	2.25	2.74	3.18	3.56
39	8.00	3.20E-05	1.74E-13	0.00	0.0	0.00	-6.25		7.50	-5.65	-3.64	-1.90	-0.47	0.61	1.41	2.00	2.50	2.96	3.37
40	8.25	3.20E-05	7.28E-15	0.00	0.0	0.00	-7.63		7.75	-7.00	-4.91	-2.99	-1.35	0.01	1.03	1.72	2.25	2.73	3.15
41	8.50	3.20E-05	3.55E-16	0.00	0.0	0.00	-8.94		8.00	-8.30	-6.25	-4.19	-2.38	-0.82	0.48	1.40	1.99	2.48	2.90
42	8.75	3.20E-05	3.24E-17	0.00	0.0	0.00	-9.98		8.25	-9.40	-7.63	-5.49	-3.52	-1.81	-0.31	0.94	1.71	2.23	2.66
43	9.00	3.20E-05	8.84E-18	0.00	0.0	0.00	-10.55		8.50	-10.10	-8.94	-6.88	-4.77	-2.91	-1.27	0.18	1.34	1.96	2.40
44	9.25	3.20E-05	7.07E-18	0.00	0.0	0.00	-10.64		8.75	-10.35	-9.98	-8.31	-6.12	-4.10	-2.33	-0.75	0.69	1.65	2.14
45	9.50	3.20E-05	1.94E-18	0.00	0.0	0.00	-11.20		9.00	-10.17	-10.55	-9.61	-7.61	-5.42	-3.48	-1.79	-0.26	1.17	1.85
46	9.75	3.20E-05	1.82E-19	0.00	0.0	0.00	-12.23		9.25	-11.68	-10.64	-10.45	-9.11	-6.91	-4.76	-2.92	-1.28	0.23	1.48
47	10.00	3.20E-05	1.68E-20	0.00	0.0	0.00	-13.27		9.50	-12.70	-11.20	-10.76	-10.20	-8.57	-6.26	-4.17	-2.38	-0.79	0.73
48	PCO2=1e-1.5								9.75	-13.73	-12.23	#DIV/0!	-10.66	-9.87	-8.03	-5.67	-3.62	-1.88	-0.33
49	5.00	2.64E-05	5.59E-06	17.47	211.7	21.83	1.34		10.00	-14.77	-13.27	#DIV/0!	#DIV/0!	-10.46	-9.52	-7.52	-5.12	-3.11	-1.40
50	5.25	2.52E-05	6.79E-06	21.23	269.4	27.78	1.44												
51	5.50	2.53E-05	6.72E-06	20.99	265.6	27.38	1.44												
52	5.75	2.64E-05	5.63E-06	17.58	213.3	21.99	1.34												
53	6.00	2.79E-05	4.08E-06	12.76	146.2	15.08	1.18												
54	6.25	2.94E-05	2.55E-06	7.98	86.7	8.94	0.95												
55	6.50	3.07E-05	1.34E-06	4.18	43.6	4.50	0.65												
56	6.75	3.14E-05	5.54E-07	1.73	17.6	1.82	0.26												
57	7.00	3.18E-05	1.65E-07	0.52	5.2	0.53	-0.27												
58	7.25	3.20E-05	3.22E-08	0.10	1.0	0.10	-0.98												
59	7.50	3.20E-05	3.89E-09	0.01	0.1	0.01	-1.90												
60	7.75	3.20E-05	3.18E-10	0.00	0.0	0.00	-2.99												
61	8.00	3.20E-05	1.99E-11	0.00	0.0	0.00	-4.19												
62	8.25	3.20E-05	1.00E-12	0.00	0.0	0.00	-5.49												
63	8.50	3.20E-05	4.12E-14	0.00	0.0	0.00	-6.88												
64	8.75	3.20E-05	1.52E-15	0.00	0.0	0.00	-8.31												
65	9.00	3.20E-05	7.57E-17	0.00	0.0	0.00	-9.61												
66	9.25	3.20E-05	1.09E-17	0.00	0.0	0.00	-10.45												
67	9.50	3.20E-05	5.44E-18	0.00	0.0	0.00	-10.76												
68	9.75			#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!												
69	10.00			#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!												
70	PCO2=1e-2.0																		
71	5.00	2.38E-05	8.22E-06	25.67	345.4	35.61	1.55												
72	5.25	1.97E-05	1.23E-05	38.44	624.4	64.37	1.81												
73	5.50	1.76E-05	1.44E-05	45.00	818.2	84.35	1.93												
74	5.75	1.80E-05	1.40E-05	43.75	777.8	80.18	1.90												
75	6.00	2.02E-05	1.18E-05	36.88	584.2	60.22	1.78												
76	6.25	2.33E-05	8.67E-06	27.12	372.1	38.36	1.58												
77	6.50	2.64E-05	5.56E-06	17.40	210.6	21.71	1.34												
78	6.75	2.90E-05	3.04E-06	9.49	104.8	10.81	1.03												
79	7.00	3.06E-05	1.37E-06	4.29	44.8	4.62	0.66												
80	7.25	3.15E-05	4.69E-07	1.47	14.9	1.53	0.19												
81	7.50	3.19E-05	1.04E-07	0.32	3.3	0.34	-0.47												
82	7.75	3.20E-05	1.40E-08	0.04	0.4	0.05	-1.35												
83	8.00	3.20E-05	1.30E-09	0.00	0.0	0.00	-2.38												
84	8.25	3.20E-05	9.28E-11	0.00	0.0	0.00	-3.52												
85	8.50	3.20E-05	5.30E-12	0.00	0.0	0.00	-4.77												
86	8.75	3.20E-05	2.33E-13	0.00	0.0	0.00	-6.12												
87	9.00	3.20E-05	7.63E-15	0.00	0.0	0.00	-7.61												
88	9.25	3.20E-05	2.40E-16	0.00	0.0	0.00	-9.11												
89	9.50	3.20E-05	1.95E-17	0.00	0.0	0.00	-10.20												
90	9.75	3.20E-05	6.74E-18	0.00	0.0	0.00	-10.66												
91	10.00			#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!												
92	PCO2=1e-2.5																		
93	5.00	2.24E-05	9.56E-06	29.91	426.8	44.00	1.64												
94	5.25	1.64E-05	1.56E-05	48.75	951.2	98.06	1.99												
95	5.50	1.22E-05	1.98E-05	61.88	1623.0	167.31	2.22												
96	5.75	1.06E-05	2.14E-05	66.88	2018.9	208.13	2.32												
97	6.00	1.14E-05	2.06E-05	64.38	1807.0	186.29	2.27												
98	6.25	1.39E-05	1.81E-05	56.56	1302.2	134.24	2.13												
99	6.50	1.76E-05	1.44E-05	45.00	818.2	84.35	1.93												
100	6.75	2.19E-05	1.01E-05	31.56	461.2	47.55	1.68												
101	7.00	2.58E-05	6.21E-06	19.40	240.7	24.81	1.39												
102	7.25	2.88E-05	3.17E-06	9.92	110.1	11.35	1.05												
103	7.50	3.08E-05	1.23E-06	3.84	39.9	4.12	0.61												
104	7.75	3.17E-05	3.16E-07	0.99	10.0	1.03	0.01												
105	8.00	3.20E-05	4.73E-08	0.15	1.5	0.15	-0.82												
106	8.25	3.20E-05	4.82E-09	0.02	0.2	0.02	-1.81												
107	8.50	3.20E-05	3.85E-10	0.00	0.0	0.00	-2.91												
108	8.75	3.20E-05	2.48E-11	0.00	0.0	0.00	-4.10												
109	9.00	3.20E-05	1.19E-12	0.00	0.0	0.00	-5.42												
110	9.25	3.20E-05	3.79E-14	0.00	0.0	0.00	-6.91												
111	9.50	3.20E-05	8.45E-16	0.00	0.0	0.00	-8.57												
112	9.75	3.20E-05	4.17E-17	0.00	0.0	0.00	-9.87												
113	10.00	3.20E-05	1.07E-17	0.00	0.0	0.00	-10.46												
114	PCO2=1e-3.0																		
115	5.00	2.19E-05	1.01E-05	31.56	461.2	47.55	1.68												
116	5.25	1.52E-05	1.68E-05	52.50	1105.3	113.94	2.06												
117	5.50	9.94E-06	2.21E-05	68.98	2223.3	229.21	2.36												
118	5.75	7.05E-06	2.49E-05	77.93	3531.9	364.11	2.56												
119	6.00	6.12E-06	2.59E-05	80.89	4232.0	436.29	2.64												
120	6.25	6.79E-06	2.52E-05	78.77	3711.3	382.61	2.58												
121	6.50	8.89E-06	2.31E-05	72.21	2598.4	267.88	2.43												
122	6.75	1.23E-05	1.97E-05	61.56	1601.6	165.12	2.22												
123	7.00	1.66E-05	1.54E-05	48.13	927.7	95.64	1.98												
124	7.25	2.13E-05	1.07E-05	33.44	502.3	51.79	1.71												
125	7.50	2.56E-05	6.39E-06	19.97	249.6	25.73	1.41												
126	7.75	2.90E-05	3.02E-06	9.43	104.1	10.74	1.03												
127	8.00	3.11E-05	9.06E-07	2.83	29.1	3.00	0.48												
128	8.25	3.18E-05	1.52E-07	0.48	4.8	0.49	-0.31												
129	8.50	3.20E-05	1.67E-08	0.05	0.5	0.05	-1.27												
130	8.75	3.20E-05	1.44E-09	0.00	0.0	0.00	-2.33												
131	9.00	3.20E-05	1.02E-10	0.00	0.0	0.00	-3.48												
132	9.25	3.20E-05	5.36E-12	0.00	0.0	0.00	-4.76												
133	9.50	3.20E-05	1.70E-13	0.00	0.0	0.00	-6.26												
134	9.75	3.20E-05	2.92E-15	0.00	0.0	0.00	-8.03												
135	10.00	3.20E-05	9.39E-17	0.00	0.0	0.00	-9.52												

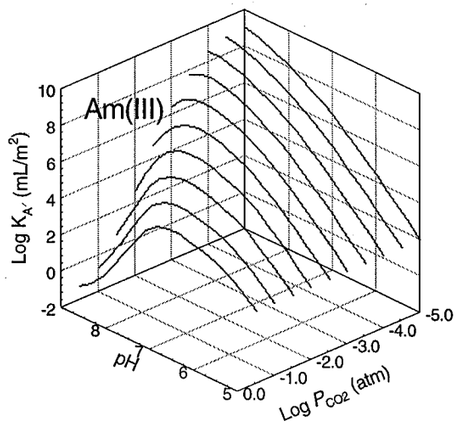
2/3/00 JKD

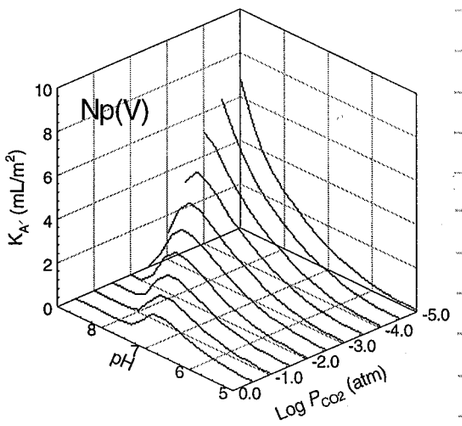
171

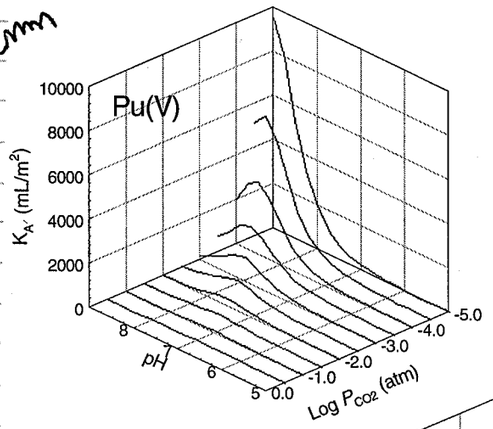
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
136	PCO2=1e-3.5																		
137	5.00	2.18E-05	1.02E-05	31.88	467.9	48.24	1.68												
138	5.25	1.47E-05	1.73E-05	54.06	1176.9	121.33	2.08												
139	5.50	9.14E-06	2.29E-05	71.47	2505.5	258.30	2.41												
140	5.75	5.72E-06	2.63E-05	82.14	4597.9	474.01	2.68												
141	6.00	3.98E-06	2.80E-05	87.55	7035.2	725.28	2.86												
142	6.25	3.46E-06	2.85E-05	89.17	8237.0	849.17	2.93												
143	6.50	3.96E-06	2.80E-05	87.61	7070.7	728.94	2.86												
144	6.75	5.47E-06	2.65E-05	82.89	4844.6	499.44	2.70												
145	7.00	8.06E-06	2.39E-05	74.78	2965.3	305.70	2.49												
146	7.25	1.18E-05	2.02E-05	63.13	1711.9	176.48	2.25												
147	7.50	1.63E-05	1.57E-05	49.06	963.2	99.30	2.00												
148	7.75	2.12E-05	1.08E-05	33.75	509.4	52.52	1.72												
149	8.00	2.57E-05	6.26E-06	19.59	243.6	25.11	1.40												
150	8.25	2.95E-05	2.49E-06	7.78	84.4	8.70	0.94												
151	8.50	3.15E-05	4.65E-07	1.45	14.8	1.52	0.18												
152	8.75	3.19E-05	5.45E-08	0.17	1.7	0.18	-0.75												
153	9.00	3.20E-05	4.99E-09	0.02	0.2	0.02	-1.79												
154	9.25	3.20E-05	3.77E-10	0.00	0.0	0.00	-2.92												
155	9.50	3.20E-05	2.11E-11	0.00	0.0	0.00	-4.17												
156	9.75	3.20E-05	6.71E-13	0.00	0.0	0.00	-5.67												
157	10.00	3.20E-05	9.36E-15	0.00	0.0	0.00	-7.52												
158	PCO2=1e-4.0																		
159	5.00	2.17E-05	1.03E-05	32.19	474.7	48.93	1.69												
160	5.25	1.46E-05	1.74E-05	54.38	1191.8	122.86	2.09												
161	5.50	8.89E-06	2.31E-05	72.21	2598.4	267.88	2.43												
162	5.75	5.28E-06	2.67E-05	83.49	5056.8	521.32	2.72												
163	6.00	3.24E-06	2.88E-05	89.89	8888.9	916.38	2.96												
164	6.25	2.24E-06	2.98E-05	93.01	13303.6	1371.50	3.14												
165	6.50	1.96E-06	3.00E-05	93.87	15306.1	1577.95	3.20												
166	6.75	2.30E-06	2.97E-05	92.81	12913.0	1331.24	3.12												
167	7.00	3.30E-06	2.87E-05	89.69	8697.0	896.59	2.95												
168	7.25	5.10E-06	2.69E-05	84.06	5274.5	543.76	2.74												
169	7.50	7.88E-06	2.41E-05	75.36	3058.4	315.30	2.50												
170	7.75	1.17E-05	2.03E-05	63.44	1735.0	178.87	2.25												
171	8.00	1.64E-05	1.56E-05	48.75	951.2	98.06	1.99												
172	8.25	2.14E-05	1.06E-05	33.13	495.3	51.06	1.71												
173	8.50	2.64E-05	5.63E-06	17.58	213.3	21.99	1.34												
174	8.75	3.06E-05	1.44E-06	4.49	47.1	4.85	0.69												
175	9.00	3.18E-05	1.70E-07	0.53	5.3	0.55	-0.26												
176	9.25	3.20E-05	1.62E-08	0.05	0.5	0.05	-1.28												
177	9.50	3.20E-05	1.28E-09	0.00	0.0	0.00	-2.38												
178	9.75	3.20E-05	7.45E-11	0.00	0.0	0.00	-3.62												
179	10.00	3.20E-05	2.34E-12	0.00	0.0	0.00	-5.12												
180	PCO2=1e-4.5																		
181	5.00	2.17E-05	1.03E-05	32.19	474.7	48.93	1.69												
182	5.25	1.45E-05	1.75E-05	54.69	1206.9	124.42	2.09												
183	5.50	8.80E-06	2.32E-05	72.50	2636.4	271.79	2.43												
184	5.75	5.13E-06	2.69E-05	83.98	5243.7	540.58	2.73												
185	6.00	2.99E-06	2.90E-05	90.65	9699.0	999.90	3.00												
186	6.25	1.83E-06	3.02E-05	94.29	16502.7	1701.31	3.23												
187	6.50	1.27E-06	3.07E-05	96.03	24173.2	2492.09	3.40												
188	6.75	1.14E-06	3.09E-05	96.44	27105.3	2794.36	3.45												
189	7.00	1.37E-06	3.06E-05	95.71	22335.8	2302.66	3.36												
190	7.25	2.02E-06	3.00E-05	93.69	14851.5	1531.08	3.18												
191	7.50	3.23E-06	2.88E-05	89.92	8916.4	919.22	2.96												
192	7.75	5.20E-06	2.68E-05	83.75	5153.8	531.32	2.73												
193	8.00	8.15E-06	2.38E-05	74.49	2920.2	301.06	2.48												
194	8.25	1.21E-05	1.99E-05	62.19	1644.6	169.55	2.23												
195	8.50	1.70E-05	1.50E-05	46.88	882.4	90.96	1.96												
196	8.75	2.23E-05	9.70E-06	30.31	435.0	44.84	1.65												
197	9.00	2.80E-05	3.98E-06	12.45	142.1	14.65	1.17												
198	9.25	3.15E-05	5.15E-07	1.61	16.3	1.69	0.23												
199	9.50	3.19E-05	5.03E-08	0.16	1.6	0.16	-0.79												
200	9.75	3.20E-05	4.07E-09	0.01	0.1	0.01	-1.88												
201	10.00	3.20E-05	2.41E-10	0.00	0.0	0.00	-3.11												
202	PCO2=1e-5.0																		
203	5.00	2.17E-05	1.03E-05	32.19	474.7	48.93	1.69												
204	5.25	1.45E-05	1.75E-05	54.69	1206.9	124.42	2.09												
205	5.50	8.78E-06	2.32E-05	72.55	2642.4	272.41	2.44												
206	5.75	5.09E-06	2.69E-05	84.09	5284.9	544.83	2.74												
207	6.00	2.92E-06	2.91E-05	90.88	9965.8	1027.40	3.01												
208	6.25	1.70E-06	3.03E-05	94.69	17823.5	1837.48	3.26												
209	6.50	1.05E-06	3.10E-05	96.72	29523.8	3043.69	3.48												
210	6.75	7.51E-07	3.12E-05	97.65	41544.6	4282.95	3.63												
211	7.00	7.04E-07	3.13E-05	97.80	44460.2	4583.53	3.66												
212	7.25	8.86E-07	3.11E-05	97.23	35101.6	3618.72	3.56												
213	7.50	1.35E-06	3.07E-05	95.79	22740.7	2344.41	3.37												
214	7.75	2.20E-06	2.98E-05	93.13	13545.5	1396.44	3.15												
215	8.00	3.65E-06	2.83E-05	88.58	7753.4	799.32	2.90												
216	8.25	5.94E-06	2.61E-05	81.46	4393.9	452.98	2.66												
217	8.50	9.27E-06	2.27E-05	71.00	2448.8	252.45	2.40												
218	8.75	1.37E-05	1.83E-05	57.19	1335.8	137.71	2.14												
219	9.00	1.89E-05	1.31E-05	40.94	693.1	71.46	1.85												
220	9.25	2.48E-05	7.22E-06	22.55	291.1	30.01	1.48												
221	9.50	3.04E-05	1.57E-06	4.91	51.6	5.32	0.73												
222	9.75	3.19E-05	1.46E-07	0.46	4.6	0.47	-0.33												
223	10.00	3.20E-05	1.23E-08	0.04	0.4	0.04	-1.40												

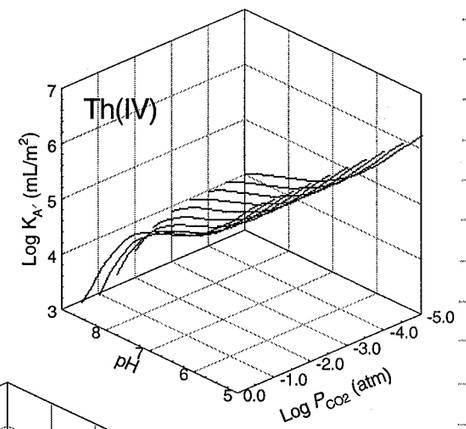
2/3/00
JKV

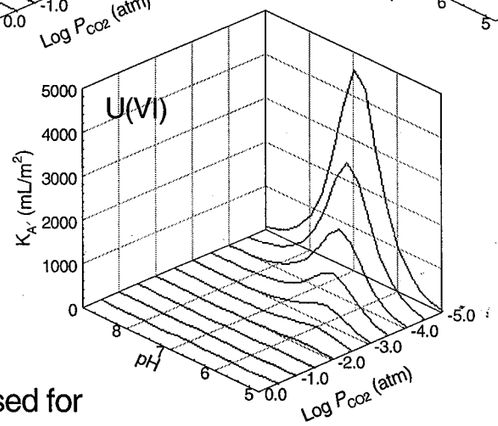
171











Note: Log $K_{A'}$ used for Am(III) and Th(IV)

2/3/00 DRB

DRBumm

Look-Up Tables (Show same data as Figure on pg. 172, this notebook)

DRBumm

	A	B	C	D	E	F	G	H	I	J	K
1	Ka'										
2	Am(III)	Log p(CO2)									
3	pH	-0.5	-1.0	-1.5	-2.0	-2.5	-3.0	-3.5	-4.0	-4.5	-5.0
4	5.00	94	97	98	98	98	98	98	98	98	98
5	5.25	326	363	376	378	381	381	381	381	381	381
6	5.50	975	1270	1411	1464	1481	1487	1490	1490	1490	1490
7	5.75	2268	3827	4985	5536	5752	5796	5840	5840	5840	5840
8	6.00	4173	9052	15216	19595	21582	22294	22557	22623	22623	22623
9	6.25	6732	16896	36732	60036	75339	82276	84632	85385	85670	85766
10	6.50	10107	27488	71154	148927	231000	280741	300481	307692	310174	310174
11	6.75	13916	41722	118957	300481	587199	842531	976181	1028383	1046572	1052299
12	7.00	15308	57348	184026	526870	1240695	2166847	2838490	3139717	3245699	3287311
13	7.25	10580	63509	257268	841609	2289377	4777831	7256894	8643042	9201325	9392317
14	7.50	3389	45426	287026	1203804	3827019	9312721	16331863	21308332	23523877	24342746
15	7.75	489	16460	211909	1368738	5656109	16297262	32873110	47192072	54555374	57405281
16	8.00	48	2633	84726	1036699	6574622	25056377	59630292	94037991	113623452	121521449
17	8.25	5	238	15588	447227	5162623	30525031	95675469	170940171	216684724	235238767
18	8.50	1	18	1462	93487	2338087	24975025	124672734	281769513	380807312	420344683
19	8.75	0	2	91	9515	541712	11926058	111321385	396510706	620347395	705716302
20	9.00	0	0	5	548	60036	2970003	57405281	411353353	914662032	1110001110
21	9.25	0	0	1	23	3359	352858	15202189	248941997	1110001110	1636661211
22	9.50	0	0	0	1	106	19106	1876173	71890726	869187310	2154708037
23	9.75	0	0	#VALUE!	0	4	473	98018	9092562	304043782	2166847237
24	10.00	0	0	#VALUE!	#VALUE!	0	13	1947	449843	40064103	1065416578
25											
26	Log(Ka')	Log p(CO2)		MINTEQA2 did not converge							
27	pH	-0.5	-1.0	-1.5	-2.0	-2.5	-3.0	-3.5	-4.0	-4.5	-5.0
28	5.00	1.97	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99
29	5.25	2.51	2.56	2.57	2.58	2.58	2.58	2.58	2.58	2.58	2.58
30	5.50	2.99	3.10	3.15	3.17	3.17	3.17	3.17	3.17	3.17	3.17
31	5.75	3.36	3.58	3.70	3.74	3.76	3.76	3.77	3.77	3.77	3.77
32	6.00	3.62	3.96	4.18	4.29	4.33	4.35	4.35	4.35	4.35	4.35
33	6.25	3.83	4.23	4.57	4.78	4.88	4.92	4.93	4.93	4.93	4.93
34	6.50	4.00	4.44	4.85	5.17	5.36	5.45	5.48	5.49	5.49	5.49
35	6.75	4.14	4.62	5.08	5.48	5.77	5.93	5.99	6.01	6.02	6.02
36	7.00	4.18	4.76	5.26	5.72	6.09	6.34	6.45	6.50	6.51	6.52
37	7.25	4.02	4.80	5.41	5.93	6.36	6.68	6.86	6.94	6.96	6.97
38	7.50	3.53	4.66	5.46	6.08	6.58	6.97	7.21	7.33	7.37	7.39
39	7.75	2.69	4.22	5.33	6.14	6.75	7.21	7.52	7.67	7.74	7.76
40	8.00	1.68	3.42	4.93	6.02	6.82	7.40	7.78	7.97	8.06	8.08
41	8.25	0.68	2.38	4.19	5.65	6.71	7.48	7.98	8.23	8.34	8.37
42	8.50	-0.18	1.25	3.16	4.97	6.37	7.40	8.10	8.45	8.58	8.62
43	8.75	-0.81	0.19	1.96	3.98	5.73	7.08	8.05	8.60	8.79	8.85
44	9.00	-1.22	-0.64	0.73	2.74	4.78	6.47	7.76	8.61	8.96	9.05
45	9.25	-1.38	-1.22	-0.29	1.36	3.53	5.55	7.18	8.40	9.05	9.21
46	9.50	-2.22	-0.72	-1.01	0.16	2.03	4.28	6.27	7.86	8.94	9.33
47	9.75	-3.08	-1.58	#VALUE!	-0.68	0.64	2.67	4.99	6.96	8.48	9.34
48	10.00	-3.96	-2.45	#VALUE!	#VALUE!	-0.32	1.13	3.29	5.65	7.60	9.03

Note; Only 2 of 460 analyses (see pg. 178, this notebook) have $9.4 < pH < 9.6$, so nonconvergence @ $pH \geq 9.75$ may not be important

2/3/00
DBS

	A	B	C	D	E	F	G	H	I	J	K
1	Ka'										
2	Np(V)	Log p(CO2)									
3	pH	-0.5	-1.0	-1.5	-2.0	-2.5	-3.0	-3.5	-4.0	-4.5	-5.0
4	5.00	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
5	5.25	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
6	5.50	0.15	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
7	5.75	0.21	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
8	6.00	0.30	0.29	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
9	6.25	0.43	0.41	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
10	6.50	0.60	0.58	0.57	0.56	0.56	0.56	0.56	0.56	0.56	0.56
11	6.75	0.82	0.79	0.78	0.78	0.78	0.77	0.77	0.77	0.77	0.77
12	7.00	0.99	1.03	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
13	7.25	0.98	1.25	1.33	1.35	1.36	1.36	1.36	1.36	1.36	1.36
14	7.50	0.44	1.26	1.56	1.67	1.70	1.71	1.72	1.72	1.72	1.72
15	7.75	0.03	0.74	1.59	1.95	2.07	2.11	2.13	2.13	2.13	2.14
16	8.00	0.00	0.09	1.10	2.00	2.39	2.53	2.57	2.59	2.60	2.60
17	8.25	0.00	0.00	0.24	1.52	2.47	2.93	3.10	3.16	3.18	3.18
18	8.50	0.00	0.00	0.01	0.51	1.99	3.05	3.64	3.88	3.96	3.99
19	8.75	0.00	0.00	0.00	0.02	0.86	2.51	3.86	4.68	5.05	5.17
20	9.00	0.00	0.00	0.00	0.00	0.07	1.27	3.20	5.09	6.27	6.80
21	9.25	0.00	0.00	0.00	0.00	0.00	0.16	1.70	4.17	6.91	8.55
22	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.28	2.23	5.67	9.42
23	9.75	0.00	0.00	#DIV/0!	0.00	0.00	0.00	0.00	0.44	2.94	7.86
24	10.00	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	0.00	0.01	0.62	4.00
25											
26	Log(Ka')	Log p(CO2)									
27	pH	-0.5	-1.0	-1.5	-2.0	-2.5	-3.0	-3.5	-4.0	-4.5	-5.0
28	5.00	-1.10	-1.10	-1.10	-1.10	-1.11	-1.11	-1.11	-1.11	-1.11	-1.11
29	5.25	-0.97	-0.98	-0.98	-0.98	-0.98	-0.98	-0.98	-0.98	-0.98	-0.98
30	5.50	-0.83	-0.84	-0.85	-0.85	-0.85	-0.85	-0.85	-0.85	-0.85	-0.85
31	5.75	-0.68	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70	-0.70
32	6.00	-0.53	-0.54	-0.55	-0.55	-0.55	-0.55	-0.55	-0.55	-0.55	-0.55
33	6.25	-0.37	-0.39	-0.39	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40	-0.40
34	6.50	-0.22	-0.24	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25
35	6.75	-0.09	-0.10	-0.11	-0.11	-0.11	-0.11	-0.11	-0.11	-0.11	-0.11
36	7.00	0.00	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
37	7.25	-0.01	0.10	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13
38	7.50	-0.35	0.10	0.19	0.22	0.23	0.23	0.24	0.24	0.24	0.24
39	7.75	-1.54	-0.13	0.20	0.29	0.32	0.33	0.33	0.33	0.33	0.33
40	8.00	-3.22	-1.05	0.04	0.30	0.38	0.40	0.41	0.41	0.41	0.41
41	8.25	-4.73	-2.75	-0.62	0.18	0.39	0.47	0.49	0.50	0.50	0.50
42	8.50	-5.70	-4.60	-2.17	-0.29	0.30	0.48	0.56	0.59	0.60	0.60
43	8.75	-5.92	-6.09	-4.18	-1.61	-0.07	0.40	0.59	0.67	0.70	0.71
44	9.00	-5.38	-6.76	-6.08	-3.66	-1.15	0.10	0.51	0.71	0.80	0.83
45	9.25	-6.88	-6.41	-7.10	-5.86	-3.15	-0.80	0.23	0.62	0.84	0.93
46	9.50	-8.22	-6.72	-6.86	-7.10	-5.55	-2.73	-0.55	0.35	0.75	0.97
47	9.75	-9.58	-8.08	#DIV/0!	-6.92	-6.91	-5.22	-2.40	-0.35	0.47	0.90
48	10.00	-10.96	-9.46	#DIV/0!	#DIV/0!	-6.77	-6.59	-4.87	-2.15	-0.21	0.60

Very small, attempt to divide by 0

Note: K_A' effectively 0.0 for #DIV/0! based on trends.

2/3/00
DBS

	A	B	C	D	E	F	G	H	I	J	K
1	Ka'										
2	Pu(V)	Log p(CO2)									
3	pH	-0.5	-1.0	-1.5	-2.0	-2.5	-3.0	-3.5	-4.0	-4.5	-5.0
4	5.00	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73
5	5.25	3.19	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20
6	5.50	5.81	5.85	5.86	5.87	5.87	5.87	5.87	5.87	5.87	5.87
7	5.75	10.43	10.63	10.63	10.63	10.63	10.63	10.63	10.63	10.63	10.63
8	6.00	18.38	18.99	19.23	19.23	19.23	19.23	19.23	19.23	19.23	19.23
9	6.25	31.08	33.45	34.26	34.43	34.59	34.59	34.59	34.59	34.59	34.59
10	6.50	47.27	56.50	60.14	61.40	61.91	61.91	61.91	61.91	61.91	61.91
11	6.75	57.45	85.89	101.71	107.84	109.67	110.60	110.60	110.60	110.60	110.60
12	7.00	50.42	105.17	155.03	181.24	192.31	195.22	197.20	197.20	197.20	197.20
13	7.25	33.61	92.86	189.45	277.00	324.06	341.88	348.98	348.98	351.40	351.40
14	7.50	18.74	62.68	169.43	339.57	494.17	572.94	608.39	614.68	621.08	621.08
15	7.75	7.81	35.59	114.90	303.81	608.39	875.10	1017.08	1071.76	1089.55	1097.53
16	8.00	1.14	16.49	66.12	208.62	546.09	1074.57	1545.08	1789.79	1887.02	1916.97
17	8.25	0.09	3.26	32.81	121.46	374.48	967.40	1891.95	2705.08	3129.30	3289.84
18	8.50	0.02	0.15	9.22	62.68	221.04	669.46	1705.76	3304.59	4663.76	5384.62
19	8.75	0.02	0.01	0.45	22.01	116.37	397.19	1183.43	2986.24	5678.21	7929.12
20	9.00	0.06	0.00	0.01	1.57	46.66	213.02	707.60	2082.87	5124.67	9512.62
21	9.25	0.00	0.01	0.00	0.03	5.00	91.35	382.74	1250.00	3619.91	8644.94
22	9.50	0.00	0.00	0.00	0.00	0.07	13.25	170.24	681.78	2187.57	6153.85
23	9.75	0.00	0.00	#DIV/0!	0.00	0.00	0.16	30.01	309.66	1198.75	3767.66
24	10.00	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	0.36	60.64	551.28	2082.87
25											
26	Log(Ka')	Log p(CO2)									
27	pH	-0.5	-1.0	-1.5	-2.0	-2.5	-3.0	-3.5	-4.0	-4.5	-5.0
28	5.00	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
29	5.25	0.50	0.50	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
30	5.50	0.76	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77
31	5.75	1.02	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
32	6.00	1.26	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28
33	6.25	1.49	1.52	1.53	1.54	1.54	1.54	1.54	1.54	1.54	1.54
34	6.50	1.67	1.75	1.78	1.79	1.79	1.79	1.79	1.79	1.79	1.79
35	6.75	1.76	1.93	2.01	2.03	2.04	2.04	2.04	2.04	2.04	2.04
36	7.00	1.70	2.02	2.19	2.26	2.28	2.29	2.29	2.29	2.29	2.29
37	7.25	1.53	1.97	2.28	2.44	2.51	2.53	2.54	2.54	2.55	2.55
38	7.50	1.27	1.80	2.23	2.53	2.69	2.76	2.78	2.79	2.79	2.79
39	7.75	0.89	1.55	2.06	2.48	2.78	2.94	3.01	3.03	3.04	3.04
40	8.00	0.06	1.22	1.82	2.32	2.74	3.03	3.19	3.25	3.28	3.28
41	8.25	-1.06	0.51	1.52	2.08	2.57	2.99	3.28	3.43	3.50	3.52
42	8.50	-1.71	-0.82	0.96	1.80	2.34	2.83	3.23	3.52	3.67	3.73
43	8.75	-1.68	-1.96	-0.34	1.34	2.07	2.60	3.07	3.48	3.75	3.90
44	9.00	-1.22	-2.36	-1.85	0.20	1.67	2.33	2.85	3.32	3.71	3.98
45	9.25	-3.35	-2.06	-2.65	-1.54	0.70	1.96	2.58	3.10	3.56	3.94
46	9.50	-4.59	-3.10	-2.59	-2.68	-1.16	1.12	2.23	2.83	3.34	3.79
47	9.75	-5.83	-4.34	#DIV/0!	-2.81	-2.58	-0.79	1.48	2.49	3.08	3.58
48	10.00	-7.09	-5.59	#DIV/0!	#DIV/0!	-2.86	-2.43	-0.45	1.78	2.74	3.32

Very small. Attempt to divide by zero

2/3/00 DRJ

	A	B	C	D	E	F	G	H	I	J	K
1	Ka'										
2	Th(IV)	Log p(CO2)									
3	pH	-0.5	-1.0	-1.5	-2.0	-2.5	-3.0	-3.5	-4.0	-4.5	-5.0
4	5.00	1804593.51	1762820.51	1750663.13	1746647.85	1746647.85	1746647.85	1746647.85	1746647.85	1746647.85	1746647.85
5	5.25	1110114.38	1066580.48	1053303.54	1048951.05	1047508.20	1047508.20	1047508.20	1047508.20	1047508.20	1047508.20
6	5.50	668016.19	629370.63	614143.92	609230.77	609230.77	609230.77	609230.77	609230.77	609230.77	609230.77
7	5.75	416141.24	375142.10	362637.36	359216.26	357529.79	357529.79	357529.79	357529.79	357529.79	357529.79
8	6.00	273934.70	234319.53	222022.88	218205.86	216962.52	216962.52	216346.15	216346.15	216346.15	216346.15
9	6.25	193775.69	154627.89	142733.44	138826.50	137820.51	137322.97	137322.97	137322.97	137075.54	137075.54
10	6.50	147722.18	109305.92	97409.63	93575.55	92326.36	91991.44	91880.34	91769.51	91769.51	91769.51
11	6.75	120184.71	82602.52	70441.60	66734.14	65583.55	65023.01	65023.01	65023.01	65023.01	65023.01
12	7.00	101843.27	66153.85	54340.66	50331.13	49032.26	48407.64	48407.64	48407.64	48407.64	48407.64
13	7.25	86451.05	54731.60	43428.57	39583.33	38383.84	37810.95	37810.95	37623.76	37623.76	37623.76
14	7.50	69795.34	45508.98	36018.96	32340.43	31147.54	30645.16	30522.09	30522.09	30522.09	30522.09
15	7.75	51058.34	36363.64	29657.45	26923.08	25824.18	25477.54	25392.33	25307.69	25307.69	25307.69
16	8.00	31275.72	26001.05	23433.05	22199.73	21692.31	21486.16	21425.47	21425.47	21425.47	21425.47
17	8.25	15654.80	15752.44	16689.26	17516.43	17930.53	18145.01	18188.53	18232.25	18232.25	18232.25
18	8.50	6541.81	7630.02	9978.66	12449.39	14136.05	14974.16	15306.92	15400.25	15431.62	15463.11
19	8.75	2429.15	2981.16	4653.61	7318.89	10005.09	11735.24	12531.84	12807.50	12916.78	12938.86
20	9.00	854.91	1020.84	1629.87	3248.24	5825.88	8238.16	9684.42	10315.88	10531.39	10605.24
21	9.25	#VALUE!	334.72	487.18	997.07	2429.15	4682.69	6664.40	7787.67	8238.16	8393.94
22	9.50	#VALUE!	#VALUE!	144.45	248.52	634.80	1808.83	3657.62	5213.68	6018.46	6321.91
23	9.75	#VALUE!	#VALUE!	#VALUE!	62.55	126.15	393.16	1292.20	2723.42	3870.07	4428.77
24	10.00	#VALUE!	#VALUE!	#VALUE!	#VALUE!	25.43	61.04	233.91	866.46	1895.18	2713.44
25											
26	Log(Ka')	Log p(CO2)									
27	pH	-0.5	-1.0	-1.5	-2.0	-2.5	-3.0	-3.5	-4.0	-4.5	-5.0
28	5.00	6.26	6.25	6.24	6.24	6.24	6.24	6.24	6.24	6.24	6.24
29	5.25	6.05	6.03	6.02	6.02	6.02	6.02	6.02	6.02	6.02	6.02
30	5.50	5.82	5.80	5.79	5.78	5.78	5.78	5.78	5.78	5.78	5.78
31	5.75	5.62	5.57	5.56	5.56	5.55	5.55	5.55	5.55	5.55	5.55
32	6.00	5.44	5.37	5.35	5.34	5.34	5.34	5.34	5.34	5.34	5.34
33	6.25	5.29	5.19	5.15	5.14	5.14	5.14	5.14	5.14	5.14	5.14
34	6.50	5.17	5.04	4.99	4.97	4.97	4.96	4.96	4.96	4.96	4.96
35	6.75	5.08	4.92	4.85	4.82	4.82	4.81	4.81	4.81	4.81	4.81
36	7.00	5.01	4.82	4.74	4.70	4.69	4.68	4.68	4.68	4.68	4.68
37	7.25	4.94	4.74	4.64	4.60	4.58	4.58	4.58	4.58	4.58	4.58
38	7.50	4.84	4.66	4.56	4.51	4.49	4.49	4.48	4.48	4.48	4.48
39	7.75	4.71	4.56	4.47	4.43	4.41	4.41	4.40	4.40	4.40	4.40
40	8.00	4.50	4.41	4.37	4.35	4.34	4.33	4.33	4.33	4.33	4.33
41	8.25	4.19	4.20	4.22	4.24	4.25	4.26	4.26	4.26	4.26	4.26
42	8.50	3.82	3.88	4.00	4.10	4.15	4.18	4.18	4.19	4.19	4.19
43	8.75	3.39	3.47	3.67	3.86	4.00	4.07	4.10	4.11	4.11	4.11
44	9.00	2.93	3.01	3.21	3.51	3.77	3.92	3.99	4.01	4.02	4.03
45	9.25	#VALUE!	2.52	2.69	3.00	3.39	3.67	3.82	3.89	3.92	3.92
46	9.50	#VALUE!	#VALUE!	2.16	2.40	2.80	3.26	3.56	3.72	3.78	3.80
47	9.75	#VALUE!	#VALUE!	#VALUE!	1.80	2.10	2.59	3.11	3.44	3.59	3.65
48	10.00	#VALUE!	#VALUE!	#VALUE!	#VALUE!	1.41	1.79	2.37	2.94	3.28	3.43

MINTEQA2 did not converge

Note: Only 1 out of 460 analyses (see pg. 178 of this notebook) show Log P_{CO_2} > -1.25; Only 14 of these 2 of 460 analyses show pH > 9.2, Therefore nonconvergence may not be a problem

2/3/00 DRJ

	A	B	C	D	E	F	G	H	I	J	K
1	Ka'										
2	U(VI)	Log p(CO2)									
3	pH	-0.5	-1.0	-1.5	-2.0	-2.5	-3.0	-3.5	-4.0	-4.5	-5.0
4	5.00	4.33	10.24	21.83	35.61	44.00	47.55	48.24	48.93	48.93	48.93
5	5.25	3.49	9.50	27.78	64.37	98.06	113.94	121.33	122.86	124.42	124.42
6	5.50	2.57	7.95	27.38	84.35	167.31	229.21	258.30	267.88	271.79	272.41
7	5.75	1.58	5.92	21.99	80.18	208.13	364.11	474.01	521.32	540.58	544.83
8	6.00	0.72	3.74	15.08	60.22	186.29	436.29	725.28	916.38	999.90	1027.40
9	6.25	0.24	1.85	8.94	38.36	134.24	382.61	849.17	1371.50	1701.31	1837.48
10	6.50	0.06	0.67	4.50	21.71	84.35	267.88	728.94	1577.95	2492.09	3043.69
11	6.75	0.01	0.18	1.82	10.81	47.55	165.12	499.44	1331.24	2794.36	4282.95
12	7.00	0.00	0.03	0.53	4.62	24.81	95.64	305.70	896.59	2302.66	4583.53
13	7.25	0.00	0.00	0.10	1.53	11.35	51.79	176.48	543.76	1531.08	3618.72
14	7.50	0.00	0.00	0.01	0.34	4.12	25.73	99.30	315.30	919.22	2344.41
15	7.75	0.00	0.00	0.00	0.05	1.03	10.74	52.52	178.87	531.32	1396.44
16	8.00	0.00	0.00	0.00	0.00	0.15	3.00	25.11	98.06	301.06	799.32
17	8.25	0.00	0.00	0.00	0.00	0.02	0.49	8.70	51.06	169.55	452.98
18	8.50	0.00	0.00	0.00	0.00	0.00	0.05	1.52	21.99	90.96	252.45
19	8.75	0.00	0.00	0.00	0.00	0.00	0.00	0.18	4.85	44.84	137.71
20	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.55	14.65	71.46
21	9.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	1.69	30.01
22	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	5.32
23	9.75	0.00	0.00	#DIV/0!	0.00	0.00	0.00	0.00	0.00	0.01	0.47
24	10.00	0.00	0.00	#DIV/0!	#DIV/0!	0.00	0.00	0.00	0.00	0.00	0.04
25											
26	Log(Ka')	Log p(CO2)									
27	pH	-0.5	-1.0	-1.5	-2.0	-2.5	-3.0	-3.5	-4.0	-4.5	-5.0
28	5.00	0.64	1.01	1.34	1.55	1.64	1.68	1.68	1.69	1.69	1.69
29	5.25	0.54	0.98	1.44	1.81	1.99	2.06	2.08	2.09	2.09	2.09
30	5.50	0.41	0.90	1.44	1.93	2.22	2.36	2.41	2.43	2.43	2.44
31	5.75	0.20	0.77	1.34	1.90	2.32	2.56	2.68	2.72	2.73	2.74
32	6.00	-0.14	0.57	1.18	1.78	2.27	2.64	2.86	2.96	3.00	3.01
33	6.25	-0.62	0.27	0.95	1.58	2.13	2.58	2.93	3.14	3.23	3.26
34	6.50	-1.24	-0.17	0.65	1.34	1.93	2.43	2.86	3.20	3.40	3.48
35	6.75	-2.05	-0.75	0.26	1.03	1.68	2.22	2.70	3.12	3.45	3.63
36	7.00	-3.11	-1.51	-0.27	0.66	1.39	1.98	2.49	2.95	3.36	3.66
37	7.25	-4.34	-2.49	-0.98	0.19	1.05	1.71	2.25	2.74	3.18	3.56
38	7.50	-5.65	-3.64	-1.90	-0.47	0.61	1.41	2.00	2.50	2.96	3.37
39	7.75	-7.00	-4.91	-2.99	-1.35	0.01	1.03	1.72	2.25	2.73	3.15
40	8.00	-8.30	-6.25	-4.19	-2.38	-0.82	0.48	1.40	1.99	2.48	2.90
41	8.25	-9.40	-7.63	-5.49	-3.52	-1.81	-0.31	0.94	1.71	2.23	2.66
42	8.50	-10.10	-8.94	-6.88	-4.77	-2.91	-1.27	0.18	1.34	1.96	2.40
43	8.75	-10.35	-9.98	-8.31	-6.12	-4.10	-2.33	-0.75	0.69	1.65	2.14
44	9.00	-10.17	-10.55	-9.61	-7.61	-5.42	-3.48	-1.79	-0.26	1.17	1.85
45	9.25	-11.68	-10.64	-10.45	-9.11	-6.91	-4.76	-2.92	-1.28	0.23	1.48
46	9.50	-12.70	-11.20	-10.76	-10.20	-8.57	-6.26	-4.17	-2.38	-0.79	0.73
47	9.75	-13.73	-12.23	#DIV/0!	-10.66	-9.87	-8.03	-5.67	-3.62	-1.88	-0.33
48	10.00	-14.77	-13.27	#DIV/0!	#DIV/0!	-10.46	-9.52	-7.52	-5.12	-3.11	-1.40

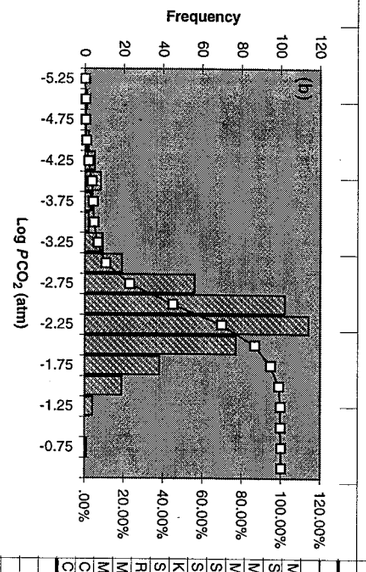
Very small. Attempt to divide by zero

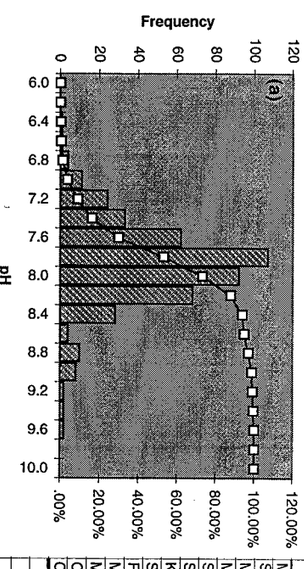
2/3/00 (KL)

pH + log PCO_2 based on data from Perfect et al 1995.

	pH	frequency	cumulative %
1	0.000N to 4,100,000N and 500,00		
2			
3	6.0	0	.00%
4	6.2	0	.00%
5	6.4	1	.22%
6	6.6	1	.44%
7	6.8	4	1.31%
8	7.0	11	3.70%
9	7.2	24	8.93%
10	7.4	33	16.12%
11	7.6	62	29.63%
12	7.8	107	52.94%
13	8.0	92	72.98%
14	8.2	68	87.80%
15	8.4	28	93.90%
16	8.6	4	94.77%
17	8.8	10	96.95%
18	9.0	8	98.69%
19	9.2	2	99.13%
20	9.4	2	99.56%
21	9.6	2	100.00%
22	9.8	0	100.00%
23	10.0	0	100.00%
24	More	0	100.00%
25			

	log PCO2	frequency	cumulative %
26			
27	-5.25	0	.00%
28	-5.00	1	.22%
29	-4.75	0	.22%
30	-4.50	2	.65%
31	-4.25	5	1.74%
32	-4.00	8	3.48%
33	-3.75	3	4.13%
34	-3.50	2	4.57%
35	-3.25	9	6.52%
36	-3.00	19	10.65%
37	-2.75	56	22.83%
38	-2.50	102	45.00%
39	-2.25	114	69.78%
40	-2.00	77	86.52%
41	-1.75	38	94.78%
42	-1.50	19	98.91%
43	-1.25	4	99.78%
44	-1.00	0	99.78%
45	-0.75	1	100.00%
46	-0.50	0	100.00%
47	More	0	100.00%





	pH	Log PCO2
Mean	7.832609	-2.499793
Standard E	0.020773	0.025292
Median	7.8	-2.449
Mode	7.8	-2.342
Standard D	0.445533	0.542457
Sample Va	0.1985	0.294259
Kurtosis	1.753896	3.729513
Skewness	0.433867	-1.299524
Range	3.3	4.311
Minimum	6.3	-5.08
Maximum	9.6	-0.769
Count	460	460
Confidence	0.040822	0.049703

Correlation	pH	Log PCO2
pH	1	
Log PCO2	-0.83028	1

Correlation for sampling

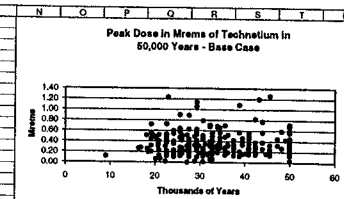
D.R. Turner

Pages 179 through 183 have been eliminated from this scientific notebook.
Information potentially subject to copyright protection was redacted.
The redacted material is from the following reference:

Pabalan, R.T. D.R. Turner, and M.P. Miklas, Jr. "Technetium-99 Chemistry in Reduced Groundwaters: Implications for the Performance of a Proposed High-Level Waste Repository at Yucca Mountain, Nevada. D. Shoesmith and R. Smith, eds. Materials Research Society Symposium Proceedings: Scientific Basis for Nuclear Waste Management XXIII. Pittsburgh, PA: Materials Research Society. pp. 231-236. 2000.

Base Case - Unsorted 1 of 2

3/3/00



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
12	Input		file	tpa.inp	as	supplied	with	TPA	Version	3.2.1	Code.																
13	Base		case	data	set	Rev	3.2.1	2/22/99																			
14	TPA		3.2.3	PVM	capable,	Job	started:	Fri	Oct	22	9:26:05	1999															
15	Groundwater		Total	Peak	Dose	and	Peak	Time	with	Doses																	
16	for		Each	Nuclide	at	Peak	Time	-	Values	for	Each	Vector															
18	vector	pktime	pktime	pktede	Cm246de	U238de	Cm245de	Am241de	Np237de	Am243de	Pu239de	Pu240de	U234de	Th230de	Ra226de	Pb210de	Cs135de	I129de	Tc99de	Tc99de	Ni59de	C14de	Se79de	Nb94de	Cl36de	timedwpk	dmkh20
19	unitless	yr/1000	yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	mrem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	yr	rem/yr
20	1	34.45	34452	8.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04	1.94E-01	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-06	3.45E+04	2.03E-04
21	2	42.41	42405	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-04	5.58E-01	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-05	4.24E+04	4.40E-04
22	3	42.41	42405	1.76E-02	0.00E+00	2.93E-07	0.00E+00	0.00E+00	1.71E-02	0.00E+00	0.00E+00	0.00E+00	1.12E-06	1.09E-10	3.03E-11	1.48E-10	0.00E+00	1.70E-04	2.60E-01	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05	4.24E+04	1.03E-02
23	4	25.61	25612	9.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04	3.74E-01	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	2.56E+04	3.01E-04
24	5	27.58	27578	2.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	8.94E-01	8.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05	2.76E+04	7.50E-04
25	6	32.79	32786	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	1.02E-01	1.02E-04	0.00E+00	0.00E+00	2.48E-05	0.00E+00	2.65E-06	3.28E+04	8.88E-05
26	7	34.45	34452	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	1.51E-01	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-06	3.39E+04	1.27E-04
27	8	27.58	27578	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-04	3.09E-01	3.09E-04	0.00E+00	0.00E+00	3.58E-05	0.00E+00	1.89E-05	2.76E+04	3.23E-04
28	9	24.20	24197	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	6.24E-01	6.24E-04	0.00E+00	0.00E+00	3.16E-05	0.00E+00	3.07E-05	2.42E+04	6.65E-04
29	10	25.61	25612	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-04	3.91E-01	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-06	2.42E+04	3.35E-04
30	11	50.00	50000	8.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05	1.24E-01	1.24E-04	3.90E-08	0.00E+00	1.44E-05	0.00E+00	1.14E-06	5.00E+04	3.61E-03
31	12	32.26	32256	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	6.69E-01	6.69E-04	1.87E-07	0.00E+00	0.00E+00	0.00E+00	2.54E-05	3.23E+04	5.76E-04
32	13	42.41	42405	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-04	3.04E-01	3.04E-04	1.74E-07	0.00E+00	2.88E-05	0.00E+00	2.46E-06	4.24E+04	2.04E-04
33	14	40.92	40922	6.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	2.03E-01	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-06	4.09E+04	1.88E-04
34	15	22.60	22603	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-04	4.44E-01	4.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05	2.26E+04	3.93E-04
35	16	50.00	50000	2.04E-02	0.00E+00	1.60E-20	0.00E+00	0.00E+00	2.05E-02	0.00E+00	0.00E+00	0.00E+00	7.03E-20	3.62E-24	0.00E+00	0.00E+00	0.00E+00	1.24E-04	1.74E-01	1.74E-04	5.65E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	5.00E+04	1.22E-02
36	17	32.26	32255	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	1.33E-01	1.33E-04	1.95E-14	0.00E+00	1.43E-07	0.00E+00	2.98E-06	3.23E+04	1.03E-04
37	18	50.00	50000	7.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	3.35E-01	3.35E-04	0.00E+00	0.00E+00	7.44E-10	0.00E+00	4.04E-06	5.00E+04	2.56E-04
38	19	27.17	27186	9.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-04	2.80E-01	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-06	2.72E+04	2.94E-04
39	20	50.00	50000	7.58E-04	0.00E+00	1.61E-08	0.00E+00	0.00E+00	7.56E-04	0.00E+00	0.00E+00	0.00E+00	5.97E-08	1.90E-10	3.00E-11	9.99E-11	0.00E+00	8.09E-07	9.20E-04	9.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-09	5.00E+04	4.48E-04
40	21	27.58	27578	9.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	4.51E-01	4.51E-04	3.04E-08	0.00E+00	0.00E+00	0.00E+00	1.88E-05	2.76E+04	3.27E-04
41	22	21.18	21183	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-04	3.34E-01	3.34E-04	0.00E+00	0.00E+00	1.22E-08	0.00E+00	1.96E-05	2.12E+04	3.19E-04
42	23	48.17	48173	1.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-05	6.49E-02	6.49E-05	2.08E-08	0.00E+00	0.00E+00	0.00E+00	6.26E-07	4.73E+04	4.23E-05
43	24	20.66	20659	2.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	6.89E-01	6.89E-04	0.00E+00	0.00E+00	6.44E-05	0.00E+00	1.91E-05	1.92E+04	6.52E-04
44	25	50.00	50000	6.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	3.17E-01	3.17E-04	0.00E+00	0.00E+00	3.32E-07	0.00E+00	1.15E-05	4.82E+04	2.28E-04
45	26	30.74	30736	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-04	2.83E-01	2.83E-04	0.00E+00	0.00E+00	8.12E-05	0.00E+00	1.33E-05	3.23E+04	3.40E-04
46	27	19.23	19226	5.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	2.30E-01	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-06	1.92E+04	1.92E-04
47	28	27.58	27578	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	4.44E-01	4.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-06	2.76E+04	4.53E-04
48	29	42.41	42405	9.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-04	2.15E-01	2.15E-04	0.00E+00	0.00E+00	3.56E-07	0.00E+00	1.77E-06	4.24E+04	2.82E-04
49	30	25.61	25612	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-04	8.15E-01	8.15E-04	1.18E-10	0.00E+00	0.00E+00	0.00E+00	1.84E-05	2.42E+04	5.52E-04
50	31	30.74	30736	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-04	6.02E-01	6.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	3.07E+04	4.69E-04
51	32	35.63	35629	9.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04	4.28E-01	4.28E-04	9.60E-08	0.00E+00	3.81E-08	0.00E+00	9.68E-06	3.56E+04	3.18E-04
52	33	22.60	22603	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-04	6.91E-01	6.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05	2.26E+04	4.85E-04
53	34	50.00	50000	2.33E-02	0.00E+00	6.79E-22	0.00E+00	0.00E+00	2.25E-02	0.00E+00	0.00E+00	0.00E+00	2.52E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	3.88E-01	3.88E-04	0.00E+00	0.00E+00	4.11E-07	0.00E+00	6.96E-06	5.00E+04	1.38E-02
54	35	25.61	25612	5.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.47E-04	1.67E-01	1.67E-04	0.00E+00	0.00E+00	7.32E-05	0.00E+00	8.38E-06	2.56E+04	1.86E-04
55	36	19.23	19226	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-04	4.68E-01	4.68E-04	6.65E-08	0.00E+00	0.00E+00	0.00E+00	1.65E-05	1.92E+04	3.60E-04
56	37	25.61	25612	2.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	7.13E-01	7.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	2.15E+04	6.55E-04
57	38	22.31	22306	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	6.03E-01	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05	2.23E+04	4.14E-04
58	39	50.00	50000	2.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-06	2.09E-02	2.09E-05	0.00E+00	0.00E+00	1.81E-07	0.00E+00	1.85E-06	5.00E+04	1.06E-05
59	40	19.23	19226	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-04	4.16E-01	4.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05	1.92E+04	3.72E-04
60	41	37.50	37500	3.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	2.00E-01	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-06	3.75E+04	2.16E-03
61	42	16.40	16404	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-04	4.19E-01	4.19E-04	4.07E-06	0.00E+00	8.35E-05	0.00E+00	2.39E-05	1.62E+04	4.04E-04
62	43	22.60	22603	7.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04	2.62E-01	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	2.26E+04	2.38E-04
63	44	28.87	28868	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-04	3.68E-01	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05	2.60E+04	3.26E-04
64	45	25.99	25987	2.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	1.65E-02	1.65E-05	1.05E-08	0.00E+00	0.00E+00	0.00E+00	2.22E-07	2.60E+04	1.05E-05
65	46	20.92	20918	1.12E-03	0.00E+00	4.81E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-06	1.01E-13	5.91E-13	2.29E-12	0.00E+00	6.84E-04	4.21E-01	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05	2.09E+04	3.62E-04
66	47	24.20	24197	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	1.29E-01	1.29E-04	0.00E+00	0.00E+00	3.21E-05	0.00E+00	3.39E-06	2.42E+04	1.21E-04
67	48	37.50	37500	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-04	1.64E-01	1.64E-04	4.34E-07	0.00E+00	0.00E+00	0.00E+00	1.65E-06	3.75E+04	1.37E-04
68	49	32.26	32256	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	1.32E-01	1.32E-04	0.00E+00	0.00E+00	2.59E-06	0.00E+00	2.45E-06	3.23E+04	1.15E-04
69	50	40.21	40205	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	5.96E-02	5.96E-05	8.41E-10	0.00E+00	0.00E+00	0.00E+00	1.99E-06	3.95E+04	8.31E-05
70	51	30.74	30736	6.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04	1.71E-01	1.71E-04	3.40E-08	0.00E+00	4.25E-05	0.00E+00	2.52E-06	3.07E+04	1.94E-04
71	52	50.00	50000	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05	1.14E-01	1.14E-04	0.00E+00	0.00E+00	1.27E-05	0.00E+00	9.27E-07	5.00E+04	1.23E-03
72	53	24.20	24197	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-04	7.06E-01	7.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-05	2.42E+04	5.11E-04
73	54	34.45	34452	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04	5.96E-01	5.96E-04	4.04E-07	0.00E+00	1.12E-06	0.00E+00	1.58E-05	3.45E+04	4.10E-04
74	55	43.96	43959	6.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	3.90E-01	3.90E-04	0.00E+00	0.00E+00	9.12E-06	0.00E+00	3.16E-06	4.32E+04	2.50E-04
75	56	32.26	32255	9.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-04	3.76E-01	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05	3.23E+04	3.09E-04
76	57	34.45	34452	7.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-04	1.76E-01	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.34E-06	3.45E+04	2.16E-04
77	58	29.32	29319	6.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	2.64E-01	2.64E-04	2.00E-15	0.00E+00	6.52E-08	0.00E+00	4.87E-06	2.89E+04	2.20E-04
78	59	29.32	29319	8.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	3.64E-01	3.64E-04	7.99E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-05	2.93E+04	2.83E-04
79	60	22.60	22603	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-04	5.20E-01	5.20E-04	0.00E+00	0.00E+00	4.65E-08	0.00E+00	2.81E-05	2.26E+04	4.11E-04
80	61	22.60	22603	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-04	5.24E-01	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-05	2.26E+04	4.20E-04
81	62	22.60	22603	9.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-04	3.75E-01	3.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05	2.26E+04	3.10E-04
82	63	36.24	36238	2.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-04	1.19E-01	1.19E-04	0.00E+00	0.00E+00	1.27E-05	0.00E+00	2.15E-06	3.75E+04	8.96E-05
83	64	32.79	32786	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	3.32E-01	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-06	2.56E+04	4.25E-04
84	65	40.92	40922	1.26E-02	0.00E+00	1.37E-11	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	0.00E+00	6.21E-11	3.94E-13	1.41E-15	6.11E-15	0.00E+00	1.99E-04	3.07E-01	3.07E-04	1.07E-05	0.00E+00	0.00E+00	0.00E+00	2.48E-06	4.09E+04	7.28E-03
85	66	40.92	40922	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	4.64E-01	4.64E-04	1.57E-05	0.00E+00	0.00E+00	0.00E+00	3.75E-06	2.93E+04	4.92E-04
86	67	32.79	32786	7.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	2.30E-01	2.30E-04	1.02E-08	0.00E+00	7.85E-05	0.00E+00	1.19E-05	3.28E+04	2.30E-04
87	68	42.41	42405	8.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-04	2.93E-01	2.93E-04	1.11E-06	0.00E+00	2.37E-07	0.00E+00	4.27E-06	4.24E+04	2.76E-04
88	69	37.50	37500	8.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-04	3.02E-01	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	3.75E+04	2.59E-04
89	70	38.82	38821	9.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-04	4.13E-01	4.13E-04	7.00E-08	0.00E+00	0.00E+00	0.00E+00	1.54E-05	3.88E+04	3.29E-04
90	71	39.51	39505	7.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-04	1.21E-01	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-07	3.95E+04	2.00E-04
91	72	48.17	48173	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-04	4.53E-01	4.53E-04	2.02E-07	0.00E+00	0.00E+00	0.00E+00	2.68E-05	4.91E+04	4.21E-04
92	73	16.89	16893	9.96E-04	0.00E+00	4.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-08	3.25E-14	3.50E-13	4.33E-13	0.00E+00	7.14E-04	2.66E-01	2.66E-04	0.00E+00	0.00E+00	7.50E-08	0.00E+00	1.82E-05	1.69E+04	2.93E-04
93	74	28.87	28868	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	2.75E-01	2.75E-04	0.00E+00	0.00E+00	1.50E-04	0.00E+00	3.35E-06	2.89E+04	4.34E-04
94	75	27.58	27578	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	4.87E-01	4.87E-04	2.02E-07	0.00E+00	0.00E+00	0.00E+00	2.89E-05	2.76E+04	4.71E-04
95	76	37.50	37500	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	4.34E-01	4.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-06	2.56E+04	5.62E-04
96	77	29.32	29319	8.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-04	3.35E-01	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05	2.93E+04	2.87E-04
97	78	29.32	29319	2.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	1.05E+00	1.05E-03	9.65E-08	0.00E+00	0.00E+00	0.00E+00	3.51E-05	2.93E+04	8.05E-04
98	79	50.00	50000	6.73E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	3.54E-01	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-06	5.00E+04	3.97E-02
99	80	25.99	25987	8.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-04	2.90E-01	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-06	2.60E+04	2.78E-04
100	81	29.32	29319	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-04	4.71E-01	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-06	2.56E+04	4.43E-04
101	82	27.17	27185	7.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04	2.27E-01	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	3.23E+04	2.40E-04
102	83	50.00	50000	2.42E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	3.07E-01	3.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-06	5.00E+04	1.42E-02
103	84	39.51	39505	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	2.70E-01	2.70E-04	0.00E+00	0.00E+00	2.18E-05	0.00E+00	5.66E-06	3.95E+04	2.05E-04
104	85	42.41	42405	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-04	3.33E-01	3.33E-04	6.32E-07	0.00E+00	5.71E-05	0.00E+00	2.74E-06	3.56E+04	4.09E-04
105	86	32.79	32786	9.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-04	1.70E-01	1.70E-04	2.07E-07	0.00E+00	2.00E-05	0.00E+00	1.36E-06	3.26E+04	2.52E-04
106	87	22.60	22603	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-04	5.60E-01	5.60E-04	0.00E+00	0.00E+00	4.84E-10	0.00E+00	2.80E-05	2.26E+04	4.63E-04
107	88	27.58	27576	4.02E-02	0.00E+00	7.39E-09	0.00E+00	0.00E+00	3.98E-02	0.00E+00	0.00E+00	0.00E+00	2.91E-08	9.88E-11	2.38E-12	1.04E-11	0.00E+00	1.47E-04	2.19E-01	2.19E-04	0.00E+00	0.00E+00	2.28E-05	0.00E+00	1.74E-08	2.76E+04	2.37E-02
108	89	24.20	24197	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.79E-04	3.75E-01	3.75E-04	2.16E-08	0.00E+00	1.45E-04	0.00E+00	1.26E-05	2.42E+04	3.88E-04
109	90	30.74	30736	5.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	3.52E-01	3.52E-04	0.00E+00	0.00E+00	3.32E-07	0.00E+00	9.32E-06	3.07E+04	2.23E-04
110	91	50.00	50000	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	1.64E-01	1.64E-04	0.00E+00	0.00E+00	1.77E-05	0.00E+00	1.33E-06	5.00E+04	5.27E-04
111	92	49.08	49078	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	2.31E-01	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05	4.91E+04	1.84E-04
112	93	25.99	25987	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-04	4.22E-01	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05	2.56E+04	4.07E-04
113	94	43.96	43959	7.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04	1.95E-01	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-05	3.56E+04	2.39E-04
114	95	29.32	29319	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-04	5.65E-01	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-05	2.93E+04	4.20E-04
115	96	37.50	37500	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-04	3.16E-01	3.15E-04	1.56E-07	0.00E+00	7.59E-07	0.00E+00	1.97E-05	3.75E+04	3.08E-04
116	97	50.00	50000	4.57E-04	0.00E+00	8.10E-28	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	2.18E-01	2.18E-04	0.00E+00	0.00E+00	3.44E-05	0.00E+00	1.03E-05	5.00E+04	1.71E-04
117	98	19.45	19451	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-04	4.08E-01	4.08E-04	0.00E+00	0.00E+00	8.75E-05	0.00E+00	1.85E-05	1.95E+04	3.84E-04
118	99	24.20	24197	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-04	5.11E-01	5.11E-04	0.00E+00	0.00E+00	8.44E-07	0.00E+00	1.82E-05	2.42E+04	3.78E-04
119	100	20.41	20406	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-04	3.56E-01	3.56E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	2.18E-05	2.04E+04	4.07E-04
120	101	22.60	22603	8.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-04	4.32E-01	4.32E-04	0.00E+00	0.00E+00	6.32E-06	0.00E+00	1.47E-05	2.26E+04	3.10E-04
121	102	29.32	29319	7.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	3.98E-01	3.98E-04	8.41E-09	0.00E+00	6.30E-08	0.00E+00	1.07E-05	2.93E+04	2.82E-04
122	103	24.20	24197	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	5.80E-01	5.80E-04	2.70E-08	0.00E+00	0.00E+00	0.00E+00	1.76E-05	2.42E+04	5.20E-04
123	104	43.96	43959	5.67E-03	0.00E+00	1.48E-11	0.00E+00	0.00E+00	5.49E-03	0.00E+00	0.00E+00	0.00E+00	5.58E-11	9.37E-15	3.47E-15	2.67E-14	0.00E+00	7.78E-05	1.01E-01	1.01E-04	6.39E-17	0.00E+00	0.00E+00	0.00E+00	8.15E-07	4.40E+04	3.31E-03
124	105	50.00	50000	1.94E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	2.53E-01	2.53E-04	7.67E-06	0.00E+00	0.00E+00	0.00E+00	2.06E-06	5.00E+04	1.14E-02
125	106	37.50	37500	7.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	2.65E-01	2.65E-04	0.00E+00	0.00E+00	7.09E-05	0.00E+00	4.90E-06	3.62E+04	2.55E-04
126	107	32.79	32786	9.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-04	3.41E-01	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	3.28E+04	3.03E-04
127	108	18.18	18175	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-04	4.82E-01	4.82E-04	0.00E+00	0.00E+00	8.66E-05	0.00E+00	1.52E-05	2.09E+04	4.37E-04
128	109	32.26	32255	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-04	5.11E-01	5.11E-04	3.06E-07	0.00E+00	0.00E+00	0.00E+00	8.06E-06	3.23E+04	4.20E-04
129	110	37.50	37500	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-04	3.39E-01	3.39E-04	8.94E-08	0.00E+00	9.90E-06	0.00E+00	2.81E-06	2.76E+04	3.95E-04
130	111	35.63	35629	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	2.53E-01	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-06	3.56E+04	5.14E-04
131	112	27.58	27576	8.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	2.79E-01	2.79E-04	0.00E+00	0.00E+00	1.30E-07	0.00E+00	1.74E-05	2.76E+04	2.55E-04
132	113	32.26	32256	7.72E-04	0.00E+00	1.83E-29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04	2.35E-01	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	3.23E+04	2.34E-04
133	114	24.20	24197	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	6.95E-01	6.95E-04	2.13E-10	0.00E+00	0.00E+00	0.00E+00	9.01E-06	2.42E+04	6.72E-04
134	115	24.20	24197	6.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-09	6.42E-13	1.67E-12	0.00E+00	4.33E-04	1.42E-01	1.42E-04	0.00E+00	0.00E+00	8.95E-05	0.00E+00	1.54E-06	5.00E+04	2.15E-04
135	116	27.58	27576	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-04	5.38E-01	5.36E-04	0.00E+00	0.00E+00	7.42E-07	0.00E+00	5.65E-06	2.42E+04	4.77E-04
136	117	27.58	27576	7.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04	2.47E-01	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-06	2.76E+04	2.28E-04
137	118	22.91	22907	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-04	4.00E-01	4.00E-04	3.40E-08	0.00E+00	1.63E-04	0.00E+00	2.51E-05	2.29E+04	4.66E-04
138	119	22.60	22600	3.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-03	1.23E+00	1.23E-03	0.00E+00	0.00E+00	1.03E-08	0.00E+00	5.12E-05	2.26E+04	1.06E-03
139	120	20.16	20159	2.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03	7.24E-01	7.24E-04	1.03E-05	0.00E+00	0.00E+00	0.00E+00	3.26E-05	2.26E+04	7.63E-04
140	121	30.74	30736	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	6.14E-02	6.14E-05	2.08E-08	0.00E+00	0.00E+00	0.00E+00	4.91E-07	3.07E+04	7.24E-05
141	122	42.41	42405	3.77E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	1.65E-01	1.65E-04	0.00E+00	0.00E+00	1.07E-05	0.00E+00	1.34E-06	4.24E+04	2.23E-02
142	123	30.74	30736	5.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	1.44E-01	1.44E-04	3.53E-06	0.00E+00	0.00E+00	0.00E+00	1.21E-06	2.80E+04	1.81E-04
143	124	24.20	24197	6.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	2.69E-01	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-06	2.42E+04	2.07E-04
144	125	47.29	47291	1.09E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	1.62E-01	1.62E-04	2.66E-11	0.00E+00	2.00E-05	0.00E+00	1.32E-06	4.73E+04	8.36E-03
145	126	45.59	45586	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-04	3.18E-01	3.18E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	2.58E-06	4.56E+04	3.92E-04
146	127	43.96	43959	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-04	3.22E-01	3.22E-04	1.58E-07	0.00E+00	2.31E-08	0.00E+00	2.81E-05	4.40E+04	3.47E-04
147	128	25.61	25612	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-04	7.68E-01	7.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-05	2.56E+04	5.63E-04
148	129	34.45	34452	6.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	2.79E-01	2.79E-04	6.65E-08	0.00E+00	5.81E-08	0.00E+00	4.06E-06	2.93E+04	2.45E-04
149	130	30.74	30736	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-04	6.66E-01	6.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05	3.07E+04	6.24E-04
150	131	20.92	20918	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-04	5.02E-01	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-05	2.23E+04	4.34E-04
151	132	40.92	40922	6.56E-04	0.00E+00	3.46E-13	0.00E+00	0.00E+00	1.74E-07	0.00E+00	0.00E+00	0.00E+00	1.31E-12	3.42E-17	3.97E-17	2.59E-16	0.00E+00	3.57E-04	2.33E-01	2.33E-04	0.00E+00	0.00E+00	6.32E-05	0.00E+00	3.29E-06	4.09E+04	2.18E-04
152	133	50.00	50000	4.13E-02	0.00E+00	1.13E-08	0.00E+00	0.00E+00	4.06E-02	0.00E+00	0.00E+00	0.00E+00	4.17E-08	1.88E-11	6.33E-12	4.14E-11	0.00E+00	3.06E-04	4.76E-01	4.76E-04	0.00E+00	0.00E+00	8.26E-10	0.00E+00	3.88E-06	5.00E+04	2.43E-02
153	134	24.20	24197	5.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	1.76E-01	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-06	2.42E+04	1.77E-04

Base Case - Unsorted 2 of 2

3/3/00

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
154	135	30.74	30736	6.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	1.96E-01	1.96E-04	0.00E+00	0.00E+00	1.58E-05	0.00E+00	1.57E-06	3.07E+04	1.83E-04
155	136	30.74	30736	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-04	2.63E-01	2.63E-04	2.56E-18	0.00E+00	6.39E-07	0.00E+00	2.18E-06	3.07E+04	3.18E-04
156	137	9.11	9107	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-07	9.88E-03	9.88E-06	3.25E-08	0.00E+00	4.64E-08	0.00E+00	1.28E-07	9.11E+03	5.03E-06
157	138	50.00	50000	5.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-05	1.15E-01	1.15E-04	0.00E+00	0.00E+00	1.29E-08	0.00E+00	9.34E-07	5.00E+04	3.08E-03
158	139	50.00	50000	4.91E-05	0.00E+00	6.32E-09	0.00E+00	0.00E+00	5.63E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-08	5.99E-11	1.81E-11	9.25E-11	0.00E+00	1.18E-06	3.03E-02	3.03E-05	1.97E-08	0.00E+00	0.00E+00	0.00E+00	2.30E-08	5.00E+04	4.79E-05
159	140	22.60	22603	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	5.98E-01	5.98E-04	0.00E+00	0.00E+00	2.33E-04	0.00E+00	1.67E-05	2.26E+04	6.21E-04
160	141	29.32	29319	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	4.65E-01	4.65E-04	0.00E+00	0.00E+00	7.53E-13	0.00E+00	3.72E-06	2.26E+04	5.20E-04
161	142	29.32	29319	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	9.71E-02	9.71E-05	4.01E-07	0.00E+00	0.00E+00	0.00E+00	6.60E-06	2.93E+04	9.25E-05
162	143	32.79	32786	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	6.17E-01	6.17E-04	0.00E+00	0.00E+00	1.16E-06	0.00E+00	3.06E-05	3.39E+04	5.73E-04
163	144	35.63	35629	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	2.14E-01	2.14E-04	0.00E+00	0.00E+00	4.94E-06	0.00E+00	7.42E-06	3.45E+04	1.96E-04
164	145	34.45	34452	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	2.49E-01	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-06	3.56E+04	1.70E-04
165	146	32.26	32255	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.95E-04	3.69E-01	3.69E-04	0.00E+00	0.00E+00	7.40E-07	0.00E+00	2.15E-05	3.23E+04	4.05E-04
166	147	29.32	29319	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-04	7.05E-01	7.05E-04	1.40E-05	0.00E+00	9.71E-06	0.00E+00	1.56E-05	2.93E+04	5.51E-04
167	148	38.82	38821	4.83E-04	0.00E+00	1.44E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-10	1.32E-14	6.36E-14	1.39E-13	0.00E+00	1.43E-04	3.31E-01	3.31E-04	1.28E-08	0.00E+00	0.00E+00	0.00E+00	7.47E-08	3.76E+04	1.98E-04
168	149	29.32	29319	5.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	2.05E-01	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-06	2.93E+04	1.82E-04
169	150	27.58	27576	8.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-04	2.49E-01	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-06	2.76E+04	2.50E-04
170	151	24.20	24197	1.81E-03	0.00E+00	6.66E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-09	5.88E-12	4.46E-14	1.50E-13	0.00E+00	9.00E-04	8.83E-01	8.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-06	2.42E+04	6.37E-04
171	152	44.76	44763	2.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	6.81E-01	6.81E-04	8.81E-10	0.00E+00	2.02E-04	0.00E+00	4.80E-06	3.75E+04	7.06E-04
172	153	40.92	40922	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	1.56E-01	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-06	3.26E+04	1.41E-04
173	154	38.24	38238	3.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.00E-03	2.05E-06	3.93E-08	0.00E+00	8.90E-04	3.58E-01	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-06	5.00E+04	1.81E-03
174	155	40.92	40922	8.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	5.18E-01	5.18E-04	0.00E+00	0.00E+00	6.51E-18	0.00E+00	1.33E-05	4.09E+04	2.82E-04
175	156	38.82	38821	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	5.44E-01	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-06	3.07E+04	6.39E-04
176	157	24.20	24197	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-04	5.65E-01	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-05	2.42E+04	4.56E-04
177	158	50.00	50000	1.90E-02	0.00E+00	2.97E-18	0.00E+00	0.00E+00	1.67E-02	0.00E+00	0.00E+00	0.00E+00	1.10E-17	5.00E-23	2.84E-22	0.00E+00	0.00E+00	8.58E-06	1.33E-01	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-06	5.00E+04	1.12E-02
178	159	43.17	43173	2.07E-02	0.00E+00	3.28E-09	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.57E-12	1.90E-12	6.62E-12	0.00E+00	2.01E-04	2.71E-01	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-06	4.32E+04	1.22E-02
179	160	25.61	25612	2.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.19E+00	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-05	2.56E+04	8.20E-04
180	161	25.99	25987	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.57E-04	6.35E-01	6.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05	2.60E+04	4.37E-04
181	162	27.17	27165	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	5.15E-01	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-05	2.72E+04	5.02E-04
182	163	27.58	27576	7.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-04	2.21E-01	2.21E-04	4.96E-07	0.00E+00	6.27E-07	0.00E+00	2.81E-06	2.76E+04	2.19E-04
183	164	33.88	33884	8.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-04	2.39E-01	2.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	3.39E+04	2.51E-04
184	165	33.88	33884	7.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	1.83E-01	1.83E-04	0.00E+00	0.00E+00	1.72E-05	0.00E+00	5.30E-06	3.39E+04	2.11E-04
185	166	28.87	28868	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-04	6.81E-01	6.81E-04	0.00E+00	0.00E+00	1.28E-04	0.00E+00	5.95E-06	2.78E+04	4.93E-04
186	167	35.63	35629	9.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-04	3.20E-01	3.20E-04	0.00E+00	0.00E+00	6.32E-06	0.00E+00	5.48E-06	3.56E+04	3.09E-04
187	168	45.59	45586	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.24E-05	1.40E-01	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-06	4.56E+04	8.03E-05
188	169	38.82	38821	7.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-04	2.40E-01	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	3.84E+04	2.31E-04
189	170	25.61	25612	2.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03	1.09E+00	1.09E-03	0.00E+00	0.00E+00	4.60E-11	0.00E+00	1.08E-05	2.09E+04	9.10E-04
190	171	47.29	47291	1.05E-03	0.00E+00	3.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-08	1.34E-10	9.52E-12	2.99E-11	0.00E+00	8.31E-04	2.14E-01	2.14E-04	8.53E-08	0.00E+00	1.43E-07	0.00E+00	5.45E-06	4.73E+04	2.94E-04
191	172	24.20	24197	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-04	4.42E-01	4.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-06	2.26E+04	4.26E-04
192	173	30.74	30736	8.26E-04	0.00E+00	1.06E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-14	1.25E-19	2.42E-19	4.46E-19	0.00E+00	5.92E-04	2.25E-01	2.25E-04	0.00E+00	0.00E+00	1.64E-08	0.00E+00	8.94E-08	3.07E+04	2.46E-04
193	174	29.78	29780	2.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	7.87E-01	7.87E-04	0.00E+00	0.00E+00	9.98E-08	0.00E+00	3.71E-05	2.98E+04	7.19E-04
194	175	25.99	25987	7.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	3.09E-01	3.09E-04	4.20E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-05	2.60E+04	2.44E-04
195	176	40.92	40922	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	2.13E-01	2.13E-04	5.17E-08	0.00E+00	5.18E-05	0.00E+00	8.31E-08	4.09E+04	1.75E-04
196	177	31.23	31231	6.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	2.82E-01	2.82E-04	2.90E-07	0.00E+00	0.00E+00	0.00E+00	3.72E-06	3.07E+04	2.32E-04
197	178	27.58	27576	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-04	3.38E-01	3.38E-04	0.00E+00	0.00E+00	1.38E-10	0.00E+00	2.93E-06	2.76E+04	3.74E-04
198	179	29.78	29780	9.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-04	2.79E-01	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05	2.98E+04	2.85E-04
199	180	31.74	31737	5.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	1.72E-01	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-06	3.39E+04	1.74E-04
200	181	39.51	39505	6.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04	1.48E-01	1.48E-04	4.88E-06	0.00E+00	2.20E-05	0.00E+00	1.18E-06	2.26E+04	1.93E-04
201	182	32.79	32786	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-04	3.74E-01	3.74E-04	4.09E-08	0.00E+00	5.90E-05	0.00E+00	3.00E-06	2.09E+04	4.34E-04
202	183	20.92	20918	8.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-04	4.01E-01	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-06	2.09E+04	2.90E-04
203	184	32.79	32786	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.33E-04	5.13E-01	5.13E-04	0.00E+00	0.00E+00	7.65E-07	0.00E+00	2.46E-05	3.28E+04	4.19E-04
204	185	25.61	25612	6.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	2.72E-01	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-06	2.42E+04	2.09E-04
205	186	50.00	50000	2.31E-02	0.00E+00	2.34E-08	0.00E+00	0.00E+00	2.29E-02	0.00E+00	0.00E+00	0.00E+00	8.68E-08	1.22E-09	5.96E-10	6.80E-10	0.00E+00	9.86E-05	1.41E-01	1.41E-04	4.67E-06	0.00E+00	2.80E-09	0.00E+00	1.15E-06	5.00E+04	1.38E-02
206	187	29.32	29319	6.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	2.35E-01	2.35E-04	0.00E+00	0.00E+00	2.44E-12	0.00E+00	7.84E-06	2.93E+04	2.05E-04
207	188	45.59	45586	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	2.56E-01	2.56E-04	0.00E+00	0.00E+00	1.11E-11	0.00E+00	2.08E-06	4.56E+04	5.44E-04
208	189	27.17	27165	2.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	1.25E+00	1.25E-03	0.00E+00	0.00E+00	3.50E-04	0.00E+00	2.41E-05	2.72E+04	1.00E-03
209	190	25.61	25612	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-04	5.10E-01	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-06	2.56E+04	4.68E-04
210	191	32.26	32255	8.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-04	2.01E-01	2.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-06	3.23E+04	2.54E-04
211	192	22.60	22603	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	6.73E-01	6.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.57E-05	2.26E+04	6.10E-04
212	193	45.59	45586	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	5.11E-01	5.11E-04	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.70E-05	4.56E+04	5.49E-04
213	194	50.00	50000	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	1.31E-01	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-06	4.24E+04	1.54E-04
214	195	22.60	22603	7.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-04	2.31E-01	2.31E-04	0.00E+00	0.00E+00	4.13E-08	0.00E+00	8.87E-06	2.42E+04	2.35E-04
215	196	25.99	25987	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-04	4.60E-01	4.60E-04	0.00E+00	0.00E+00	1.40E-04	0.00E+00	1.92E-05	2.60E+04	3.61E-04
216	197	30.74	30736	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	4.69E-01	4.69E-04	0.00E+00	0.00E+00	1.67E-13	0.00E+00	2.50E-05	3.07E+04	6.35E-04
217	198	50.00	50000	1.58E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	1.71E-01	1.71E-04	5.54E-06	0.00E+00	4.74E-17	0.00E+00	1.39E-06	5.00E+04	9.27E-03
218	199	18.38	18375	9.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-04	3.62E-01	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	1.84E+04	3.04E-04
219	200	37.50	37500	9.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-04	2.53E-01	2.53E-04	1.06E-06	0.00E+00	0.00E+00	0.00E+00	2.07E-06	[illegible]	[illegible]
220	201	32.79	32786	8.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-04	2.61E-01	2.61E-04	0.00E+00	0.00E+00	3.26E-05	0.00E+00	2.38E-06	[illegible]	[illegible]
221	202	36.24	36238	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	6.06E-02	6.06E-05	1.26E-08	0.00E+00	0.00E+00	0.00E+00	4.87E-07	[illegible]	[illegible]
222	203	50.00	50000	4.75E-03	0.00E+00	6.29E-07	0.00E+00	0.00E+00	4.40E-03	0.00E+00	0.00E+00	0.00E+00	2.34E-08	3.56E-10	2.94E-10	2.09E-10	0.00E+00	1.25E-04	1.62E-01	1.62E-04	0.00E+00	0.00E+00	4.51E-05	0.00E+00	1.48E-06	5.00E+04	[illegible]
223	204	40.92	40922	7.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	3.47E-01	3.47E-04	0.00E+00	0.00E+00	1.09E-06	0.00E+00	2.87E-06	4.09E+04	[illegible]
224	205	22.60	22603	9.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04	2.68E-01	2.68E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	1.37E-05	2.26E+04	3.01E-04
225	206	32.26	32256	5.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	1.98E-01	1.98E-04	4.09E-18	0.00E+00	0.00E+00	0.00E+00	3.63E-06	3.23E+04	1.73E-04
226	207	24.20	24197	1.30E-03	0.00E+00	2.58E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-13	9.39E-16	3.22E-19	2.28E-18	0.00E+00	9.26E-04	3.45E-01	3.45E-04	2.63E-08	0.00E+00	2.40E-06	0.00E+00	2.35E-05	2.39E+04	3.86E-04
227	208	19.92	19918	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	5.52E-01	5.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-05	1.99E+04	5.20E-04
228	209	27.58	27576	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-04	4.88E-01	4.88E-04	2.99E-18	0.00E+00	0.00E+00	0.00E+00	2.86E-05	2.76E+04	4.46E-04
229	210	32.26	32255	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-04	3.38E-01	3.38E-04	0.00E+00	0.00E+00	3.48E-05	0.00E+00	3.61E-06	3.23E+04	3.52E-04
230	211	27.58	27576	8.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	3.91E-01	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	2.76E+04	2.89E-04
231	212	50.00	50000	2.67E-02	0.00E+00	2.76E-09	0.00E+00	0.00E+00	2.64E-02	0.00E+00	0.00E+00	0.00E+00	1.03E-05	7.05E-14	5.55E-13	1.94E-12	0.00E+00	1.11E-04	1.67E-01	1.67E-04	4.62E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-06	5.00E+04	1.57E-02
232	213	18.58	18581	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	6.59E-01	6.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05	1.86E+04	5.13E-04
233	214	29.32	29319	2.17E-02	0.00E+00	2.28E-06	0.00E+00	0.00E+00	2.12E-02	0.00E+00	0.00E+00	0.00E+00	8.95E-06	3.69E-11	1.64E-10	7.76E-10	0.00E+00	2.83E-04	1.97E-01	1.97E-04	0.00E+00	0.00E+00	1.52E-08	0.00E+00	1.90E-06	2.93E+04	1.27E-02
234	215	22.31	22308	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-04	4.21E-01	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05	2.09E+04	3.98E-04
235	216	37.50	37500	1.10E-03	0.00E+00	2.21E-15	0.00E+00	0.00E+00	2.46E-07	0.00E+00	0.00E+00	0.00E+00	8.45E-15	6.88E-19	2.40E-19	4.42E-19	0.00E+00	7.97E-04	3.02E-01	3.02E-04	0.00E+00	0.00E+00	9.54E-07	0.00E+00	2.43E-06	2.42E+04	3.46E-04
236	217	40.92	40922	8.97E-04	0.00E+00	7.65E-11	0.00E+00	0.00E+00	4.24E-06	0.00E+00	0.00E+00	0.00E+00	2.87E-10	3.77E-14	3.21E-14	9.73E-14	0.00E+00	6.02E-04	2.78E-01	2.78E-04	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-05	3.95E+04	2.60E-04
237	218	39.51	39505	9.61E-04	0.00E+00	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-06	4.93E-11	5.01E-11	1.53E-10	0.00E+00	8.77E-04	2.42E-01	2.42E-04	0.00E+00	0.00E+00	3.73E-05	0.00E+00	2.80E-06	3.45E+04	3.13E-04
238	219	40.92	40922	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	1.59E-01	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-06	4.09E+04	1.07E-04
239	220	20.66	20659	5.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	1.54E-01	1.54E-04	2.64E-08	0.00E+00	5.17E-07	0.00E+00	5.09E-06	2.07E+04	1.53E-04
240	221	19.23	19226	9.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-04	3.43E-01	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05	1.92E+04	3.09E-04
241	222	35.63	35629	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-04	3.14E-01	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-06	3.07E+04	3.35E-04
242	223	25.99	25987	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-04	4.80E-01	4.80E-04	9.39E-08	0.00E+00	0.00E+00	0.00E+00	4.38E-06	2.60E+04	4.10E-04
243	224	34.45	34452	7.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-04	1.80E-01	1.80E-04	6.00E-15	0.00E+00	0.00E+00	0.00E+00	3.41E-06	3.45E+04	2.09E-04
244	225	25.99	25987	8.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-04	3.16E-01	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	2.60E+04	2.83E-04
245	226	32.79	32786	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-04	5.07E-01	5.07E-04	8.58E-08	0.00E+00	4.70E-05	0.00E+00	4.11E-06	2.42E+04	5.69E-04
246	227	30.74	30736	5.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04	1.62E-01	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-06	3.07E+04	1.74E-04
247	228	25.61	25612	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-04	4.92E-01	4.92E-04	1.33E-07	0.00E+00	0.00E+00	0.00E+00	6.92E-06	2.42E+04	3.63E-04
248	229	33.88	33884	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	5.68E-01	5.68E-04	1.17E-17	0.00E+00	2.82E-05	0.00E+00	1.09E-05	3.39E+04	5.48E-04
249	230	32.79	32786	7.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	2.52E-01	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-06	2.60E+04	2.45E-04
250	231	29.32	29319	8.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04	2.87E-01	2.87E-04	5.49E-06	0.00E+00	8.71E-06	0.00E+00	5.59E-06	2.93E+04	2.64E-04
251	232	33.88	33884	7.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.07E-04	3.48E-01	3.48E-04	0.00E+00	0.00E+00	1.05E-04	0.00E+00	1.25E-05	3.39E+04	2.74E-04
252	233	25.99	25987	8.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04	3.23E-01	3.23E-04	7.59E-08	0.00E+00	2.79E-08	0.00E+00	2.59E-06	2.60E+04	2.77E-04
253	234	37.50	37500	5.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	2.72E-01	2.72E-04	8.48E-07	0.00E+00	0.00E+00	0.00E+00	5.57E-06	3.76E+04	1.98E-04
254	235	29.32	29319	8.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-04	2.71E-01	2.71E-04	0.00E+00	0.00E+00	4.21E-08	0.00E+00	2.30E-06	2.26E+04	3.00E-04
255	236	36.24	36238	9.61E-04	0.00E+00	3.87E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-04	2.43E-01	2.43E-04	0.00E+00	0.00E+00	8.29E-05	0.00E+00	1.95E-06	2.93E+04	3.27E-04
256	237	24.20	24197	8.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-04	3.11E-01	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-06	2.42E+04	2.68E-04
257	238	33.88	33884	8.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04	2.19E-01	2.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-06	3.39E+04	2.02E-04
258	239	34.45	34452	2.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-03	6.80E-01	6.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-06	3.39E+04	7.95E-04
259	240	19.23	19226	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-04	4.68E-01	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05	1.92E+04	3.79E-04
260	241	25.99	25987	9.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	5.59E-01	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	2.60E+04	3.53E-04
261	242	45.59	45586	5.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04	1.66E-01	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-06	4.56E+04	1.76E-04
262	243	29.32	29319	8.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04	1.99E-01	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-06	2.93E+04	2.06E-04
263	244	20.92	20918	2.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	1.13E+00	1.13E-03	9.34E-08	0.00E+00	0.00E+00	0.00E+00	3.88E-05	2.09E+04	8.23E-04
264	245	50.00	50000	4.99E-02	0.00E+00	1.90E-12	0.00E+00	0.00E+00	4.92E-02	0.00E+00	0.00E+00	0.00E+00	7.04E-12	4.75E-15	3.72E-16	3.11E-15	0.00E+00	2.83E-04	4.03E-01	4.03E-04	0.00E+00	0.00E+00	4.40E-05	0.00E+00	3.28E-06	5.00E+04	2.84E-02
265	246	50.00	50000	4.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	2.42E-01	2.42E-04	0.00E+00	0.00E+00	1.36E-05	0.00E+00	1.97E-06	5.00E+04	2.30E-03
266	247	37.50	37500	4.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-05	1.37E-01	1.37E-04	8.72E-07	0.00E+00	0.00E+00	0.00E+00	1.10E-06	3.75E+04	2.73E-03
267	248	50.00	50000	4.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	1.27E-01	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-06	3.62E+04	1.36E-04
268	249	45.59	45586	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04	1.25E-01	1.25E-04	0.00E+00	0.00E+00	4.61E-12	0.00E+00	1.02E-06	4.56E+04	1.51E-04
269	250	50.00	50000	9.05E-03	0.00E+00	7.54E-08	0.00E+00	0.00E+00	8.67E-03	0.00E+00	0.00E+00	0.00E+00	2.80E-05	4.63E-11	5.47E-10	1.61E-09	0.00E+00	1.08E-04	2.27E-01	2.27E-04	6.13E-08	0.00E+00	3.76E-18	0.00E+00	1.65E-06	5.00E+04	5.29E-03

Base Case - Sorted by Tc dose, low to high 1 of 3

3/3/00 DBJ

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
1	Min		9.11	9107.20	1.090E-05	1.090E-02	9.198E-04	9.198E-07	9.107E+03	5.027E-06	0.12										
2	Max		50.00	50000.00	6.732E-02	6.732E+01	1.255E+00	1.255E-03	5.000E+04	3.968E-02	90.65										
3	Mean		32.91	32912.66	3.096E-03	3.096E+00	3.556E-01	3.556E-04	3.213E+04	1.576E-03	32.71										
4	Median		30.98	30983.50	1.028E-03	1.028E+00	3.103E-01	3.103E-04	3.026E+04	3.351E-04	33.76										
5	s.d.		9.30	9300.32	7.823E-03	7.823E+00	2.153E-01	2.153E-04	9.363E+03	4.659E-03	15.40										
6							Sorted by										Sorted by				
7	probability	vector	pktime	pktime	pktede	pktede	Tc99de	Tc99de	timedwpk	dmkh20	%pktede from Tc		vector	pktime	pktime	pktede	pktede	Tc99de	Tc99de	timedwpk	dmkh20
8	n/250	unitless	yr/1000	yr	rem/yr	mrem/yr	mrem/yr	rem/yr	yr	rem/yr			unitless	yr/1000	yr	rem/yr	mrem/yr	mrem/yr	rem/yr	yr	rem/yr
9	1.0000	20	50.00	50000	7.58E-04	7.58E-01	9.20E-04	9.20E-07	5.00E+04	4.48E-04	0.12		137	9.11	9107	1.09E-05	1.09E-02	9.88E-03	9.88E-06	9.11E+03	5.03E-06
10	0.9960	137	9.11	9107	1.09E-05	1.09E-02	9.88E-03	9.88E-06	9.11E+03	5.03E-06	90.65		39	50.00	50000	2.41E-05	2.41E-02	2.09E-02	2.09E-05	5.00E+04	1.06E-05
11	0.9920	45	25.99	25987	2.74E-05	2.74E-02	1.65E-02	1.65E-05	2.60E+04	1.05E-05	60.35		45	25.99	25987	2.74E-05	2.74E-02	1.65E-02	1.65E-05	2.60E+04	1.05E-05
12	0.9880	39	50.00	50000	2.41E-05	2.41E-02	2.09E-02	2.09E-05	5.00E+04	1.06E-05	86.92		139	50.00	50000	8.91E-05	8.91E-02	3.03E-02	3.03E-05	5.00E+04	4.79E-05
13	0.9840	139	50.00	50000	8.91E-05	8.91E-02	3.03E-02	3.03E-05	5.00E+04	4.79E-05	34.00		23	48.17	48173	1.11E-04	1.11E-01	6.49E-02	6.49E-05	4.73E+04	4.23E-05
14	0.9800	50	40.21	40205	2.07E-04	2.07E-01	5.96E-02	5.96E-05	3.95E+04	6.31E-05	28.79		168	45.59	45586	1.94E-04	1.94E-01	1.40E-01	1.40E-04	4.56E+04	8.03E-05
15	0.9760	202	36.24	36238	3.24E-04	3.24E-01	6.06E-02	6.06E-05	3.62E+04	8.93E-05	18.71		50	40.21	40205	2.07E-04	2.07E-01	5.96E-02	5.96E-05	3.95E+04	6.31E-05
16	0.9720	121	30.74	30736	2.49E-04	2.49E-01	6.14E-02	6.14E-05	3.07E+04	7.24E-05	24.68		63	36.24	36238	2.46E-04	2.46E-01	1.19E-01	1.19E-04	3.75E+04	8.96E-05
17	0.9680	23	48.17	48173	1.11E-04	1.11E-01	6.49E-02	6.49E-05	4.73E+04	4.23E-05	58.25		121	30.74	30736	2.49E-04	2.49E-01	6.14E-02	6.14E-05	3.07E+04	7.24E-05
18	0.9640	142	29.32	29319	3.00E-04	3.00E-01	9.71E-02	9.71E-05	2.93E+04	9.25E-05	32.32		6	32.79	32786	2.60E-04	2.60E-01	1.02E-01	1.02E-04	3.28E+04	8.86E-05
19	0.9600	104	43.96	43959	5.67E-03	5.67E+00	1.01E-01	1.01E-04	4.40E+04	3.31E-03	1.78		219	40.92	40922	2.88E-04	2.88E-01	1.59E-01	1.59E-04	4.09E+04	1.07E-04
20	0.9560	6	32.79	32786	2.60E-04	2.60E-01	1.02E-01	1.02E-04	3.28E+04	8.86E-05	39.43		142	29.32	29319	3.00E-04	3.00E-01	9.71E-02	9.71E-05	2.93E+04	9.25E-05
21	0.9520	52	50.00	50000	2.15E-03	2.15E+00	1.14E-01	1.14E-04	5.00E+04	1.23E-03	5.28		17	32.26	32255	3.05E-04	3.05E-01	1.33E-01	1.33E-04	3.23E+04	1.03E-04
22	0.9480	138	50.00	50000	5.28E-03	5.28E+00	1.15E-01	1.15E-04	5.00E+04	3.08E-03	2.17		202	36.24	36238	3.24E-04	3.24E-01	6.06E-02	6.06E-05	3.62E+04	8.93E-05
23	0.9440	63	36.24	36238	2.46E-04	2.46E-01	1.19E-01	1.19E-04	3.75E+04	8.96E-05	48.40		49	32.26	32255	3.43E-04	3.43E-01	1.32E-01	1.32E-04	3.23E+04	1.15E-04
24	0.9400	71	39.51	39505	7.22E-04	7.22E-01	1.21E-01	1.21E-04	3.95E+04	2.00E-04	16.77		47	24.20	24197	3.67E-04	3.67E-01	1.29E-01	1.29E-04	2.42E+04	1.21E-04
25	0.9360	11	50.00	50000	6.18E-03	6.18E+00	1.24E-01	1.24E-04	5.00E+04	3.61E-03	2.00		7	34.45	34452	3.83E-04	3.83E-01	1.51E-01	1.51E-04	3.39E+04	1.27E-04
26	0.9320	249	45.59	45586	5.21E-04	5.21E-01	1.25E-01	1.25E-04	4.56E+04	1.51E-04	24.04		48	37.50	37500	4.16E-04	4.16E-01	1.64E-01	1.64E-04	3.75E+04	1.37E-04
27	0.9280	248	50.00	50000	4.46E-04	4.46E-01	1.27E-01	1.27E-04	3.62E+04	1.36E-04	28.58		153	40.92	40922	4.21E-04	4.21E-01	1.56E-01	1.56E-04	3.28E+04	1.41E-04
28	0.9240	47	24.20	24197	3.67E-04	3.67E-01	1.29E-01	1.29E-04	2.42E+04	1.21E-04	35.24		248	50.00	50000	4.46E-04	4.46E-01	1.27E-01	1.27E-04	3.62E+04	1.36E-04
29	0.9200	194	50.00	50000	4.97E-04	4.97E-01	1.31E-01	1.31E-04	4.24E+04	1.54E-04	26.33		97	50.00	50000	4.57E-04	4.57E-01	2.18E-01	2.18E-04	5.00E+04	1.71E-04
30	0.9160	49	32.26	32255	3.43E-04	3.43E-01	1.32E-01	1.32E-04	3.23E+04	1.15E-04	38.48		148	38.82	38821	4.83E-04	4.83E-01	3.31E-01	3.31E-04	3.75E+04	1.98E-04
31	0.9120	158	50.00	50000	1.90E-02	1.90E+01	1.33E-01	1.33E-04	5.00E+04	1.12E-02	0.70		194	50.00	50000	4.97E-04	4.97E-01	1.31E-01	1.31E-04	4.24E+04	1.54E-04
32	0.9080	17	32.26	32255	3.05E-04	3.05E-01	1.33E-01	1.33E-04	3.23E+04	1.03E-04	43.72		176	40.92	40922	4.97E-04	4.97E-01	2.13E-01	2.13E-04	4.09E+04	1.75E-04
33	0.9040	247	37.50	37500	4.69E-03	4.69E+00	1.37E-01	1.37E-04	3.75E+04	2.73E-03	2.91		220	20.66	20659	5.01E-04	5.01E-01	1.54E-01	1.54E-04	2.07E+04	1.53E-04
34	0.9000	168	45.59	45586	1.94E-04	1.94E-01	1.40E-01	1.40E-04	4.56E+04	8.03E-05	72.37		145	34.45	34452	5.09E-04	5.09E-01	2.49E-01	2.49E-04	3.56E+04	1.79E-04
35	0.8960	186	50.00	50000	2.31E-02	2.31E+01	1.41E-01	1.41E-04	5.00E+04	1.36E-02	0.61		14	40.92	40922	5.12E-04	5.12E-01	2.03E-01	2.03E-04	4.09E+04	1.68E-04
36	0.8920	115	24.20	24197	6.66E-04	6.66E-01	1.42E-01	1.42E-04	5.00E+04	2.15E-04	21.29		249	45.59	45586	5.21E-04	5.21E-01	1.25E-01	1.25E-04	4.56E+04	1.51E-04
37	0.8880	123	30.74	30736	5.60E-04	5.60E-01	1.44E-01	1.44E-04	2.60E+04	1.81E-04	25.78		13	42.41	42405	5.34E-04	5.34E-01	3.04E-01	3.04E-04	4.24E+04	2.04E-04
38	0.8840	181	39.51	39505	6.41E-04	6.41E-01	1.46E-01	1.46E-04	2.26E+04	1.98E-04	22.77		206	32.26	32255	5.35E-04	5.35E-01	1.98E-01	1.98E-04	3.23E+04	1.73E-04
39	0.8800	7	34.45	34452	3.83E-04	3.83E-01	1.51E-01	1.51E-04	3.39E+04	1.27E-04	39.45		234	37.50	37500	5.55E-04	5.55E-01	2.72E-01	2.72E-04	3.75E+04	1.96E-04
40	0.8760	220	20.66	20659	5.01E-04	5.01E-01	1.54E-01	1.54E-04	2.07E+04	1.53E-04	30.66		180	31.74	31737	5.55E-04	5.55E-01	1.72E-01	1.72E-04	3.39E+04	1.74E-04
41	0.8720	153	40.92	40922	4.21E-04	4.21E-01	1.56E-01	1.56E-04	3.28E+04	1.41E-04	37.05		92	49.08	49076	5.58E-04	5.58E-01	2.31E-01	2.31E-04	4.91E+04	1.84E-04
42	0.8680	219	40.92	40922	2.88E-04	2.88E-01	1.59E-01	1.59E-04	4.09E+04	1.07E-04	55.31		123	30.74	30736	5.60E-04	5.60E-01	1.44E-01	1.44E-04	2.60E+04	1.81E-04
43	0.8640	227	30.74	30736	5.84E-04	5.84E-01	1.62E-01	1.62E-04	3.07E+04	1.74E-04	27.68		149	29.32	29319	5.68E-04	5.68E-01	2.05E-01	2.05E-04	2.93E+04	1.82E-04
44	0.8600	125	47.29	47291	1.09E-02	1.09E+01	1.62E-01	1.62E-04	4.73E+04	6.36E-03	1.49		134	24.20	24197	5.82E-04	5.82E-01	1.78E-01	1.78E-04	2.42E+04	1.77E-04
45	0.8560	91	50.00	50000	1.00E-03	1.00E+00	1.64E-01	1.64E-04	5.00E+04	5.27E-04	16.30		90	30.74	30736	5.84E-04	5.84E-01	3.52E-01	3.52E-04	3.07E+04	2.23E-04
46	0.8520	48	37.50	37500	4.16E-04	4.16E-01	1.64E-01	1.64E-04	3.75E+04	1.37E-04	39.49		227	30.74	30736	5.84E-04	5.84E-01	1.62E-01	1.62E-04	3.07E+04	1.74E-04
47	0.8480	122	42.41	42405	3.77E-02	3.77E+01	1.65E-01	1.65E-04	4.24E+04	2.23E-02	0.44		242	45.59	45586	5.84E-04	5.84E-01	1.66E-01	1.66E-04	4.56E+04	1.76E-04
48	0.8440	242	45.59	45586	5.84E-04	5.84E-01	1.66E-01	1.66E-04	4.56E+04	1.76E-04	28.39		84	39.51	39505	5.85E-04	5.85E-01	2.70E-01	2.70E-04	3.95E+04	2.05E-04
49	0.8400	35	25.61	25612	5.96E-04	5.96E-01	1.67E-01	1.67E-04	2.56E+04	1.88E-04	28.03		27	19.23	19226	5.86E-04	5.86E-01	2.30E-01	2.30E-04	1.92E+04	1.92E-04
50	0.8360	212	50.00	50000	2.67E-02	2.67E+01	1.67E-01	1.67E-04	5.00E+04	1.57E-02	0.63		185	25.61	25612	5.92E-04	5.92E-01	2.72E-01	2.72E-04	2.42E+04	2.09E-04
51	0.8320	86	32.79	32786	9.02E-04	9.02E-01	1.70E-01	1.70E-04	3.28E+04	2.52E-04	18.80		35	25.61	25612	5.96E-04	5.96E-01	1.67E-01	1.67E-04	2.56E+04	1.88E-04
52	0.8280	198	50.00	50000	1.58E-02	1.58E+01	1.71E-01	1.71E-04	5.00E+04	9.27E-03	1.08		25	50.00	50000	5.96E-04	5.96E-01	3.17E-01	3.17E-04	4.82E+04	2.28E-04
53	0.8240	51	30.74	30736	6.35E-04	6.35E-01	1.71E-01	1.71E-04	3.07E+04	1.94E-04	26.90		124	24.20	24197	6.06E-04	6.06E-01	2.69E-01	2.69E-04	2.42E+04	2.07E-04
54	0.8200	180	31.74	31737	5.55E-04	5.55E-01	1.72E-01	1.72E-04	3.39E+04	1.74E-04	31.02		135	30.74	30736	6.15E-04	6.15E-01	1.96E-01	1.96E-04	3.07E+04	1.93E-04
55	0.8160	18	50.00	50000	2.08E-02	2.08E+01	1.74E-01	1.74E-04	5.00E+04	1.22E-02	0.83		144	35.63	35629	6.18E-04	6.18E-01	2.14E-01	2.14E-04	3.45E+04	1.96E-04
56	0.8120	57	34.45	34452	7.53E-04	7.53E-01	1.76E-01	1.76E-04	3.45E+04	2.16E-04	23.36		51	30.74	30736	6.35E-04	6.35E-01	1.71E-01	1.71E-04	3.07E+04	1.94E-04
57	0.8080	134	24.20	24197	5.82E-04	5.82E-01	1.78E-01	1.78E-04	2.42E+04	1.77E-04	30.57		187	29.32	29319	6.40E-04	6.40E-01	2.35E-01	2.35E-04	2.93E+04	2.05E-04
58	0.8040	224	34.45	34452	7.14E-04	7.14E-01	1.80E-01	1.80E-04	3.45E+04	2.09E-04	25.26		238	33.88	33884	6.40E-04	6.40E-01	2.19E-01	2.19E-04	3.39E+04	2.02E-04
59	0.8000	203	50.00	50000	4.75E-03	4.75E+00	1.82E-01	1.82E-04	5.00E+04	2.74E-03	3.62		181	39.51	39505	6.41E-04	6.41E-01	1.46E-01	1.46E-04	2.26E+04	1.98E-04
60	0.7960	165	33.88	33884	7.12E-04	7.12E-01	1.83E-01	1.83E-04	3.39E+04	2.11E-04	25.74		55	43.96	43959	6.51E-04	6.51E-01	3.90E-01	3.90E-04	4.32E+04	2.50E-04
61	0.7920	94	43.96	43959	7.44E-04	7.44E-01	1.95E-01	1.95E-04	3.56E+04	2.39E-04	26.16		132	40.92	40922	6.56E-04	6.56E-01	2.33E-01	2.33E-04	4.09E+04	2.18E-04
62	0.7880	135	30.74	30736	6.15E-04	6.15E-01	1.96E-01	1.96E-04	3.07E+04	1.93E-04	31.95		155	40.92	40922	6.62E-04	6.62E-01	5.16E-01	5.16E-04	4.09E+04	2.82E-04
63	0.7840	214	29.32	29319	2.17E-02	2.17E+01	1.97E-01	1.97E-04	2.93E+04	1.27E-02	0.91		58	29.32	29319	6.64E-04	6.64E-01	2.64E-01	2.64E-04	2.89E+04	2.20E-04
64	0.7800	206	32.26	32255	5.35E-04	5.35E-01	1.98E-01	1.98E-04	3.23E+04	1.73E-04	37.10		115	24.20	24197	6.66E-04	6.66E-01	1.42E-01	1.42E-04	5.00E+04	2.15E-04
65	0.7760	1	34.45	34452	6.72E-04	6.72E-01	1.98E-01	1.98E-04	3.45E+04	2.03E-04	29.52		1	34.45	34452	6.72E-04	6.72E-01	1.98E-01	1.98E-04	3.45E+04	2.03E-04
66	0.7720	243	29.32	29319	6.79E-04	6.79E-01	1.99E-01	1.99E-04	2.93E+04	2.06E-04	29.38		129	34.45	34452	6.76E-04	6.76E-01	2.79E-01	2.79E-04	2.93E+04	2.45E-04
67	0.7680	41	37.50	37500	3.86E-03	3.86E+00	2.00E-01	2.00E-04	3.75E+04	2.18E-03	5.18		243	29.32	29319	6.79E-04	6.79E-01	1.99E-01	1.99E-04	2.93E+04	2.06E-04
68	0.7640	191	32.26	32255	8.90E-04	8.90E-01	2.01E-01	2.01E-04	3.23E+04	2.54E-04	22.61		177	31.23	31231	6.97E-04	6.97E-01	2.82E-01	2.82E-04	3.07E+04	2.32E-04
69	0.7600	14	40.92	40922	5.12E-04	5.12E-01	2.03E-01	2.03E-04	4.09E+04	1.68E-04	39.65		67	32.79	32786	7.09E-04	7.09E-01	2.30E-01	2.30E-04	3.28E+04	2.30E-04
70	0.7560	149	29.32	29319	5.68E-04	5.68E-01	2.05E-01	2.05E-04	2.93E+04	1.82E-04	36.01		165	33.88	33884	7.12E-04	7.12E-01	1.83E-01	1.83E-04	3.39E+04	2.11E-04
71	0.7520	176	40.92	40922	4.97E-04	4.97E-01	2.13E-01	2.13E-04	4.09E+04	1.75E-04	42.86		163	27.58	27576	7.13E-04	7.13E-01	2.21E-01	2.21E-04	2.76E+04	2.19E-04
72	0.7480	144	35.63	35629	6.18E-04	6.18E-01	2.14E-01	2.14E-04	3.45E+04	1.96E-04	34.54		224	34.45	34452	7.14E-04	7.14E-01	1.80E-01	1.80E-04	3.45E+04	2.09E-04
73	0.7440	171	47.29	47291	1.05E-03	1.05E+00	2.14E-01	2.14E-04	4.73E+04	2.94E-04	20.40		71	39.51	39505	7.22E-04	7.22E-01	1.21E-01	1.21E-04	3.95E+04	2.00E-04
74	0.7400	29	42.41	42405	9.96E-04	9.96E-01	2.15E-01	2.15E-04	4.24E+04	2.82E-04	21.63		117	27.58	27576	7.25E-04	7.25E-01	2.47E-01	2.47E-04	2.76E+04	2.28E-04
75	0.7360	97	50.00	50000	4.57E-04	4.57E-01	2.18E-01	2.18E-04	5.00E+04	1.71E-04	47.79		175	25.99	25987	7.27E-04	7.27E-01	3.09E-01	3.09E-04	2.60E+04	2.44E-04
76	0.7320	88	27.58	27576	4.02E-02	4.02E+01	2.19E-01	2.19E-04	2.76E+04	2.37E-02	0.54		195	22.60	22603	7.30E-04	7.30E-01	2.31E-01	2.31E-04	2.42E+04	2.35E-04
77	0.7280	238	33.88	33884	6.40E-04	6.40E-01	2.19E-01	2.19E-04	3.39E+04	2.02E-04	34.21		204	40.92	40922	7.32E-04	7.32E-01	3.47E-01	3.47E-04	4.09E+04	2.56E-04
78	0.7240	163	27.58	27576	7.13E-04	7.13E-01	2.21E-01	2.21E-04	2.76E+04	2.19E-04	31.00		82	27.17	27165	7.34E-04	7.34E-01	2.27E-01	2.27E-04	3.23E+04	2.40E-04
79	0.7200	173	30.74	30736	8.26E-04	8.26E-01	2.25E-01	2.25E-04	3.07E+04	2.46E-04	27.24		94	43.96	43959	7.44E-04	7.44E-01	1.95E-01	1.95E-04	3.56E+04	2.39E-04
80	0.7160	250	50.00	50000	9.05E-03	9.05E+00	2.27E-01	2.27E-04	5.00E+04	5.29E-03	2.51		230	32.79	32786	7.44E-04	7.44E-01	2.52E-01	2.52E-04	2.60E+04	2.45E-04
81	0.7120	82	27.17	27165	7.34E-04	7.34E-01	2.27E-01	2.27E-04	3.23E+04	2.40E-04	30.96		18	50.00	50000	7.47E-04	7.47E-01	3.35E-01	3.35E-04	5.00E+04	2.56E-04
82	0.7080	67	32.79	32786	7.09E-04	7.09E-01	2.30E-01	2.30E-04	3.28E+04	2.30E-04	32.48		169	38.82	38821	7.50E-04	7.50E-01	2.40E-01	2.40E-04	3.88E+04	2.31E-04
83	0.7040	27	19.23	19226	5.86E-04	5.86E-01	2.30E-01	2.30E-04	1.92E+04	1.92E-04	39.30		57	34.45	34452	7.53E-04	7.53E-01	1.76E-01	1.76E-04	3.45E+04	2.16E-04
84	0.7000	92	49.08	49076	5.58E-04	5.58E-01	2.31E-01	2.31E-04	4.91E+04	1.84E-04	41.35		43	22.60	22603	7.53E-04	7.53E-01	2.62E-01	2.62E-04	2.26E+04	2.38E-04
85	0.6960	195	22.60	22603	7.30E-04	7.30E-01	2.31E-01	2.31E-04	2.42E+04	2.35E-04	31.68		20	50.00	50000	7.58E-04	7.58E-01	9.20E-04	9.20E-07	5.00E+04	4.48E-04
86	0.6920	132	40.92	40922	6.56E-04	6.56E-01	2.33E-01	2.33E-04	4.09E+04	2.18E-04	35.48		106	37.50	37500	7.69E-04	7.69E-01	2.65E-01	2.65E-04	3.62E+04	2.55E-04
87	0.6880	187	29.32	29319	6.40E-04	6.40E-01	2.35E-01	2.35E-04	2.93E+04	2.05E-04	36.65		232	33.88	33884	7.72E-04	7.72E-01	3.48E-01	3.48E-04	3.39E+04	2.78E-04

DBJ

Base Case - Sorted 2 of 3

3/3/00 DBJ

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
88	0.6840	113	32.26	32255	7.72E-04	7.72E-01	2.35E-01	2.35E-04	3.23E+04	2.34E-04	30.41		113	32.26	32255	7.72E-04	7.72E-01	2.35E-01	2.35E-04	3.23E+04	2.34E-04
89	0.6800	164	33.88	33884	8.38E-04	8.38E-01	2.39E-01	2.39E-04	3.39E+04	2.51E-04	28.54		102	29.32	29319	7.90E-04	7.90E-01	3.98E-01	3.98E-04	2.93E+04	2.82E-04
90	0.6760	169	38.82	38821	7.50E-04	7.50E-01	2.40E-01	2.40E-04	3.88E+04	2.31E-04	32.02		77	29.32	29319	8.02E-04	8.02E-01	3.35E-01	3.35E-04	2.93E+04	2.67E-04
91	0.6720	246	50.00	50000	4.20E-03	4.20E+00	2.42E-01	2.42E-04	5.00E+04	2.39E-03	5.76		69	37.50	37500	8.03E-04	8.03E-01	3.02E-01	3.02E-04	3.75E+04	2.59E-04
92	0.6680	218	39.51	39505	9.61E-04	9.61E-01	2.42E-01	2.42E-04	3.45E+04	3.13E-04	25.20		112	27.58	27576	8.16E-04	8.16E-01	2.79E-01	2.79E-04	2.76E+04	2.55E-04
93	0.6640	236	36.24	36238	9.51E-04	9.51E-01	2.43E-01	2.43E-04	2.93E+04	3.27E-04	25.52		150	27.58	27576	8.17E-04	8.17E-01	2.49E-01	2.49E-04	2.76E+04	2.50E-04
94	0.6600	117	27.58	27576	7.25E-04	7.25E-01	2.47E-01	2.47E-04	2.76E+04	2.28E-04	34.05		183	20.92	20918	8.24E-04	8.24E-01	4.01E-01	4.01E-04	2.09E+04	2.90E-04
95	0.6560	150	27.58	27576	8.17E-04	8.17E-01	2.49E-01	2.49E-04	2.76E+04	2.50E-04	30.53		173	30.74	30736	8.26E-04	8.26E-01	2.25E-01	2.25E-04	3.07E+04	2.46E-04
96	0.6520	145	34.45	34452	5.09E-04	5.09E-01	2.49E-01	2.49E-04	3.56E+04	1.79E-04	49.02		237	24.20	24197	8.27E-04	8.27E-01	3.11E-01	3.11E-04	2.42E+04	2.68E-04
97	0.6480	230	32.79	32786	7.44E-04	7.44E-01	2.52E-01	2.52E-04	2.60E+04	2.45E-04	33.84		231	29.32	29319	8.34E-04	8.34E-01	2.87E-01	2.87E-04	2.93E+04	2.64E-04
98	0.6440	105	50.00	50000	1.94E-02	1.94E+01	2.53E-01	2.53E-04	5.00E+04	1.14E-02	1.30		211	27.58	27576	8.35E-04	8.35E-01	3.91E-01	3.91E-04	2.76E+04	2.89E-04
99	0.6400	111	35.63	35629	1.63E-03	1.63E+00	2.53E-01	2.53E-04	3.56E+04	5.14E-04	15.56		59	29.32	29319	8.38E-04	8.38E-01	3.64E-01	3.64E-04	2.93E+04	2.83E-04
100	0.6360	200	37.50	37500	9.31E-04	9.31E-01	2.53E-01	2.53E-04	2.56E+04	3.47E-04	27.22		164	33.88	33884	8.38E-04	8.38E-01	2.39E-01	2.39E-04	3.39E+04	2.51E-04
101	0.6320	188	45.59	45586	1.81E-03	1.81E+00	2.56E-01	2.56E-04	4.56E+04	5.44E-04	14.16		235	29.32	29319	8.44E-04	8.44E-01	2.71E-01	2.71E-04	2.26E+04	3.00E-04
102	0.6280	3	42.41	42405	1.76E-02	1.76E+01	2.60E-01	2.60E-04	4.24E+04	1.03E-02	1.48		101	22.60	22603	8.48E-04	8.48E-01	4.32E-01	4.32E-04	2.26E+04	3.10E-04
103	0.6240	201	32.79	32786	8.75E-04	8.75E-01	2.61E-01	2.61E-04	2.56E+04	2.80E-04	29.80		233	25.99	25987	8.48E-04	8.48E-01	3.23E-01	3.23E-04	2.60E+04	2.77E-04
104	0.6200	43	22.60	22603	7.53E-04	7.53E-01	2.62E-01	2.62E-04	2.26E+04	2.38E-04	34.81		201	32.79	32786	8.75E-04	8.75E-01	2.61E-01	2.61E-04	2.56E+04	2.80E-04
105	0.6160	136	30.74	30736	1.10E-03	1.10E+00	2.63E-01	2.63E-04	3.07E+04	3.18E-04	23.85		68	42.41	42405	8.89E-04	8.89E-01	2.93E-01	2.93E-04	4.24E+04	2.78E-04
106	0.6120	58	29.32	29319	6.64E-04	6.64E-01	2.64E-01	2.64E-04	2.89E+04	2.20E-04	39.77		225	25.99	25987	8.89E-04	8.89E-01	3.18E-01	3.18E-04	2.60E+04	2.83E-04
107	0.6080	106	37.50	37500	7.69E-04	7.69E-01	2.65E-01	2.65E-04	3.62E+04	2.55E-04	34.41		191	32.26	32255	8.90E-04	8.90E-01	2.01E-01	2.01E-04	3.23E+04	2.54E-04
108	0.6040	73	16.89	16893	9.98E-04	9.98E-01	2.66E-01	2.66E-04	1.69E+04	2.93E-04	26.61		80	25.99	25987	8.95E-04	8.95E-01	2.90E-01	2.90E-04	2.60E+04	2.78E-04
109	0.6000	205	22.60	22603	9.63E-04	9.63E-01	2.68E-01	2.68E-04	2.26E+04	3.01E-04	27.80		217	40.92	40922	8.97E-04	8.97E-01	2.78E-01	2.78E-04	3.95E+04	2.80E-04
110	0.5960	124	24.20	24197	6.06E-04	6.06E-01	2.69E-01	2.69E-04	2.42E+04	2.07E-04	44.46		86	32.79	32786	9.02E-04	9.02E-01	1.70E-01	1.70E-04	3.28E+04	2.52E-04
111	0.5920	84	39.51	39505	5.85E-04	5.85E-01	2.70E-01	2.70E-04	3.95E+04	2.05E-04	46.14		4	25.61	25612	9.06E-04	9.06E-01	3.74E-01	3.74E-04	2.56E+04	3.01E-04
112	0.5880	235	29.32	29319	8.44E-04	8.44E-01	2.71E-01	2.71E-04	2.26E+04	3.00E-04	32.04		32	35.63	35629	9.16E-04	9.16E-01	4.28E-01	4.28E-04	3.56E+04	3.18E-04
113	0.5840	159	43.17	43173	2.07E-02	2.07E+01	2.71E-01	2.71E-04	4.32E+04	1.22E-02	1.31		241	25.99	25987	9.26E-04	9.26E-01	5.59E-01	5.59E-04	2.60E+04	3.53E-04
114	0.5800	234	37.50	37500	5.55E-04	5.55E-01	2.72E-01	2.72E-04	3.75E+04	1.96E-04	48.95		200	37.50	37500	9.31E-04	9.31E-01	2.53E-01	2.53E-04	2.56E+04	3.47E-04
115	0.5760	185	25.61	25612	5.92E-04	5.92E-01	2.72E-01	2.72E-04	2.42E+04	2.09E-04	45.98		199	18.38	18375	9.33E-04	9.33E-01	3.62E-01	3.62E-04	1.84E+04	3.04E-04
116	0.5720	74	28.87	28868	1.51E-03	1.51E+00	2.75E-01	2.75E-04	2.89E+04	4.34E-04	18.26		21	27.58	27576	9.35E-04	9.35E-01	4.51E-01	4.51E-04	2.76E+04	3.27E-04
117	0.5680	217	40.92	40922	8.97E-04	8.97E-01	2.78E-01	2.78E-04	3.95E+04	2.80E-04	31.05		56	32.26	32255	9.38E-04	9.38E-01	3.76E-01	3.76E-04	3.23E+04	3.09E-04
118	0.5640	112	27.58	27576	8.16E-04	8.16E-01	2.79E-01	2.79E-04	2.76E+04	2.55E-04	34.13		179	29.78	29780	9.47E-04	9.47E-01	2.79E-01	2.79E-04	2.98E+04	2.85E-04
119	0.5600	179	29.78	29780	9.47E-04	9.47E-01	2.79E-01	2.79E-04	2.98E+04	2.85E-04	29.47		62	22.60	22603	9.48E-04	9.48E-01	3.75E-01	3.75E-04	2.26E+04	3.10E-04
120	0.5560	129	34.45	34452	6.76E-04	6.76E-01	2.79E-01	2.79E-04	2.93E+04	2.45E-04	41.29		236	36.24	36238	9.51E-04	9.51E-01	2.43E-01	2.43E-04	2.93E+04	3.27E-04
121	0.5520	19	27.17	27165	9.83E-04	9.83E-01	2.80E-01	2.80E-04	2.72E+04	2.96E-04	28.51		107	32.79	32786	9.51E-04	9.51E-01	3.41E-01	3.41E-04	3.28E+04	3.03E-04
122	0.5480	177	31.23	31231	6.97E-04	6.97E-01	2.82E-01	2.82E-04	3.07E+04	2.32E-04	40.42		167	35.63	35629	9.60E-04	9.60E-01	3.20E-01	3.20E-04	3.56E+04	3.09E-04
123	0.5440	26	30.74	30736	1.10E-03	1.10E+00	2.83E-01	2.83E-04	3.23E+04	3.40E-04	25.76		218	39.51	39505	9.61E-04	9.61E-01	2.42E-01	2.42E-04	3.45E+04	3.13E-04
124	0.5400	231	29.32	29319	8.34E-04	8.34E-01	2.87E-01	2.87E-04	2.93E+04	2.64E-04	34.40		205	22.60	22603	9.63E-04	9.63E-01	2.68E-01	2.68E-04	2.26E+04	3.01E-04
125	0.5360	80	25.99	25987	8.95E-04	8.95E-01	2.90E-01	2.90E-04	2.60E+04	2.78E-04	32.41		221	19.23	19226	9.81E-04	9.81E-01	3.43E-01	3.43E-04	1.92E+04	3.09E-04
126	0.5320	68	42.41	42405	8.89E-04	8.89E-01	2.93E-01	2.93E-04	4.24E+04	2.78E-04	32.96		19	27.17	27165	9.83E-04	9.83E-01	2.80E-01	2.80E-04	2.72E+04	2.96E-04
127	0.5280	216	37.50	37500	1.10E-03	1.10E+00	3.02E-01	3.02E-04	2.42E+04	3.46E-04	27.38		70	38.82	38821	9.87E-04	9.87E-01	4.13E-01	4.13E-04	3.88E+04	3.29E-04
128	0.5240	69	37.50	37500	8.03E-04	8.03E-01	3.02E-01	3.02E-04	3.75E+04	2.59E-04	37.61		29	42.41	42405	9.96E-04	9.96E-01	2.15E-01	2.15E-04	4.24E+04	2.82E-04
129	0.5200	13	42.41	42405	5.34E-04	5.34E-01	3.04E-01	3.04E-04	4.24E+04	2.04E-04	57.05		73	16.89	16893	9.98E-04	9.98E-01	2.66E-01	2.66E-04	1.69E+04	2.93E-04
130	0.5160	83	50.00	50000	2.42E-02	2.42E+01	3.07E-01	3.07E-04	5.00E+04	1.42E-02	1.27		96	37.50	37500	1.00E-03	1.00E+00	3.15E-01	3.15E-04	3.75E+04	3.06E-04
131	0.5120	65	40.92	40922	1.25E-02	1.25E+01	3.07E-01	3.07E-04	4.09E+04	7.28E-03	2.46		91	50.00	50000	1.00E-03	1.00E+00	1.64E-01	1.64E-04	5.00E+04	5.27E-04
132	0.5080	175	25.99	25987	7.27E-04	7.27E-01	3.09E-01	3.09E-04	2.60E+04	2.44E-04	42.55		10	25.61	25612	1.02E-03	1.02E+00	3.91E-01	3.91E-04	2.42E+04	3.35E-04
133	0.5040	8	27.58	27576	1.06E-03	1.06E+00	3.09E-01	3.09E-04	2.76E+04	3.23E-04	29.28		44	28.87	28868	1.03E-03	1.03E+00	3.68E-01	3.68E-04	2.89E+04	3.26E-04
134	0.5000	237	24.20	24197	8.27E-04	8.27E-01	3.11E-01	3.11E-04	2.42E+04	2.68E-04	37.61		228	25.61	25612	1.03E-03	1.03E+00	4.92E-01	4.92E-04	2.42E+04	3.63E-04
135	0.4960	222	35.63	35629	1.09E-03	1.09E+00	3.14E-01	3.14E-04	3.07E+04	3.35E-04	28.81		22	21.18	21183	1.04E-03	1.04E+00	3.34E-01	3.34E-04	2.12E+04	3.19E-04
136	0.4920	96	37.50	37500	1.00E-03	1.00E+00	3.15E-01	3.15E-04	3.75E+04	3.06E-04	31.50		171	47.29	47291	1.05E-03	1.05E+00	2.14E-01	2.14E-04	4.73E+04	2.94E-04
137	0.4880	25	50.00	50000	5.96E-04	5.96E-01	3.17E-01	3.17E-04	4.82E+04	2.28E-04	53.18		8	27.58	27576	1.06E-03	1.06E+00	3.09E-01	3.09E-04	2.76E+04	3.23E-04
138	0.4840	225	25.99	25987	8.89E-04	8.89E-01	3.18E-01	3.18E-04	2.60E+04	2.83E-04	35.70		196	25.99	25987	1.08E-03	1.08E+00	4.60E-01	4.60E-04	2.60E+04	3.81E-04
139	0.4800	126	45.59	45586	1.27E-03	1.27E+00	3.18E-01	3.18E-04	4.56E+04	3.92E-04	25.03		222	35.63	35629	1.09E-03	1.09E+00	3.14E-01	3.14E-04	3.07E+04	3.35E-04
140	0.4760	167	35.63	35629	9.60E-04	9.60E-01	3.20E-01	3.20E-04	3.56E+04	3.09E-04	33.29		99	24.20	24197	1.09E-03	1.09E+00	5.11E-01	5.11E-04	2.42E+04	3.78E-04
141	0.4720	127	43.96	43959	1.16E-03	1.16E+00	3.22E-01	3.22E-04	4.40E+04	3.47E-04	27.84		26	30.74	30736	1.10E-03	1.10E+00	2.83E-01	2.83E-04	3.23E+04	3.40E-04
142	0.4680	233	25.99	25987	8.48E-04	8.48E-01	3.23E-01	3.23E-04	2.60E+04	2.77E-04	38.15		136	30.74	30736	1.10E-03	1.10E+00	2.63E-01	2.63E-04	3.07E+04	3.18E-04
143	0.4640	148	38.82	38821	4.83E-04	4.83E-01	3.31E-01	3.31E-04	3.75E+04	1.98E-04	68.66		216	37.50	37500	1.10E-03	1.10E+00	3.02E-01	3.02E-04	2.42E+04	3.46E-04
144	0.4600	64	32.79	32786	1.39E-03	1.39E+00	3.32E-01	3.32E-04	2.56E+04	4.25E-04	23.90		89	24.20	24197	1.11E-03	1.11E+00	3.75E-01	3.75E-04	2.42E+04	3.68E-04
145	0.4560	85	42.41	42405	1.27E-03	1.27E+00	3.33E-01	3.33E-04	3.56E+04	4.09E-04	26.29		46	20.92	20918	1.12E-03	1.12E+00	4.21E-01	4.21E-04	2.09E+04	3.62E-04
146	0.4520	22	21.18	21183	1.04E-03	1.04E+00	3.34E-01	3.34E-04	2.12E+04	3.19E-04	32.22		54	34.45	34452	1.14E-03	1.14E+00	5.96E-01	5.96E-04	3.45E+04	4.10E-04
147	0.4480	77	29.32	29319	8.02E-04	8.02E-01	3.35E-01	3.35E-04	2.93E+04	2.67E-04	41.72		210	32.26	32255	1.14E-03	1.14E+00	3.38E-01	3.38E-04	3.23E+04	3.52E-04
148	0.4440	18	50.00	50000	7.47E-04	7.47E-01	3.35E-01	3.35E-04	5.00E+04	2.56E-04	44.79		240	19.23	19226	1.14E-03	1.14E+00	4.68E-01	4.68E-04	1.92E+04	3.79E-04
149	0.4400	178	27.58	27576	1.26E-03	1.26E+00	3.38E-01	3.38E-04	2.76E+04	3.74E-04	26.80		38	22.31	22306	1.14E-03	1.14E+00	6.03E-01	6.03E-04	2.23E+04	4.14E-04
150	0.4360	210	32.26	32255	1.14E-03	1.14E+00	3.38E-01	3.38E-04	3.23E+04	3.52E-04	29.62		36	19.23	19226	1.15E-03	1.15E+00	4.68E-01	4.68E-04	1.92E+04	3.80E-04
151	0.4320	110	37.50	37500	1.15E-03	1.15E+00	3.39E-01	3.39E-04	2.76E+04	3.95E-04	29.48		110	37.50	37500	1.15E-03	1.15E+00	3.39E-01	3.39E-04	2.76E+04	3.95E-04
152	0.4280	107	32.79	32786	9.51E-04	9.51E-01	3.41E-01	3.41E-04	3.28E+04	3.03E-04	35.83		127	43.96	43959	1.16E-03	1.16E+00	3.22E-01	3.22E-04	4.40E+04	3.47E-04
153	0.4240	221	19.23	19226	9.81E-04	9.81E-01	3.43E-01	3.43E-04	1.92E+04	3.09E-04	34.92		40	19.23	19226	1.17E-03	1.17E+00	4.16E-01	4.16E-04	1.92E+04	3.72E-04
154	0.4200	207	24.20	24197	1.30E-03	1.30E+00	3.45E-01	3.45E-04	2.39E+04	3.86E-04	26.58		98	19.45	19451	1.18E-03	1.18E+00	4.08E-01	4.08E-04	1.95E+04	3.84E-04
155	0.4160	204	40.92	40922	7.32E-04	7.32E-01	3.47E-01	3.47E-04	4.09E+04	2.56E-04	47.41		161	25.99	25987	1.21E-03	1.21E+00	6.35E-01	6.35E-04	2.60E+04	4.37E-04
156	0.4120	232	33.88	33884	7.72E-04	7.72E-01	3.48E-01	3.48E-04	3.39E+04	2.78E-04	45.07		95	29.32	29319	1.22E-03	1.22E+00	5.65E-01	5.65E-04	2.93E+04	4.20E-04
157	0.4080	90	30.74	30736	5.84E-04	5.84E-01	3.52E-01	3.52E-04	3.07E+04	2.23E-04	60.38		60	22.60	22603	1.23E-03	1.23E+00	5.20E-01	5.20E-04	2.26E+04	4.11E-04
158	0.4040	79	50.00	50000	6.73E-02	6.73E+01	3.54E-01	3.54E-04	5.00E+04	3.97E-02	0.53		15	22.60	22603	1.23E-03	1.23E+00	4.44E-01	4.44E-04	2.26E+04	3.93E-04
159	0.4000	154	36.24	36238	3.25E-03	3.25E+00	3.56E-01	3.56E-04	5.00E+04	1.81E-03	10.94		215	22.31	22306	1.24E-03	1.24E+00	4.21E-01	4.21E-04	2.09E+04	3.98E-04
160	0.3960	100	20.41	20406	1.33E-03	1.33E+00	3.56E-01	3.56E-04	2.04E+04	4.07E-04	26.85		223	25.99	25987	1.26E-03	1.26E+00	4.80E-01	4.80E-04	2.60E+04	4.10E-04
161	0.3920	199	18.38	18375	9.33E-04	9.33E-01	3.62E-01	3.62E-04	1.84E+04	3.04E-04	38.78		42	16.40	16404	1.26E-03	1.26E+00	4.19E-01	4.19E-04	1.62E+04	4.04E-04
162	0.3880	59	29.32	29319	8.38E-04	8.38E-01	3.64E-01	3.64E-04	2.93E+04	2.83E-04	43.51		178	27.58	27576	1.26E-03	1.26E+00	3.38E-01	3.38E-04	2.76E+04	3.74E-04
163	0.3840	44	28.87	28868	1.03E-03	1.03E+00	3.68E-01	3.68E-04	2.89E+04	3.26E-04	35.89		61	22.60	22603	1.26E-03	1.26E+00	5.24E-01	5.24E-04	2.26E+04	4.20E-04
164	0.3800	146	32.26	32255	1.39E-03	1.39E+00	3.69E-01	3.69E-04	3.23E+04	4.08E-04	26.61		108	18.18	18175	1.27E-03	1.27E+00	4.82E-01	4.82E-04	2.09E+04	4.37E-04
165	0.3760	4	25.61	25612	9.06E-04	9.06E-01	3.74E-01	3.74E-04	2.56E+04	3.01E-04	41.28		85	42.41	42405	1.27E-03	1.27E+00	3.33E-01	3.33E-04	3.56E+04	4.09E-04
166	0.3720	182	32.79	32786	1.38E-03	1.38E+00	3.74E-01	3.74E-04	2.09E+04	4.34E-04	27.18		109	32.26	32255	1.27E-03	1.27E+00	5.11E-01	5.11E-04	3.23E+04	4.20E-04
167	0.3680	62	22.60	22603	9.48E-04	9.48E-01	3.75E-01	3.75E-04	2.26E+04	3.10E-04	39.54		184	32.79	32786	1.27E-03	1.27E+00	5.13E-01	5.13E-04	3.28E+04	4.19E-04
168	0.3640	89	24.20	24197	1.11E-03	1.11E+00	3.75E-01	3.75E-04	2.42E+04	3.68E-04	33.72		126	45.59	45586	1.27E-03	1.27E+00	3.18E-01	3.18E-04	4.56E+04	3.92E-04
169	0.3600	56	32.26	32255	9.38E-04	9.38E-01	3.76E-01	3.76E-04	3.23E+04	3.09E-04	40.12		172	24.20	24197	1.30E-03	1.30E+00	4.42E-01	4.42E-04	2.26E+04	4.26E-04
170	0.3560	34	50.00	50000	2.33E-02	2.33E+01	3.86E-01	3.86E-04	5.00E+04	1.36E-02	1.66		207	24.20	24197	1.30E-03	1.30E+00	3.45E-01	3.45E-04	2.39E+04	3.86E-04
171	0.3520	55	43.96	43959	6.51E-04	6.51E-01	3.90E-01	3.90E-04	4.32E+04	2.50E-04	59.91		131	20.92	20918	1.30E-03	1.30E+00	5.02E-01	5.02E-04	2.23E+04	4.34E-04
172	0.3480	211	27.58	27576	8.35E-04	8.35E-01	3.91E-01	3.91E-04	2.76E+04	2.89E-04	46.78		166	28.87	28868	1.31E-03	1.31E+00	6.61E-01	6.61E-04	2.76E+04	4.93E-04
173	0.3440	10	25.61	25612	1.02E-03	1.02E+00	3.91E-01	3.91E-04	2.42E+04	3.35E-04	38.33		93	25.99	25987	1.31E-03	1.31E+00	4.22E-01	4.22E-04	2.56E+04	4.07E-04
174	0.3400	102	29.32	29319	7.90E-04	7.90E-01	3.98E-01	3.98E-04	2.93E+04	2.82E-04	50.39		72	48.17	48173	1.32E-03	1.32E+00	4.53E-01	4.53E-04	4.91E+04	4.21E-04

DBJ

Base Case-Sorted 3 of 3

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
175	0.3360	118	22.91	22907	1.51E-03	1.51E+00	4.00E-01	4.00E-04	2.29E+04	4.68E-04	26.50		2	42.41	42405	1.32E-03	1.32E+00	5.58E-01	5.58E-04	4.24E+04	4.40E-04
176	0.3320	183	20.92	20918	8.24E-04	8.24E-01	4.01E-01	4.01E-04	2.09E+04	2.90E-04	48.67		100	20.41	20406	1.33E-03	1.33E+00	3.56E-01	3.56E-04	2.04E+04	4.07E-04
177	0.3280	245	50.00	50000	4.99E-02	4.99E+01	4.03E-01	4.03E-04	5.00E+04	2.94E-02	0.81		33	22.60	22603	1.36E-03	1.36E+00	6.91E-01	6.91E-04	2.26E+04	4.85E-04
178	0.3240	98	19.45	19451	1.18E-03	1.18E+00	4.08E-01	4.08E-04	1.95E+04	3.84E-04	34.65		157	24.20	24197	1.37E-03	1.37E+00	5.65E-01	5.65E-04	2.42E+04	4.56E-04
179	0.3200	70	38.82	38821	9.87E-04	9.87E-01	4.13E-01	4.13E-04	3.88E+04	3.29E-04	41.81		182	32.79	32786	1.38E-03	1.38E+00	3.74E-01	3.74E-04	2.09E+04	4.34E-04
180	0.3160	40	19.23	19226	1.17E-03	1.17E+00	4.16E-01	4.16E-04	1.92E+04	3.72E-04	35.47		31	30.74	30736	1.38E-03	1.38E+00	6.02E-01	6.02E-04	3.07E+04	4.69E-04
181	0.3120	42	16.40	16404	1.26E-03	1.26E+00	4.19E-01	4.19E-04	1.62E+04	4.04E-04	33.28		146	32.26	32255	1.39E-03	1.39E+00	3.69E-01	3.69E-04	3.23E+04	4.08E-04
182	0.3080	215	22.31	22306	1.24E-03	1.24E+00	4.21E-01	4.21E-04	2.09E+04	3.98E-04	33.80		64	32.79	32786	1.39E-03	1.39E+00	3.32E-01	3.32E-04	2.56E+04	4.25E-04
183	0.3040	46	20.92	20918	1.12E-03	1.12E+00	4.21E-01	4.21E-04	2.09E+04	3.62E-04	37.43		81	29.32	29319	1.40E-03	1.40E+00	4.71E-01	4.71E-04	2.56E+04	4.43E-04
184	0.3000	93	25.99	25987	1.31E-03	1.31E+00	4.22E-01	4.22E-04	2.56E+04	4.07E-04	32.06		209	27.58	27576	1.42E-03	1.42E+00	4.88E-01	4.88E-04	2.76E+04	4.46E-04
185	0.2960	32	35.63	35629	9.16E-04	9.16E-01	4.28E-01	4.28E-04	3.56E+04	3.18E-04	46.73		87	22.60	22603	1.43E-03	1.43E+00	5.50E-01	5.50E-04	2.26E+04	4.63E-04
186	0.2920	101	22.60	22603	8.48E-04	8.48E-01	4.32E-01	4.32E-04	2.26E+04	3.10E-04	51.00		116	27.58	27576	1.44E-03	1.44E+00	5.38E-01	5.38E-04	2.42E+04	4.77E-04
187	0.2880	76	37.50	37500	1.67E-03	1.67E+00	4.34E-01	4.34E-04	2.56E+04	5.62E-04	26.03		53	24.20	24197	1.46E-03	1.46E+00	7.06E-01	7.06E-04	2.42E+04	5.11E-04
188	0.2840	172	24.20	24197	1.30E-03	1.30E+00	4.42E-01	4.42E-04	2.26E+04	4.26E-04	34.11		30	25.61	25612	1.47E-03	1.47E+00	8.15E-01	8.15E-04	2.42E+04	5.52E-04
189	0.2800	15	22.60	22603	1.23E-03	1.23E+00	4.44E-01	4.44E-04	2.26E+04	3.93E-04	35.97		190	25.61	25612	1.48E-03	1.48E+00	5.10E-01	5.10E-04	2.56E+04	4.68E-04
190	0.2760	28	27.58	27576	1.49E-03	1.49E+00	4.44E-01	4.44E-04	2.76E+04	4.53E-04	29.88		28	27.58	27576	1.49E-03	1.49E+00	4.44E-01	4.44E-04	2.76E+04	4.53E-04
191	0.2720	21	27.58	27576	9.35E-04	9.35E-01	4.51E-01	4.51E-04	2.76E+04	3.27E-04	48.27		74	28.87	28868	1.51E-03	1.51E+00	2.75E-01	2.75E-04	2.89E+04	4.34E-04
192	0.2680	72	48.17	48173	1.32E-03	1.32E+00	4.53E-01	4.53E-04	4.91E+04	4.21E-04	34.36		118	22.91	22907	1.51E-03	1.51E+00	4.00E-01	4.00E-04	2.29E+04	4.68E-04
193	0.2640	196	25.99	25987	1.08E-03	1.08E+00	4.60E-01	4.60E-04	2.60E+04	3.81E-04	42.65		66	40.92	40922	1.51E-03	1.51E+00	4.64E-01	4.64E-04	2.93E+04	4.92E-04
194	0.2600	66	40.92	40922	1.51E-03	1.51E+00	4.64E-01	4.64E-04	2.93E+04	4.92E-04	30.68		75	27.58	27576	1.53E-03	1.53E+00	4.87E-01	4.87E-04	2.76E+04	4.71E-04
195	0.2560	141	29.32	29319	1.57E-03	1.57E+00	4.65E-01	4.65E-04	2.26E+04	5.20E-04	29.58		226	32.79	32786	1.54E-03	1.54E+00	5.07E-01	5.07E-04	2.42E+04	5.69E-04
196	0.2520	240	19.23	19226	1.14E-03	1.14E+00	4.68E-01	4.68E-04	1.92E+04	3.79E-04	40.98		130	30.74	30736	1.57E-03	1.57E+00	6.56E-01	6.56E-04	3.07E+04	5.24E-04
197	0.2480	36	19.23	19226	1.15E-03	1.15E+00	4.68E-01	4.68E-04	1.92E+04	3.80E-04	40.85		147	29.32	29319	1.57E-03	1.57E+00	7.05E-01	7.05E-04	2.93E+04	5.51E-04
198	0.2440	81	29.32	29319	1.40E-03	1.40E+00	4.71E-01	4.71E-04	2.56E+04	4.43E-04	33.58		141	29.32	29319	1.57E-03	1.57E+00	4.65E-01	4.65E-04	2.26E+04	5.20E-04
199	0.2400	133	50.00	50000	4.13E-02	4.13E+01	4.76E-01	4.76E-04	5.00E+04	2.43E-02	1.15		128	25.61	25612	1.62E-03	1.62E+00	7.68E-01	7.68E-04	2.56E+04	5.63E-04
200	0.2360	223	25.99	25987	1.26E-03	1.26E+00	4.80E-01	4.80E-04	2.60E+04	4.10E-04	38.17		111	35.63	35629	1.63E-03	1.63E+00	2.53E-01	2.53E-04	3.56E+04	5.14E-04
201	0.2320	108	18.18	18175	1.27E-03	1.27E+00	4.82E-01	4.82E-04	2.09E+04	4.37E-04	38.07		213	18.58	18581	1.64E-03	1.64E+00	5.59E-01	5.59E-04	1.86E+04	5.13E-04
202	0.2280	75	27.58	27576	1.53E-03	1.53E+00	4.87E-01	4.87E-04	2.76E+04	4.71E-04	31.78		162	27.17	27165	1.64E-03	1.64E+00	5.15E-01	5.15E-04	2.72E+04	5.02E-04
203	0.2240	209	27.58	27576	1.42E-03	1.42E+00	4.88E-01	4.88E-04	2.76E+04	4.46E-04	34.29		103	24.20	24197	1.66E-03	1.66E+00	5.60E-01	5.60E-04	2.42E+04	5.20E-04
204	0.2200	197	30.74	30736	1.81E-03	1.81E+00	4.89E-01	4.89E-04	3.07E+04	5.35E-04	26.99		76	37.50	37500	1.67E-03	1.67E+00	4.34E-01	4.34E-04	2.56E+04	5.62E-04
205	0.2160	228	25.61	25612	1.03E-03	1.03E+00	4.92E-01	4.92E-04	2.42E+04	3.63E-04	47.70		208	19.92	19918	1.68E-03	1.68E+00	5.52E-01	5.52E-04	1.99E+04	5.20E-04
206	0.2120	131	20.92	20918	1.30E-03	1.30E+00	5.02E-01	5.02E-04	2.23E+04	4.34E-04	38.64		114	24.20	24197	1.73E-03	1.73E+00	6.95E-01	6.95E-04	2.42E+04	5.72E-04
207	0.2080	226	32.79	32786	1.54E-03	1.54E+00	5.07E-01	5.07E-04	2.42E+04	5.69E-04	32.80		9	24.20	24197	1.73E-03	1.73E+00	6.24E-01	6.24E-04	2.42E+04	5.55E-04
208	0.2040	190	25.61	25612	1.48E-03	1.48E+00	5.10E-01	5.10E-04	2.56E+04	4.68E-04	34.50		229	33.88	33884	1.75E-03	1.75E+00	5.68E-01	5.68E-04	3.39E+04	5.48E-04
209	0.2000	193	45.59	45586	1.84E-03	1.84E+00	5.11E-01	5.11E-04	4.56E+04	5.49E-04	27.71		12	32.26	32255	1.79E-03	1.79E+00	6.69E-01	6.69E-04	3.23E+04	5.76E-04
210	0.1960	109	32.26	32255	1.27E-03	1.27E+00	5.11E-01	5.11E-04	3.23E+04	4.20E-04	40.26		188	45.59	45586	1.81E-03	1.81E+00	2.56E-01	2.56E-04	4.56E+04	5.44E-04
211	0.1920	99	24.20	24197	1.09E-03	1.09E+00	5.11E-01	5.11E-04	2.42E+04	3.78E-04	46.85		197	30.74	30736	1.81E-03	1.81E+00	4.89E-01	4.89E-04	3.07E+04	5.35E-04
212	0.1880	184	32.79	32786	1.27E-03	1.27E+00	5.13E-01	5.13E-04	3.28E+04	4.19E-04	40.37		151	24.20	24197	1.81E-03	1.81E+00	8.83E-01	8.83E-04	2.42E+04	6.37E-04
213	0.1840	162	27.17	27165	1.64E-03	1.64E+00	5.15E-01	5.15E-04	2.72E+04	5.02E-04	31.40		143	32.79	32786	1.81E-03	1.81E+00	6.17E-01	6.17E-04	3.39E+04	5.73E-04
214	0.1800	155	40.92	40922	6.62E-04	6.62E-01	5.16E-01	5.16E-04	4.09E+04	2.82E-04	77.88		193	45.59	45586	1.84E-03	1.84E+00	5.11E-01	5.11E-04	4.56E+04	5.49E-04
215	0.1760	60	22.60	22603	1.23E-03	1.23E+00	5.20E-01	5.20E-04	2.26E+04	4.11E-04	42.18		156	38.82	38821	1.84E-03	1.84E+00	5.44E-01	5.44E-04	3.07E+04	6.39E-04
216	0.1720	61	22.60	22603	1.26E-03	1.26E+00	5.24E-01	5.24E-04	2.26E+04	4.20E-04	41.58		140	22.60	22603	1.92E-03	1.92E+00	5.98E-01	5.98E-04	2.26E+04	6.21E-04
217	0.1680	116	27.58	27576	1.44E-03	1.44E+00	5.38E-01	5.38E-04	2.42E+04	4.77E-04	37.49		192	22.60	22603	1.94E-03	1.94E+00	6.73E-01	6.73E-04	2.26E+04	6.10E-04
218	0.1640	156	38.82	38821	1.84E-03	1.84E+00	5.44E-01	5.44E-04	3.07E+04	6.39E-04	29.52		37	25.61	25612	2.02E-03	2.02E+00	7.13E-01	7.13E-04	2.15E+04	6.55E-04
219	0.1600	87	22.60	22603	1.43E-03	1.43E+00	5.50E-01	5.50E-04	2.26E+04	4.63E-04	38.57		52	50.00	50000	2.15E-03	2.15E+00	1.14E-01	1.14E-04	5.00E+04	1.23E-03
220	0.1560	208	19.92	19918	1.68E-03	1.68E+00	5.52E-01	5.52E-04	1.99E+04	5.20E-04	32.87		24	20.66	20659	2.16E-03	2.16E+00	5.89E-01	5.89E-04	1.92E+04	6.52E-04
221	0.1520	2	42.41	42405	1.32E-03	1.32E+00	5.58E-01	5.58E-04	4.24E+04	4.40E-04	42.24		152	44.76	44763	2.16E-03	2.16E+00	5.81E-01	5.81E-04	3.75E+04	7.05E-04
222	0.1480	241	25.99	25987	9.26E-04	9.26E-01	5.59E-01	5.59E-04	2.60E+04	3.53E-04	60.35		160	25.61	25612	2.26E-03	2.26E+00	1.19E+00	1.19E-03	2.56E+04	8.20E-04
223	0.1440	213	18.58	18581	1.64E-03	1.64E+00	5.59E-01	5.59E-04	1.86E+04	5.13E-04	34.12		174	29.78	29780	2.28E-03	2.28E+00	7.87E-01	7.87E-04	2.98E+04	7.19E-04
224	0.1400	103	24.20	24197	1.66E-03	1.66E+00	5.60E-01	5.60E-04	2.42E+04	5.20E-04	33.72		5	27.58	27576	2.29E-03	2.29E+00	8.94E-01	8.94E-04	2.76E+04	7.50E-04
225	0.1360	95	29.32	29319	1.22E-03	1.22E+00	5.65E-01	5.65E-04	2.93E+04	4.20E-04	48.35		244	20.92	20918	2.35E-03	2.35E+00	1.13E+00	1.13E-03	2.09E+04	8.23E-04
226	0.1320	157	24.20	24197	1.37E-03	1.37E+00	5.65E-01	5.65E-04	2.42E+04	4.56E-04	41.13		78	29.32	29319	2.36E-03	2.36E+00	1.05E+00	1.05E-03	2.93E+04	8.05E-04
227	0.1280	229	33.88	33884	1.75E-03	1.75E+00	5.68E-01	5.68E-04	3.39E+04	5.48E-04	32.38		120	20.16	20159	2.38E-03	2.38E+00	7.24E-01	7.24E-04	2.26E+04	7.63E-04
228	0.1240	152	44.76	44763	2.16E-03	2.16E+00	5.81E-01	5.81E-04	3.75E+04	7.05E-04	26.85		170	25.61	25612	2.67E-03	2.67E+00	1.09E+00	1.09E-03	2.09E+04	9.10E-04
229	0.1200	24	20.66	20659	2.16E-03	2.16E+00	5.89E-01	5.89E-04	1.92E+04	6.52E-04	27.24		239	34.45	34452	2.72E-03	2.72E+00	6.80E-01	6.80E-04	3.39E+04	7.95E-04
230	0.1160	54	34.45	34452	1.14E-03	1.14E+00	5.96E-01	5.96E-04	3.45E+04	4.10E-04	52.47		189	27.17	27165	2.78E-03	2.78E+00	1.25E+00	1.25E-03	2.72E+04	1.00E-03
231	0.1120	140	22.60	22603	1.92E-03	1.92E+00	5.98E-01	5.98E-04	2.26E+04	6.21E-04	31.19		154	36.24	36238	3.25E-03	3.25E+00	3.56E-01	3.56E-04	5.00E+04	1.81E-03
232	0.1080	31	30.74	30736	1.38E-03	1.38E+00	6.02E-01	6.02E-04	3.07E+04	4.69E-04	43.46		119	22.60	22603	3.29E-03	3.29E+00	1.23E+00	1.23E-03	2.26E+04	1.06E-03
233	0.1040	38	22.31	22306	1.14E-03	1.14E+00	6.03E-01	6.03E-04	2.23E+04	4.14E-04	52.81		41	37.50	37500	3.86E-03	3.86E+00	2.00E-01	2.00E-04	3.75E+04	2.18E-03
234	0.1000	143	32.79	32786	1.81E-03	1.81E+00	6.17E-01	6.17E-04	3.39E+04	5.73E-04	34.08		246	50.00	50000	4.20E-03	4.20E+00	2.42E-01	2.42E-04	5.00E+04	2.39E-03
235	0.0960	9	24.20	24197	1.73E-03	1.73E+00	6.24E-01	6.24E-04	2.42E+04	5.55E-04	36.14		247	37.50	37500	4.69E-03	4.69E+00	1.37E-01	1.37E-04	3.75E+04	2.73E-03
236	0.0920	161	25.99	25987	1.21E-03	1.21E+00	6.35E-01	6.35E-04	2.60E+04	4.37E-04	52.43		203	50.00	50000	4.75E-03	4.75E+00	1.82E-01	1.82E-04	5.00E+04	2.74E-03
237	0.0880	130	30.74	30736	1.57E-03	1.57E+00	6.56E-01	6.56E-04	3.07E+04	5.24E-04	41.86		138	50.00	50000	5.28E-03	5.28E+00	1.15E-01	1.15E-04	5.00E+04	3.08E-03
238	0.0840	166	28.87	28868	1.31E-03	1.31E+00	6.61E-01	6.61E-04	2.76E+04	4.93E-04	50.44		104	43.96	43959	5.67E-03	5.67E+00	1.01E-01	1.01E-04	4.40E+04	3.31E-03
239	0.0800	12	32.26	32255	1.79E-03	1.79E+00	6.69E-01	6.69E-04	3.23E+04	5.76E-04	37.44		11	50.00	50000	6.18E-03	6.18E+00	1.24E-01	1.24E-04	5.00E+04	3.61E-03
240	0.0760	192	22.60	22603	1.94E-03	1.94E+00	6.73E-01	6.73E-04	2.26E+04	6.10E-04	34.74		250	50.00	50000	9.05E-03	9.05E+00	2.27E-01	2.27E-04	5.00E+04	5.29E-03
241	0.0720	239	34.45	34452	2.72E-03	2.72E+00	6.80E-01	6.80E-04	3.39E+04	7.95E-04	25.01		125	47.29	47291	1.09E-02	1.09E+01	1.62E-01	1.62E-04	4.73E+04	6.36E-03
242	0.0680	33	22.60	22603	1.36E-03	1.36E+00	6.91E-01	6.91E-04	2.26E+04	4.85E-04	50.88		65	40.92	40922	1.25E-02	1.25E+01	3.07E-01	3.07E-04	4.09E+04	7.28E-03
243	0.0640	114	24.20	24197	1.73E-03	1.73E+00	6.95E-01	6.95E-04	2.42E+04	5.72E-04	40.26		198	50.00	50000	1.58E-02	1.58E+01	1.71E-01	1.71E-04	5.00E+04	9.27E-03
244	0.0600	147	29.32	29319	1.57E-03	1.57E+00	7.05E-01	7.05E-04	2.93E+04	5.51E-04	44.88		3	42.41	42405	1.76E-02	1.76E+01	2.60E-01	2.60E-04	4.24E+04	1.03E-02
245	0.0560	53	24.20	24197	1.46E-03	1.46E+00	7.06E-01	7.06E-04	2.42E+04	5.11E-04	48.41		158	50.00	50000	1.90E-02	1.90E+01	1.33E-01	1.33E-04	5.00E+04	1.12E-02
246	0.0520	37	25.61	25612	2.02E-03	2.02E+00	7.13E-01	7.13E-04	2.15E+04	6.55E-04	35.25		105	50.00	50000	1.94E-02	1.94E+01	2.53E-01	2.53E-04	5.00E+04	1.14E-02
247	0.0480	120	20.16	20159	2.38E-03	2.38E+00	7.24E-01	7.24E-04	2.26E+04	7.63E-04	30.42		159	43.17	43173	2.07E-02	2.07E+01	2.71E-01	2.71E-04	4.32E+04	1.22E-02
248	0.0440	128	25.61	25612	1.62E-03	1.62E+00	7.68E-01	7.68E-04	2.56E+04	5.63E-04	47.35		16	50.00	50000	2.08E-02	2.08E+01	1.74E-01	1.74E-04	5.00E+04	1.22E-02
249	0.0400	174	29.78	29780	2.28E-03	2.28E+00	7.87E-01	7.87E-04	2.98E+04	7.19E-04	34.52		214	29.32	29319	2.17E-02	2.17E+01	1.97E-01	1.97E-04	2.93E+04	1.27E-02
250	0.0360	30	25.61	25612	1.47E-03	1.47E+00	8.15E-01	8.15E-04	2.42E+04	5.52E-04	55.31		186	50.00	50000	2.31E-02	2.31E+01	1.41E-01	1.41E-04	5.00E+04	1.36E-02
251	0.0320	151	24.20	24197	1.81E-03	1.81E+00	8.83E-01	8.83E-04	2.42E+04	6.37E-04	48.77		34	50.00	50000	2.33E-02	2.33E+01	3.86E-01	3.86E-04	5.00E+04	1.36E-02
252	0.0280	5	27.58	27576	2.29E-03	2.29E+00	8.94E-01	8.94E-04	2.76E+04	7.50E-04	39.04		83	50.00	50000	2.42E-02	2.42E+01	3.07E-01	3.07E-04	5.00E+04	1.42E-02
253	0.0240	78	29.32	29319	2.36E-03	2.36E+00	1.05E+00	1.05E-03	2.93E+04	8.05E-04	44.43		212	50.00	50000	2.67E-02	2.67E+01	1.67E-01	1.67E-04	5.00E+04	1.57E-02
254	0.0200	170	25.61	25612	2.67E-03	2.67E+00	1.09E+00	1.09E-03	2.09E+04	9.10E-04	40.71		122	42.41	42405	3.77E-02	3.77E+01	1.65E-01	1.65E-04	4.24E+04	2.23E-02
255	0.0160	244	20.92	20918	2.35E-03	2.35E+00	1.13E+00	1.13E-03	2.09E+04	8.23E-04	48.18		88	27.58	27576	4.02E-02	4.02E+01	2.19E-01	2.19E-04	2.76E+04	2.37E-02
256	0.0120	160	25.61	25612	2.26E-03	2.26E+00	1.19E+00	1.19E-03	2.56E+04	8.20E-04	52.75		133	50.00	50000	4.13E-02	4.13E+01	4.78E-01	4.78E-04	5.00E+04	2.43E-02
257	0.0080	119	22.60	22603	3.29E-03	3.29E+00	1.23E+00	1.23E-03	2.26E+04	1.06E-03	37.34		245	50.00	50000	4.99E-02	4.99E+01	4.03E-01	4.03E-04	5.00E+04	2.94E-02
258	0.0040	189	27.17	27165	2.78E-03	2.78E+00	1.25E+00	1.25E-03	2.72E+04	1.00E-03	45.14		79	50.00	50000	6.73E-02	6.73E+01	3.54E-01	3.54E-04	5.00E+04	3.97E-02

3/3/00

Base Case + Lower Tc-99 solubility (reducing)
Unsorted
1 of 2

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
12	Input		file	tpa.inp	as	supplied	with	TPA	Version	3.2.1	Code.																
13	Base		case	data	set	Rev	3.2.1	2/22/99																			
14	TPA		3.2.3	PVM	capable,	Job	started:	Mon	Oct	25	9:17:54	1999															
15	Groundwater		Total	Peak	Dose	and	Peak	Time	with	Doses																	
16	for		Each	Nuclide	at	Peak	Time	-	Values	for	Each	Vector															
18					Cm246de	U238de	Cm245de	Am241de	Np237de	Am243de	Pu239de	Pu240de	U234de	Th230de	Ra226de	Pb210de	Cs135de	I129de	Tc99de	Tc99de	Ni59de	C14de	Se79de	Nb94de	Cl36de	timedwpk	dmkh20
19	vector	pktime	pktime	pktode	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	mrem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	yr	rem/yr
20	unitless	yr/1000	yr	rem/yr																							
21	1	34.45	34452	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04	4.28E-05	4.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-06	3.45E+04	1.06E-04
22	2	50.00	50000	9.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-04	5.05E-05	5.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-05	5.00E+04	2.19E-04
23	3	42.41	42405	1.73E-02	0.00E+00	2.93E-07	0.00E+00	0.00E+00	1.71E-02	0.00E+00	0.00E+00	0.00E+00	1.12E-08	1.09E-10	3.03E-11	1.46E-10	0.00E+00	1.70E-04	4.88E-04	4.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05	4.24E+04	1.02E-02
24	4	25.61	25612	5.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04	1.34E-05	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-05	2.56E+04	1.20E-04
25	5	27.58	27576	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03	4.04E-05	4.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05	2.76E+04	3.15E-04
26	6	32.79	32786	1.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-04	1.30E-04	1.30E-07	0.00E+00	0.00E+00	2.48E-05	0.00E+00	2.65E-06	3.28E+04	3.88E-05
27	7	34.45	34452	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	8.64E-06	8.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-06	3.45E+04	5.24E-05
28	8	27.58	27576	7.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-04	7.98E-05	7.98E-08	0.00E+00	0.00E+00	3.88E-05	0.00E+00	1.69E-05	2.76E+04	1.73E-04
29	9	24.20	24197	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	5.40E-05	5.40E-08	0.00E+00	0.00E+00	3.16E-05	0.00E+00	3.07E-05	2.76E+04	2.51E-04
30	10	25.61	25612	6.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-04	1.34E-04	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-06	2.56E+04	1.43E-04
31	11	50.00	50000	6.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-05	7.92E-06	7.92E-09	3.90E-08	0.00E+00	1.44E-05	0.00E+00	1.14E-06	5.00E+04	3.54E-03
32	12	28.43	28427	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	3.10E-05	3.10E-08	4.40E-07	0.00E+00	0.00E+00	0.00E+00	3.18E-06	2.84E+04	2.70E-04
33	13	43.96	43959	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	1.25E-03	1.25E-06	1.92E-07	0.00E+00	3.23E-05	0.00E+00	2.40E-06	4.40E+04	5.79E-05
34	14	40.92	40922	3.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E-04	1.06E-04	1.06E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-06	4.09E+04	6.94E-05
35	15	22.60	22603	7.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-04	6.56E-05	6.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-05	2.26E+04	1.77E-04
36	16	50.00	50000	2.06E-02	0.00E+00	1.80E-20	0.00E+00	0.00E+00	2.05E-02	0.00E+00	0.00E+00	0.00E+00	7.03E-20	3.62E-24	0.00E+00	0.00E+00	0.00E+00	1.24E-04	4.36E-05	4.36E-08	6.65E-08	0.00E+00	0.00E+00	0.00E+00	1.41E-06	5.00E+04	1.22E-02
37	17	32.26	32255	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	1.92E-04	1.92E-07	1.84E-14	0.00E+00	1.43E-07	0.00E+00	2.94E-06	3.23E+04	3.87E-05
38	18	50.00	50000	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	1.77E-05	1.77E-08	0.00E+00	0.00E+00	7.44E-10	0.00E+00	4.04E-06	5.00E+04	9.34E-05
39	19	27.58	27576	7.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.04E-04	7.77E-05	7.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-06	2.78E+04	1.60E-04
40	20	50.00	50000	7.57E-04	0.00E+00	1.81E-08	0.00E+00	0.00E+00	7.56E-04	0.00E+00	0.00E+00	0.00E+00	6.97E-08	1.90E-10	3.00E-11	9.99E-11	0.00E+00	6.09E-07	1.00E-06	1.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-09	5.00E+04	4.47E-04
41	21	34.45	34452	6.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-04	1.05E-04	1.05E-07	9.48E-08	0.00E+00	0.00E+00	0.00E+00	2.16E-06	3.45E+04	1.42E-04
42	22	21.45	21454	7.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-04	3.41E-05	3.41E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	1.63E-05	2.15E+04	1.58E-04
43	23	50.00	50000	4.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.42E-05	8.76E-04	8.76E-07	2.08E-08	0.00E+00	0.00E+00	0.00E+00	5.20E-07	5.00E+04	1.09E-05
44	24	20.92	20918	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03	2.01E-04	2.01E-07	0.00E+00	0.00E+00	5.98E-05	0.00E+00	1.53E-05	2.09E+04	3.71E-04
45	25	50.00	50000	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	2.56E-05	2.56E-08	0.00E+00	0.00E+00	3.32E-07	0.00E+00	1.15E-05	5.00E+04	6.15E-05
46	26	30.74	30736	8.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-04	1.05E-04	1.05E-07	0.00E+00	0.00E+00	8.12E-05	0.00E+00	1.33E-05	3.07E+04	1.65E-04
47	27	19.23	19226	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-04	4.17E-05	4.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-06	1.92E+04	8.01E-05
48	28	27.58	27576	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.37E-04	1.37E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-06	2.76E+04	2.37E-04
49	29	42.41	42405	7.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-04	9.80E-05	9.80E-08	0.00E+00	0.00E+00	3.56E-07	0.00E+00	1.77E-06	4.24E+04	1.78E-04
50	30	36.24	36238	8.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-04	8.58E-05	8.58E-08	4.32E-07	0.00E+00	0.00E+00	0.00E+00	3.80E-06	3.62E+04	1.94E-04
51	31	30.74	30736	7.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-04	9.27E-06	9.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	3.07E+04	1.76E-04
52	32	35.63	35629	4.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	4.13E-06	4.13E-09	9.80E-08	0.00E+00	3.81E-08	0.00E+00	9.68E-06	3.56E+04	1.10E-04
53	33	27.17	27165	6.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-04	1.73E-05	1.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-06	2.72E+04	1.54E-04
54	34	50.00	50000	2.29E-02	0.00E+00	6.79E-22	0.00E+00	0.00E+00	2.25E-02	0.00E+00	0.00E+00	0.00E+00	2.52E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-04	2.95E-06	2.95E-09	0.00E+00	0.00E+00	4.11E-07	0.00E+00	6.96E-06	5.00E+04	1.34E-02
55	35	25.99	25987	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	2.09E-05	2.09E-08	0.00E+00	0.00E+00	7.12E-05	0.00E+00	8.86E-06	2.60E+04	1.07E-04
56	36	19.23	19226	6.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.62E-04	2.44E-05	2.44E-08	6.85E-08	0.00E+00	0.00E+00	0.00E+00	1.65E-05	1.92E+04	1.52E-04
57	37	25.61	25612	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	8.92E-04	8.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	2.56E+04	2.97E-04
58	38	29.32	29319	6.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-12	1.84E-15	1.32E-14	0.00E+00	6.69E-04	7.18E-05	7.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-06	2.93E+04	1.53E-04
59	39	50.00	50000	3.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-06	1.16E-06	1.16E-09	0.00E+00	0.00E+00	1.61E-07	0.00E+00	1.85E-06	5.00E+04	4.55E-07
60	40	19.23	19226	7.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-04	6.20E-05	6.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05	1.92E+04	1.70E-04
61	41	37.50	37500	3.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	1.09E-04	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05	3.75E+04	2.08E-03
62	42	18.56	18564	8.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-04	4.56E-05	4.56E-08	4.54E-06	0.00E+00	9.01E-05	0.00E+00	2.17E-05	1.74E+04	2.01E-04
63	43	22.60	22603	4.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04	1.10E-04	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	2.26E+04	1.10E-04
64	44	28.87	28868	6.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-04	1.32E-05	1.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05	2.49E+04	1.47E-04
65	45	27.58	27576	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	1.18E-07	1.18E-10	4.00E-08	0.00E+00	0.00E+00	0.00E+00	1.82E-07	2.76E+04	2.78E-06
66	46	22.31	22306	7.18E-04	0.00E+00	4.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-07	3.84E-13	1.37E-12	5.39E-12	0.00E+00	7.04E-04	5.63E-05	5.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	2.23E+04	1.61E-04
67	47	24.20	24197	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.95E-05	3.95E-08	0.00E+00	0.00E+00	3.21E-05	0.00E+00	3.39E-06	2.42E+04	6.79E-05
68	48	37.50	37500	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	2.19E-04	2.19E-07	4.33E-07	0.00E+00	0.00E+00	0.00E+00	1.65E-06	3.75E+04	5.72E-05
69	49	43.96	43959	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	6.34E-05	6.34E-08	0.00E+00	0.00E+00	8.38E-06	0.00E+00	7.61E-07	4.40E+04	5.36E-05
70	50	40.92	40922	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	8.34E-06	8.34E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-06	4.09E+04	3.42E-05
71	51	30.74	30736	4.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04	1.42E-04	1.42E-07	3.40E-08	0.00E+00	4.26E-05	0.00E+00	2.52E-06	3.07E+04	1.11E-04
72	52	50.00	50000	2.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05	1.45E-05	1.45E-08	0.00E+00	0.00E+00	1.27E-05	0.00E+00	8.27E-07	5.00E+04	1.17E-03
73	53	30.74	30736	8.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-04	2.29E-05	2.29E-08	0.00E+00	0.00E+00	5.45E-14	0.00E+00	6.03E-06	3.07E+04	1.92E-04
74	54	46.43	46429	7.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-04	9.36E-05	9.36E-08	7.80E-08	0.00E+00	3.54E-07	0.00E+00	3.30E-06	4.64E+04	1.64E-04
75	55	44.76	44763	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	1.09E-03	1.09E-06	0.00E+00	0.00E+00	1.06E-05	0.00E+00	3.12E-06	5.00E+04	6.51E-05
76	56	32.26	32255	5.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-04	2.93E-05	2.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05	3.23E+04	1.26E-04
77	57	34.45	34452	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-04	1.29E-04	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-06	3.45E+04	1.30E-04
78	58	30.74	30736	4.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	1.85E-05	1.85E-08	2.00E-14	0.00E+00	2.49E-05	0.00E+00	2.95E-06	3.07E+04	8.48E-05
79	59	29.32	29319	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-04	1.57E-05	1.57E-08	7.09E-08	0.00E+00	0.00E+00	0.00E+00	1.38E-05	2.93E+04	1.06E-04
80	60	30.74	30736	7.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-04	9.11E-05	9.11E-08	3.44E-16	0.00E+00	3.40E-05	0.00E+00	2.23E-06	3.07E+04	1.82E-04
81	61	24.20	24197	7.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.70E-04	7.00E-05	7.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-06	2.42E+04	1.76E-04
82	62	32.79	32786	5.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04	5.97E-05	5.97E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-06	3.28E+04	1.30E-04
83	63	33.88	33884	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-04	1.06E-04	1.06E-07	0.00E+00	0.00E+00	3.19E-06	0.00E+00	2.49E-06	3.39E+04	3.32E-05
84	64	32.79	32786	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.40E-04	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-06	3.28E+04	2.40E-04
85	65	40.92	40922	1.22E-02	0.00E+00	1.37E-11	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	0.00E+00	5.21E-11	3.94E-13	1.41E-15	6.11E-15	0.00E+00	1.99E-04	2.90E-04	2.90E-07	1.07E-05	0.00E+00	0.00E+00	0.00E+00	2.48E-06	4.09E+04	7.13E-03
86	66	40.92	40922	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.24E-04	1.24E-07	1.57E-05	0.00E+00	0.00E+00	0.00E+00	3.75E-06	4.09E+04	2.41E-04
87	67	33.88	33884	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04	1.24E-05	1.24E-08	1.20E-06	0.00E+00	7.85E-05	0.00E+00	8.37E-06	3.39E+04	1.19E-04
88	68	42.41	42405	5.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.91E-04	3.88E-05	3.88E-08	1.11E-06	0.00E+00	2.37E-07	0.00E+00	4.27E-06	4.24E+04	1.35E-04
89	69	37.50	37500	5.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-04	2.46E-05	2.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	4.40E+04	1.13E-04
90	70	39.51	39505	5.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-04	2.75E-05	2.75E-08	5.61E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-05	3.95E+04	1.32E-04
91	71	39.51	39505	6.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-04	1.40E-04	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-07	3.95E+04	1.41E-04
92	72	48.17	48173	8.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-04	5.03E-05	5.03E-08	2.02E-07	0.00E+00	0.00E+00	0.00E+00	2.88E-05	4.82E+04	1.93E-04
93	73	16.89	16893	7.32E-04	0.00E+00	4.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-08	3.25E-14	3.50E-13	4.33E-13	0.00E+00	7.14E-04	4.65E-05	4.65E-08	0.00E+00	0.00E+00	7.53E-08	0.00E+00	1.82E-05	1.69E+04	1.64E-04
94	74	29.32	29319	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	1.04E-04	1.04E-07	0.00E+00	0.00E+00	1.20E-04	0.00E+00	2.35E-05	2.89E+04	3.00E-04
95	75	27.58	27576	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	2.67E-04	2.67E-07	2.02E-07	0.00E+00	0.00E+00	0.00E+00	2.89E-05	2.76E+04	2.34E-04
96	76	37.50	37500	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	9.90E-05	9.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-06	3.75E+04	2.80E-04
97	77	29.32	29319	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-04	1.43E-05	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05	2.93E+04	1.04E-04
98	78	29.32	29319	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	1.31E-04	1.31E-07	9.65E-06	0.00E+00	0.00E+00	0.00E+00	3.51E-05	2.93E+04	2.94E-04
99	79	50.00	50000	6.70E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	6.18E-05	6.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-06	5.00E+04	3.95E-02
100	80	25.99	25987	6.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-04	1.62E-04	1.62E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-06	2.60E+04	1.37E-04
101	81	30.74	30736	9.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.33E-04	4.16E-05	4.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-06	3.07E+04	2.13E-04
102	82	27.17	27165	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04	6.44E-06	6.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	2.72E+04	1.13E-04
103	83	50.00	50000	2.39E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	1.08E-04	1.08E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-06	5.00E+04	1.41E-02
104	84	40.92	40922	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	2.20E-05	2.20E-08	0.00E+00	0.00E+00	2.90E-05	0.00E+00	2.95E-06	4.09E+04	7.57E-05
105	85	42.41	42405	9.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-04	4.98E-05	4.98E-08	6.32E-07	0.00E+00	5.71E-05	0.00E+00	2.74E-06	4.24E+04	2.20E-04
106	86	32.79	32786	7.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-04	3.55E-04	3.55E-07	2.07E-07	0.00E+00	2.00E-05	0.00E+00	1.36E-06	3.28E+04	1.69E-04
107	87	27.58	27576	8.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-04	6.67E-05	6.67E-08	0.00E+00	0.00E+00	1.15E-07	0.00E+00	3.14E-06	2.76E+04	2.04E-04
108	88	27.58	27576	4.00E-02	0.00E+00	7.39E-09	0.00E+00	0.00E+00	3.95E-02	0.00E+00	0.00E+00	0.00E+00	2.91E-08	9.87E-11	2.34E-12	1.04E-11	0.00E+00	1.47E-04	1.30E-04	1.30E-07	0.00E+00	0.00E+00	2.28E-05	0.00E+00	1.74E-06	2.76E+04	2.36E-02
109	89	24.20	24197	7.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-04	6.08E-05	6.08E-08	2.25E-08	0.00E+00	1.45E-04	0.00E+00	1.26E-05	2.42E+04	1.65E-04
110	90	42.41	42405	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	8.11E-06	8.11E-09	0.00E+00	0.00E+00	3.76E-05	0.00E+00	2.01E-05	4.24E+04	8.94E-05
111	91	50.00	50000	8.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.37E-05	2.37E-08	0.00E+00	0.00E+00	1.77E-05	0.00E+00	1.33E-06	5.00E+04	4.47E-04
112	92	49.08	49076	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	2.08E-05	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05	4.91E+04	7.22E-05
113	93	25.99	25987	8.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-04	2.54E-05	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-05	2.60E+04	2.01E-04
114	94	43.96	43959	5.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04	3.51E-05	3.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-06	4.40E+04	1.25E-04
115	95	35.63	35629	7.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-04	3.67E-05	3.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-06	3.56E+04	1.76E-04
116	96	37.50	37500	6.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-04	1.87E-05	1.87E-08	1.56E-07	0.00E+00	7.59E-07	0.00E+00	1.97E-05	3.75E+04	1.53E-04
117	97	50.00	50000	2.39E-04	0.00E+00	8.10E-26	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	1.35E-04	1.35E-07	0.00E+00	0.00E+00	3.44E-05	0.00E+00	1.03E-05	5.00E+04	6.52E-05
118	98	19.45	19451	7.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-04	5.06E-05	5.06E-08	0.00E+00	0.00E+00	9.75E-05	0.00E+00	1.65E-05	1.95E+04	1.86E-04
119	99	31.23	31231	7.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-04	1.16E-04	1.16E-07	0.00E+00	0.00E+00	6.00E-05	0.00E+00	2.56E-06	3.12E+04	1.78E-04
120	100	20.41	20406	9.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-04	2.81E-05	2.81E-08	0.00E+00	0.00E+00	1.15E-04	0.00E+00	2.18E-05	2.04E+04	2.33E-04
121	101	30.74	30736	4.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-04	2.80E-05	2.80E-08	0.00E+00	0.00E+00	4.43E-05	0.00E+00	1.87E-06	2.42E+04	1.21E-04
122	102	40.92	40922	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	1.46E-05	1.46E-08	4.20E-08	0.00E+00	3.66E-05	0.00E+00	1.79E-05	4.09E+04	9.74E-05
123	103	24.20	24197	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	3.58E-05	3.58E-08	2.70E-08	0.00E+00	0.00E+00	0.00E+00	1.75E-05	2.42E+04	2.48E-04
124	104	43.96	43959	5.57E-03	0.00E+00	1.48E-11	0.00E+00	0.00E+00	5.49E-03	0.00E+00	0.00E+00	0.00E+00	5.58E-11	9.36E-15	3.47E-15	2.87E-14	0.00E+00	7.78E-05	7.65E-05	7.65E-08	5.36E-17	0.00E+00	0.00E+00	0.00E+00	8.15E-07	4.40E+04	3.26E-03
125	105	50.00	50000	1.91E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-04	1.61E-05	1.61E-08	7.67E-08	0.00E+00	0.00E+00	0.00E+00	2.06E-06	5.00E+04	1.13E-02
126	106	37.50	37500	5.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-04	1.20E-05	1.20E-08	0.00E+00	0.00E+00	7.09E-05	0.00E+00	4.90E-06	3.75E+04	1.24E-04
127	107	33.88	33884	6.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-04	3.65E-05	3.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-06	3.39E+04	1.40E-04
128	108	18.18	18175	7.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-04	3.88E-05	3.88E-08	0.00E+00	0.00E+00	8.66E-05	0.00E+00	1.52E-05	5.00E+04	2.51E-04
129	109	32.79	32786	7.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-04	2.94E-05	2.94E-08	4.70E-07	0.00E+00	0.00E+00	0.00E+00	7.25E-06	3.28E+04	1.73E-04
130	110	37.50	37500	8.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-04	2.93E-05	2.93E-08	8.94E-08	0.00E+00	9.90E-06	0.00E+00	2.81E-06	3.75E+04	1.85E-04
131	111	35.63	35629	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	1.94E-04	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-06	3.56E+04	3.91E-04
132	112	28.43	28427	5.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-04	2.78E-05	2.78E-08	0.00E+00	0.00E+00	1.08E-07	0.00E+00	1.02E-05	2.84E+04	1.28E-04
133	113	32.26	32255	5.37E-04	0.00E+00	1.83E-29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04	1.53E-05	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	3.23E+04	1.20E-04
134	114	24.20	24197	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.05E-04	1.05E-07	2.13E-10	0.00E+00	0.00E+00	0.00E+00	9.01E-06	2.42E+04	2.34E-04
135	115	24.20	24197	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-09	6.42E-13	1.67E-12	0.00E+00	4.33E-04	2.45E-05	2.45E-08	0.00E+00	0.00E+00	8.95E-05	0.00E+00	1.54E-05	5.00E+04	1.79E-04
136	116	22.60	22603	9.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-04	5.06E-05	5.06E-08	0.00E+00	0.00E+00	4.22E-07	0.00E+00	2.00E-05	2.26E+04	2.09E-04
137	117	27.58	27576	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.74E-04	1.69E-05	1.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-06	2.76E+04	1.08E-04
138	118	22.91	22907	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.97E-04	1.78E-05	1.78E-08	3.40E-08	0.00E+00	1.63E-04	0.00E+00	2.51E-05	2.32E+04	2.75E-04
139	119	22.60	22603	2.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-03	6.63E-05	6.63E-08	0.00E+00	0.00E+00	1.03E-08	0.00E+00	5.12E-05	2.26E+04	4.61E-04
140	120	20.16	20159	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03	7.01E-05	7.01E-08	1.03E-06	0.00E+00	0.00E+00	0.00E+00	3.26E-05	2.02E+04	3.72E-04
141	121	30.74	30736	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	1.25E-04	1.25E-07	2.06E-08	0.00E+00	0.00E+00	0.00E+00	4.91E-07	3.07E+04	4.26E-05
142	122	42.41	42405	3.78E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	3.37E-05	3.37E-08	0.00E+00	0.00E+00	1.07E-05	0.00E+00	1.34E-06	4.24E+04	2.22E-02
143	123	30.74	30736	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	4.82E-05	4.82E-08	3.53E-08	0.00E+00	0.00E+00	0.00E+00	1.21E-06	3.07E+04	9.45E-05
144	124	24.20	24197	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	2.34E-04	2.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-06	2.42E+04	7.60E-05
145	125	47.29	47291	1.07E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	5.01E-05	5.01E-08	2.55E-11	0.00E+00	2.00E-05	0.00E+00	1.32E-06	4.73E+04	6.29E-03
146	126	45.59	45586	9.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.04E-04	1.62E-04	1.62E-07	0.00E+00	0.00E+00	1.47E-04	0.00E+00	2.58E-06	4.56E+04	2.37E-04
147	127	43.96	43959	8.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-04	3.64E-04	3.64E-07	1.58E-07	0.00E+00	2.31E-08	0.00E+00	2.81E-06	4.40E+04	1.90E-04
148	128	32.79	32786	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	1.35E-04	1.35E-07	0.00E+00	0.00E+00	2.62E-18	0.00E+00	3.87E-06	3.28E+04	2.49E-04
149	129	35.63	35629	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	9.73E-06	9.73E-09	8.37E-08	0.00E+00	1.03E-07	0.00E+00	3.34E-06	3.56E+04	9.35E-05
150	130	40.92	40922	9.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-04	9.23E-05	9.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-06	4.09E+04	2.26E-04
151	131	20.92	20918	7.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.71E-04	2.55E-05	2.55E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-06	2.09E+04	1.77E-04
152	132	40.92	40922	4.23E-04	0.00E+00	3.46E-13	0.00E+00	0.00E+00	1.74E-07	0.00E+00	0.00E+00	0.00E+00	1.31E-12	3.42E-17	3.97E-17	2.59E-16	0.00E+00	3.57E-04	2.77E-05	2.77E-08	0.00E+00	0.00E+00	6.32E-06	0.00E+00	3.29E-06	5.00E+04	1.08E-04
153	133	50.00	50000	4.09E-02	0.00E+00	1.13E-08	0.00E+00	0.00E+00	4.06E-02	0.00E+00	0.00E+00	0.00E+00	4.17E-08	1.88E-11	6.33E-12	4.14E-11	0.00E+00	3.06E-04	1.08E-04	1.08E-07	0.00E+00	0.00E+00	8.25E-19	0.00E+00	3.88E-06	5.00E+04	2.41E-02

3/3/00

Unsorted
Base Case + Lower Tc-99 solubility 2 of 2

3/3/00
DBI

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
154	134	24.20	24197	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	3.83E-05	3.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.09E-06	2.42E+04	9.09E-05
155	135	30.74	30736	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	1.47E-04	1.47E-07	0.00E+00	0.00E+00	1.58E-05	0.00E+00	1.57E-06	3.07E+04	9.72E-05
156	136	30.74	30736	8.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-04	2.01E-04	2.01E-07	2.56E-16	0.00E+00	6.39E-07	0.00E+00	2.18E-06	3.07E+04	1.91E-04
157	137	17.42	17417	6.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.09E-06	7.19E-07	7.19E-10	2.67E-07	0.00E+00	3.33E-08	0.00E+00	1.35E-06	1.74E+04	1.46E-06
158	138	50.00	50000	5.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-05	3.66E-05	3.66E-08	0.00E+00	0.00E+00	1.29E-08	0.00E+00	9.34E-07	5.00E+04	3.03E-03
159	139	50.00	50000	5.88E-05	0.00E+00	6.32E-09	0.00E+00	0.00E+00	5.53E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-08	5.09E-11	1.81E-11	9.25E-11	0.00E+00	1.18E-06	4.16E-06	4.16E-09	1.97E-08	0.00E+00	0.00E+00	0.00E+00	2.30E-06	5.00E+04	3.32E-05
160	140	22.60	22603	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	1.85E-04	1.85E-07	0.00E+00	0.00E+00	2.33E-04	0.00E+00	1.57E-05	2.26E+04	3.30E-04
161	141	29.32	29319	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	1.01E-04	1.01E-07	0.00E+00	0.00E+00	7.53E-13	0.00E+00	3.72E-06	2.93E+04	2.61E-04
162	142	29.32	29319	2.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-04	3.85E-05	3.85E-08	4.01E-07	0.00E+00	0.00E+00	0.00E+00	6.60E-06	2.93E+04	4.53E-05
163	143	32.79	32786	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	2.53E-05	2.53E-08	0.00E+00	0.00E+00	1.18E-06	0.00E+00	3.06E-05	3.28E+04	2.67E-04
164	144	35.63	35629	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	1.63E-05	1.63E-08	0.00E+00	0.00E+00	4.94E-08	0.00E+00	7.42E-06	3.56E+04	9.10E-05
165	145	46.43	46429	2.78E-04	0.00E+00	2.44E-12	0.00E+00	0.00E+00	8.54E-11	0.00E+00	0.00E+00	0.00E+00	9.11E-12	5.44E-18	3.17E-16	1.68E-18	0.00E+00	2.78E-04	6.33E-06	6.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-06	4.64E+04	6.30E-05
166	146	32.79	32786	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	4.41E-05	4.41E-08	0.00E+00	0.00E+00	6.54E-07	0.00E+00	1.64E-05	3.28E+04	2.30E-04
167	147	29.32	29319	8.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-04	8.97E-06	8.97E-09	1.40E-05	0.00E+00	9.71E-05	0.00E+00	1.55E-05	2.93E+04	2.08E-04
168	148	50.00	50000	2.25E-04	0.00E+00	2.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	2.33E-12	8.18E-12	2.30E-11	0.00E+00	2.19E-04	4.07E-06	4.07E-09	2.47E-08	0.00E+00	0.00E+00	0.00E+00	3.07E-06	5.00E+04	5.08E-05
169	149	29.32	29319	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	1.93E-05	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-06	2.93E+04	8.23E-05
170	150	27.58	27576	5.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-04	6.11E-05	6.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-06	2.76E+04	1.28E-04
171	151	24.20	24197	9.28E-04	0.00E+00	6.66E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-09	6.88E-12	4.46E-14	1.50E-13	0.00E+00	9.00E-04	9.46E-05	9.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-05	3.56E+04	2.04E-04
172	152	44.76	44763	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	6.81E-05	6.81E-08	8.82E-10	0.00E+00	2.02E-04	0.00E+00	4.80E-06	4.48E+04	3.87E-04
173	153	40.92	40922	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	1.25E-04	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-06	4.09E+04	6.02E-05
174	154	50.00	50000	2.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-03	2.94E-08	5.44E-08	0.00E+00	2.19E-04	8.39E-05	8.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-06	5.00E+04	1.68E-03
175	155	39.51	39505	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	4.79E-06	4.79E-09	0.00E+00	0.00E+00	1.91E-19	0.00E+00	1.29E-05	3.95E+04	3.41E-05
176	156	38.82	38821	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	4.49E-05	4.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-06	3.88E+04	2.95E-04
177	157	32.26	32255	8.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04	2.04E-04	2.04E-07	0.00E+00	0.00E+00	2.52E-11	0.00E+00	2.50E-06	3.23E+04	1.99E-04
178	158	50.00	50000	1.88E-02	0.00E+00	2.97E-18	0.00E+00	0.00E+00	1.87E-02	0.00E+00	0.00E+00	0.00E+00	1.10E-17	5.00E-23	2.64E-22	0.00E+00	0.00E+00	8.58E-05	8.17E-05	8.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-06	5.00E+04	1.11E-02
179	159	43.17	43173	2.05E-02	0.00E+00	3.28E-09	0.00E+00	0.00E+00	2.03E-02	0.00E+00	0.00E+00	0.00E+00	1.24E-08	1.57E-12	1.89E-12	6.49E-12	0.00E+00	2.01E-04	6.49E-04	6.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-06	4.32E+04	1.20E-02
180	160	34.45	34452	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	7.80E-05	7.80E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-06	3.45E+04	2.62E-04
181	161	32.26	32255	8.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-04	2.45E-05	2.45E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.96E-06	3.23E+04	1.42E-04
182	162	27.17	27165	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.31E-05	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-06	2.72E+04	2.51E-04
183	163	27.58	27576	4.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-04	3.18E-05	3.18E-08	4.96E-07	0.00E+00	8.27E-07	0.00E+00	2.81E-06	2.76E+04	1.12E-04
184	164	33.88	33884	5.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.89E-04	4.46E-05	4.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	3.39E+04	1.35E-04
185	165	33.88	33884	5.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-04	7.02E-05	7.02E-08	0.00E+00	0.00E+00	1.72E-05	0.00E+00	5.30E-06	3.39E+04	1.22E-04
186	166	40.92	40922	7.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-04	4.62E-05	4.62E-08	0.00E+00	0.00E+00	5.69E-05	0.00E+00	3.71E-06	4.09E+04	1.86E-04
187	167	35.63	35629	6.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04	1.99E-04	1.99E-07	0.00E+00	0.00E+00	6.32E-05	0.00E+00	5.46E-06	3.56E+04	1.54E-04
188	168	44.76	44763	5.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-05	2.99E-04	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-06	4.48E+04	1.23E-05
189	169	38.82	38821	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	1.02E-05	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	3.88E+04	1.14E-04
190	170	25.99	25987	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	1.62E-04	1.62E-07	0.00E+00	0.00E+00	2.15E-10	0.00E+00	9.42E-06	2.60E+04	3.63E-04
191	171	47.29	47291	8.37E-04	0.00E+00	3.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-08	1.38E-10	9.52E-12	2.09E-11	0.00E+00	8.31E-04	6.25E-05	6.25E-08	8.53E-08	0.00E+00	1.44E-07	0.00E+00	6.45E-06	4.73E+04	1.90E-04
192	172	24.20	24197	8.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-04	3.69E-05	3.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-06	2.42E+04	1.93E-04
193	173	30.74	30736	6.01E-04	0.00E+00	1.06E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-14	1.25E-19	2.42E-19	4.46E-19	0.00E+00	5.92E-04	4.43E-05	4.43E-08	0.00E+00	0.00E+00	1.84E-08	0.00E+00	6.94E-06	3.07E+04	1.36E-04
194	174	29.78	29780	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	5.15E-05	5.15E-08	0.00E+00	0.00E+00	9.88E-08	0.00E+00	3.71E-05	2.98E+04	3.36E-04
195	175	25.99	25987	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	2.12E-05	2.12E-08	4.20E-08	0.00E+00	0.00E+00	0.00E+00	1.09E-05	2.60E+04	9.35E-05
196	176	40.92	40922	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-04	3.48E-06	3.48E-09	5.17E-08	0.00E+00	5.16E-05	0.00E+00	6.31E-06	4.09E+04	7.08E-05
197	177	43.96	43959	4.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-04	3.62E-05	3.62E-08	1.56E-08	0.00E+00	0.00E+00	0.00E+00	1.64E-06	4.40E+04	1.12E-04
198	178	27.58	27576	9.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-04	1.04E-04	1.04E-07	0.00E+00	0.00E+00	1.36E-10	0.00E+00	2.93E-06	2.76E+04	2.10E-04
199	179	30.74	30736	7.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-04	5.91E-05	5.91E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-05	3.07E+04	1.63E-04
200	180	31.74	31737	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	1.53E-05	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-06	3.17E+04	8.57E-05
201	181	39.51	39505	4.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.67E-04	2.65E-04	2.65E-07	4.88E-08	0.00E+00	2.20E-05	0.00E+00	1.16E-06	3.95E+04	1.16E-04
202	182	32.79	32786	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-04	1.13E-04	1.13E-07	4.09E-08	0.00E+00	5.90E-05	0.00E+00	3.00E-06	3.28E+04	2.36E-04
203	183	22.31	22306	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	3.16E-05	3.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-06	2.23E+04	1.10E-04
204	184	42.41	42405	8.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-04	1.09E-04	1.09E-07	0.00E+00	0.00E+00	6.16E-05	0.00E+00	2.72E-06	4.24E+04	1.94E-04
205	185	35.63	35629	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	8.42E-05	8.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-06	3.56E+04	7.84E-05
206	186	50.00	50000	2.30E-02	0.00E+00	2.34E-08	0.00E+00	0.00E+00	2.29E-02	0.00E+00	0.00E+00	0.00E+00	8.68E-08	1.22E-09	5.96E-10	6.60E-10	0.00E+00	9.88E-05	9.62E-05	9.62E-08	4.87E-08	0.00E+00	2.80E-09	0.00E+00	1.15E-06	5.00E+04	1.36E-02
207	187	29.32	29319	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	1.93E-05	1.93E-08	0.00E+00	0.00E+00	2.45E-12	0.00E+00	7.64E-06	2.93E+04	9.12E-05
208	188	45.59	45586	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	1.34E-04	1.34E-07	0.00E+00	0.00E+00	1.11E-11	0.00E+00	2.08E-06	4.56E+04	4.19E-04
209	189	37.50	37500	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03	2.35E-04	2.35E-07	0.00E+00	0.00E+00	1.02E-04	0.00E+00	8.99E-06	2.76E+04	4.02E-04
210	190	25.61	25612	9.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-04	9.03E-05	9.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-06	2.56E+04	2.20E-04
211	191	32.79	32786	8.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-04	7.54E-05	7.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-06	3.28E+04	1.68E-04
212	192	22.60	22603	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	3.09E-05	3.09E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.67E-06	2.26E+04	2.82E-04
213	193	45.59	45586	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	6.56E-05	6.56E-08	1.28E-08	0.00E+00	0.00E+00	0.00E+00	1.70E-05	4.56E+04	3.01E-04
214	194	50.00	50000	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	9.58E-05	9.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-06	5.00E+04	8.33E-05
215	195	22.60	22603	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	4.07E-05	4.07E-08	0.00E+00	0.00E+00	4.13E-08	0.00E+00	8.87E-06	2.26E+04	1.13E-04
216	196	29.32	29319	7.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-04	1.76E-05	1.76E-08	0.00E+00	0.00E+00	8.48E-08	0.00E+00	4.95E-06	2.93E+04	1.69E-04
217	197	30.74	30736	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	8.47E-05	8.47E-08	0.00E+00	0.00E+00	1.67E-13	0.00E+00	2.50E-05	3.07E+04	2.97E-04
218	198	50.00	50000	1.56E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	7.27E-05	7.27E-08	5.54E-08	0.00E+00	4.74E-17	0.00E+00	1.39E-06	5.00E+04	9.19E-03
219	199	18.38	18375	5.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-04	1.52E-05	1.52E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-05	1.84E+04	1.28E-04
220	200	37.50	37500	6.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-04	2.68E-05	2.68E-08	1.06E-05	0.00E+00	0.00E+00	0.00E+00	2.07E-06	3.75E+04	1.54E-04
221	201	32.79	32786	6.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-04	2.07E-05	2.07E-08	0.00E+00	0.00E+00	3.26E-05	0.00E+00	2.38E-06	3.28E+04	1.44E-04
222	202	36.24	36238	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	9.16E-05	9.16E-08	1.26E-08	0.00E+00	0.00E+00	0.00E+00	4.87E-07	3.62E+04	5.99E-05
223	203	50.00	50000	4.57E-03	0.00E+00	6.29E-07	0.00E+00	0.00E+00	4.40E-03	0.00E+00	0.00E+00	0.00E+00	2.34E-08	3.66E-10	2.94E-10	2.09E-10	0.00E+00	1.25E-04	2.60E-05	2.60E-08	0.00E+00	0.00E+00	4.61E-06	0.00E+00	1.48E-06	5.00E+04	2.65E-03
224	204	40.92	40922	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	1.70E-04	1.70E-07	0.00E+00	0.00E+00	1.09E-04	0.00E+00	2.87E-06	4.09E+04	8.73E-05
225	205	22.60	22603	6.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04	1.77E-05	1.77E-08	0.00E+00	0.00E+00	1.10E-04	0.00E+00	1.37E-05	2.26E+04	1.71E-04
226	206	32.26	32255	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	7.20E-05	7.20E-08	4.09E-18	0.00E+00	0.00E+00	0.00E+00	3.83E-06	3.23E+04	7.60E-05
227	207	24.20	24197	9.52E-04	0.00E+00	2.58E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-13	9.39E-18	3.22E-19	2.28E-18	0.00E+00	9.26E-04	4.39E-05	4.39E-08	2.83E-08	0.00E+00	2.40E-06	0.00E+00	2.35E-05	2.42E+04	2.14E-04
228	208	19.92	19918	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.90E-06	2.90E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-05	1.99E+04	2.51E-04
229	209	27.58	27576	9.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-04	2.45E-05	2.45E-08	2.99E-18	0.00E+00	0.00E+00	0.00E+00	2.86E-05	2.76E+04	2.09E-04
230	210	32.26	32255	8.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-04	1.44E-04	1.44E-07	0.00E+00	0.00E+00	3.48E-05	0.00E+00	3.81E-06	3.23E+04	1.87E-04
231	211	32.26	32255	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	1.61E-05	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-06	3.23E+04	1.07E-04
232	212	50.00	50000	2.64E-02	0.00E+00	2.76E-09	0.00E+00	0.00E+00	2.64E-02	0.00E+00	0.00E+00	0.00E+00	1.03E-08	7.05E-14	6.56E-13	1.94E-12	0.00E+00	1.11E-04	1.72E-04	1.72E-07	4.62E-08	0.00E+00	0.00E+00	0.00E+00	1.36E-06	5.00E+04	1.57E-02
233	213	18.58	18581	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.87E-05	1.87E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-05	1.86E+04	2.41E-04
234	214	29.32	29319	2.15E-02	0.00E+00	2.24E-08	0.00E+00	0.00E+00	2.12E-02	0.00E+00	0.00E+00	0.00E+00	8.95E-06	3.69E-11	1.64E-10	7.76E-10	0.00E+00	2.63E-04	8.81E-06	8.81E-09	0.00E+00	0.00E+00	1.62E-08	0.00E+00	1.90E-06	2.93E+04	1.26E-02
235	215	22.31	22306	8.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.07E-04	1.20E-04	1.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-05	2.23E+04	1.85E-04
236	216	37.50	37500	8.01E-04	0.00E+00	2.21E-15	0.00E+00	0.00E+00	2.46E-07	0.00E+00	0.00E+00	0.00E+00	8.45E-15	6.64E-19	2.40E-19	4.42E-19	0.00E+00	7.97E-04	1.05E-04	1.05E-07	0.00E+00	0.00E+00	9.64E-07	0.00E+00	2.43E-06	3.75E+04	1.82E-04
237	217	40.92	40922	6.18E-04	0.00E+00	7.55E-11	0.00E+00	0.00E+00	4.24E-08	0.00E+00	0.00E+00	0.00E+00	2.87E-10	3.77E-14	3.21E-14	9.73E-14	0.00E+00	8.02E-04	1.93E-05	1.93E-08	1.21E-08	0.00E+00	0.00E+00	0.00E+00	1.04E-05	4.09E+04	1.41E-04
238	218	40.21	40205	7.25E-04	0.00E+00	3.55E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-08	8.18E-11	6.90E-11	2.07E-10	0.00E+00	6.94E-04	2.76E-05	2.76E-08	0.00E+00	0.00E+00	2.89E-05	0.00E+00	2.41E-06	4.02E+04	1.69E-04
239	219	40.92	40922	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	2.09E-04	2.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-06	4.09E+04	2.92E-05
240	220	20.66	20659	3.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	7.32E-05	7.32E-08	2.64E-08	0.00E+00	6.17E-07	0.00E+00	5.09E-06	2.07E+04	7.84E-05
241	221	19.23	19226	6.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-04	1.90E-05	1.90E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-05	1.92E+04	1.43E-04
242	222	35.63	35629	7.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-04	4.13E-05	4.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.26E-06	3.56E+04	1.76E-04
243	223	27.17	27165	7.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-04	1.90E-04	1.90E-07	2.07E-07	0.00E+00	0.00E+00	0.00E+00	3.76E-06	2.72E+04	1.79E-04
244	224	34.45	34452	5.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-04	5.71E-05	5.71E-08	6.00E-15	0.00E+00	0.00E+00	0.00E+00	3.41E-06	3.45E+04	1.21E-04
245	225	25.99	25987	5.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-04	6.66E-05	6.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-06	2.60E+04	1.28E-04
246	226	32.79	32786	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.87E-04	4.31E-06	4.31E-09	8.58E-08	0.00E+00	4.70E-05	0.00E+00	4.11E-06	3.28E+04	2.42E-04
247	227	30.74	30736	4.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04	1.27E-04	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-06	3.07E+04	9.54E-05
248	228	25.61	25612	5.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-04	4.47E-05	4.47E-08	1.33E-07	0.00E+00	0.00E+00	0.00E+00	8.92E-06	3.45E+04	1.22E-04
249	229	33.88	33884	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	9.32E-05	9.32E-08	1.17E-17	0.00E+00	2.62E-05	0.00E+00	1.09E-05	3.45E+04	2.73E-04
250	230	32.79	32786	4.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	2.81E-05	2.81E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-06	3.28E+04	1.12E-04
251	231	29.32	29319	5.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-04	1.81E-04	1.81E-07	5.89E-08	0.00E+00	6.71E-06	0.00E+00	5.59E-06	2.93E+04	1.25E-04
252	232	42.41	42405	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.41E-04	1.18E-05	1.18E-08	0.00E+00	0.00E+00	2.95E-05	0.00E+00	2.37E-06	4.24E+04	1.11E-04
253	233	25.99	25987	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.11E-04	6.78E-05	6.78E-08	7.89E-08	0.00E+00	2.79E-06	0.00E+00	2.59E-06	2.60E+04	1.19E-04
254	234	37.50	37500	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	3.09E-06	3.09E-09	8.40E-07	0.00E+00	0.00E+00	0.00E+00	5.57E-06	3.75E+04	6.37E-05
255	235	30.74	30736	5.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-04	4.07E-05	4.07E-08	0.00E+00	0.00E+00	5.77E-08	0.00E+00	2.06E-06	3.07E+04	1.32E-04
256	236	36.24	36238	7.06E-04	0.00E+00	3.67E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-04	1.25E-04	1.25E-07	0.00E+00	0.00E+00	8.29E-05	0.00E+00	1.95E-06	3.62E+04	1.72E-04
257	237	24.20	24197	6.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-04	1.45E-04	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.30E-06	2.42E+04	1.18E-04
258	238	34.45	34452	4.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	2.00E-05	2.00E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-06	3.45E+04	9.70E-05
259	239	34.45	34452	2.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-03	2.12E-04	2.12E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-06	3.45E+04	4.63E-04
260	240	20.66	20659	7.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-04	4.24E-04	4.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-06	2.07E+04	1.65E-04
261	241	32.26	32255	5.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.56E-04	9.87E-06	9.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-06	3.23E+04	1.27E-04
262	242	45.59	45586	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04	4.70E-05	4.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-06	4.56E+04	9.51E-05
263	243	29.32	29319	4.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.76E-04	1.62E-05	1.62E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-06	2.93E+04	1.09E-04
264	244	28.87	28868	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03	2.63E-04	2.63E-07	2.22E-06	0.00E+00	0.00E+00	0.00E+00	5.20E-06	2.93E+04	3.61E-04
265	245	50.00	50000	4.95E-02	0.00E+00	1.90E-12	0.00E+00	0.00E+00	4.92E-02	0.00E+00	0.00E+00	0.00E+00	7.04E-12	4.75E-15	3.72E-16	3.11E-15	0.00E+00	2.63E-04	1.52E-04	1.52E-07	0.00E+00	0.00E+00	4.40E-05	0.00E+00	3.28E-06	5.00E+04	2.92E-02
266	246	50.00	50000	3.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	6.27E-05	6.27E-08	0.00E+00	0.00E+00	1.36E-05	0.00E+00	1.87E-06	5.00E+04	2.27E-03
267	247	37.50	37500	4.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-05	8.54E-05	8.54E-08	6.72E-07	0.00E+00	0.00E+00	0.00E+00	1.10E-06	3.75E+04	2.98E-03
268	248	50.00	50000	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	4.98E-06	4.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-06	5.00E+04	7.23E-05
269	249	45.59	45586	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04	9.50E-05	9.50E-08	0.00E+00	0.00E+00	4.51E-12	0.00E+00	1.02E-06	4.56E+04	9.01E-05
270	250	50.00	50000	8.62E-03	0.00E+00	7.64E-08	0.00E+00	0.00E+00	8.67E-03	0.00E+00	0.00E+00	0.00E+00	2.80E-05	4.63E-11	5.47E-10	1.61E-09	0.00E+00	1.08E-04	1.20E-03	1.20E-06	6.13E-08	0.00E+00	3.76E-16	0.00E+00	1.65E-06	5.00E+04	6.18E-03

DBI [signature]

Base Case + Lower Tc-99 solubility - Sorted by Tc dose, low-high 1 of 3

3/3/00
DBI

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
1	Min		16.56	16564.00	3.149E-06	3.149E-03	1.180E-07	1.180E-10	1.689E+04	4.550E-07	1.288E-05										
2	Max		50.00	50000.00	6.697E-02	6.697E+01	1.254E-03	1.254E-06	5.000E+04	3.950E-02	1.426E+00										
3	Mean		34.20	34204.49	2.756E-03	2.756E+00	9.691E-05	9.691E-08	3.455E+04	1.403E-03	2.352E-02										
4	Median		32.79	32786.00	7.124E-04	7.124E-01	5.053E-05	5.053E-08	3.279E+04	1.644E-04	6.126E-03										
5	s.d.		9.23	9233.74	7.832E-03	7.832E+00	1.591E-04	1.591E-07	9.319E+03	4.668E-03	1.054E-01										
6							Sorted by										Sorted by				
7	probability	vector	pktime	pktime	pktede	pktede	Tc99de	Tc99de	timedwpk	dmkh20	%pktede from Tc		vector	pktime	pktime	pktede	pktede	Tc99de	Tc99de	timedwpk	dmkh20
8	n/250	unitless	yr/1000	yr	rem/yr	mrem/yr	mrem/yr	rem/yr	yr	rem/yr			unitless	yr/1000	yr	rem/yr	mrem/yr	mrem/yr	rem/yr	yr	rem/yr
9	1.0000	45	27.58	27576	1.23E-05	1.23E-02	1.18E-07	1.18E-10	2.76E+04	2.78E-06	0.00		39	50.00	50000	3.15E-06	3.15E-03	1.16E-06	1.16E-09	5.00E+04	4.55E-07
10	0.9960	137	17.42	17417	6.41E-06	6.41E-03	7.19E-07	7.19E-10	1.74E+04	1.46E-06	0.01		137	17.42	17417	6.41E-06	6.41E-03	7.19E-07	7.19E-10	1.74E+04	1.46E-06
11	0.9920	20	50.00	50000	7.57E-04	7.57E-01	1.00E-06	1.00E-09	5.00E+04	4.47E-04	0.00		45	27.58	27576	1.23E-05	1.23E-02	1.18E-07	1.18E-10	2.76E+04	2.78E-06
12	0.9880	39	50.00	50000	3.15E-06	3.15E-03	1.16E-06	1.16E-09	5.00E+04	4.55E-07	0.04		23	50.00	50000	4.74E-05	4.74E-02	6.76E-04	6.76E-07	5.00E+04	1.09E-05
13	0.9840	34	50.00	50000	2.29E-02	2.29E+01	2.95E-06	2.95E-09	5.00E+04	1.34E-02	0.00		168	44.76	44763	5.46E-05	5.46E-02	2.99E-04	2.99E-07	4.48E+04	1.23E-05
14	0.9800	234	37.50	37500	2.83E-04	2.83E-01	3.09E-06	3.09E-09	3.75E+04	6.37E-05	0.00		139	50.00	50000	5.88E-05	5.88E-02	4.16E-06	4.16E-09	5.00E+04	3.32E-05
15	0.9760	176	40.92	40922	2.84E-04	2.84E-01	3.48E-06	3.48E-09	4.09E+04	7.08E-05	0.00		219	40.92	40922	1.29E-04	1.29E-01	2.09E-04	2.09E-07	4.09E+04	2.92E-05
16	0.9720	148	50.00	50000	2.25E-04	2.25E-01	4.07E-06	4.07E-09	5.00E+04	5.08E-05	0.00		63	33.88	33884	1.46E-04	1.46E-01	1.06E-04	1.06E-07	3.39E+04	3.32E-05
17	0.9680	32	35.63	35629	4.88E-04	4.88E-01	4.13E-06	4.13E-09	3.56E+04	1.10E-04	0.00		50	40.92	40922	1.51E-04	1.51E-01	8.34E-06	8.34E-09	4.09E+04	3.42E-05
18	0.9640	139	50.00	50000	5.88E-05	5.88E-02	4.16E-06	4.16E-09	5.00E+04	3.32E-05	0.01		6	32.79	32786	1.57E-04	1.57E-01	1.30E-04	1.30E-07	3.28E+04	3.88E-05
19	0.9600	155	39.51	39505	1.58E-04	1.58E-01	4.79E-06	4.79E-09	3.95E+04	3.41E-05	0.00		155	39.51	39505	1.58E-04	1.58E-01	4.79E-06	4.79E-09	3.95E+04	3.41E-05
20	0.9560	248	50.00	50000	3.18E-04	3.18E-01	4.98E-06	4.98E-09	5.00E+04	7.23E-05	0.00		17	32.26	32255	1.72E-04	1.72E-01	1.92E-04	1.92E-07	3.23E+04	3.87E-05
21	0.9520	145	46.43	46429	2.78E-04	2.78E-01	6.33E-06	6.33E-09	4.64E+04	6.30E-05	0.00		121	30.74	30736	1.87E-04	1.87E-01	1.25E-04	1.25E-07	3.07E+04	4.26E-05
22	0.9480	82	27.17	27165	5.07E-04	5.07E-01	6.44E-06	6.44E-09	2.72E+04	1.13E-04	0.00		142	29.32	29319	2.03E-04	2.03E-01	3.85E-05	3.85E-08	2.93E+04	4.53E-05
23	0.9440	11	50.00	50000	6.06E-03	6.06E+00	7.92E-06	7.92E-09	5.00E+04	3.54E-03	0.00		148	50.00	50000	2.25E-04	2.25E-01	4.07E-06	4.07E-09	5.00E+04	5.08E-05
24	0.9400	90	42.41	42405	3.72E-04	3.72E-01	8.11E-06	8.11E-09	4.24E+04	8.94E-05	0.00		49	43.96	43959	2.31E-04	2.31E-01	5.34E-05	5.34E-08	4.40E+04	5.36E-05
25	0.9360	50	40.92	40922	1.51E-04	1.51E-01	8.34E-06	8.34E-09	4.09E+04	3.42E-05	0.01		7	34.45	34452	2.32E-04	2.32E-01	8.64E-06	8.64E-09	3.45E+04	5.24E-05
26	0.9320	7	34.45	34452	2.32E-04	2.32E-01	8.64E-06	8.64E-09	3.45E+04	5.24E-05	0.00		13	43.96	43959	2.35E-04	2.35E-01	1.25E-03	1.25E-06	4.40E+04	5.79E-05
27	0.9280	147	29.32	29319	8.66E-04	8.66E-01	8.97E-06	8.97E-09	2.93E+04	2.08E-04	0.00		47	24.20	24197	2.38E-04	2.38E-01	3.95E-05	3.95E-08	2.42E+04	5.79E-05
28	0.9240	31	30.74	30736	7.83E-04	7.83E-01	9.27E-06	9.27E-09	3.07E+04	1.76E-04	0.00		97	50.00	50000	2.39E-04	2.39E-01	1.35E-04	1.35E-07	5.00E+04	6.52E-05
29	0.9200	129	35.63	35629	4.12E-04	4.12E-01	9.73E-06	9.73E-09	3.56E+04	9.35E-05	0.00		48	37.50	37500	2.52E-04	2.52E-01	2.19E-04	2.19E-07	3.75E+04	5.72E-05
30	0.9160	241	32.26	32255	5.60E-04	5.60E-01	9.87E-06	9.87E-09	3.23E+04	1.27E-04	0.00		202	36.24	36238	2.63E-04	2.63E-01	9.16E-05	9.16E-08	3.62E+04	5.99E-05
31	0.9120	169	38.82	38821	5.10E-04	5.10E-01	1.02E-05	1.02E-08	3.88E+04	1.14E-04	0.00		55	44.76	44763	2.64E-04	2.64E-01	1.09E-03	1.09E-06	5.00E+04	6.51E-05
32	0.9080	232	42.41	42405	4.73E-04	4.73E-01	1.18E-05	1.18E-08	4.24E+04	1.11E-04	0.00		153	40.92	40922	2.65E-04	2.65E-01	1.25E-04	1.25E-07	4.09E+04	6.02E-05
33	0.9040	106	37.50	37500	5.04E-04	5.04E-01	1.20E-05	1.20E-08	3.75E+04	1.24E-04	0.00		145	46.43	46429	2.78E-04	2.78E-01	6.33E-06	6.33E-09	4.64E+04	6.30E-05
34	0.9000	67	33.88	33884	4.81E-04	4.81E-01	1.24E-05	1.24E-08	3.39E+04	1.19E-04	0.00		25	50.00	50000	2.79E-04	2.79E-01	2.56E-05	2.56E-08	5.00E+04	6.18E-05
35	0.8960	44	28.87	28868	6.57E-04	6.57E-01	1.32E-05	1.32E-08	2.89E+04	1.47E-04	0.00		234	37.50	37500	2.83E-04	2.83E-01	3.09E-06	3.09E-09	3.75E+04	6.37E-05
36	0.8920	4	25.61	25612	5.32E-04	5.32E-01	1.34E-05	1.34E-08	2.56E+04	1.20E-04	0.00		176	40.92	40922	2.84E-04	2.84E-01	3.48E-06	3.48E-09	4.09E+04	7.08E-05
37	0.8880	77	29.32	29319	4.67E-04	4.67E-01	1.43E-05	1.43E-08	2.93E+04	1.04E-04	0.00		14	40.92	40922	3.09E-04	3.09E-01	1.06E-04	1.06E-07	4.09E+04	6.94E-05
38	0.8840	52	50.00	50000	2.04E-03	2.04E+00	1.45E-05	1.45E-08	5.00E+04	1.17E-03	0.00		84	40.92	40922	3.17E-04	3.17E-01	2.20E-05	2.20E-08	4.09E+04	7.57E-05
39	0.8800	102	40.92	40922	4.07E-04	4.07E-01	1.46E-05	1.46E-08	4.09E+04	9.74E-05	0.00		248	50.00	50000	3.18E-04	3.18E-01	4.98E-06	4.98E-09	5.00E+04	7.23E-05
40	0.8760	199	18.38	18375	5.71E-04	5.71E-01	1.52E-05	1.52E-08	1.84E+04	1.28E-04	0.00		92	49.08	49076	3.27E-04	3.27E-01	2.08E-05	2.08E-08	4.91E+04	7.22E-05
41	0.8720	113	32.26	32255	5.37E-04	5.37E-01	1.53E-05	1.53E-08	3.23E+04	1.20E-04	0.00		206	32.26	32255	3.36E-04	3.36E-01	7.20E-05	7.20E-08	3.23E+04	7.60E-05
42	0.8680	180	31.74	31737	3.83E-04	3.83E-01	1.53E-05	1.53E-08	3.17E+04	8.57E-05	0.00		124	24.20	24197	3.37E-04	3.37E-01	2.34E-04	2.34E-07	2.42E+04	7.60E-05
43	0.8640	59	29.32	29319	4.73E-04	4.73E-01	1.57E-05	1.57E-08	2.93E+04	1.06E-04	0.00		185	35.63	35629	3.45E-04	3.45E-01	8.42E-05	8.42E-08	3.56E+04	7.84E-05
44	0.8600	211	32.26	32255	4.72E-04	4.72E-01	1.61E-05	1.61E-08	3.23E+04	1.07E-04	0.00		220	20.66	20659	3.47E-04	3.47E-01	7.32E-05	7.32E-08	2.07E+04	7.84E-05
45	0.8560	243	29.32	29319	4.79E-04	4.79E-01	1.62E-05	1.62E-08	2.93E+04	1.09E-04	0.00		27	19.23	19226	3.56E-04	3.56E-01	4.17E-05	4.17E-08	1.92E+04	8.01E-05
46	0.8520	144	35.63	35629	4.05E-04	4.05E-01	1.63E-05	1.63E-08	3.56E+04	9.10E-05	0.00		149	29.32	29319	3.63E-04	3.63E-01	1.93E-05	1.93E-08	2.93E+04	8.23E-05
47	0.8480	117	27.58	27576	4.78E-04	4.78E-01	1.69E-05	1.69E-08	2.76E+04	1.08E-04	0.00		194	50.00	50000	3.66E-04	3.66E-01	9.58E-05	9.58E-08	5.00E+04	8.33E-05
48	0.8440	33	27.17	27165	6.82E-04	6.82E-01	1.73E-05	1.73E-08	2.72E+04	1.54E-04	0.00		90	42.41	42405	3.72E-04	3.72E-01	8.11E-06	8.11E-09	4.24E+04	8.94E-05
49	0.8400	196	29.32	29319	7.07E-04	7.07E-01	1.76E-05	1.76E-08	2.93E+04	1.69E-04	0.00		180	31.74	31737	3.83E-04	3.83E-01	1.53E-05	1.53E-08	3.17E+04	8.57E-05
50	0.8360	18	50.00	50000	4.13E-04	4.13E-01	1.77E-05	1.77E-08	5.00E+04	9.34E-05	0.00		204	40.92	40922	3.85E-04	3.85E-01	1.70E-04	1.70E-07	4.09E+04	8.73E-05
51	0.8320	205	22.60	22603	6.95E-04	6.95E-01	1.77E-05	1.77E-08	2.26E+04	1.71E-04	0.00		249	45.59	45586	3.96E-04	3.96E-01	9.50E-05	9.50E-08	4.56E+04	9.01E-05
52	0.8280	118	22.91	22907	1.11E-03	1.11E+00	1.78E-05	1.78E-08	2.32E+04	2.75E-04	0.00		58	30.74	30736	4.03E-04	4.03E-01	1.85E-05	1.85E-08	3.07E+04	9.48E-05
53	0.8240	105	50.00	50000	1.91E-02	1.91E+01	1.81E-05	1.81E-08	5.00E+04	1.13E-02	0.00		134	24.20	24197	4.04E-04	4.04E-01	3.83E-05	3.83E-08	2.42E+04	9.09E-05
54	0.8200	58	30.74	30736	4.03E-04	4.03E-01	1.85E-05	1.85E-08	3.07E+04	9.48E-05	0.00		144	35.63	35629	4.05E-04	4.05E-01	1.63E-05	1.63E-08	3.56E+04	9.10E-05
55	0.8160	96	37.50	37500	6.85E-04	6.85E-01	1.87E-05	1.87E-08	3.75E+04	1.53E-04	0.00		187	29.32	29319	4.05E-04	4.05E-01	1.93E-05	1.93E-08	2.93E+04	9.12E-05
56	0.8120	213	18.58	18581	1.08E-03	1.08E+00	1.87E-05	1.87E-08	1.86E+04	2.41E-04	0.00		102	40.92	40922	4.07E-04	4.07E-01	1.46E-05	1.46E-08	4.09E+04	9.74E-05
57	0.8080	221	19.23	19226	6.39E-04	6.39E-01	1.90E-05	1.90E-08	1.92E+04	1.43E-04	0.00		129	35.63	35629	4.12E-04	4.12E-01	9.73E-06	9.73E-09	3.56E+04	9.35E-05
58	0.8040	149	29.32	29319	3.63E-04	3.63E-01	1.93E-05	1.93E-08	2.93E+04	8.23E-05	0.01		18	50.00	50000	4.13E-04	4.13E-01	1.77E-05	1.77E-08	5.00E+04	9.34E-05
59	0.8000	187	29.32	29319	4.05E-04	4.05E-01	1.93E-05	1.93E-08	2.93E+04	9.12E-05	0.00		123	30.74	30736	4.16E-04	4.16E-01	4.62E-05	4.62E-08	3.07E+04	9.45E-05
60	0.7960	217	40.92	40922	6.18E-04	6.18E-01	1.93E-05	1.93E-08	4.09E+04	1.41E-04	0.00		175	25.99	25987	4.18E-04	4.18E-01	2.12E-05	2.12E-08	2.60E+04	9.35E-05
61	0.7920	238	34.45	34452	4.28E-04	4.28E-01	2.00E-05	2.00E-08	3.45E+04	9.70E-05	0.00		242	45.59	45586	4.18E-04	4.18E-01	4.70E-05	4.70E-08	4.56E+04	9.51E-05
62	0.7880	201	32.79	32786	6.14E-04	6.14E-01	2.07E-05	2.07E-08	3.28E+04	1.44E-04	0.00		135	30.74	30736	4.18E-04	4.18E-01	1.47E-04	1.47E-07	3.07E+04	9.72E-05
63	0.7840	92	49.08	49076	3.27E-04	3.27E-01	2.08E-05	2.08E-08	4.91E+04	7.22E-05	0.01		227	30.74	30736	4.23E-04	4.23E-01	1.27E-04	1.27E-07	3.07E+04	9.54E-05
64	0.7800	35	25.99	25987	4.32E-04	4.32E-01	2.09E-05	2.09E-08	2.60E+04	1.07E-04	0.00		132	40.92	40922	4.23E-04	4.23E-01	2.77E-05	2.77E-08	5.00E+04	1.08E-04
65	0.7760	175	25.99	25987	4.18E-04	4.18E-01	2.12E-05	2.12E-08	2.60E+04	9.35E-05	0.01		238	34.45	34452	4.28E-04	4.28E-01	2.00E-05	2.00E-08	3.45E+04	9.70E-05
66	0.7720	84	40.92	40922	3.17E-04	3.17E-01	2.20E-05	2.20E-08	4.09E+04	7.57E-05	0.01		35	25.99	25987	4.32E-04	4.32E-01	2.09E-05	2.09E-08	2.60E+04	1.07E-04
67	0.7680	53	30.74	30736	8.46E-04	8.46E-01	2.29E-05	2.29E-08	3.07E+04	1.92E-04	0.00		51	30.74	30736	4.65E-04	4.65E-01	1.42E-04	1.42E-07	3.07E+04	1.11E-04
68	0.7640	162	27.17	27165	1.13E-03	1.13E+00	2.31E-05	2.31E-08	2.72E+04	2.51E-04	0.00		77	29.32	29319	4.67E-04	4.67E-01	1.43E-05	1.43E-08	2.93E+04	1.04E-04
69	0.7600	91	50.00	50000	8.39E-04	8.39E-01	2.37E-05	2.37E-08	5.00E+04	4.47E-04	0.00		211	32.26	32255	4.72E-04	4.72E-01	1.61E-05	1.61E-08	3.23E+04	1.07E-04
70	0.7560	36	19.23	19226	6.78E-04	6.78E-01	2.44E-05	2.44E-08	1.92E+04	1.52E-04	0.00		232	42.41	42405	4.73E-04	4.73E-01	1.18E-05	1.18E-08	4.24E+04	1.11E-04
71	0.7520	209	27.58	27576	9.36E-04	9.36E-01	2.45E-05	2.45E-08	2.76E+04	2.09E-04	0.00		59	29.32	29319	4.73E-04	4.73E-01	1.57E-05	1.57E-08	2.93E+04	1.06E-04
72	0.7480	115	24.20	24197	5.24E-04	5.24E-01	2.45E-05	2.45E-08	5.00E+04	1.79E-04	0.00		1	34.45	34452	4.74E-04	4.74E-01	4.28E-05	4.28E-08	3.45E+04	1.06E-04
73	0.7440	161	32.26	32255	6.27E-04	6.27E-01	2.45E-05	2.45E-08	3.23E+04	1.42E-04	0.00		117	27.58	27576	4.78E-04	4.78E-01	1.69E-05	1.69E-08	2.76E+04	1.08E-04
74	0.7400	69	37.50	37500	5.01E-04	5.01E-01	2.46E-05	2.46E-08	4.40E+04	1.13E-04	0.00		243	29.32	29319	4.79E-04	4.79E-01	1.62E-05	1.62E-08	2.93E+04	1.09E-04
75	0.7360	143	32.79	32786	1.19E-03	1.19E+00	2.53E-05	2.53E-08	3.28E+04	2.67E-04	0.00		67	33.88	33884	4.81E-04	4.81E-01	1.24E-05	1.24E-08	3.39E+04	1.19E-04
76	0.7320	93	25.99	25987	8.93E-04	8.93E-01	2.54E-05	2.54E-08	2.60E+04	2.01E-04	0.00		183	22.31	22306	4.87E-04	4.87E-01	3.16E-05	3.16E-08	2.23E+04	1.10E-04
77	0.7280	131	20.92	20918	7.98E-04	7.98E-01	2.55E-05	2.55E-08	2.09E+04	1.77E-04	0.00		32	35.63	35629	4.88E-04	4.88E-01	4.13E-06	4.13E-09	3.56E+04	1.10E-04
78	0.7240	25	50.00	50000	2.79E-04	2.79E-01	2.56E-05	2.56E-08	5.00E+04	6.18E-05	0.01		177	43.96	43959	4.91E-04	4.91E-01	3.62E-05	3.62E-08	4.40E+04	1.12E-04
79	0.7200	203	50.00	50000	4.57E-03	4.57E+00	2.60E-05	2.60E-08	5.00E+04	2.65E-03	0.00		43	22.60	22603	4.91E-04	4.91E-01	1.10E-04	1.10E-07	2.26E+04	1.10E-04
80	0.7160	200	37.50	37500	6.78E-04	6.78E-01	2.68E-05	2.68E-08	3.75E+04	1.54E-04	0.00		163	27.58	27576	4.92E-04	4.92E-01	3.18E-05	3.18E-08	2.76E+04	1.12E-04
81	0.7120	70	39.51	39505	5.89E-04	5.89E-01	2.75E-05	2.75E-08	3.95E+04	1.32E-04	0.00		230	32.79	32786	4.92E-04	4.92E-01	2.81E-05	2.81E-08	3.28E+04	1.12E-04
82	0.7080	218	40.21	40205	7.25E-04	7.25E-01	2.76E-05	2.76E-08	4.02E+04	1.69E-04	0.00		181	39.51	39505	4.95E-04	4.95E-01	2.65E-04	2.65E-07	3.95E+04	1.16E-04
83	0.7040	132	40.92	40922	4.23E-04	4.23E-01	2.77E-05	2.77E-08	5.00E+04	1.08E-04	0.01		101	30.74	30736	4.96E-04	4.96E-01	2.80E-05	2.80E-08	2.42E+04	1.21E-04
84	0.7000	112	28.43	28427	5.70E-04	5.70E-01	2.78E-05	2.78E-08	2.84E+04	1.28E-04	0.00		195	22.60	22603	4.99E-04	4.99E-01	4.07E-05	4.07E-08	2.26E+04	1.13E-04
85	0.6960	101	30.74	30736	4.96E-04	4.96E-01	2.80E-05	2.80E-08	2.42E+04	1.21E-04	0.01		69	37.50	37500	5.01E-04	5.01E-01	2.46E-05	2.46E-08	4.40E+04	1.13E-04
86	0.6920	100	20.41	20406	9.71E-04	9.71E-01	2.81E-05	2.81E-08	2.04E+04	2.33E-04	0.00		106	37.50	37500	5.04E-04	5.04E-01	1.20E-05	1.20E-08	3.75E+04	1.24E-04
87	0.6880	230	32.79	32786	4.92E-04	4.92E-01	2.81E-05	2.81E-08	3.28E+04	1.12E-04	0.01		82	27.17	27165	5.07E-04	5.07E-01	6.44E-06	6.44E-09	2.72E+04	1.13E-04

DBI [signature]

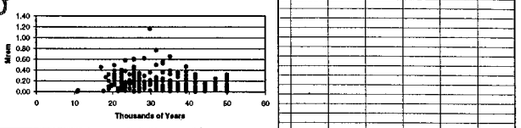
Base Case + Lower Tc-99 solubility - Sorted 2 of 3

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
88	0.6840	208	19.92	19918	1.13E-03	1.13E+00	2.90E-05	2.90E-08	1.99E+04	2.51E-04	0.00		169	38.82	38821	5.10E-04	5.10E-01	1.02E-05	1.02E-08	3.88E+04	1.14E-04
89	0.6800	56	32.26	32255	5.62E-04	5.62E-01	2.93E-05	2.93E-08	3.23E+04	1.26E-04	0.01		237	24.20	24197	5.16E-04	5.16E-01	1.45E-04	1.45E-07	2.42E+04	1.16E-04
90	0.6760	110	37.50	37500	8.10E-04	8.10E-01	2.93E-05	2.93E-08	3.75E+04	1.85E-04	0.00		115	24.20	24197	5.24E-04	5.24E-01	2.45E-05	2.45E-08	5.00E+04	1.79E-04
91	0.6720	109	32.79	32786	7.64E-04	7.64E-01	2.94E-05	2.94E-08	3.28E+04	1.73E-04	0.00		233	25.99	25987	5.24E-04	5.24E-01	6.78E-05	6.78E-08	2.60E+04	1.19E-04
92	0.6680	192	22.60	22603	1.26E-03	1.26E+00	3.09E-05	3.09E-08	2.26E+04	2.82E-04	0.00		165	33.88	33884	5.29E-04	5.29E-01	7.02E-05	7.02E-08	3.39E+04	1.22E-04
93	0.6640	12	28.43	28427	1.21E-03	1.21E+00	3.10E-05	3.10E-08	2.84E+04	2.70E-04	0.00		4	25.61	25612	5.32E-04	5.32E-01	1.34E-05	1.34E-08	2.56E+04	1.20E-04
94	0.6600	183	22.31	22306	4.87E-04	4.87E-01	3.16E-05	3.16E-08	2.23E+04	1.10E-04	0.01		224	34.45	34452	5.33E-04	5.33E-01	5.71E-05	5.71E-08	3.45E+04	1.21E-04
95	0.6560	163	27.58	27576	4.92E-04	4.92E-01	3.18E-05	3.18E-08	2.76E+04	1.12E-04	0.01		113	32.26	32255	5.37E-04	5.37E-01	1.53E-05	1.53E-08	3.23E+04	1.20E-04
96	0.6520	122	42.41	42405	3.76E-02	3.76E+01	3.37E-05	3.37E-08	4.24E+04	2.22E-02	0.00		228	25.61	25612	5.40E-04	5.40E-01	4.47E-05	4.47E-08	3.45E+04	1.22E-04
97	0.6480	22	21.45	21454	7.06E-04	7.06E-01	3.41E-05	3.41E-08	2.15E+04	1.58E-04	0.00		231	29.32	29319	5.47E-04	5.47E-01	1.81E-04	1.81E-07	2.93E+04	1.25E-04
98	0.6440	94	43.96	43959	5.49E-04	5.49E-01	3.51E-05	3.51E-08	4.40E+04	1.25E-04	0.01		94	43.96	43959	5.49E-04	5.49E-01	3.51E-05	3.51E-08	4.40E+04	1.25E-04
99	0.6400	103	24.20	24197	1.10E-03	1.10E+00	3.58E-05	3.58E-08	2.42E+04	2.48E-04	0.00		241	32.26	32255	5.60E-04	5.60E-01	9.87E-06	9.87E-09	3.23E+04	1.27E-04
100	0.6360	177	43.96	43959	4.91E-04	4.91E-01	3.62E-05	3.62E-08	4.40E+04	1.12E-04	0.01		56	32.26	32255	5.62E-04	5.62E-01	2.93E-05	2.93E-08	3.23E+04	1.26E-04
101	0.6320	107	33.88	33884	6.19E-04	6.19E-01	3.65E-05	3.65E-08	3.39E+04	1.40E-04	0.01		150	27.58	27576	5.67E-04	5.67E-01	6.11E-05	6.11E-08	2.76E+04	1.28E-04
102	0.6280	138	50.00	50000	5.17E-03	5.17E+00	3.66E-05	3.66E-08	5.00E+04	3.03E-03	0.00		112	28.43	28427	5.70E-04	5.70E-01	2.78E-05	2.78E-08	2.84E+04	1.28E-04
103	0.6240	95	35.63	35629	7.77E-04	7.77E-01	3.67E-05	3.67E-08	3.56E+04	1.76E-04	0.00		199	18.38	18375	5.71E-04	5.71E-01	1.52E-05	1.52E-08	1.84E+04	1.28E-04
104	0.6200	172	24.20	24197	8.54E-04	8.54E-01	3.69E-05	3.69E-08	2.42E+04	1.93E-04	0.00		225	25.99	25987	5.72E-04	5.72E-01	6.56E-05	6.56E-08	2.60E+04	1.28E-04
105	0.6160	134	24.20	24197	4.04E-04	4.04E-01	3.83E-05	3.83E-08	2.42E+04	9.09E-05	0.01		62	32.79	32786	5.74E-04	5.74E-01	8.97E-05	8.97E-08	3.28E+04	1.30E-04
106	0.6120	142	29.32	29319	2.03E-04	2.03E-01	3.85E-05	3.85E-08	2.93E+04	4.53E-05	0.02		57	34.45	34452	5.77E-04	5.77E-01	1.29E-04	1.29E-07	3.45E+04	1.30E-04
107	0.6080	68	42.41	42405	5.96E-04	5.96E-01	3.86E-05	3.86E-08	4.24E+04	1.35E-04	0.01		235	30.74	30736	5.82E-04	5.82E-01	4.07E-05	4.07E-08	3.07E+04	1.32E-04
108	0.6040	108	18.18	18175	7.85E-04	7.85E-01	3.88E-05	3.88E-08	5.00E+04	2.51E-04	0.00		70	39.51	39505	5.89E-04	5.89E-01	2.75E-05	2.75E-08	3.95E+04	1.32E-04
109	0.6000	47	24.20	24197	2.38E-04	2.38E-01	3.95E-05	3.95E-08	2.42E+04	5.79E-05	0.02		68	42.41	42405	5.96E-04	5.96E-01	3.86E-05	3.86E-08	4.24E+04	1.35E-04
110	0.5960	5	27.58	27576	1.40E-03	1.40E+00	4.04E-05	4.04E-08	2.76E+04	3.15E-04	0.00		164	33.88	33884	5.99E-04	5.99E-01	4.46E-05	4.46E-08	3.39E+04	1.35E-04
111	0.5920	235	30.74	30736	5.82E-04	5.82E-01	4.07E-05	4.07E-08	3.07E+04	1.32E-04	0.01		71	39.51	39505	6.01E-04	6.01E-01	1.40E-04	1.40E-07	3.95E+04	1.41E-04
112	0.5880	195	22.60	22603	4.99E-04	4.99E-01	4.07E-05	4.07E-08	2.26E+04	1.13E-04	0.01		173	30.74	30736	6.01E-04	6.01E-01	4.43E-05	4.43E-08	3.07E+04	1.36E-04
113	0.5840	222	35.63	35629	7.77E-04	7.77E-01	4.13E-05	4.13E-08	3.56E+04	1.76E-04	0.01		80	25.99	25987	6.05E-04	6.05E-01	1.62E-04	1.62E-07	2.60E+04	1.37E-04
114	0.5800	81	30.74	30736	9.38E-04	9.38E-01	4.16E-05	4.16E-08	3.07E+04	2.13E-04	0.00		201	32.79	32786	6.14E-04	6.14E-01	2.07E-05	2.07E-08	3.28E+04	1.44E-04
115	0.5760	27	19.23	19226	3.56E-04	3.56E-01	4.17E-05	4.17E-08	1.92E+04	8.01E-05	0.01		217	40.92	40922	6.18E-04	6.18E-01	1.93E-05	1.93E-08	4.09E+04	1.41E-04
116	0.5720	1	34.45	34452	4.74E-04	4.74E-01	4.28E-05	4.28E-08	3.45E+04	1.06E-04	0.01		107	33.88	33884	6.19E-04	6.19E-01	3.65E-05	3.65E-08	3.39E+04	1.40E-04
117	0.5680	226	32.79	32786	1.04E-03	1.04E+00	4.31E-05	4.31E-08	3.28E+04	2.42E-04	0.00		21	34.45	34452	6.24E-04	6.24E-01	1.05E-04	1.05E-07	3.45E+04	1.42E-04
118	0.5640	16	50.00	50000	2.06E-02	2.06E+01	4.36E-05	4.36E-08	5.00E+04	1.22E-02	0.00		161	32.26	32255	6.27E-04	6.27E-01	2.45E-05	2.45E-08	3.23E+04	1.42E-04
119	0.5600	207	24.20	24197	9.52E-04	9.52E-01	4.39E-05	4.39E-08	2.42E+04	2.14E-04	0.00		10	25.61	25612	6.30E-04	6.30E-01	1.34E-04	1.34E-07	2.56E+04	1.43E-04
120	0.5560	146	32.79	32786	1.02E-03	1.02E+00	4.41E-05	4.41E-08	3.28E+04	2.30E-04	0.00		221	19.23	19226	6.39E-04	6.39E-01	1.90E-05	1.90E-08	1.92E+04	1.43E-04
121	0.5520	173	30.74	30736	6.01E-04	6.01E-01	4.43E-05	4.43E-08	3.07E+04	1.36E-04	0.01		167	35.63	35629	6.41E-04	6.41E-01	1.99E-04	1.99E-07	3.56E+04	1.54E-04
122	0.5480	164	33.88	33884	5.99E-04	5.99E-01	4.46E-05	4.46E-08	3.39E+04	1.35E-04	0.01		44	28.87	28868	6.57E-04	6.57E-01	1.32E-05	1.32E-08	2.89E+04	1.47E-04
123	0.5440	228	25.61	25612	5.40E-04	5.40E-01	4.47E-05	4.47E-08	3.45E+04	1.22E-04	0.01		38	29.32	29319	6.71E-04	6.71E-01	7.18E-05	7.18E-08	2.93E+04	1.53E-04
124	0.5400	156	38.82	38821	1.30E-03	1.30E+00	4.49E-05	4.49E-08	3.88E+04	2.95E-04	0.00		200	37.50	37500	6.78E-04	6.78E-01	2.68E-05	2.68E-08	3.75E+04	1.54E-04
125	0.5360	42	16.56	16564	8.40E-04	8.40E-01	4.56E-05	4.56E-08	1.74E+04	2.01E-04	0.01		36	19.23	19226	6.78E-04	6.78E-01	2.44E-05	2.44E-08	1.92E+04	1.52E-04
126	0.5320	166	40.92	40922	7.85E-04	7.85E-01	4.62E-05	4.62E-08	4.09E+04	1.86E-04	0.01		33	27.17	27165	6.82E-04	6.82E-01	1.73E-05	1.73E-08	2.72E+04	1.54E-04
127	0.5280	123	30.74	30736	4.16E-04	4.16E-01	4.62E-05	4.62E-08	3.07E+04	9.45E-05	0.01		96	37.50	37500	6.85E-04	6.85E-01	1.87E-05	1.87E-08	3.75E+04	1.53E-04
128	0.5240	73	16.89	16893	7.32E-04	7.32E-01	4.65E-05	4.65E-08	1.69E+04	1.64E-04	0.01		191	32.79	32786	6.94E-04	6.94E-01	7.54E-05	7.54E-08	3.28E+04	1.58E-04
129	0.5200	242	45.59	45586	4.18E-04	4.18E-01	4.70E-05	4.70E-08	4.56E+04	9.51E-05	0.01		205	22.60	22603	6.95E-04	6.95E-01	1.77E-05	1.77E-08	2.26E+04	1.71E-04
130	0.5160	85	42.41	42405	9.34E-04	9.34E-01	4.98E-05	4.98E-08	4.24E+04	2.20E-04	0.01		19	27.58	27576	7.06E-04	7.06E-01	7.77E-05	7.77E-08	2.76E+04	1.60E-04
131	0.5120	125	47.29	47291	1.07E-02	1.07E+01	5.01E-05	5.01E-08	4.73E+04	6.29E-03	0.00		22	21.45	21454	7.06E-04	7.06E-01	3.41E-05	3.41E-08	2.15E+04	1.58E-04
132	0.5080	72	48.17	48173	8.65E-04	8.65E-01	5.03E-05	5.03E-08	4.82E+04	1.93E-04	0.01		196	29.32	29319	7.07E-04	7.07E-01	1.76E-05	1.76E-08	2.93E+04	1.69E-04
133	0.5040	2	50.00	50000	9.62E-04	9.62E-01	5.05E-05	5.05E-08	5.00E+04	2.19E-04	0.01		236	36.24	36238	7.08E-04	7.08E-01	1.25E-04	1.25E-07	3.62E+04	1.72E-04
134	0.5000	116	22.60	22603	9.33E-04	9.33E-01	5.06E-05	5.06E-08	2.26E+04	2.09E-04	0.01		46	22.31	22306	7.16E-04	7.16E-01	5.63E-05	5.63E-08	2.23E+04	1.61E-04
135	0.4960	98	19.45	19451	7.69E-04	7.69E-01	5.06E-05	5.06E-08	1.95E+04	1.86E-04	0.01		54	46.43	46429	7.22E-04	7.22E-01	9.36E-05	9.36E-08	4.64E+04	1.64E-04
136	0.4920	174	29.78	29780	1.49E-03	1.49E+00	5.15E-05	5.15E-08	2.98E+04	3.36E-04	0.00		179	30.74	30736	7.24E-04	7.24E-01	5.91E-05	5.91E-08	3.07E+04	1.63E-04
137	0.4880	49	43.96	43959	2.31E-04	2.31E-01	5.34E-05	5.34E-08	4.40E+04	5.36E-05	0.02		218	40.21	40205	7.25E-04	7.25E-01	2.76E-05	2.76E-08	4.02E+04	1.69E-04
138	0.4840	9	24.20	24197	1.10E-03	1.10E+00	5.40E-05	5.40E-08	2.76E+04	2.51E-04	0.00		240	20.66	20659	7.26E-04	7.26E-01	4.24E-04	4.24E-07	2.07E+04	1.65E-04
139	0.4800	119	22.60	22603	2.06E-03	2.06E+00	5.63E-05	5.63E-08	2.26E+04	4.61E-04	0.00		73	16.89	16893	7.32E-04	7.32E-01	4.65E-05	4.65E-08	1.69E+04	1.64E-04
140	0.4760	46	22.31	22306	7.16E-04	7.16E-01	5.63E-05	5.63E-08	2.23E+04	1.61E-04	0.01		88	32.79	32786	7.33E-04	7.33E-01	3.55E-04	3.55E-07	3.28E+04	1.69E-04
141	0.4720	224	34.45	34452	5.33E-04	5.33E-01	5.71E-05	5.71E-08	3.45E+04	1.21E-04	0.01		99	31.23	31231	7.34E-04	7.34E-01	1.16E-04	1.16E-07	3.12E+04	1.78E-04
142	0.4680	179	30.74	30736	7.24E-04	7.24E-01	5.91E-05	5.91E-08	3.07E+04	1.63E-04	0.01		89	24.20	24197	7.37E-04	7.37E-01	6.08E-05	6.08E-08	2.42E+04	1.85E-04
143	0.4640	89	24.20	24197	7.37E-04	7.37E-01	6.08E-05	6.08E-08	2.42E+04	1.85E-04	0.01		8	27.58	27576	7.48E-04	7.48E-01	7.96E-05	7.96E-08	2.76E+04	1.73E-04
144	0.4600	150	27.58	27576	5.67E-04	5.67E-01	6.11E-05	6.11E-08	2.76E+04	1.28E-04	0.01		20	50.00	50000	7.57E-04	7.57E-01	1.00E-06	1.00E-09	5.00E+04	4.47E-04
145	0.4560	79	50.00	50000	6.70E-02	6.70E+01	6.18E-05	6.18E-08	5.00E+04	3.95E-02	0.00		40	19.23	19226	7.58E-04	7.58E-01	6.20E-05	6.20E-08	1.92E+04	1.70E-04
146	0.4520	40	19.23	19226	7.58E-04	7.58E-01	6.20E-05	6.20E-08	1.92E+04	1.70E-04	0.01		109	32.79	32786	7.64E-04	7.64E-01	2.94E-05	2.94E-08	3.28E+04	1.73E-04
147	0.4480	171	47.29	47291	8.37E-04	8.37E-01	6.25E-05	6.25E-08	4.73E+04	1.90E-04	0.01		98	19.45	19451	7.69E-04	7.69E-01	5.06E-05	5.06E-08	1.95E+04	1.86E-04
148	0.4440	246	50.00	50000	3.96E-03	3.96E+00	6.27E-05	6.27E-08	5.00E+04	2.27E-03	0.00		95	35.63	35629	7.77E-04	7.77E-01	3.67E-05	3.67E-08	3.56E+04	1.76E-04
149	0.4400	225	25.99	25987	5.72E-04	5.72E-01	6.56E-05	6.56E-08	2.60E+04	1.28E-04	0.01		222	35.63	35629	7.77E-04	7.77E-01	4.13E-05	4.13E-08	3.56E+04	1.76E-04
150	0.4360	193	45.59	45586	1.33E-03	1.33E+00	6.56E-05	6.56E-08	4.56E+04	3.01E-04	0.00		61	24.20	24197	7.77E-04	7.77E-01	7.00E-05	7.00E-08	2.42E+04	1.76E-04
151	0.4320	15	22.60	22603	7.90E-04	7.90E-01	6.58E-05	6.58E-08	2.26E+04	1.77E-04	0.01		29	42.41	42405	7.81E-04	7.81E-01	9.80E-05	9.80E-08	4.24E+04	1.78E-04
152	0.4280	87	27.58	27576	8.97E-04	8.97E-01	6.67E-05	6.67E-08	2.76E+04	2.04E-04	0.01		60	30.74	30736	7.83E-04	7.83E-01	9.11E-05	9.11E-08	3.07E+04	1.82E-04
153	0.4240	233	25.99	25987	5.24E-04	5.24E-01	6.78E-05	6.78E-08	2.60E+04	1.19E-04	0.01		31	30.74	30736	7.83E-04	7.83E-01	9.27E-06	9.27E-09	3.07E+04	1.76E-04
154	0.4200	152	44.76	44763	1.58E-03	1.58E+00	6.81E-05	6.81E-08	4.48E+04	3.87E-04	0.00		108	18.18	18175	7.85E-04	7.85E-01	3.88E-05	3.88E-08	5.00E+04	2.51E-04
155	0.4160	61	24.20	24197	7.77E-04	7.77E-01	7.00E-05	7.00E-08	2.42E+04	1.76E-04	0.01		166	40.92	40922	7.85E-04	7.85E-01	4.62E-05	4.62E-08	4.09E+04	1.86E-04
156	0.4120	120	20.16	20159	1.66E-03	1.66E+00	7.01E-05	7.01E-08	2.02E+04	3.72E-04	0.00		223	27.17	27165	7.90E-04	7.90E-01	1.90E-04	1.90E-07	2.72E+04	1.79E-04
157	0.4080	165	33.88	33884	5.29E-04	5.29E-01	7.02E-05	7.02E-08	3.39E+04	1.22E-04	0.01		15	22.60	22603	7.90E-04	7.90E-01	6.58E-05	6.58E-08	2.26E+04	1.77E-04
158	0.4040	38	29.32	29319	6.71E-04	6.71E-01	7.18E-05	7.18E-08	2.93E+04	1.53E-04	0.01		131	20.92	20918	7.98E-04	7.98E-01	2.55E-05	2.55E-08	2.09E+04	1.77E-04
159	0.4000	206	32.26	32255	3.36E-04	3.36E-01	7.20E-05	7.20E-08	3.23E+04	7.60E-05	0.02		216	37.50	37500	8.01E-04	8.01E-01	1.05E-04	1.05E-07	3.75E+04	1.82E-04
160	0.3960	198	50.00	50000	1.56E-02	1.56E+01	7.27E-05	7.27E-08	5.00E+04	9.19E-03	0.00		210	32.26	32255	8.03E-04	8.03E-01	1.84E-04	1.84E-07	3.23E+04	1.87E-04
161	0.3920	220	20.66	20659	3.47E-04	3.47E-01	7.32E-05	7.32E-08	2.07E+04	7.84E-05	0.02		110	37.50	37500	8.10E-04	8.10E-01	2.93E-05	2.93E-08	3.75E+04	1.85E-04
162	0.3880	191	32.79	32786	6.94E-04	6.94E-01	7.54E-05	7.54E-08	3.28E+04	1.58E-04	0.01		26	30.74	30736	8.15E-04	8.15E-01	1.05E-04	1.05E-07	3.07E+04	1.95E-04
163	0.3840	19	27.58	27576	7.06E-04	7.06E-01	7.77E-05	7.77E-08	2.76E+04	1.60E-04	0.01		184	42.41	42405	8.19E-04	8.19E-01	1.09E-04	1.09E-07	4.24E+04	1.94E-04
164	0.3800	160	34.45	34452	1.16E-03	1.16E+00	7.80E-05	7.80E-08	3.45E+04	2.62E-04	0.01		215	22.31	22306	8.23E-04	8.23E-01	1.20E-04	1.20E-07	2.23E+04	1.85E-04
165	0.3760	104	43.96	43959	5.57E-03	5.57E+00	7.85E-05	7.85E-08	4.40E+04	3.26E-03	0.00		127	43.96	43959	8.36E-04	8.36E-01	3.64E-04	3.64E-07	4.40E+04	1.90E-04
166	0.3720	8	27.58	27576	7.48E-04	7.48E-01	7.96E-05	7.96E-08	2.76E+04	1.73E-04	0.01		171	47.29	47291	8.37E-04	8.37E-01	6.25E-05	6.25E-08	4.73E+04	1.90E-04
167	0.3680	158	50.00	50000	1.88E-02	1.88E+01	8.17E-05	8.17E-08	5.00E+04	1.11E-02	0.00		136	30.74	30736	8.39E-04	8.39E-01	2.01E-04	2.01E-07	3.07E+04	1.91E-04
168	0.3640	154	50.00	50000	2.91E-03	2.91E+00	8.39E-05	8.39E-08	5.00E+04	1.68E-03	0.00		91	50.00	50000	8.39E-04	8.39E-01	2.37E-05	2.37E-08	5.00E+04	4.47E-04
169	0.3600	185	35.63	35629	3.45E-04	3.45E-01	8.42E-05	8.42E-08	3.56E+04	7.84E-05	0.02		42	16.56	16564	8.40E-04	8.40E-01	4.56E-05	4.56E-08	1.74E+04	2.01E-04
170	0.3560	197	30.74	30736	1.32E-03	1.32E+00	8.47E-05	8.47E-08	3.07E+04	2.97E-04	0.01		53	30.74	30736	8.46E-04	8.46E-01	2.29E-05	2.29E-08	3.07E+04	1.92E-04
171	0.3520	247	37.50	37500	4.55E-03	4.55E+00	8.54E-05	8.54E-08	3.75E+04	2.66E-03	0.00		172	24.20	24197	8.54E-04	8.54E-01	3.69E-05	3.69E-08	2.42E+04	1.93E-04
172	0.3480	30	36.24	36238	8.56E-04	8.56E-01	8.58E-05	8.58E-08	3.62E+04	1.94E-04	0.01		30	36.24	36238	8.56E-04	8.56E-01	8.58E-05	8.58E-08	3.62E+04	1.94E-04
173	0.3440	214	29.32	29319	2.15E-02	2.15E+01	8.81E-05	8.81E-08	2.93E+04	1.26E-02	0.00		72	48.17	48173	8.65E-04	8.65E-01	5.03E-05	5.03E-08	4.82E+04	1.93E-04
174	0.3400	82	32.79	32786	5.74E-04	5.74E-01	8.97E-05	8.97E-08	3.28E+04	1.30E-04	0.02		147	29.32	29319	8.68E-04	8.68E-01	8.97E-06	8.97E-09	2.93E+04	2.08E-04

Base Case + Lower Tc-99 solubility - Sorted 3 of 3

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
175	0.3360	190	25.61	25612	9.69E-04	9.69E-01	9.03E-05	9.03E-08	2.56E+04	2.20E-04	0.01		157	32.26	32255	8.74E-04	8.74E-01	2.04E-04	2.04E-07	3.23E+04	1.99E-04
176	0.3320	60	30.74	30736	7.83E-04	7.83E-01	9.11E-05	9.11E-08	3.07E+04	1.82E-04	0.01		93	25.99	25987	8.93E-04	8.93E-01	2.54E-05	2.54E-08	2.60E+04	2.01E-04
177	0.3280	202	36.24	36238	2.63E-04	2.63E-01	9.16E-05	9.16E-08	3.62E+04	5.99E-05	0.03		87	27.58	27576	8.97E-04	8.97E-01	6.67E-05	6.67E-08	2.76E+04	2.04E-04
178	0.3240	130	40.92	40922	9.96E-04	9.96E-01	9.23E-05	9.23E-08	4.09E+04	2.26E-04	0.01		178	27.58	27576	9.23E-04	9.23E-01	1.04E-04	1.04E-07	2.76E+04	2.10E-04
179	0.3200	229	33.88	33884	1.19E-03	1.19E+00	9.32E-05	9.32E-08	3.45E+04	2.73E-04	0.01		151	24.20	24197	9.28E-04	9.28E-01	9.46E-05	9.46E-08	3.56E+04	2.08E-04
180	0.3160	54	46.43	46429	7.22E-04	7.22E-01	9.36E-05	9.36E-08	4.64E+04	1.64E-04	0.01		116	22.60	22603	9.33E-04	9.33E-01	5.06E-05	5.06E-08	2.26E+04	2.09E-04
181	0.3120	151	24.20	24197	9.28E-04	9.28E-01	9.46E-05	9.46E-08	3.56E+04	2.08E-04	0.01		85	42.41	42405	9.34E-04	9.34E-01	4.98E-05	4.98E-08	4.24E+04	2.20E-04
182	0.3080	249	45.59	45586	3.96E-04	3.96E-01	9.50E-05	9.50E-08	4.56E+04	9.01E-05	0.02		209	27.58	27576	9.36E-04	9.36E-01	2.45E-05	2.45E-08	2.78E+04	2.09E-04
183	0.3040	194	50.00	50000	3.66E-04	3.66E-01	9.58E-05	9.58E-08	5.00E+04	8.33E-05	0.03		81	30.74	30736	9.38E-04	9.38E-01	4.16E-05	4.16E-08	3.07E+04	2.13E-04
184	0.3000	186	50.00	50000	2.30E-02	2.30E+01	9.62E-05	9.62E-08	5.00E+04	1.36E-02	0.00		207	24.20	24197	9.52E-04	9.52E-01	4.39E-05	4.39E-08	2.42E+04	2.14E-04
185	0.2960	29	42.41	42405	7.81E-04	7.81E-01	9.80E-05	9.80E-08	4.24E+04	1.78E-04	0.01		126	45.59	45586	9.54E-04	9.54E-01	1.62E-04	1.62E-07	4.56E+04	2.37E-04
186	0.2920	76	37.50	37500	1.23E-03	1.23E+00	9.90E-05	9.90E-08	3.75E+04	2.80E-04	0.01		2	50.00	50000	9.62E-04	9.62E-01	5.05E-05	5.05E-08	5.00E+04	2.19E-04
187	0.2880	141	29.32	29319	1.11E-03	1.11E+00	1.01E-04	1.01E-07	2.93E+04	2.51E-04	0.01		190	25.61	25612	9.69E-04	9.69E-01	9.03E-05	9.03E-08	2.56E+04	2.20E-04
188	0.2840	178	27.58	27576	9.23E-04	9.23E-01	1.04E-04	1.04E-07	2.76E+04	2.10E-04	0.01		100	20.41	20406	9.71E-04	9.71E-01	2.81E-05	2.81E-08	2.04E+04	2.33E-04
189	0.2800	74	29.32	29319	1.24E-03	1.24E+00	1.04E-04	1.04E-07	2.89E+04	3.00E-04	0.01		130	40.92	40922	9.96E-04	9.96E-01	9.23E-05	9.23E-08	4.09E+04	2.26E-04
190	0.2760	21	34.45	34452	6.24E-04	6.24E-01	1.05E-04	1.05E-07	3.45E+04	1.42E-04	0.02		182	32.79	32786	1.00E-03	1.00E+00	1.13E-04	1.13E-07	3.28E+04	2.36E-04
191	0.2720	114	24.20	24197	1.03E-03	1.03E+00	1.05E-04	1.05E-07	2.42E+04	2.34E-04	0.01		146	32.79	32786	1.02E-03	1.02E+00	4.41E-05	4.41E-08	3.28E+04	2.30E-04
192	0.2680	216	37.50	37500	8.01E-04	8.01E-01	1.05E-04	1.05E-07	3.75E+04	1.82E-04	0.01		114	24.20	24197	1.03E-03	1.03E+00	1.05E-04	1.05E-07	2.42E+04	2.34E-04
193	0.2640	26	30.74	30736	8.15E-04	8.15E-01	1.05E-04	1.05E-07	3.07E+04	1.95E-04	0.01		226	32.79	32786	1.04E-03	1.04E+00	4.31E-05	4.31E-08	3.28E+04	2.42E-04
194	0.2600	14	40.92	40922	3.09E-04	3.09E-01	1.06E-04	1.06E-07	4.09E+04	6.94E-05	0.03		28	27.58	27576	1.04E-03	1.04E+00	1.37E-04	1.37E-07	2.76E+04	2.37E-04
195	0.2560	63	33.88	33884	1.46E-04	1.46E-01	1.06E-04	1.06E-07	3.39E+04	3.32E-05	0.07		75	27.58	27576	1.05E-03	1.05E+00	2.67E-04	2.67E-07	2.76E+04	2.34E-04
196	0.2520	83	50.00	50000	2.39E-02	2.39E+01	1.08E-04	1.08E-07	5.00E+04	1.41E-02	0.00		66	40.92	40922	1.05E-03	1.05E+00	1.24E-04	1.24E-07	4.09E+04	2.41E-04
197	0.2480	133	50.00	50000	4.09E-02	4.09E+01	1.08E-04	1.08E-07	5.00E+04	2.41E-02	0.00		64	32.79	32786	1.06E-03	1.06E+00	1.40E-04	1.40E-07	3.28E+04	2.40E-04
198	0.2440	41	37.50	37500	3.66E-03	3.66E+00	1.09E-04	1.09E-07	3.75E+04	2.08E-03	0.00		213	18.58	18581	1.08E-03	1.08E+00	1.87E-05	1.87E-08	1.86E+04	2.41E-04
199	0.2400	184	42.41	42405	8.19E-04	8.19E-01	1.09E-04	1.09E-07	4.24E+04	1.94E-04	0.01		128	32.79	32786	1.09E-03	1.09E+00	1.35E-04	1.35E-07	3.28E+04	2.49E-04
200	0.2360	43	22.60	22603	4.91E-04	4.91E-01	1.10E-04	1.10E-07	2.26E+04	1.10E-04	0.02		103	24.20	24197	1.10E-03	1.10E+00	3.58E-05	3.58E-08	2.42E+04	2.48E-04
201	0.2320	182	32.79	32786	1.00E-03	1.00E+00	1.13E-04	1.13E-07	3.28E+04	2.38E-04	0.01		9	24.20	24197	1.10E-03	1.10E+00	5.40E-05	5.40E-08	2.76E+04	2.51E-04
202	0.2280	99	31.23	31231	7.34E-04	7.34E-01	1.16E-04	1.16E-07	3.12E+04	1.78E-04	0.02		141	29.32	29319	1.11E-03	1.11E+00	1.01E-04	1.01E-07	2.93E+04	2.51E-04
203	0.2240	215	22.31	22306	8.23E-04	8.23E-01	1.20E-04	1.20E-07	2.23E+04	1.85E-04	0.01		118	22.91	22907	1.11E-03	1.11E+00	1.78E-05	1.78E-08	2.32E+04	2.75E-04
204	0.2200	66	40.92	40922	1.05E-03	1.05E+00	1.24E-04	1.24E-07	4.09E+04	2.41E-04	0.01		162	27.17	27165	1.13E-03	1.13E+00	2.31E-05	2.31E-08	2.72E+04	2.51E-04
205	0.2160	121	30.74	30736	1.87E-04	1.87E-01	1.25E-04	1.25E-07	3.07E+04	4.26E-05	0.07		208	19.92	19918	1.13E-03	1.13E+00	2.90E-05	2.90E-08	1.99E+04	2.51E-04
206	0.2120	153	40.92	40922	2.65E-04	2.65E-01	1.25E-04	1.25E-07	4.09E+04	6.02E-05	0.05		160	34.45	34452	1.16E-03	1.16E+00	7.80E-05	7.80E-08	3.45E+04	2.62E-04
207	0.2080	236	36.24	36238	7.08E-04	7.08E-01	1.25E-04	1.25E-07	3.62E+04	1.72E-04	0.02		229	33.88	33884	1.19E-03	1.19E+00	9.32E-05	9.32E-08	3.45E+04	2.73E-04
208	0.2040	227	30.74	30736	4.23E-04	4.23E-01	1.27E-04	1.27E-07	3.07E+04	9.54E-05	0.03		143	32.79	32786	1.19E-03	1.19E+00	2.53E-05	2.53E-08	3.28E+04	2.67E-04
209	0.2000	57	34.45	34452	5.77E-04	5.77E-01	1.29E-04	1.29E-07	3.45E+04	1.30E-04	0.02		12	28.43	28427	1.21E-03	1.21E+00	3.10E-05	3.10E-08	2.84E+04	2.70E-04
210	0.1960	6	32.79	32786	1.57E-04	1.57E-01	1.30E-04	1.30E-07	3.28E+04	3.88E-05	0.08		76	37.50	37500	1.23E-03	1.23E+00	9.90E-05	9.90E-08	3.75E+04	2.80E-04
211	0.1920	88	27.58	27576	4.00E-02	4.00E+01	1.30E-04	1.30E-07	2.76E+04	2.36E-02	0.00		74	29.32	29319	1.24E-03	1.24E+00	1.04E-04	1.04E-07	2.89E+04	3.00E-04
212	0.1880	78	29.32	29319	1.31E-03	1.31E+00	1.31E-04	1.31E-07	2.93E+04	2.94E-04	0.01		192	22.60	22603	1.26E-03	1.26E+00	3.09E-05	3.09E-08	2.26E+04	2.82E-04
213	0.1840	10	25.61	25612	6.30E-04	6.30E-01	1.34E-04	1.34E-07	2.56E+04	1.43E-04	0.02		156	38.82	38821	1.30E-03	1.30E+00	4.49E-05	4.49E-08	3.88E+04	2.95E-04
214	0.1800	188	45.59	45586	1.55E-03	1.55E+00	1.34E-04	1.34E-07	4.56E+04	4.19E-04	0.01		37	25.61	25612	1.31E-03	1.31E+00	8.92E-04	8.92E-07	2.56E+04	2.97E-04
215	0.1760	128	32.79	32786	1.09E-03	1.09E+00	1.35E-04	1.35E-07	3.28E+04	2.49E-04	0.01		78	29.32	29319	1.31E-03	1.31E+00	1.31E-04	1.31E-07	2.93E+04	2.94E-04
216	0.1720	97	50.00	50000	2.39E-04	2.39E-01	1.35E-04	1.35E-07	5.00E+04	6.52E-05	0.06		140	22.60	22603	1.32E-03	1.32E+00	1.85E-04	1.85E-07	2.26E+04	3.30E-04
217	0.1680	28	27.58	27576	1.04E-03	1.04E+00	1.37E-04	1.37E-07	2.76E+04	2.37E-04	0.01		197	30.74	30736	1.32E-03	1.32E+00	8.47E-05	8.47E-08	3.07E+04	2.97E-04
218	0.1640	64	32.79	32786	1.06E-03	1.06E+00	1.40E-04	1.40E-07	3.28E+04	2.40E-04	0.01		193	45.59	45586	1.33E-03	1.33E+00	6.56E-05	6.56E-08	4.56E+04	3.01E-04
219	0.1600	71	39.51	39505	6.01E-04	6.01E-01	1.40E-04	1.40E-07	3.95E+04	1.41E-04	0.02		111	35.63	35629	1.37E-03	1.37E+00	1.94E-04	1.94E-07	3.56E+04	3.91E-04
220	0.1560	51	30.74	30736	4.65E-04	4.65E-01	1.42E-04	1.42E-07	3.07E+04	1.11E-04	0.03		5	27.58	27576	1.40E-03	1.40E+00	4.04E-05	4.04E-08	2.76E+04	3.15E-04
221	0.1520	237	24.20	24197	5.16E-04	5.16E-01	1.45E-04	1.45E-07	2.42E+04	1.16E-04	0.03		174	29.78	29780	1.49E-03	1.49E+00	5.15E-05	5.15E-08	2.98E+04	3.36E-04
222	0.1480	135	30.74	30736	4.18E-04	4.18E-01	1.47E-04	1.47E-07	3.07E+04	9.72E-05	0.04		188	45.59	45586	1.55E-03	1.55E+00	1.34E-04	1.34E-07	4.56E+04	4.19E-04
223	0.1440	245	50.00	50000	4.95E-02	4.95E+01	1.52E-04	1.52E-07	5.00E+04	2.92E-02	0.00		152	44.76	44763	1.58E-03	1.58E+00	6.81E-05	6.81E-08	4.48E+04	3.87E-04
224	0.1400	170	25.99	25987	1.60E-03	1.60E+00	1.62E-04	1.62E-07	2.60E+04	3.63E-04	0.01		244	28.87	28868	1.59E-03	1.59E+00	2.63E-04	2.63E-07	2.93E+04	3.61E-04
225	0.1360	126	45.59	45586	9.54E-04	9.54E-01	1.62E-04	1.62E-07	4.56E+04	2.37E-04	0.02		170	25.99	25987	1.60E-03	1.60E+00	1.62E-04	1.62E-07	2.60E+04	3.63E-04
226	0.1320	80	25.99	25987	6.05E-04	6.05E-01	1.62E-04	1.62E-07	2.60E+04	1.37E-04	0.03		24	20.92	20918	1.60E-03	1.60E+00	2.01E-04	2.01E-07	2.09E+04	3.71E-04
227	0.1280	204	40.92	40922	3.85E-04	3.85E-01	1.70E-04	1.70E-07	4.09E+04	8.73E-05	0.04		189	37.50	37500	1.61E-03	1.61E+00	2.35E-04	2.35E-07	2.76E+04	4.02E-04
228	0.1240	212	50.00	50000	2.66E-02	2.66E+01	1.72E-04	1.72E-07	5.00E+04	1.57E-02	0.00		120	20.16	20159	1.66E-03	1.66E+00	7.01E-05	7.01E-08	2.02E+04	3.72E-04
229	0.1200	231	29.32	29319	5.47E-04	5.47E-01	1.81E-04	1.81E-07	2.93E+04	1.25E-04	0.03		239	34.45	34452	2.04E-03	2.04E+00	2.12E-04	2.12E-07	3.45E+04	4.63E-04
230	0.1160	210	32.26	32255	8.03E-04	8.03E-01	1.84E-04	1.84E-07	3.23E+04	1.87E-04	0.02		52	50.00	50000	2.04E-03	2.04E+00	1.45E-05	1.45E-08	5.00E+04	1.17E-03
231	0.1120	140	22.60	22603	1.32E-03	1.32E+00	1.85E-04	1.85E-07	2.26E+04	3.30E-04	0.01		119	22.60	22603	2.06E-03	2.06E+00	5.63E-05	5.63E-08	2.26E+04	4.61E-04
232	0.1080	223	27.17	27165	7.90E-04	7.90E-01	1.90E-04	1.90E-07	2.72E+04	1.79E-04	0.02		154	50.00	50000	2.91E-03	2.91E+00	8.39E-05	8.39E-08	5.00E+04	1.68E-03
233	0.1040	17	32.26	32255	1.72E-04	1.72E-01	1.92E-04	1.92E-07	3.23E+04	3.87E-05	0.11		41	37.50	37500	3.66E-03	3.66E+00	1.09E-04	1.09E-07	3.75E+04	2.08E-03
234	0.1000	111	35.63	35629	1.37E-03	1.37E+00	1.94E-04	1.94E-07	3.56E+04	3.91E-04	0.01		246	50.00	50000	3.96E-03	3.96E+00	6.27E-05	6.27E-08	5.00E+04	2.27E-03
235	0.0960	167	35.63	35629	6.41E-04	6.41E-01	1.99E-04	1.99E-07	3.56E+04	1.54E-04	0.03		247	37.50	37500	4.55E-03	4.55E+00	8.54E-05	8.54E-08	3.75E+04	2.66E-03
236	0.0920	136	30.74	30736	8.39E-04	8.39E-01	2.01E-04	2.01E-07	3.07E+04	1.91E-04	0.02		203	50.00	50000	4.57E-03	4.57E+00	2.60E-05	2.60E-08	5.00E+04	2.65E-03
237	0.0880	24	20.92	20918	1.60E-03	1.60E+00	2.01E-04	2.01E-07	2.09E+04	3.71E-04	0.01		138	50.00	50000	5.17E-03	5.17E+00	3.66E-05	3.66E-08	5.00E+04	3.03E-03
238	0.0840	157	32.26	32255	8.74E-04	8.74E-01	2.04E-04	2.04E-07	3.23E+04	1.99E-04	0.02		104	43.96	43959	5.57E-03	5.57E+00	7.85E-05	7.85E-08	4.40E+04	3.26E-03
239	0.0800	219	40.92	40922	1.29E-04	1.29E-01	2.09E-04	2.09E-07	4.09E+04	2.92E-05	0.16		11	50.00	50000	6.06E-03	6.06E+00	7.92E-06	7.92E-09	5.00E+04	3.54E-03
240	0.0760	239	34.45	34452	2.04E-03	2.04E+00	2.12E-04	2.12E-07	3.45E+04	4.63E-04	0.01		250	50.00	50000	8.82E-03	8.82E+00	1.20E-03	1.20E-06	5.00E+04	5.18E-03
241	0.0720	48	37.50	37500	2.52E-04	2.52E-01	2.19E-04	2.19E-07	3.75E+04	5.72E-05	0.09		125	47.29	47291	1.07E-02	1.07E+01	5.01E-05	5.01E-08	4.73E+04	6.29E-03
242	0.0680	124	24.20	24197	3.37E-04	3.37E-01	2.34E-04	2.34E-07	2.42E+04	7.60E-05	0.07		65	40.92	40922	1.22E-02	1.22E+01	2.90E-04	2.90E-07	4.09E+04	7.13E-03
243	0.0640	189	37.50	37500	1.61E-03	1.61E+00	2.35E-04	2.35E-07	2.76E+04	4.02E-04	0.01		198	50.00	50000	1.56E-02	1.56E+01	7.27E-05	7.27E-08	5.00E+04	9.19E-03
244	0.0600	244	28.87	28868	1.59E-03	1.59E+00	2.63E-04	2.63E-07	2.93E+04	3.61E-04	0.02		3	42.41	42405	1.73E-02	1.73E+01	4.88E-04	4.88E-07	4.24E+04	1.02E-02
245	0.0560	181	39.51	39505	4.95E-04	4.95E-01	2.65E-04	2.65E-07	3.95E+04	1.16E-04	0.05		158	50.00	50000	1.88E-02	1.88E+01	8.17E-05	8.17E-08	5.00E+04	1.11E-02
246	0.0520	75	27.58	27576	1.05E-03	1.05E+00	2.67E-04	2.67E-07	2.76E+04	2.34E-04	0.03		105	50.00	50000	1.91E-02	1.91E+01	1.81E-05	1.81E-08	5.00E+04	1.13E-02
247	0.0480	65	40.92	40922	1.22E-02	1.22E+01	2.90E-04	2.90E-07	4.09E+04	7.13E-03	0.00		159	43.17	43173	2.05E-02	2.05E+01	6.49E-04	6.49E-07	4.32E+04	1.20E-02
248	0.0440	168	44.76	44763	5.46E-05	5.46E-02	2.99E-04	2.99E-07	4.48E+04	1.23E-05	0.55		16	50.00	50000	2.06E-02	2.06E+01	4.36E-05	4.36E-08	5.00E+04	1.22E-02
249	0.0400	86	32.79	32786	7.33E-04	7.33E-01	3.55E-04	3.55E-07	3.28E+04	1.69E-04	0.05		214	29.32	29319	2.15E-02	2.15E+01	8.81E-05	8.81E-08	2.93E+04	1.26E-02
250	0.0360	127	43.96	43959	8.36E-04	8.36E-01	3.64E-04	3.64E-07	4.40E+04	1.90E-04	0.04		34	50.00	50000	2.29E-02	2.29E+01	2.95E-06	2.95E-09	5.00E+04	1.34E-02
251	0.0320	240	20.66	20659	7.26E-04	7.26E-01	4.24E-04	4.24E-07	2.07E+04	1.65E-04	0.06		186	50.00	50000	2.30E-02	2.30E+01	9.62E-05	9.62E-08	5.00E+04	1.36E-02
252	0.0280	3	42.41	42405	1.73E-02	1.73E+01	4.88E-04	4.88E-07	4.24E+04	1.02E-02	0.00		83	50.00	50000	2.39E-02	2.39E+01	1.08E-04	1.08E-07	5.00E+04	1.41E-02
253	0.0240	159	43.17	43173	2.05E-02	2.05E+01	6.49E-04	6.49E-07	4.32E+04	1.20E-02	0.00		212	50.00	50000	2.66E-02	2.66E+01	1.72E-04	1.72E-07	5.00E+04	1.57E-02
254	0.0200	23	50.00	50000	4.74E-05	4.74E-02	6.76E-04	6.76E-07	5.00E+04	1.09E-05	1.43		122	42.41	42405	3.76E-02	3.76E+01	3.37E-05	3.37E-08	4.24E+04	2.22E-02
255	0.0160	37	25.61	25612	1.31E-03	1.31E+00	8.92E-04	8.92E-07	2.56E+04	2.97E-04	0.07		88	27.58	27576	4.00E-02	4.00E+01	1.30E-04	1.30E-07	2.76E+04	2.36E-02
256	0.0120	55	44.76	44763	2.64E-04	2.64E-01	1.09E-03	1.09E-06	5.00E+04	6.51E-05	0.41		133	50.00	50000	4.09E-02	4.09E+01	1.08E-04	1.08E-07	5.00E+04	2.41E-02
257	0.0080	250	50.00	50000	8.82E-03	8.82E+00	1.20E-03	1.20E-06	5.00E+04	5.18E-03	0.01		245	50.00	50000	4.95E-02	4.95E+01	1.52E-04	1.52E-07	5.00E+04	2.92E-02
258	0.0040	13	43.96	43959	2.35E-04	2.35E-01	1.25E-03	1.25E-06	4.40E+04	5.79E-05	0.53		79	50.00	50000	6.70E-02	6.70E+01	6.18E-05	6.18E-08	5.00E+04	3.95E-02

Base Case + Higher Tc-35 Rd (Tuff) reduced
Spec 3200
Higher
Unsorted
1 of 2



3/3/00 ORD

Base Case + Higher Tuff Rd 2 of 2 Unsorted

3/3/00 ORD

Oblum

Oblum

3/3/00

Base Case + Higher Tc-99 Rd (tuff, reducing) - Sorted 1 of 3

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Min		10.81	10808.00	1.321E-06	1.321E-03	7.661E-04	7.661E-07	1.081E+04	5.481E-07										
2	Max		50.00	50000.00	4.805E-02	4.805E+01	1.165E+00	1.165E-03	5.000E+04	2.825E-02										
3	Mean		33.81	33806.05	1.651E-03	1.651E+00	1.691E-01	1.691E-04	3.278E+04	8.707E-04										
4	Median		33.22	33218.00	4.060E-04	4.060E-01	1.310E-01	1.310E-04	3.148E+04	1.378E-04										
5	s.d.		9.73	9726.41	5.712E-03	5.712E+00	1.541E-01	1.541E-04	9.852E+03	3.374E-03										
6							Sorted by									Sorted by				
7	probability	vector	pktime	pktime	pktede	pktede	Tc99de	Tc99de	timedwpk	dmkh20		vector	pktime	pktime	pktede	pktede	Tc99de	Tc99de	timedwpk	dmkh20
8	n/250	unitless	yr/1000	yr	rem/yr	mrem/yr	mrem/yr	rem/yr	yr	rem/yr		unitless	yr/1000	yr	rem/yr	mrem/yr	mrem/yr	rem/yr	yr	rem/yr
9	1.0000	222	2.57E+01	2.57E+04	1.61E-06	1.61E-03	7.66E-04	7.66E-07	2.57E+04	5.64E-07		229	1.08E+01	1.08E+04	1.32E-06	1.32E-03	9.62E-04	9.62E-07	1.08E+04	5.48E-07
10	0.9960	229	1.08E+01	1.08E+04	1.32E-06	1.32E-03	9.62E-04	9.62E-07	1.08E+04	5.48E-07		222	2.57E+01	2.57E+04	1.61E-06	1.61E-03	7.66E-04	7.66E-07	2.57E+04	5.64E-07
11	0.9920	233	4.17E+01	4.17E+04	4.87E-06	4.87E-03	1.71E-03	1.71E-06	4.17E+04	1.55E-06		233	4.17E+01	4.17E+04	4.87E-06	4.87E-03	1.71E-03	1.71E-06	4.17E+04	1.55E-06
12	0.9880	45	2.70E+01	2.70E+04	7.27E-06	7.27E-03	2.70E-03	2.70E-06	2.70E+04	2.34E-06		31	3.93E+01	3.93E+04	6.70E-06	6.70E-03	4.35E-03	4.35E-06	3.93E+04	2.71E-06
13	0.9840	153	2.57E+01	2.57E+04	6.85E-06	6.85E-03	2.94E-03	2.94E-06	2.57E+04	2.37E-06		100	1.08E+01	1.08E+04	6.70E-06	6.70E-03	4.82E-03	4.82E-06	1.08E+04	2.82E-06
14	0.9800	98	4.17E+01	4.17E+04	2.88E-04	2.88E-01	3.15E-03	3.15E-06	4.17E+04	1.69E-04		153	2.57E+01	2.57E+04	6.85E-06	6.85E-03	2.94E-03	2.94E-06	2.57E+04	2.37E-06
15	0.9760	31	3.93E+01	3.93E+04	6.70E-06	6.70E-03	4.35E-03	4.35E-06	3.93E+04	2.71E-06		45	2.70E+01	2.70E+04	7.27E-06	7.27E-03	2.70E-03	2.70E-06	2.70E+04	2.34E-06
16	0.9720	100	1.08E+01	1.08E+04	6.70E-06	6.70E-03	4.82E-03	4.82E-06	1.08E+04	2.82E-06		51	5.00E+01	5.00E+04	1.29E-05	1.29E-02	1.17E-02	1.17E-05	5.00E+04	5.90E-06
17	0.9680	182	5.00E+01	5.00E+04	6.27E-05	6.27E-02	8.12E-03	8.12E-06	5.00E+04	3.47E-05		181	2.15E+01	2.15E+04	2.47E-05	2.47E-02	9.56E-03	9.56E-06	2.15E+04	8.05E-06
18	0.9640	36	4.43E+01	4.43E+04	1.76E-03	1.76E+00	8.37E-03	8.37E-06	4.43E+04	1.04E-03		146	5.00E+01	5.00E+04	3.17E-05	3.17E-02	1.98E-02	1.98E-05	5.00E+04	1.23E-05
19	0.9600	232	5.00E+01	5.00E+04	2.12E-03	2.12E+00	8.38E-03	8.38E-06	5.00E+04	1.25E-03		109	1.77E+01	1.77E+04	3.27E-05	3.27E-02	1.40E-02	1.40E-05	1.77E+04	1.10E-05
20	0.9560	181	2.15E+01	2.15E+04	2.47E-05	2.47E-02	9.56E-03	9.56E-06	2.15E+04	8.05E-06		177	3.71E+01	3.71E+04	3.58E-05	3.58E-02	1.86E-02	1.86E-05	3.71E+04	1.30E-05
21	0.9520	150	5.00E+01	5.00E+04	4.90E-04	4.90E-01	1.06E-02	1.06E-05	5.00E+04	2.86E-04		26	1.10E+01	1.10E+04	3.62E-05	3.62E-02	2.07E-02	2.07E-05	1.10E+04	1.36E-05
22	0.9480	23	3.51E+01	3.51E+04	3.71E-05	3.71E-02	1.07E-02	1.07E-05	3.51E+04	1.16E-05		23	3.51E+01	3.51E+04	3.71E-05	3.71E-02	1.07E-02	1.07E-05	3.51E+04	1.16E-05
23	0.9440	51	5.00E+01	5.00E+04	1.29E-05	1.29E-02	1.17E-02	1.17E-05	5.00E+04	5.90E-06		121	2.34E+01	2.34E+04	3.80E-05	3.80E-02	1.54E-02	1.54E-05	2.34E+04	1.26E-05
24	0.9400	97	5.00E+01	5.00E+04	1.04E-03	1.04E+00	1.39E-02	1.39E-05	5.00E+04	6.10E-04		79	3.32E+01	3.32E+04	4.05E-05	4.05E-02	1.87E-02	1.87E-05	3.32E+04	1.40E-05
25	0.9360	109	1.77E+01	1.77E+04	3.27E-05	3.27E-02	1.40E-02	1.40E-05	1.77E+04	1.10E-05		136	5.00E+01	5.00E+04	4.22E-05	4.22E-02	2.10E-02	2.10E-05	5.00E+04	1.86E-05
26	0.9320	121	2.34E+01	2.34E+04	3.80E-05	3.80E-02	1.54E-02	1.54E-05	2.34E+04	1.26E-05		56	3.93E+01	3.93E+04	4.32E-05	4.32E-02	2.70E-02	2.70E-05	3.71E+04	1.69E-05
27	0.9280	8	2.57E+01	2.57E+04	6.03E-05	6.03E-02	1.80E-02	1.80E-05	2.57E+04	1.82E-05		141	2.24E+01	2.24E+04	4.59E-05	4.59E-02	2.59E-02	2.59E-05	2.24E+04	1.71E-05
28	0.9240	99	2.57E+01	2.57E+04	5.25E-05	5.25E-02	1.85E-02	1.85E-05	2.24E+04	1.76E-05		118	2.15E+01	2.15E+04	4.70E-05	4.70E-02	2.03E-02	2.03E-05	2.15E+04	1.58E-05
29	0.9200	177	3.71E+01	3.71E+04	3.58E-05	3.58E-02	1.86E-02	1.86E-05	3.71E+04	1.30E-05		99	2.57E+01	2.57E+04	5.25E-05	5.25E-02	1.85E-02	1.85E-05	2.24E+04	1.76E-05
30	0.9160	79	3.32E+01	3.32E+04	4.05E-05	4.05E-02	1.87E-02	1.87E-05	3.32E+04	1.40E-05		238	3.93E+01	3.93E+04	5.44E-05	5.44E-02	1.89E-02	1.89E-05	3.93E+04	1.74E-05
31	0.9120	238	3.93E+01	3.93E+04	5.44E-05	5.44E-02	1.89E-02	1.89E-05	3.93E+04	1.74E-05		73	3.93E+01	3.93E+04	5.59E-05	5.59E-02	3.01E-02	3.01E-05	3.93E+04	2.05E-05
32	0.9080	95	2.99E+01	2.99E+04	7.98E-05	7.98E-02	1.98E-02	1.98E-05	2.99E+04	2.33E-05		8	2.57E+01	2.57E+04	6.03E-05	6.03E-02	1.80E-02	1.80E-05	2.57E+04	1.82E-05
33	0.9040	146	5.00E+01	5.00E+04	3.17E-05	3.17E-02	1.98E-02	1.98E-05	5.00E+04	1.23E-05		182	5.00E+01	5.00E+04	6.27E-05	6.27E-02	8.12E-03	8.12E-06	5.00E+04	3.47E-05
34	0.9000	118	2.15E+01	2.15E+04	4.70E-05	4.70E-02	2.03E-02	2.03E-05	2.15E+04	1.58E-05		18	5.00E+01	5.00E+04	6.72E-05	6.72E-02	4.63E-02	4.63E-05	5.00E+04	2.72E-05
35	0.8960	26	1.10E+01	1.10E+04	3.62E-05	3.62E-02	2.07E-02	2.07E-05	1.10E+04	1.36E-05		166	3.15E+01	3.15E+04	6.88E-05	6.88E-02	3.58E-02	3.58E-05	3.15E+04	2.48E-05
36	0.8920	136	5.00E+01	5.00E+04	4.22E-05	4.22E-02	2.10E-02	2.10E-05	5.00E+04	1.86E-05		43	5.00E+01	5.00E+04	6.89E-05	6.89E-02	3.75E-02	3.75E-05	5.00E+04	2.59E-05
37	0.8880	204	3.71E+01	3.71E+04	7.51E-05	7.51E-02	2.17E-02	2.17E-05	2.84E+04	2.51E-05		111	5.00E+01	5.00E+04	7.18E-05	7.18E-02	4.74E-02	4.74E-05	5.00E+04	2.86E-05
38	0.8840	141	2.24E+01	2.24E+04	4.59E-05	4.59E-02	2.59E-02	2.59E-05	2.24E+04	1.71E-05		165	3.71E+01	3.71E+04	7.21E-05	7.21E-02	4.41E-02	4.41E-05	3.71E+04	2.78E-05
39	0.8800	241	3.15E+01	3.15E+04	9.47E-05	9.47E-02	2.67E-02	2.67E-05	3.15E+04	2.98E-05		204	3.71E+01	3.71E+04	7.51E-05	7.51E-02	2.17E-02	2.17E-05	2.84E+04	2.51E-05
40	0.8760	56	3.93E+01	3.93E+04	4.32E-05	4.32E-02	2.70E-02	2.70E-05	3.71E+04	1.69E-05		95	2.99E+01	2.99E+04	7.98E-05	7.98E-02	1.98E-02	1.98E-05	2.99E+04	2.33E-05
41	0.8720	73	3.93E+01	3.93E+04	5.59E-05	5.59E-02	3.01E-02	3.01E-05	3.93E+04	2.05E-05		221	3.71E+01	3.71E+04	8.11E-05	8.11E-02	4.51E-02	4.51E-05	3.71E+04	3.05E-05
42	0.8680	160	3.93E+01	3.93E+04	6.18E-03	6.18E+00	3.13E-02	3.13E-05	3.93E+04	3.63E-03		44	4.17E+01	4.17E+04	8.16E-05	8.16E-02	4.48E-02	4.48E-05	3.15E+04	3.18E-05
43	0.8640	230	4.43E+01	4.43E+04	3.38E-03	3.38E+00	3.23E-02	3.23E-05	4.43E+04	1.99E-03		41	2.70E+01	2.70E+04	8.58E-05	8.58E-02	3.80E-02	3.80E-05	2.57E+04	2.98E-05
44	0.8600	16	2.15E+01	2.15E+04	9.22E-05	9.22E-02	3.53E-02	3.53E-05	2.06E+04	3.03E-05		16	2.15E+01	2.15E+04	9.22E-05	9.22E-02	3.53E-02	3.53E-05	2.06E+04	3.03E-05
45	0.8560	81	4.17E+01	4.17E+04	1.12E-04	1.12E-01	3.54E-02	3.54E-05	2.99E+04	3.95E-05		178	4.70E+01	4.70E+04	9.37E-05	9.37E-02	3.56E-02	3.56E-05	3.51E+04	3.27E-05
46	0.8520	178	4.70E+01	4.70E+04	9.37E-05	9.37E-02	3.56E-02	3.56E-05	3.51E+04	3.27E-05		241	3.15E+01	3.15E+04	9.47E-05	9.47E-02	2.67E-02	2.67E-05	3.15E+04	2.98E-05
47	0.8480	166	3.15E+01	3.15E+04	6.88E-05	6.88E-02	3.58E-02	3.58E-05	3.15E+04	2.48E-05		195	4.70E+01	4.70E+04	9.89E-05	9.89E-02	4.18E-02	4.18E-05	4.70E+04	3.33E-05
48	0.8440	43	5.00E+01	5.00E+04	6.89E-05	6.89E-02	3.75E-02	3.75E-05	5.00E+04	2.59E-05		83	3.71E+01	3.71E+04	9.99E-05	9.99E-02	6.15E-02	6.15E-05	3.71E+04	3.86E-05
49	0.8400	41	2.70E+01	2.70E+04	8.58E-05	8.58E-02	3.80E-02	3.80E-05	2.57E+04	2.98E-05		248	3.15E+01	3.15E+04	1.02E-04	1.02E-01	4.70E-02	4.70E-05	3.15E+04	3.53E-05
50	0.8360	161	2.24E+01	2.24E+04	1.45E-04	1.45E-01	3.84E-02	3.84E-05	2.24E+04	4.28E-05		139	3.32E+01	3.32E+04	1.04E-04	1.04E-01	6.49E-02	6.49E-05	3.32E+04	4.04E-05
51	0.8320	174	4.70E+01	4.70E+04	1.18E-04	1.18E-01	3.91E-02	3.91E-05	4.70E+04	3.70E-05		101	4.17E+01	4.17E+04	1.04E-04	1.04E-01	6.30E-02	6.30E-05	5.00E+04	4.05E-05
52	0.8280	195	4.70E+01	4.70E+04	9.89E-05	9.89E-02	4.18E-02	4.18E-05	4.70E+04	3.33E-05		71	2.45E+01	2.45E+04	1.05E-04	1.05E-01	6.58E-02	6.58E-05	2.45E+04	4.11E-05
53	0.8240	165	3.71E+01	3.71E+04	7.21E-05	7.21E-02	4.41E-02	4.41E-05	3.71E+04	2.78E-05		3	4.17E+01	4.17E+04	1.12E-04	1.12E-01	6.73E-02	6.73E-05	3.93E+04	4.33E-05
54	0.8200	44	4.17E+01	4.17E+04	8.16E-05	8.16E-02	4.48E-02	4.48E-05	3.15E+04	3.18E-05		81	4.17E+01	4.17E+04	1.12E-04	1.12E-01	3.54E-02	3.54E-05	2.99E+04	3.95E-05
55	0.8160	221	3.71E+01	3.71E+04	8.11E-05	8.11E-02	4.51E-02	4.51E-05	3.71E+04	3.05E-05		219	3.51E+01	3.51E+04	1.17E-04	1.17E-01	7.22E-02	7.22E-05	3.51E+04	4.52E-05
56	0.8120	18	5.00E+01	5.00E+04	6.72E-05	6.72E-02	4.63E-02	4.63E-05	5.00E+04	2.72E-05		224	4.17E+01	4.17E+04	1.18E-04	1.18E-01	6.67E-02	6.67E-05	4.17E+04	4.50E-05
57	0.8080	248	3.15E+01	3.15E+04	1.02E-04	1.02E-01	4.70E-02	4.70E-05	3.15E+04	3.53E-05		174	4.70E+01	4.70E+04	1.18E-04	1.18E-01	3.91E-02	3.91E-05	4.70E+04	3.70E-05
58	0.8040	111	5.00E+01	5.00E+04	7.18E-05	7.18E-02	4.74E-02	4.74E-05	5.00E+04	2.86E-05		104	2.84E+01	2.84E+04	1.21E-04	1.21E-01	7.08E-02	7.08E-05	2.84E+04	4.67E-05
59	0.8000	194	3.15E+01	3.15E+04	1.33E-04	1.33E-01	4.86E-02	4.86E-05	2.99E+04	4.28E-05		19	1.90E+01	1.90E+04	1.23E-04	1.23E-01	5.18E-02	5.18E-05	1.90E+04	4.10E-05
60	0.7960	120	3.93E+01	3.93E+04	1.58E-04	1.58E-01	4.97E-02	4.97E-05	3.93E+04	4.96E-05		167	2.84E+01	2.84E+04	1.24E-04	1.24E-01	5.62E-02	5.62E-05	2.84E+04	4.25E-05
61	0.7920	77	2.45E+01	2.45E+04	1.33E-04	1.33E-01	5.12E-02	5.12E-05	2.34E+04	4.39E-05		189	5.00E+01	5.00E+04	1.28E-04	1.28E-01	7.55E-02	7.55E-05	5.00E+04	4.96E-05
62	0.7880	19	1.90E+01	1.90E+04	1.23E-04	1.23E-01	5.18E-02	5.18E-05	1.90E+04	4.10E-05		5	4.43E+01	4.43E+04	1.29E-04	1.29E-01	6.59E-02	6.59E-05	4.17E+04	4.83E-05
63	0.7840	243	5.00E+01	5.00E+04	1.83E-03	1.83E+00	5.26E-02	5.26E-05	5.00E+04	1.06E-03		77	2.45E+01	2.45E+04	1.33E-04	1.33E-01	5.12E-02	5.12E-05	2.34E+04	4.39E-05
64	0.7800	206	4.17E+01	4.17E+04	1.95E-04	1.95E-01	5.30E-02	5.30E-05	4.17E+04	1.03E-04		194	3.15E+01	3.15E+04	1.33E-04	1.33E-01	4.86E-02	4.86E-05	2.99E+04	4.28E-05
65	0.7760	240	3.93E+01	3.93E+04	1.61E-04	1.61E-01	5.39E-02	5.39E-05	2.24E+04	5.63E-05		223	3.93E+01	3.93E+04	1.37E-04	1.37E-01	6.02E-02	6.02E-05	3.93E+04	4.66E-05
66	0.7720	167	2.84E+01	2.84E+04	1.24E-04	1.24E-01	5.62E-02	5.62E-05	2.84E+04	4.25E-05		69	4.17E+01	4.17E+04	1.39E-04	1.39E-01	6.88E-02	6.88E-05	4.17E+04	4.92E-05
67	0.7680	60	4.70E+01	4.70E+04	6.72E-03	6.72E+00	5.76E-02	5.76E-05	4.70E+04	3.96E-03		92	4.43E+01	4.43E+04	1.42E-04	1.42E-01	6.87E-02	6.87E-05	4.43E+04	5.00E-05
68	0.7640	125	5.00E+01	5.00E+04	7.94E-03	7.94E+00	5.99E-02	5.99E-05	5.00E+04	4.67E-03		161	2.24E+01	2.24E+04	1.45E-04	1.45E-01	3.84E-02	3.84E-05	2.24E+04	4.28E-05
69	0.7600	223	3.93E+01	3.93E+04	1.37E-04	1.37E-01	6.02E-02	6.02E-05	3.93E+04	4.66E-05		172	3.51E+01	3.51E+04	1.46E-04	1.46E-01	8.12E-02	8.12E-05	3.51E+04	5.39E-05
70	0.7560	83	3.71E+01	3.71E+04	9.99E-05	9.99E-02	6.15E-02	6.15E-05	3.71E+04	3.86E-05		7	2.70E+01	2.70E+04	1.46E-04	1.46E-01	6.36E-02	6.36E-05	2.57E+04	4.96E-05
71	0.7520	101	4.17E+01	4.17E+04	1.04E-04	1.04E-01	6.30E-02	6.30E-05	5.00E+04	4.05E-05		180	3.51E+01	3.51E+04	1.53E-04	1.53E-01	6.67E-02	6.67E-05	3.32E+04	5.38E-05
72	0.7480	7	2.70E+01	2.70E+04	1.46E-04	1.46E-01	6.36E-02	6.36E-05	2.57E+04	4.96E-05		133	3.32E+01	3.32E+04	1.53E-04	1.53E-01	6.70E-02	6.70E-05	3.32E+04	5.19E-05
73	0.7440	139	3.32E+01	3.32E+04	1.04E-04	1.04E-01	6.49E-02	6.49E-05	3.32E+04	4.04E-05		120	3.93E+01	3.93E+04	1.58E-04	1.58E-01	4.97E-02	4.97E-05	3.93E+04	4.96E-05
74	0.7400	21	2.15E+01	2.15E+04	2.06E-04	2.06E-01	6.52E-02	6.52E-05	1.90E+04	6.55E-05		235	3.15E+01	3.15E+04	1.61E-04	1.61E-01	6.72E-02	6.72E-05	3.15E+04	5.38E-05
75	0.7360	71	2.45E+01	2.45E+04	1.05E-04	1.05E-01	6.58E-02	6.58E-05	2.45E+04	4.11E-05		240	3.93E+01	3.93E+04	1.61E-04	1.61E-01	5.39E-02	5.39E-05	2.24E+04	5.63E-05
76	0.7320	5	4.43E+01	4.43E+04	1.29E-04	1.29E-01	6.59E-02	6.59E-05	4.17E+04	4.83E-05		247	4.43E+01	4.43E+04	1.67E-04	1.67E-01	1.01E-01	1.01E-04	4.43E+04	6.41E-05
77	0.7280	162	5.00E+01	5.00E+04	1.17E-02	1.17E+01	6.59E-02	6.59E-05	5.00E+04	6.92E-03		237	3.71E+01	3.71E+04	1.70E-04	1.70E-01	6.73E-02	6.73E-05	3.71E+04	5.76E-05
78	0.7240	224	4.17E+01	4.17E+04	1.18E-04	1.18E-01	6.67E-02	6.67E-05	4.17E+04	4.50E-05		213	5.00E+01	5.00E+04	1.72E-04	1.72E-01	8.59E-02	8.59E-05	5.00E+04	8.04E-05
79	0.7200	180	3.51E+01	3.51E+04	1.53E-04	1.53E-01	6.67E-02	6.67E-05	3.32E+04	5.38E-05		20	3.51E+01	3.51E+04	1.72E-04	1.72E-01	1.02E-01	1.02E-04	3.32E+04	6.59E-05
80	0.7160	133	3.32E+01	3.32E+04	1.53E-04	1.53E-01	6.70E-02	6.70E-05	3.32E+04	5.19E-05		17	3.71E+01	3.71E+04	1.86E-04	1.86E-01	1.11E-01	1.11E-04	4.70E+04	7.40E-05
81	0.7120	235	3.15E+01	3.15E+04	1.61E-04	1.61E-01	6.72E-02	6.72E-05	3.15E+04	5.38E-05		187	4.17E+01	4.17E+04	1.87E-04	1.87E-01	6.78E-02	6.78E-05	2.45E+04	6.62E-05
82	0.7080	3	4.17E+01	4.17E+04	1.12E-04	1.12E-01	6.73E-02	6.73E-05	3.93E+04	4.33E-05		113	4.43E+01	4.43E+04	1.88E-04	1.88E-01	1.08E-01	1.08E-04	3.32E+04	7.48E-05
83	0.7040	237	3.71E+01	3.71E+04	1.70E-04	1.70E-01	6.73E-02	6.73E-05	3.71E+04	5.76E-05		206	4.17E+01	4.17E+04	1.95E-04	1.95E-01	5.30E-02	5.30E-05	4.17E+04	1.03E-04
84	0.7000	187	4.17E+01	4.17E+04	1.87E-04	1.87E-01	6.78E-02	6.78E-05	2.45E+04	6.62E-05		1	4.17E+01	4.17E+04	2.01E-04	2.01E-01	6.80E-02	6.80E-05	4.17E+04	6.35E-05
85	0.6960	1	4.17E+01	4.17E+04	2.01E-04	2.01E-01	6.80E-02	6.80E-05	4.17E+04	6.35E-05		137	2.70E+01	2.70E+04	2.03E-04	2.03E-01	7.80E-02	7.80E-05	2.24E+04	6.80E-05
86	0.6920	92	4.43E+01	4.43E+04	1.42E-04	1.42E-01	6.87E-02	6.87E-05	4.43E+04	5.00E-05		21	2.15E+01	2.15E+04	2.06E-04	2.06E-01	6.52E-02	6.52E-05	1.90E+04	6.55E-05
87	0.6880	69	4.17E+01	4.17E+04	1.39E-04	1.39E-01	6.88E-02	6.88E-05	4.17E+04	4.92E-05		242	3.15E+01	3.15E+04	2.17E-04	2.17E-01	1.16E-01	1.16E-04	2.45E+04	7.98E-05

Base Case + Higher Tuff Rd - Sorted 2 of 3

3/3/00

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
88	0.6840	104	2.84E+01	2.84E+04	1.21E-04	1.21E-01	7.08E-02	7.08E-05	2.84E+04	4.67E-05		108	3.15E+01	3.15E+04	2.21E-04	2.21E-01	7.44E-02	7.44E-05	3.15E+04	6.94E-05
89	0.6800	11	5.00E+01	5.00E+04	7.36E-04	7.36E-01	7.14E-02	7.14E-05	5.00E+04	4.12E-04		234	3.32E+01	3.32E+04	2.22E-04	2.22E-01	7.62E-02	7.62E-05	3.32E+04	7.14E-05
90	0.6760	219	3.51E+01	3.51E+04	1.17E-04	1.17E-01	7.22E-02	7.22E-05	3.51E+04	4.52E-05		212	4.43E+01	4.43E+04	2.25E-04	2.25E-01	1.38E-01	1.38E-04	4.43E+04	8.62E-05
91	0.6720	145	3.32E+01	3.32E+04	2.52E-04	2.52E-01	7.27E-02	7.27E-05	3.32E+04	7.67E-05		117	2.70E+01	2.70E+04	2.27E-04	2.27E-01	1.27E-01	1.27E-04	2.70E+04	8.44E-05
92	0.6680	170	5.00E+01	5.00E+04	3.23E-04	3.23E-01	7.28E-02	7.28E-05	5.00E+04	1.61E-04		88	2.34E+01	2.34E+04	2.28E-04	2.28E-01	7.69E-02	7.69E-05	2.34E+04	7.13E-05
93	0.6640	108	3.15E+01	3.15E+04	2.21E-04	2.21E-01	7.44E-02	7.44E-05	3.15E+04	6.94E-05		173	3.93E+01	3.93E+04	2.33E-04	2.33E-01	9.89E-02	9.89E-05	3.93E+04	7.87E-05
94	0.6600	239	5.00E+01	5.00E+04	3.06E-04	3.06E-01	7.53E-02	7.53E-05	5.00E+04	1.42E-04		119	3.51E+01	3.51E+04	2.37E-04	2.37E-01	1.46E-01	1.46E-04	3.32E+04	9.22E-05
95	0.6560	189	5.00E+01	5.00E+04	1.28E-04	1.28E-01	7.55E-02	7.55E-05	5.00E+04	4.96E-05		190	5.00E+01	5.00E+04	2.45E-04	2.45E-01	1.35E-01	1.35E-04	5.00E+04	9.28E-05
96	0.6520	234	3.32E+01	3.32E+04	2.22E-04	2.22E-01	7.62E-02	7.62E-05	3.32E+04	7.14E-05		145	3.32E+01	3.32E+04	2.52E-04	2.52E-01	7.27E-02	7.27E-05	3.32E+04	7.67E-05
97	0.6480	88	2.34E+01	2.34E+04	2.28E-04	2.28E-01	7.69E-02	7.69E-05	2.34E+04	7.13E-05		130	3.71E+01	3.71E+04	2.55E-04	2.55E-01	1.10E-01	1.10E-04	3.71E+04	8.79E-05
98	0.6440	137	2.70E+01	2.70E+04	2.03E-04	2.03E-01	7.80E-02	7.80E-05	2.24E+04	6.80E-05		65	3.93E+01	3.93E+04	2.55E-04	2.55E-01	1.33E-01	1.33E-04	3.93E+04	9.22E-05
99	0.6400	59	3.51E+01	3.51E+04	2.80E-04	2.80E-01	8.02E-02	8.02E-05	3.51E+04	8.45E-05		210	4.43E+01	4.43E+04	2.64E-04	2.64E-01	1.61E-01	1.61E-04	4.43E+04	1.02E-04
100	0.6360	172	3.51E+01	3.51E+04	1.46E-04	1.46E-01	8.12E-02	8.12E-05	3.51E+04	5.39E-05		131	2.24E+01	2.24E+04	2.68E-04	2.68E-01	9.11E-02	9.11E-05	2.24E+04	8.39E-05
101	0.6320	213	5.00E+01	5.00E+04	1.72E-04	1.72E-01	8.59E-02	8.59E-05	5.00E+04	8.04E-05		42	3.51E+01	3.51E+04	2.69E-04	2.69E-01	1.19E-01	1.19E-04	3.51E+04	9.32E-05
102	0.6280	131	2.24E+01	2.24E+04	2.68E-04	2.68E-01	9.11E-02	9.11E-05	2.24E+04	8.39E-05		85	2.84E+01	2.84E+04	2.71E-04	2.71E-01	9.38E-02	9.38E-05	2.84E+04	8.60E-05
103	0.6240	93	5.00E+01	5.00E+04	9.83E-03	9.83E+00	9.15E-02	9.15E-05	5.00E+04	5.78E-03		140	2.99E+01	2.99E+04	2.74E-04	2.74E-01	1.56E-01	1.56E-04	2.45E+04	1.04E-04
104	0.6200	85	2.84E+01	2.84E+04	2.71E-04	2.71E-01	9.38E-02	9.38E-05	2.84E+04	8.60E-05		29	2.84E+01	2.84E+04	2.75E-04	2.75E-01	1.16E-01	1.16E-04	2.24E+04	1.13E-04
105	0.6160	62	4.70E+01	4.70E+04	3.62E-04	3.62E-01	9.42E-02	9.42E-05	3.71E+04	1.16E-04		202	3.15E+01	3.15E+04	2.79E-04	2.79E-01	1.37E-01	1.37E-04	3.15E+04	9.87E-05
106	0.6120	76	2.57E+01	2.57E+04	3.30E-04	3.30E-01	9.57E-02	9.57E-05	2.06E+04	1.09E-04		64	2.06E+01	2.06E+04	2.80E-04	2.80E-01	1.23E-01	1.23E-04	2.06E+04	9.49E-05
107	0.6080	169	4.17E+01	4.17E+04	1.48E-02	1.48E+01	9.58E-02	9.58E-05	4.17E+04	8.69E-03		175	2.70E+01	2.70E+04	2.80E-04	2.80E-01	1.49E-01	1.49E-04	2.70E+04	1.09E-04
108	0.6040	185	3.71E+01	3.71E+04	4.38E-04	4.38E-01	9.73E-02	9.73E-05	3.32E+04	1.36E-04		59	3.51E+01	3.51E+04	2.80E-04	2.80E-01	8.02E-02	8.02E-05	3.51E+04	8.45E-05
109	0.6000	183	1.90E+01	1.90E+04	3.96E-04	3.96E-01	9.74E-02	9.74E-05	1.90E+04	1.14E-04		208	4.43E+01	4.43E+04	2.83E-04	2.83E-01	1.69E-01	1.69E-04	4.17E+04	1.10E-04
110	0.5960	6	3.32E+01	3.32E+04	3.87E-04	3.87E-01	9.77E-02	9.77E-05	3.32E+04	1.13E-04		201	3.71E+01	3.71E+04	2.85E-04	2.85E-01	1.03E-01	1.03E-04	3.71E+04	9.16E-05
111	0.5920	173	3.93E+01	3.93E+04	2.33E-04	2.33E-01	9.89E-02	9.89E-05	3.93E+04	7.87E-05		98	4.17E+01	4.17E+04	2.88E-04	2.88E-01	3.15E-03	3.15E-06	4.17E+04	1.69E-04
112	0.5880	61	2.24E+01	2.24E+04	3.45E-04	3.45E-01	1.01E-01	1.01E-04	2.24E+04	1.09E-04		147	3.71E+01	3.71E+04	3.04E-04	3.04E-01	1.49E-01	1.49E-04	2.84E+04	1.15E-04
113	0.5840	247	4.43E+01	4.43E+04	1.67E-04	1.67E-01	1.01E-01	1.01E-04	4.43E+04	6.41E-05		239	5.00E+01	5.00E+04	3.06E-04	3.06E-01	7.53E-02	7.53E-05	5.00E+04	1.42E-04
114	0.5800	20	3.51E+01	3.51E+04	1.72E-04	1.72E-01	1.02E-01	1.02E-04	3.32E+04	6.59E-05		106	3.93E+01	3.93E+04	3.12E-04	3.12E-01	1.06E-01	1.06E-04	3.71E+04	1.05E-04
115	0.5760	201	3.71E+01	3.71E+04	2.85E-04	2.85E-01	1.03E-01	1.03E-04	3.71E+04	9.16E-05		49	2.57E+01	2.57E+04	3.18E-04	3.18E-01	1.45E-01	1.45E-04	2.57E+04	1.10E-04
116	0.5720	9	1.98E+01	1.98E+04	3.85E-04	3.85E-01	1.04E-01	1.04E-04	2.06E+04	1.23E-04		245	2.45E+01	2.45E+04	3.18E-04	3.18E-01	1.40E-01	1.40E-04	2.45E+04	1.08E-04
117	0.5680	106	3.93E+01	3.93E+04	3.12E-04	3.12E-01	1.06E-01	1.06E-04	3.71E+04	1.05E-04		91	1.98E+01	1.98E+04	3.23E-04	3.23E-01	1.16E-01	1.16E-04	1.98E+04	1.03E-04
118	0.5640	128	5.00E+01	5.00E+04	2.80E-03	2.80E+00	1.07E-01	1.07E-04	5.00E+04	1.61E-03		170	5.00E+01	5.00E+04	3.23E-04	3.23E-01	7.28E-02	7.28E-05	5.00E+04	1.61E-04
119	0.5600	113	4.43E+01	4.43E+04	1.88E-04	1.88E-01	1.08E-01	1.08E-04	3.32E+04	7.48E-05		76	2.57E+01	2.57E+04	3.30E-04	3.30E-01	9.57E-02	9.57E-05	2.06E+04	1.09E-04
120	0.5560	130	3.71E+01	3.71E+04	2.55E-04	2.55E-01	1.10E-01	1.10E-04	3.71E+04	8.79E-05		61	2.24E+01	2.24E+04	3.45E-04	3.45E-01	1.01E-01	1.01E-04	2.24E+04	1.09E-04
121	0.5520	17	3.71E+01	3.71E+04	1.86E-04	1.86E-01	1.11E-01	1.11E-04	4.70E+04	7.40E-05		72	2.99E+01	2.99E+04	3.45E-04	3.45E-01	1.73E-01	1.73E-04	2.99E+04	1.23E-04
122	0.5480	242	3.15E+01	3.15E+04	2.17E-04	2.17E-01	1.16E-01	1.16E-04	2.45E+04	7.98E-05		123	2.34E+01	2.34E+04	3.47E-04	3.47E-01	1.74E-01	1.74E-04	2.45E+04	1.25E-04
123	0.5440	91	1.98E+01	1.98E+04	3.23E-04	3.23E-01	1.16E-01	1.16E-04	1.98E+04	1.03E-04		62	4.70E+01	4.70E+04	3.62E-04	3.62E-01	9.42E-02	9.42E-05	3.71E+04	1.16E-04
124	0.5400	29	2.84E+01	2.84E+04	2.75E-04	2.75E-01	1.16E-01	1.16E-04	2.24E+04	1.13E-04		63	2.06E+01	2.06E+04	3.65E-04	3.65E-01	1.49E-01	1.49E-04	2.57E+04	1.23E-04
125	0.5360	25	3.32E+01	3.32E+04	4.52E-04	4.52E-01	1.17E-01	1.17E-04	2.45E+04	1.55E-04		103	2.34E+01	2.34E+04	3.66E-04	3.66E-01	1.22E-01	1.22E-04	2.34E+04	1.14E-04
126	0.5320	42	3.51E+01	3.51E+04	2.69E-04	2.69E-01	1.19E-01	1.19E-04	3.51E+04	9.32E-05		70	3.51E+01	3.51E+04	3.69E-04	3.69E-01	1.31E-01	1.31E-04	3.51E+04	1.18E-04
127	0.5280	103	2.34E+01	2.34E+04	3.66E-04	3.66E-01	1.22E-01	1.22E-04	2.34E+04	1.14E-04		198	3.15E+01	3.15E+04	3.78E-04	3.78E-01	1.71E-01	1.71E-04	3.15E+04	1.33E-04
128	0.5240	64	2.06E+01	2.06E+04	2.80E-04	2.80E-01	1.23E-01	1.23E-04	2.06E+04	9.49E-05		87	3.71E+01	3.71E+04	3.83E-04	3.83E-01	1.55E-01	1.55E-04	3.71E+04	1.27E-04
129	0.5200	86	5.00E+01	5.00E+04	1.06E-03	1.06E+00	1.25E-01	1.25E-04	5.00E+04	5.83E-04		9	1.98E+01	1.98E+04	3.85E-04	3.85E-01	1.04E-01	1.04E-04	2.06E+04	1.23E-04
130	0.5160	117	2.70E+01	2.70E+04	2.27E-04	2.27E-01	1.27E-01	1.27E-04	2.70E+04	8.44E-05		6	3.32E+01	3.32E+04	3.87E-04	3.87E-01	9.77E-02	9.77E-05	3.32E+04	1.13E-04
131	0.5120	67	2.99E+01	2.99E+04	4.12E-04	4.12E-01	1.28E-01	1.28E-04	2.84E+04	1.29E-04		183	1.90E+01	1.90E+04	3.96E-04	3.96E-01	9.74E-02	9.74E-05	1.90E+04	1.14E-04
132	0.5080	39	2.57E+01	2.57E+04	4.14E-04	4.14E-01	1.30E-01	1.30E-04	2.57E+04	1.27E-04		32	1.98E+01	1.98E+04	4.02E-04	4.02E-01	1.37E-01	1.37E-04	2.06E+04	1.34E-04
133	0.5040	70	3.51E+01	3.51E+04	3.69E-04	3.69E-01	1.31E-01	1.31E-04	3.51E+04	1.18E-04		211	2.57E+01	2.57E+04	4.02E-04	4.02E-01	2.01E-01	2.01E-04	2.45E+04	1.48E-04
134	0.5000	27	4.43E+01	4.43E+04	4.43E-04	4.43E-01	1.31E-01	1.31E-04	2.99E+04	1.46E-04		94	2.57E+01	2.57E+04	4.10E-04	4.10E-01	1.98E-01	1.98E-04	2.57E+04	1.44E-04
135	0.4960	65	3.93E+01	3.93E+04	2.55E-04	2.55E-01	1.33E-01	1.33E-04	3.93E+04	9.22E-05		67	2.99E+01	2.99E+04	4.12E-04	4.12E-01	1.28E-01	1.28E-04	2.84E+04	1.29E-04
136	0.4920	190	5.00E+01	5.00E+04	2.45E-04	2.45E-01	1.35E-01	1.35E-04	5.00E+04	9.28E-05		14	3.51E+01	3.51E+04	4.13E-04	4.13E-01	2.04E-01	2.04E-04	3.51E+04	1.46E-04
137	0.4880	163	3.51E+01	3.51E+04	6.09E-04	6.09E-01	1.36E-01	1.36E-04	3.32E+04	1.75E-04		39	2.57E+01	2.57E+04	4.14E-04	4.14E-01	1.30E-01	1.30E-04	2.57E+04	1.27E-04
138	0.4840	90	3.71E+01	3.71E+04	4.96E-04	4.96E-01	1.37E-01	1.37E-04	3.71E+04	1.48E-04		155	2.84E+01	2.84E+04	4.24E-04	4.24E-01	1.65E-01	1.65E-04	2.70E+04	1.39E-04
139	0.4800	202	3.15E+01	3.15E+04	2.79E-04	2.79E-01	1.37E-01	1.37E-04	3.15E+04	9.87E-05		205	2.45E+01	2.45E+04	4.31E-04	4.31E-01	1.50E-01	1.50E-04	2.45E+04	1.36E-04
140	0.4760	32	1.98E+01	1.98E+04	4.02E-04	4.02E-01	1.37E-01	1.37E-04	2.06E+04	1.34E-04		226	4.70E+01	4.70E+04	4.37E-04	4.37E-01	2.39E-01	2.39E-04	4.70E+04	1.65E-04
141	0.4720	212	4.43E+01	4.43E+04	2.25E-04	2.25E-01	1.38E-01	1.38E-04	4.43E+04	8.62E-05		185	3.71E+01	3.71E+04	4.38E-04	4.38E-01	9.73E-02	9.73E-05	3.32E+04	1.36E-04
142	0.4680	245	2.45E+01	2.45E+04	3.18E-04	3.18E-01	1.40E-01	1.40E-04	2.45E+04	1.08E-04		102	2.70E+01	2.70E+04	4.41E-04	4.41E-01	2.08E-01	2.08E-04	2.70E+04	1.54E-04
143	0.4640	49	2.57E+01	2.57E+04	3.18E-04	3.18E-01	1.45E-01	1.45E-04	2.57E+04	1.10E-04		27	4.43E+01	4.43E+04	4.43E-04	4.43E-01	1.31E-01	1.31E-04	2.99E+04	1.46E-04
144	0.4600	119	3.51E+01	3.51E+04	2.37E-04	2.37E-01	1.46E-01	1.46E-04	3.32E+04	9.22E-05		142	2.45E+01	2.45E+04	4.46E-04	4.46E-01	1.55E-01	1.55E-04	2.34E+04	1.56E-04
145	0.4560	13	4.43E+01	4.43E+04	5.30E-04	5.30E-01	1.46E-01	1.46E-04	4.43E+04	1.88E-04		48	3.93E+01	3.93E+04	4.48E-04	4.48E-01	2.23E-01	2.23E-04	3.93E+04	1.59E-04
146	0.4520	147	3.71E+01	3.71E+04	3.04E-04	3.04E-01	1.49E-01	1.49E-04	2.84E+04	1.15E-04		53	2.24E+01	2.24E+04	4.49E-04	4.49E-01	2.09E-01	2.09E-04	2.24E+04	1.60E-04
147	0.4480	175	2.70E+01	2.70E+04	2.80E-04	2.80E-01	1.49E-01	1.49E-04	2.70E+04	1.09E-04		25	3.32E+01	3.32E+04	4.52E-04	4.52E-01	1.17E-01	1.17E-04	2.45E+04	1.55E-04
148	0.4440	63	2.06E+01	2.06E+04	3.65E-04	3.65E-01	1.49E-01	1.49E-04	2.57E+04	1.23E-04		124	3.15E+01	3.15E+04	4.57E-04	4.57E-01	1.63E-01	1.63E-04	2.45E+04	1.68E-04
149	0.4400	205	2.45E+01	2.45E+04	4.31E-04	4.31E-01	1.50E-01	1.50E-04	2.45E+04	1.36E-04		74	2.70E+01	2.70E+04	4.79E-04	4.79E-01	2.07E-01	2.07E-04	2.70E+04	1.62E-04
150	0.4360	215	3.93E+01	3.93E+04	5.59E-04	5.59E-01	1.52E-01	1.52E-04	3.93E+04	1.68E-04		68	3.15E+01	3.15E+04	4.87E-04	4.87E-01	1.66E-01	1.66E-04	2.06E+04	1.70E-04
151	0.4320	87	3.71E+01	3.71E+04	3.83E-04	3.83E-01	1.55E-01	1.55E-04	3.71E+04	1.27E-04		80	2.24E+01	2.24E+04	4.88E-04	4.88E-01	1.66E-01	1.66E-04	2.24E+04	1.55E-04
152	0.4280	142	2.45E+01	2.45E+04	4.46E-04	4.46E-01	1.55E-01	1.55E-04	2.34E+04	1.56E-04		96	4.70E+01	4.70E+04	4.90E-04	4.90E-01	1.62E-01	1.62E-04	4.70E+04	1.53E-04
153	0.4240	140	2.99E+01	2.99E+04	2.74E-04	2.74E-01	1.56E-01	1.56E-04	2.45E+04	1.04E-04		150	5.00E+01	5.00E+04	4.90E-04	4.90E-01	1.06E-02	1.06E-05	5.00E+04	2.86E-04
154	0.4200	188	3.15E+01	3.15E+04	6.63E-04	6.63E-01	1.57E-01	1.57E-04	2.24E+04	2.03E-04		90	3.71E+01	3.71E+04	4.96E-04	4.96E-01	1.37E-01	1.37E-04	3.71E+04	1.48E-04
155	0.4160	203	3.51E+01	3.51E+04	5.09E-04	5.09E-01	1.58E-01	1.58E-04	3.51E+04	1.57E-04		179	3.15E+01	3.15E+04	4.98E-04	4.98E-01	2.01E-01	2.01E-04	3.15E+04	1.65E-04
156	0.4120	210	4.43E+01	4.43E+04	2.64E-04	2.64E-01	1.61E-01	1.61E-04	4.43E+04	1.02E-04		203	3.51E+01	3.51E+04	5.09E-04	5.09E-01	1.58E-01	1.58E-04	3.51E+04	1.57E-04
157	0.4080	96	4.70E+01	4.70E+04	4.90E-04	4.90E-01	1.62E-01	1.62E-04	4.70E+04	1.53E-04		218	4.17E+01	4.17E+04	5.16E-04	5.16E-01	3.14E-01	3.14E-04	4.17E+04	1.98E-04
158	0.4040	124	3.15E+01	3.15E+04	4.57E-04	4.57E-01	1.63E-01	1.63E-04	2.45E+04	1.68E-04		249	4.17E+01	4.17E+04	5.17E-04	5.17E-01	2.45E-01	2.45E-04	4.17E+04	1.97E-04
159	0.4000	155	2.84E+01	2.84E+04	4.24E-04	4.24E-01	1.65E-01	1.65E-04	2.70E+04	1.39E-04		126	3.32E+01	3.32E+04	5.18E-04	5.18E-01	2.40E-01	2.40E-04	3.32E+04	1.79E-04
160	0.3960	68	3.15E+01	3.15E+04	4.87E-04	4.87E-01	1.66E-01	1.66E-04	2.06E+04	1.70E-04		132	5.00E+01	5.00E+04	5.22E-04	5.22E-01	2.27E-01	2.27E-04	5.00E+04	2.29E-04
161	0.3920	80	2.24E+01	2.24E+04	4.88E-04	4.88E-01	1.66E-01	1.66E-04	2.24E+04	1.55E-04		15	4.17E+01	4.17E+04	5.26E-04	5.26E-01	3.19E-01	3.19E-04	4.17E+04	2.02E-04
162	0.3880	168	4.17E+01	4.17E+04	1.03E-02	1.03E+01	1.67E-01	1.67E-04	4.17E+04	6.00E-03		13	4.43E+01	4.43E+04	5.30E-04	5.30E-01	1.46E-01	1.46E-04	4.43E+04	1.88E-04
163	0.3840	208	4.43E+01	4.43E+04	2.83E-04	2.83E-01	1.69E-01	1.69E-04	4.17E+04	1.10E-04		184	2.84E+01	2.84E+04	5.37E-04	5.37E-01	2.92E-01	2.92E-04	2.70E+04	2.00E-04
164	0.3800	198	3.15E+01	3.15E+04	3.78E-04	3.78E-01	1.71E-01	1.71E-04	3.15E+04	1.33E-04		105	4.17E+01	4.17E+04	5.37E-04	5.37E-01	1.88E-01	1.88E-04	3.32E+04	1.90E-04
165	0.3760	72	2.99E+01	2.99E+04	3.45E-04	3.45E-01	1.73E-01	1.73E-04	2.99E+04	1.23E-04		154	2.45E+01	2.45E+04	5.39E-04	5.39E-01	3.19E-01	3.19E-04	2.45E+04	2.04E-04
166	0.3720	123	2.34E+01	2.34E+04	3.47E-04	3.47E-01	1.74E-01	1.74E-04	2.45E+04	1.25E-04		197	5.00E+01	5.00E+04	5.47E-04	5.47E-01	2.51E-01	2.51E-04	5.00E+04	2.34E-04
167	0.3680	199	4.70E+01	4.70E+04	4.14E-02	4.14E+01	1.79E-01	1.79E-04	4.70E+04	2.44E-02		84	2.99E+01	2.99E+04	5.51E-04	5.51E-01	2.01E-01	2.01E-04	2.57E+04	1.81E-04
168	0.3640	66	2.57E+01	2.57E+04	5.60E-04	5.60E-01	1.82E-01	1.82E-04	2.34E+04	1.80E-04		215	3.93E+01	3.93E+04	5.59E-04	5.59E-01	1.52E-01	1.52E-04	3.93E+04	1.68E-04
169	0.3600	24	2.84E+01	2.84E+04	5.60E-04	5.60E-01	1.84E-01	1.84E-04	2.84E+04	1.74E-04		24	2.84E+01	2.84E+04	5.60E-04	5.60E-01	1.84E-01	1.84E-04	2.84E+04	1.74E-04
170	0.3560	54	2.24E+01	2.24E+04	6.92E-04	6.92E-01	1.84E-01	1.84E-04	2.24E+04	2.16E-04		66	2.57E+01	2.57E+04	5.60E-04	5.60E-01	1.82E-01	1.82E-04	2.34E+04	1.80E-04
171	0.3520	105	4.17E+01	4.17E+04	5.37E-04	5.37E-01	1.88E-01	1.88E-04	3.32E+04	1.90E-04		143	3.32E+01	3.32E+04	5.70E-04	5.70E-01	1.99E-01	1.99E-04	3.32E+04	1.80E-04
172	0.3480	47	2.57E+01	2.57E+04	6.09E-04	6.09E-01	1.89E-01	1.89E-04	2.45E+04	1.99E-04		116	3.15E+01	3.15E+04	5.80E-04	5.80E-01	2.49E-01	2.49E-04	3.15E+04	2.03E-04
173	0.3440	94	2.57E+01	2.57E+04	4.10E-04	4.10E-01	1.98E-01	1.98E-04	2.57E+04	1.44E-04		129	2.99E+01	2.99E+04	5.96E-04	5.96E-01	2.09E-01	2.09E-04	2.84E+04	1.93E-04
174	0.3400	143	3.32E+01	3.32E+04	5.70E-04	5.70E-01	1.99E-01	1.99E-04	3.32E+04	1.80E-04		2	2.57E+01	2.57E+04	6.01E-04	6.01E-01	2.81E-01	2.81E-04	2.57E+04	2.08E-04

3/3/00 DRJ

Base Case + Higher Tuff R_D - Sorted 3 of 3

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
175	0.3360	30	1.90E+01	1.90E+04	7.02E-04	7.02E-01	1.99E-01	1.99E-04	1.90E+04	2.09E-04		47	2.57E+01	2.57E+04	6.09E-04	6.09E-01	1.89E-01	1.89E-04	2.45E+04	1.99E-04
176	0.3320	179	3.15E+01	3.15E+04	4.98E-04	4.98E-01	2.01E-01	2.01E-04	3.15E+04	1.65E-04		163	3.51E+01	3.51E+04	6.09E-04	6.09E-01	1.36E-01	1.36E-04	3.32E+04	1.75E-04
177	0.3280	211	2.57E+01	2.57E+04	4.02E-04	4.02E-01	2.01E-01	2.01E-04	2.45E+04	1.48E-04		209	2.06E+01	2.06E+04	6.11E-04	6.11E-01	2.31E-01	2.31E-04	2.06E+04	1.99E-04
178	0.3240	84	2.99E+01	2.99E+04	5.51E-04	5.51E-01	2.01E-01	2.01E-04	2.57E+04	1.81E-04		244	2.45E+01	2.45E+04	6.15E-04	6.15E-01	2.09E-01	2.09E-04	2.45E+04	1.93E-04
179	0.3200	14	3.51E+01	3.51E+04	4.13E-04	4.13E-01	2.04E-01	2.04E-04	3.51E+04	1.46E-04		148	5.00E+01	5.00E+04	6.19E-04	6.19E-01	2.82E-01	2.82E-04	5.00E+04	2.13E-04
180	0.3160	114	5.00E+01	5.00E+04	1.40E-02	1.40E+01	2.06E-01	2.06E-04	5.00E+04	8.22E-03		55	4.17E+01	4.17E+04	6.23E-04	6.23E-01	3.03E-01	3.03E-04	3.51E+04	2.27E-04
181	0.3120	74	2.70E+01	2.70E+04	4.79E-04	4.79E-01	2.07E-01	2.07E-04	2.70E+04	1.62E-04		37	3.93E+01	3.93E+04	6.27E-04	6.27E-01	3.76E-01	3.76E-04	3.32E+04	2.41E-04
182	0.3080	102	2.70E+01	2.70E+04	4.41E-04	4.41E-01	2.08E-01	2.08E-04	2.70E+04	1.54E-04		89	2.24E+01	2.24E+04	6.27E-04	6.27E-01	2.71E-01	2.71E-04	2.24E+04	2.11E-04
183	0.3040	129	2.99E+01	2.99E+04	5.96E-04	5.96E-01	2.09E-01	2.09E-04	2.84E+04	1.93E-04		196	2.57E+01	2.57E+04	6.44E-04	6.44E-01	2.21E-01	2.21E-04	2.57E+04	2.03E-04
184	0.3000	53	2.24E+01	2.24E+04	4.49E-04	4.49E-01	2.09E-01	2.09E-04	2.24E+04	1.60E-04		164	2.57E+01	2.57E+04	6.59E-04	6.59E-01	2.75E-01	2.75E-04	2.57E+04	2.19E-04
185	0.2960	244	2.45E+01	2.45E+04	6.15E-04	6.15E-01	2.09E-01	2.09E-04	2.45E+04	1.93E-04		144	3.32E+01	3.32E+04	6.60E-04	6.60E-01	2.11E-01	2.11E-04	3.51E+04	2.20E-04
186	0.2920	144	3.32E+01	3.32E+04	6.60E-04	6.60E-01	2.11E-01	2.11E-04	3.51E+04	2.20E-04		188	3.15E+01	3.15E+04	6.63E-04	6.63E-01	1.57E-01	1.57E-04	2.24E+04	2.03E-04
187	0.2880	112	5.00E+01	5.00E+04	2.94E-02	2.94E+01	2.19E-01	2.19E-04	5.00E+04	1.73E-02		115	2.57E+01	2.57E+04	6.64E-04	6.64E-01	2.73E-01	2.73E-04	2.57E+04	2.22E-04
188	0.2840	196	2.57E+01	2.57E+04	6.44E-04	6.44E-01	2.21E-01	2.21E-04	2.57E+04	2.03E-04		227	3.93E+01	3.93E+04	6.81E-04	6.81E-01	3.73E-01	3.73E-04	3.93E+04	2.51E-04
189	0.2800	33	3.93E+01	3.93E+04	7.09E-04	7.09E-01	2.21E-01	2.21E-04	3.93E+04	2.18E-04		54	2.24E+01	2.24E+04	6.92E-04	6.92E-01	1.84E-01	1.84E-04	2.24E+04	2.16E-04
190	0.2760	48	3.93E+01	3.93E+04	4.48E-04	4.48E-01	2.23E-01	2.23E-04	3.93E+04	1.59E-04		30	1.90E+01	1.90E+04	7.02E-04	7.02E-01	1.99E-01	1.99E-04	1.90E+04	2.09E-04
191	0.2720	132	5.00E+01	5.00E+04	5.22E-04	5.22E-01	2.27E-01	2.27E-04	5.00E+04	2.29E-04		33	3.93E+01	3.93E+04	7.09E-04	7.09E-01	2.21E-01	2.21E-04	3.93E+04	2.18E-04
192	0.2680	209	2.06E+01	2.06E+04	6.11E-04	6.11E-01	2.31E-01	2.31E-04	2.06E+04	1.99E-04		52	2.70E+01	2.70E+04	7.10E-04	7.10E-01	3.42E-01	3.42E-04	2.70E+04	2.49E-04
193	0.2640	28	2.70E+01	2.70E+04	7.14E-04	7.14E-01	2.32E-01	2.32E-04	2.70E+04	2.21E-04		28	2.70E+01	2.70E+04	7.14E-04	7.14E-01	2.32E-01	2.32E-04	2.70E+04	2.21E-04
194	0.2600	228	3.93E+01	3.93E+04	8.41E-04	8.41E-01	2.37E-01	2.37E-04	3.93E+04	2.61E-04		78	2.57E+01	2.57E+04	7.19E-04	7.19E-01	3.50E-01	3.50E-04	2.57E+04	2.52E-04
195	0.2560	226	4.70E+01	4.70E+04	4.37E-04	4.37E-01	2.39E-01	2.39E-04	4.70E+04	1.65E-04		176	3.15E+01	3.15E+04	7.29E-04	7.29E-01	2.67E-01	2.67E-04	2.57E+04	2.67E-04
196	0.2520	126	3.32E+01	3.32E+04	5.18E-04	5.18E-01	2.40E-01	2.40E-04	3.32E+04	1.79E-04		11	5.00E+01	5.00E+04	7.36E-04	7.36E-01	7.14E-02	7.14E-05	5.00E+04	4.12E-04
197	0.2480	249	4.17E+01	4.17E+04	5.17E-04	5.17E-01	2.45E-01	2.45E-04	4.17E+04	1.87E-04		151	2.06E+01	2.06E+04	7.66E-04	7.66E-01	2.70E-01	2.70E-04	2.06E+04	2.43E-04
198	0.2440	231	5.00E+01	5.00E+04	1.21E-03	1.21E+00	2.45E-01	2.45E-04	5.00E+04	5.79E-04		159	2.99E+01	2.99E+04	7.76E-04	7.76E-01	3.55E-01	3.55E-04	2.45E+04	2.85E-04
199	0.2400	116	3.15E+01	3.15E+04	5.80E-04	5.80E-01	2.49E-01	2.49E-04	3.15E+04	2.03E-04		12	2.06E+01	2.06E+04	8.08E-04	8.08E-01	2.99E-01	2.99E-04	2.06E+04	2.60E-04
200	0.2360	197	5.00E+01	5.00E+04	5.47E-04	5.47E-01	2.51E-01	2.51E-04	5.00E+04	2.34E-04		127	2.24E+01	2.24E+04	8.18E-04	8.18E-01	4.02E-01	4.02E-04	2.24E+04	2.88E-04
201	0.2320	122	2.70E+01	2.70E+04	9.71E-04	9.71E-01	2.62E-01	2.62E-04	2.84E+04	2.94E-04		149	2.57E+01	2.57E+04	8.24E-04	8.24E-01	3.01E-01	3.01E-04	2.57E+04	2.63E-04
202	0.2280	176	3.15E+01	3.15E+04	7.29E-04	7.29E-01	2.67E-01	2.67E-04	2.57E+04	2.67E-04		200	2.57E+01	2.57E+04	8.32E-04	8.32E-01	3.18E-01	3.18E-04	2.57E+04	2.71E-04
203	0.2240	207	1.83E+01	1.83E+04	8.96E-04	8.96E-01	2.67E-01	2.67E-04	1.83E+04	2.70E-04		152	2.24E+01	2.24E+04	8.35E-04	8.35E-01	3.47E-01	3.47E-04	2.24E+04	2.79E-04
204	0.2200	107	2.24E+01	2.24E+04	1.02E-03	1.02E+00	2.68E-01	2.68E-04	2.24E+04	3.05E-04		228	3.93E+01	3.93E+04	8.41E-04	8.41E-01	2.37E-01	2.37E-04	3.93E+04	2.61E-04
205	0.2160	82	3.71E+01	3.71E+04	5.07E-03	5.07E+00	2.70E-01	2.70E-04	3.71E+04	2.83E-03		217	2.24E+01	2.24E+04	8.70E-04	8.70E-01	3.28E-01	3.28E-04	2.24E+04	2.81E-04
206	0.2120	151	2.06E+01	2.06E+04	7.66E-04	7.66E-01	2.70E-01	2.70E-04	2.06E+04	2.43E-04		158	2.57E+01	2.57E+04	8.88E-04	8.88E-01	4.33E-01	4.33E-04	2.57E+04	3.13E-04
207	0.2080	89	2.24E+01	2.24E+04	6.27E-04	6.27E-01	2.71E-01	2.71E-04	2.24E+04	2.11E-04		192	3.93E+01	3.93E+04	8.89E-04	8.89E-01	3.03E-01	3.03E-04	3.93E+04	2.90E-04
208	0.2040	50	3.71E+01	3.71E+04	1.07E-03	1.07E+00	2.73E-01	2.73E-04	3.71E+04	3.13E-04		207	1.83E+01	1.83E+04	8.96E-04	8.96E-01	2.67E-01	2.67E-04	1.83E+04	2.70E-04
209	0.2000	115	2.57E+01	2.57E+04	6.64E-04	6.64E-01	2.73E-01	2.73E-04	2.57E+04	2.22E-04		236	2.06E+01	2.06E+04	8.96E-04	8.96E-01	3.93E-01	3.93E-04	2.06E+04	3.04E-04
210	0.1960	164	2.57E+01	2.57E+04	6.59E-04	6.59E-01	2.75E-01	2.75E-04	2.57E+04	2.19E-04		171	3.15E+01	3.15E+04	9.19E-04	9.19E-01	4.96E-01	4.96E-04	2.99E+04	3.52E-04
211	0.1920	2	2.57E+01	2.57E+04	6.01E-04	6.01E-01	2.81E-01	2.81E-04	2.57E+04	2.08E-04		138	3.71E+01	3.71E+04	9.29E-04	9.29E-01	3.54E-01	3.54E-04	2.84E+04	3.53E-04
212	0.1880	148	5.00E+01	5.00E+04	6.19E-04	6.19E-01	2.82E-01	2.82E-04	5.00E+04	2.13E-04		46	1.90E+01	1.90E+04	9.48E-04	9.48E-01	3.19E-01	3.19E-04	1.90E+04	2.96E-04
213	0.1840	184	2.84E+01	2.84E+04	5.37E-04	5.37E-01	2.92E-01	2.92E-04	2.70E+04	2.00E-04		134	2.70E+01	2.70E+04	9.66E-04	9.66E-01	2.94E-01	2.94E-04	2.70E+04	2.93E-04
214	0.1800	134	2.70E+01	2.70E+04	9.66E-04	9.66E-01	2.94E-01	2.94E-04	2.70E+04	2.93E-04		122	2.70E+01	2.70E+04	9.71E-04	9.71E-01	2.62E-01	2.62E-04	2.84E+04	2.94E-04
215	0.1760	12	2.06E+01	2.06E+04	8.08E-04	8.08E-01	2.99E-01	2.99E-04	2.06E+04	2.60E-04		246	3.51E+01	3.51E+04	9.92E-04	9.92E-01	3.89E-01	3.89E-04	3.51E+04	3.26E-04
216	0.1720	149	2.57E+01	2.57E+04	8.24E-04	8.24E-01	3.01E-01	3.01E-04	2.57E+04	2.63E-04		191	3.32E+01	3.32E+04	1.02E-03	1.02E+00	3.71E-01	3.71E-04	3.32E+04	3.27E-04
217	0.1680	55	4.17E+01	4.17E+04	6.23E-04	6.23E-01	3.03E-01	3.03E-04	3.51E+04	2.27E-04		250	3.32E+01	3.32E+04	1.02E-03	1.02E+00	3.57E-01	3.57E-04	2.57E+04	3.28E-04
218	0.1640	58	5.00E+01	5.00E+04	2.74E-02	2.74E+01	3.03E-01	3.03E-04	5.00E+04	1.61E-02		107	2.24E+01	2.24E+04	1.02E-03	1.02E+00	2.68E-01	2.68E-04	2.24E+04	3.05E-04
219	0.1600	192	3.93E+01	3.93E+04	8.89E-04	8.89E-01	3.03E-01	3.03E-04	3.93E+04	2.90E-04		97	5.00E+01	5.00E+04	1.04E-03	1.04E+00	1.39E-02	1.39E-05	5.00E+04	6.10E-04
220	0.1560	22	3.71E+01	3.71E+04	3.61E-02	3.61E+01	3.11E-01	3.11E-04	3.71E+04	2.12E-02		157	2.06E+01	2.06E+04	1.05E-03	1.05E+00	3.26E-01	3.26E-04	2.06E+04	3.21E-04
221	0.1520	218	4.17E+01	4.17E+04	5.16E-04	5.16E-01	3.14E-01	3.14E-04	4.17E+04	1.98E-04		86	5.00E+01	5.00E+04	1.06E-03	1.06E+00	1.25E-01	1.25E-04	5.00E+04	5.83E-04
222	0.1480	38	5.00E+01	5.00E+04	2.87E-02	2.87E+01	3.16E-01	3.16E-04	5.00E+04	1.69E-02		50	3.71E+01	3.71E+04	1.07E-03	1.07E+00	2.73E-01	2.73E-04	3.71E+04	3.13E-04
223	0.1440	200	2.57E+01	2.57E+04	8.32E-04	8.32E-01	3.18E-01	3.18E-04	2.57E+04	2.71E-04		110	2.06E+01	2.06E+04	1.10E-03	1.10E+00	4.90E-01	4.90E-04	2.24E+04	3.80E-04
224	0.1400	46	1.90E+01	1.90E+04	9.48E-04	9.48E-01	3.19E-01	3.19E-04	1.90E+04	2.96E-04		220	2.57E+01	2.57E+04	1.13E-03	1.13E+00	4.64E-01	4.64E-04	2.57E+04	3.75E-04
225	0.1360	15	4.17E+01	4.17E+04	5.26E-04	5.26E-01	3.19E-01	3.19E-04	4.17E+04	2.02E-04		40	3.51E+01	3.51E+04	1.13E-03	1.13E+00	3.27E-01	3.27E-04	3.51E+04	3.41E-04
226	0.1320	154	2.45E+01	2.45E+04	5.39E-04	5.39E-01	3.19E-01	3.19E-04	2.45E+04	2.04E-04		75	1.71E+01	1.71E+04	1.14E-03	1.14E+00	4.56E-01	4.56E-04	1.90E+04	3.93E-04
227	0.1280	157	2.06E+01	2.06E+04	1.05E-03	1.05E+00	3.26E-01	3.26E-04	2.06E+04	3.21E-04		4	2.34E+01	2.34E+04	1.17E-03	1.17E+00	3.83E-01	3.83E-04	2.24E+04	3.84E-04
228	0.1240	40	3.51E+01	3.51E+04	1.13E-03	1.13E+00	3.27E-01	3.27E-04	3.51E+04	3.41E-04		214	3.32E+01	3.32E+04	1.18E-03	1.18E+00	5.26E-01	5.26E-04	3.15E+04	4.05E-04
229	0.1200	217	2.24E+01	2.24E+04	8.70E-04	8.70E-01	3.28E-01	3.28E-04	2.24E+04	2.81E-04		216	2.57E+01	2.57E+04	1.20E-03	1.20E+00	5.97E-01	5.97E-04	2.57E+04	4.25E-04
230	0.1160	225	2.57E+01	2.57E+04	4.81E-02	4.81E+01	3.30E-01	3.30E-04	2.57E+04	2.83E-02		231	5.00E+01	5.00E+04	1.21E-03	1.21E+00	2.45E-01	2.45E-04	5.00E+04	5.79E-04
231	0.1120	52	2.70E+01	2.70E+04	7.10E-04	7.10E-01	3.42E-01	3.42E-04	2.70E+04	2.49E-04		156	2.34E+01	2.34E+04	1.25E-03	1.25E+00	5.82E-01	5.82E-04	2.24E+04	4.39E-04
232	0.1080	152	2.24E+01	2.24E+04	8.35E-04	8.35E-01	3.47E-01	3.47E-04	2.24E+04	2.79E-04		35	2.84E+01	2.84E+04	1.32E-03	1.32E+00	6.15E-01	6.15E-04	2.84E+04	4.55E-04
233	0.1040	78	2.57E+01	2.57E+04	7.19E-04	7.19E-01	3.50E-01	3.50E-04	2.57E+04	2.52E-04		10	3.93E+01	3.93E+04	1.32E-03	1.32E+00	4.69E-01	4.69E-04	3.93E+04	4.25E-04
234	0.1000	138	3.71E+01	3.71E+04	9.29E-04	9.29E-01	3.54E-01	3.54E-04	2.84E+04	3.53E-04		193	3.32E+01	3.32E+04	1.45E-03	1.45E+00	5.50E-01	5.50E-04	3.32E+04	4.70E-04
235	0.0960	159	2.99E+01	2.99E+04	7.76E-04	7.76E-01	3.55E-01	3.55E-04	2.45E+04	2.85E-04		34	2.57E+01	2.57E+04	1.48E-03	1.48E+00	6.05E-01	6.05E-04	2.57E+04	4.91E-04
236	0.0920	250	3.32E+01	3.32E+04	1.02E-03	1.02E+00	3.57E-01	3.57E-04	2.57E+04	3.28E-04		36	4.43E+01	4.43E+04	1.76E-03	1.76E+00	8.37E-03	8.37E-06	4.43E+04	1.04E-03
237	0.0880	191	3.32E+01	3.32E+04	1.02E-03	1.02E+00	3.71E-01	3.71E-04	3.32E+04	3.27E-04		243	5.00E+01	5.00E+04	1.83E-03	1.83E+00	5.26E-02	5.26E-05	5.00E+04	1.06E-03
238	0.0840	227	3.93E+01	3.93E+04	6.81E-04	6.81E-01	3.73E-01	3.73E-04	3.93E+04	2.51E-04		135	3.51E+01	3.51E+04	1.88E-03	1.88E+00	6.53E-01	6.53E-04	3.51E+04	6.01E-04
239	0.0800	37	3.93E+01	3.93E+04	6.27E-04	6.27E-01	3.76E-01	3.76E-04	3.32E+04	2.41E-04		232	5.00E+01	5.00E+04	2.12E-03	2.12E+00	8.38E-03	8.38E-06	5.00E+04	1.25E-03
240	0.0760	4	2.34E+01	2.34E+04	1.17E-03	1.17E+00	3.83E-01	3.83E-04	2.24E+04	3.84E-04		186	3.15E+01	3.15E+04	2.17E-03	2.17E+00	7.67E-01	7.67E-04	3.15E+04	7.28E-04
241	0.0720	246	3.51E+01	3.51E+04	9.92E-04	9.92E-01	3.89E-01	3.89E-04	3.51E+04	3.26E-04		57	2.99E+01	2.99E+04	2.50E-03	2.50E+00	1.17E+00	1.17E-03	2.99E+04	8.67E-04
242	0.0680	236	2.06E+01	2.06E+04	8.96E-04	8.96E-01	3.93E-01	3.93E-04	2.06E+04	3.04E-04		128	5.00E+01	5.00E+04	2.80E-03	2.80E+00	1.07E-01	1.07E-04	5.00E+04	1.61E-03
243	0.0640	127	2.24E+01	2.24E+04	8.18E-04	8.18E-01	4.02E-01	4.02E-04	2.24E+04	2.88E-04		230	4.43E+01	4.43E+04	3.38E-03	3.38E+00	3.23E-02	3.23E-05	4.43E+04	1.99E-03
244	0.0600	158	2.57E+01	2.57E+04	8.88E-04	8.88E-01	4.33E-01	4.33E-04	2.57E+04	3.13E-04		82	3.71E+01	3.71E+04	5.07E-03	5.07E+00	2.70E-01	2.70E-04	3.71E+04	2.83E-03
245	0.0560	75	1.71E+01	1.71E+04	1.14E-03	1.14E+00	4.56E-01	4.56E-04	1.90E+04	3.93E-04		160	3.93E+01	3.93E+04	6.18E-03	6.18E+00	3.13E-02	3.13E-05	3.93E+04	3.63E-03
246	0.0520	220	2.57E+01	2.57E+04	1.13E-03	1.13E+00	4.64E-01	4.64E-04	2.57E+04	3.75E-04		60	4.70E+01	4.70E+04	6.72E-03	6.72E+00	5.76E-02	5.76E-05	4.70E+04	3.96E-03
247	0.0480	10	3.93E+01	3.93E+04	1.32E-03	1.32E+00	4.69E-01	4.69E-04	3.93E+04	4.25E-04		125	5.00E+01	5.00E+04	7.94E-03	7.94E+00	5.99E-02	5.99E-05	5.00E+04	4.67E-03
248	0.0440	110	2.06E+01	2.06E+04	1.10E-03	1.10E+00	4.90E-01	4.90E-04	2.24E+04	3.80E-04		93	5.00E+01	5.00E+04	9.83E-03	9.83E+00	9.15E-02	9.15E-05	5.00E+04	5.78E-03
249	0.0400	171	3.15E+01	3.15E+04	9.19E-04	9.19E-01	4.96E-01	4.96E-04	2.99E+04	3.52E-04		168	4.17E+01	4.17E+04	1.03E-02	1.03E+01	1.67E-01	1.67E-04	4.17E+04	6.00E-03
250	0.0360	214	3.32E+01	3.32E+04	1.18E-03	1.18E+00	5.26E-01	5.26E-04	3.15E+04	4.05E-04		162	5.00E+01	5.00E+04	1.17E-02	1.17E+01	6.59E-02	6.59E-05	5.00E+04	6.92E-03
251	0.0320	193	3.32E+01	3.32E+04	1.45E-03	1.45E+00	5.50E-01	5.50E-04	3.32E+04	4.70E-04		114	5.00E+01	5.00E+04	1.40E-02	1.40E+01	2.06E-01	2.06E-04	5.00E+04	8.22E-03
252	0.0280	156	2.34E+01	2.34E+04	1.25E-03	1.25E+00	5.82E-01	5.82E-04	2.24E+04	4.39E-04		169	4.17E+01	4.17E+04	1.48E-02	1.48E+01	9.58E-02	9.58E-05	4.17E+04	8.69E-03
253	0.0240	216	2.57E+01	2.57E+04	1.20E-03	1.20E+00	5.97E-01	5.97E-04	2.57E+04	4.25E-04		58	5.00E+01	5.00E+04	2.74E-02	2.74E+01	3.03E-01	3.03E-04	5.00E+04	1.61E-02
254	0.0200	34	2.57E+01	2.57E+04	1.48E-03	1.48E+00	6.05E-01	6.05E-04	2.57E+04	4.91E-04		38	5.00E+01	5.00E+04	2.87E-02	2.87E+01	3.16E-01	3.16E-04	5.00E+04	1.69E-02
255	0.0160	35	2.84E+01	2.84E+04	1.32E-03	1.32E+00	6.15E-01	6.15E-04	2.84E+04	4.55E-04		112	5.00E+01	5.00E+04	2.94E-02	2.94E+01	2.19E-01	2.19E-04	5.00E+04	1.73E-02
256	0.0120	135	3.51E+01	3.51E+04	1.88E-03	1.88E+00	6.53E-01	6.53E-04	3.51E+04	6.01E-04		22	3.71E+01	3.71E+04	3.61E-02	3.61E+01	3.11E-01	3.11E-04	3.71E+04	2.12E-02
257	0.0080	186	3.15E+01	3.15E+04	2.17E-03	2.17E+00	7.67E-01	7.67E-04	3.15E+04	7.28E-04		199	4.70E+01	4.70E+04	4.14E-02	4.14E+01	1.79E-01	1.79E-04	4.70E+04	2.44E-02
258	0.0040	57	2.99E+01	2.99E+04	2.50E-03	2.50E+00	1.17E+00	1.17E-03	2.99E+04	8.67E-04		225	2.57E+01	2.57E+04	4.81E-02	4.81E+01	3.30E-01	3.30E-04	2.57E+04	2.83E-02

DRJ

3/3/00 DRJ

Base Case + Higher R_D (alluvium, sediment) Unsorted 1 of 2

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
13	Input		file	tpa.inp	as	supplied	with	TPA	Version	3.2.1	Code																
14	Base		case	data	set	Rev	3.2.1	2/22/99																			
15	TPA		3.2.3	PVM	capable,	Job	started	Mon	Nov	15	11:32:51	1999															
16	Groundwater		Total	Peak	Dose	and	Peak	Time	with	Doses																	
17	for		Each	Nuclide	at	Peak	Time	-	Values	for	Each	Vector															
18																											
19	vector	pktime	pktime	pktrde	Cm246de	U238de	Cm245de	Am241de	Np237de	Am243de	Pu239de	Pu240de	U234de	Th230de	Ra226de	Pb210de	Cs135de	I129de	Tc99de	Tc99de	Ni59de	C14de	Se79de	Nb94de	Cl36de	timedwpk	dnkh20
20	unitless	yr/1000	yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	mrem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	yr	rem/yr
21	1	41.70	41698	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-07	0.00E+00	5.50E-07	4.17E+04	3.04E-05
22	2	25.70	25699	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-08	2.57E+04	7.17E-05
23	3	41.70	41698	4.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-05	0.00E+00	0.00E+00	5.75E-07	0.00E+00	0.00E+00	0.00E+00	5.44E-07	4.17E+04	1.01E-05
24	4	23.41	23412	7.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	5.15E-08	2.34E+04	1.98E-04
25	5	47.02	47017	6.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-07	4.70E+04	1.52E-05
26	6	33.22	33218	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-09	0.00E+00	8.07E-07	3.32E+04	6.58E-05
27	7	26.98	26981	8.25E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.13E-05	0.00E+00	0.00E+00	1.75E-08	0.00E+00	0.00E+00	0.00E+00	1.14E-08	2.70E+04	1.86E-05
28	8	25.70	25699	4.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-08	0.00E+00	1.19E-08	2.57E+04	9.46E-06
29	9	19.77	19768	2.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-05	0.00E+00	1.92E-08	2.06E+04	6.81E-05
30	10	39.33	39327	8.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05	0.00E+00	6.90E-08	3.93E+04	1.97E-04
31	11	50.00	50000	8.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-05	0.00E+00	0.00E+00	2.22E-08	0.00E+00	0.00E+00	0.00E+00	5.82E-07	5.00E+04	3.78E-04
32	12	20.58	20577	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-04	0.00E+00	0.00E+00	6.51E-07	0.00E+00	0.00E+00	0.00E+00	8.51E-08	2.06E+04	1.15E-04
33	13	44.26	44255	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-08	4.43E+04	1.17E-04
34	14	41.70	41698	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-08	4.17E+04	5.09E-05
35	15	44.26	44255	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.26E-17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-04	0.00E+00	0.00E+00	2.73E-08	0.00E+00	0.00E+00	0.00E+00	2.47E-08	4.43E+04	4.90E-05
36	16	21.45	21450	5.69E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-07	2.15E+04	1.29E-05
37	17	47.02	47017	8.98E-05	0.00E+00	4.38E-08	0.00E+00	0.00E+00	4.13E-10	0.00E+00	0.00E+00	0.00E+00	1.64E-05	4.08E-09	3.17E-09	5.70E-09	0.00E+00	6.08E-05	0.00E+00	0.00E+00	2.91E-08	0.00E+00	4.59E-08	0.00E+00	7.65E-07	5.00E+04	2.85E-05
38	18	50.00	50000	2.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E-07	5.00E+04	4.68E-06
39	19	20.58	20577	7.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.34E-13	0.00E+00	9.74E-07	2.06E+04	1.69E-05
40	20	35.10	35100	6.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-07	3.51E+04	1.57E-05
41	21	21.45	21450	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.54E-08	2.15E+04	3.19E-05
42	22	37.13	37133	3.58E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-08	3.71E+04	2.10E-02
43	23	35.10	35100	2.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-08	0.00E+00	1.82E-07	3.51E+04	6.40E-06
44	24	28.37	28366	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-08	2.84E+04	8.48E-05
45	25	33.22	33218	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-07	3.32E+04	7.62E-05
46	26	11.01	11005	1.54E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-07	1.10E+04	3.47E-06
47	27	44.26	44255	3.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-08	4.43E+04	7.10E-05
48	28	26.98	26981	4.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	2.70E+04	1.08E-04
49	29	28.37	28366	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	0.00E+00	1.15E-08	2.84E+04	3.74E-05
50	30	19.02	19018	5.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-04	0.00E+00	0.00E+00	3.23E-15	0.00E+00	0.00E+00	0.00E+00	1.35E-05	1.90E+04	1.12E-04
51	31	50.00	50000	2.59E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-07	0.00E+00	3.01E-08	5.00E+04	8.42E-07
52	32	19.02	19018	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-05	0.00E+00	4.82E-08	1.90E+04	6.62E-05
53	33	39.33	39327	4.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-08	3.93E+04	1.11E-04
54	34	25.70	25699	8.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05	2.57E+04	1.97E-04
55	35	39.33	39327	9.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-18	0.00E+00	2.71E-08	3.93E+04	2.08E-04
56	36	44.26	44255	1.75E-03	0.00E+00	2.50E-17	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	0.00E+00	9.38E-17	5.33E-21	3.77E-21	7.80E-21	0.00E+00	5.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.13E-07	0.00E+00	6.78E-08	4.43E+04	1.03E-03
57	37	39.33	39327	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-04	0.00E+00	0.00E+00	7.26E-07	0.00E+00	0.00E+00	0.00E+00	3.03E-08	3.93E+04	5.67E-05
58	38	50.00	50000	2.84E-02	0.00E+00	2.70E-16	0.00E+00	0.00E+00	2.82E-02	0.00E+00	0.00E+00	0.00E+00	1.00E-15	7.93E-19	2.50E-20	2.74E-19	0.00E+00	2.04E-04	0.00E+00	0.00E+00	1.05E-08	0.00E+00	3.52E-05	0.00E+00	2.58E-08	5.00E+04	1.67E-02
59	39	25.70	25699	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-08	2.57E+04	6.35E-05
60	40	35.10	35100	8.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-04	0.00E+00	0.00E+00	2.85E-08	0.00E+00	1.34E-08	0.00E+00	1.66E-05	3.51E+04	1.82E-04
61	41	26.98	26981	4.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-07	2.70E+04	1.08E-05
62	42	35.10	35100	1.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	3.94E-08	0.00E+00	1.07E-05	0.00E+00	9.74E-07	3.51E+04	3.55E-05
63	43	50.00	50000	3.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-05	0.00E+00	0.00E+00	1.18E-08	0.00E+00	4.00E-06	0.00E+00	3.05E-07	5.00E+04	7.64E-06
64	44	41.70	41698	3.68E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-08	0.00E+00	3.62E-07	4.17E+04	9.02E-06
65	45	28.37	28366	4.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.60E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.06E-27	0.00E+00	3.39E-08	2.84E+04	1.05E-08
66	46	19.02	19018	6.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-07	0.00E+00	1.64E-05	1.90E+04	1.41E-04
67	47	25.70	25699	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	0.00E+00	0.00E+00	3.43E-07	0.00E+00	6.43E-05	0.00E+00	4.33E-08	2.57E+04	1.04E-04
68	48	50.00	50000	2.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-08	0.00E+00	1.40E-08	5.00E+04	6.16E-05
69	49	21.45	21450	1.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-08	2.15E+04	4.25E-05
70	50	37.13	37133	7.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-07	0.00E+00	2.20E-08	3.71E+04	1.81E-04
71	51	22.39	22393	5.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.40E-07	0.00E+00	7.90E-08	2.24E+04	1.30E-08
72	52	26.98	26981	3.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-08	0.00E+00	9.87E-06	2.70E+04	8.24E-05
73	53	19.77	19768	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	0.00E+00	0.00E+00	2.33E-10	0.00E+00	2.39E-05	0.00E+00	5.54E-08	2.34E+04	5.94E-05
74	54	22.39	22393	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-05	0.00E+00	1.71E-08	2.24E+04	1.26E-04
75	55	41.70	41698	3.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05	0.00E+00	2.45E-08	4.17E+04	7.71E-05
76	56	50.00	50000	1.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-07	5.00E+04	4.04E-06
77	57	29.88	29881	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-05	2.99E+04	3.00E-04
78	58	50.00	50000	2.71E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.68E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	0.00E+00	2.47E-08	5.00E+04	1.59E-02
79	59	35.10	35100	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-08	0.00E+00	6.45E-07	3.51E+04	4.55E-05
80	60	47.02	47017	6.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-07	4.70E+04	3.93E-03
81	61	22.39	22393	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05	0.00E+00	1.10E-08	2.24E+04	6.02E-05
82	62	47.02	47017	2.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	3.01E-08	0.00E+00	3.42E-05	0.00E+00	7.65E-07	4.70E+04	6.55E-05
83	63	20.58	20577	2.16E-04	0.00E+00	9.17E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-12	3.17E-17	9.97E-18	3.86E-17	0.00E+00	2.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-08	2.06E+04	4.84E-05
84	64	21.45	21450	1.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-08	2.15E+04	3.62E-05
85	65	39.33	39327	1.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-07	0.00E+00	2.31E-08	3.93E+04	2.76E-05
86	66	25.70	25699	3.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-04	0.00E+00	0.00E+00	2.44E-12	0.00E+00	0.00E+00	0.00E+00	2.31E-08	2.57E+04	8.56E-05
87	67	29.88	29881	2.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-04	0.00E+00	0.00E+00	6.06E-09	0.00E+00	0.00E+00	0.00E+00	1.05E-08	2.99E+04	6.46E-05
88	68	31.48	31475	3.21E-04	0.00E+00	1.05E-18	0.00E+00	0.00E+00	3.73E-16	0.00E+00	0.00E+00	0.00E+00	4.07E-18	2.34E-23	0.00E+00	0.00E+00	0.00E+00	3.20E-04	0.00E+00	0.00E+00	7.73E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-08	3.15E+04	7.30E-05
89	69	41.70	41698	7.01E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.88E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-08	4.17E+04	1.58E-05
90	70	37.13	37133	2.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-04	0.00E+00	0.00E+00	1.03E-08	0.00E+00	2.56E-11	0.00E+00	1.43E-08	3.71E+04	5.61E-05
91	71	25.70	25699	4.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-05	0.00E+00	0.00E+00	1.43E-09	0.00E+00	1.94E-08	0.00E+00	5.08E-07	2.70E+04	9.60E-06
92	72	29.88	29881	1.73E-04	0.00E+00	1.73E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-08	2.99E+04	3.91E-05
93	73	39.33	39327	2.57E-05	0.00E+00	1.28E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-14	9.12E-20	5.96E-19	4.94E-18	0.00E+00	2.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-07	3.93E+04	5.82E-06
94	74	26.98	26981	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-19	0.00E+00	5.98E-08	2.70E+04	6.11E-05
95	75	17.09	17087	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.66E-04	0.00E+00	0.00E+00	3.46E-07	0.00E+00	0.00E+00	0.00E+00	1.68E-05	1.71E+04	1.53E-04
96	76	25.70	25699	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-07	2.57E+04	5.32E-05
97	77	24.51	24512	8.14E-05	0.00E+00	7.54E-19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-07	0.00E+00	1.51E-08	2.45E+04	1.84E-05
98	78	35.10	35100	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-04	0.00E+00	0.00E+00	6.28E-08	0.00E+00	0.00E+00	0.00E+00	1.50E-08	3.51E+04	1.16E-04
99	79	33.22	33218	2.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-05	0.00E+00	0.00E+00	8.63E-08	0.00E+00	0.00E+00	0.00E+00	5.53E-07	3.32E+04	4.88E-06
100	80	22.39	22393	3.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-05	0.00E+00	7.66E-08	2.24E+04	7.39E-05
101	81	41.70	41698	7.67E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-07	4.17E+04	1.74E-05
102	82	37.13	37133	4.80E-03	0.00E+00	7.88E-07	0.00E+00	0.00E+00	4.40E-03	0.00E+00	0.00E+00	0.00E+00	3.04E-06	1.53E-10	9.37E-11	4.23E-10	0.00E+00	3.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-06	3.71E+04	2.69E-03
103	83	37.13	37133	3.85E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-08	0.00E+00	4.95E-07	5.00E+04	8.95E-06
104	84	29.88	29881	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-08	2.99E+04	7.90E-05
105	85	28.37	28366	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-07	2.84E+04	4.03E-05
106	86	50.00	50000	9.34E-04	0.00E+00	1.62E-08	0.00E+00	0.00E+00	8.51E-04	0.00E+00	0.00E+00	0.00E+00	6.01E-08	2.43E-10	4.90E-12	2.13E-11	0.00E+00	8.18E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	5.00E+04	5.22E-04
107	87	37.13	37133	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	2.87E-08	0.00E+00	0.00E+00	0.00E+00	2.79E-08	3.71E+04	5.14E-05
108	88	23.41	23412	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.02E-08	2.34E+04	3.39E-05
109	89	23.41	23412	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.19E-08	2.34E+04	8.53E-05
110	90	37.13	37133	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-05	3.71E+04	8.16E-05
111	91	19.02	19018	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-04	0.00E+00	0.00E+00	1.68E-09	0.00E+00	0.00E+00	0.00E+00	5.35E-08	1.90E+04	4.76E-05
112	92	44.26	44255	7.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-05	0.00E+00	0.00E+00	5.47E-16	0.00E+00	3.97E-08	0.00E+00	5.57E-07	4.43E+04	1.66E-05
113	93	50.00	50000	9.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.07E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-07	5.00E+04	5.74E-03
114	94	33.22	33218	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-04	0.00E+00	0.00E+00	1.19E-07	0.00E+00	2.82E-11	0.00E+00	1.12E-08	3.32E+04	5.28E-05
115	95	29.88	29881	6.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-05	0.00E+00	0.00E+00	4.09E-10	0.00E+00	0.00E+00	0.00E+00	1.59E-07	2.99E+04	1.36E-05
116	96	47.02	47017	3.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	1.60E-09	0.00E+00	8.72E-13	0.00E+00	2.75E-08	4.70E+04	7.42E-05
117	97	50.00	50000	1.03E-03	0.00E+00	5.62E-20	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	0.00E+00	2.08E-19	1.16E-22	0.00E+00	0.00E+00	0.00E+00	1.03E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.59E-08	0.00E+00	1.14E-07	5.00E+04	6.01E-04
118	98	41.70	41698	2.85E-04	0.00E+00	7.21E-09	0.00E+00	0.00E+00	2.82E-04	0.00E+00	0.00E+00	0.00E+00	2.74E-08	1.67E-13	1.68E-12	8.39E-13	0.00E+00	2.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-08	4.17E+04	1.67E-04
119	99	25.70	25699	3.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.35E-05	0.00E+00	0.00E+00	2.97E-07	0.00E+00	0.00E+00	0.00E+00	2.97E-07	2.57E+04	7.72E-06
120	100	19.02	19018	2.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-08	0.00E+00	0.00E+00	2.41E-08	0.00E+00	2.87E-07	0.00E+00	6.07E-09	1.90E+04	6.93E-07
121	101	50.00	50000	4.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-07	5.00E+04	1.31E-05
122	102	29.88	29881	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.91E-08	2.70E+04	5.25E-05
123	103	23.41	23412	2.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	8.70E-11	0.00E+00	0.00E+00	0.00E+00	5.80E-06	2.31E+04	5.44E-05
124	104	28.37	28366	4.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-06	0.00E+00	5.65E-07	2.84E+04	1.23E-05
125	105	41.70	41698	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	0.00E+00	0.00E+00	2.41E-08	0.00E+00	0.00E+00	0.00E+00	2.36E-08	4.17E+04	7.92E-05
126	106	39.33	39327	2.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.80E-06	0.00E+00	2.09E-08	4.17E+04	4.80E-05
127	107	22.39	22393	7.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-05	0.00E+00	5.48E-08	2.24E+04	1.74E-04
128	108	31.48	31475	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	9.91E-07	0.00E+00	0.00E+00	0.00E+00	6.76E-07	3.15E+04	3.32E-05
129	109	21.45	21450	1.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05	0.00E+00	0.00E+00	1.32E-08	0.00E+00	0.00E+00	0.00E+00	1.25E-07	2.15E+04	4.46E-06
130	110	20.58	20577	6.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-05	2.06E+04	1.37E-04
131	111	50.00	50000	2.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-07	5.00E+04	5.51E-06
132	112	50.00	50000	2.92E-02	0.00E+00	1.18E-12	0.00E+00	0.00E+00	2.90E-02	0.00E+00	0.00E+00	0.00E+00	4.36E-12	1.00E-17	2.29E-16	5.83E-16	0.00E+00	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-05	0.00E+00	1.79E-08	5.00E+04	1.72E-02
133	113	44.26	44255	7.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-05	0.00E+00	0.00E+00	3.63E-08	0.00E+00	0.00E+00	0.00E+00	8.73E-07	4.43E+04	1.81E-05
134	114	50.00	50000	1.38E-02	0.00E+00	9.51E-07	0.00E+00	0.00E+00	1.37E-02	0.00E+00	0.00E+00	0.00E+00	3.54E-06	4.70E-10	5.74E-10	1.54E-09	0.00E+00	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05	0.00E+00	1.68E-08	5.00E+04	8.12E-03
135	115	25.70	25699	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.74E-08	2.57E+04	8.85E-05
136	116	31.48	31475	3.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-05	0.00E+00	5.57E-08	3.15E+04	8.22E-05
137	117	23.41	23412	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-08	2.34E+04	2.53E-05
138	118	20.58	20577	2.78E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.52E-07	2.06E+04	6.23E-06
139	119	35.10	35100	9.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-08	3.51E+04	2.07E-05
140	120	39.33	39327	1.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-08	0.00E+00	4.01E-07	3.93E+04	2.54E-05
141	121	23.41	23412	2.27E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05	0.00E+00	0.00E+00	5.13E-08	0.00E+00	0.00E+00	0.00E+00	5.66E-07	2.34E+04	5.07E-06
142	122	26.98	26981	7.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.47E-05	0.00E+00	0.00E+00	2.89E-08	0.00E+00	4.26E-05	0.00E+00	1.95E-05	2.84E+04	1.65E-04
143	123	31.48	31475	1.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	3.96E-08	0.00E+00	0.00E+00	0.00E+00	9.55E-07	3.15E+04	4.37E-05
144	124	31.48	31475	2.94E-04	0.00E+00	2.92E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.34E-26	0.00E+00	2.07E-08	3.15E+04	6.66E-05
145	125	50.00	50000	7.85E-03	0.00E+00	9.79E-07	0.00E+00	0.00E+00	7.84E-03	0.00E+00	0.00E+00	0.00E+00	3.64E-08	8.10E-11	3.65E-10	6.78E-10	0.00E+00	4.04E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-22	0.00E+00	4.88E-07	5.00E+04	4.65E-03
146	126	33.22	33218	2.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-04	0.00E+00	0.00E+00	2.59E-08	0.00E+00	1.11E-24	0.00E+00	6.65E-08	3.93E+04	6.30E-05
147	127	29.88	29881	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-17	0.00E+00	1.99E-08	2.99E+04	1.10E-04
148	128	50.00	50000	2.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	8.72E-07	5.00E+04	1.58E-03
149	129	29.88	29881	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	0.00E+00	0.00E+00	6.91E-08	0.00E+00	0.00E+00	0.00E+00	2.18E-08	2.99E+04	8.79E-05
150	130	37.13	37133	1.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-04	0.00E+00	0.00E+00	1.93E-08	0.00E+00	1.38E-05	0.00E+00	2.52E-08	3.71E+04	3.44E-05
151	131	22.39	22393	1.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	0.00E+00	0.00E+00	5.67E-09	0.00E+00	8.30E-08	0.00E+00	4.28E-08	2.24E+04	3.96E-05
152	132	50.00	50000	2.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	1.85E-08	5.00E+04	1.18E-04
153	133	29.88	29881	8.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-08	2.99E+04	1.95E-05

DRJ

Base Case + Higher alluvium RD - Unsorted 2 of 2

3/3/00 DRJ

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
154	134	28.37	28366	6.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-07	0.00E+00	1.52E-05	2.84E+04	1.51E-04
155	135	35.10	35100	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.81E-05	0.00E+00	2.72E-05	3.51E+04	2.83E-04
156	136	50.00	50000	2.11E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-08	1.75E-08	3.40E-08	0.00E+00	1.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-18	0.00E+00	1.71E-07	5.00E+04	8.37E-06
157	137	26.98	26981	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-09	0.00E+00	7.12E-07	2.70E+04	2.84E-05
158	138	39.33	39327	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-06	0.00E+00	2.72E-06	3.93E+04	1.35E-04
159	139	37.13	37133	3.94E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-05	0.00E+00	0.00E+00	8.72E-07	0.00E+00	0.00E+00	0.00E+00	4.95E-07	3.71E+04	8.91E-06
160	140	31.48	31475	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-06	3.15E+04	2.65E-05
161	141	22.39	22393	2.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-07	2.24E+04	4.51E-06
162	142	24.51	24512	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-05	0.00E+00	2.59E-06	2.45E+04	7.44E-05
163	143	33.22	33218	3.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	0.00E+00	0.00E+00	6.64E-07	0.00E+00	6.10E-25	0.00E+00	6.46E-06	3.32E+04	8.35E-05
164	144	33.22	33218	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-05	0.00E+00	9.97E-06	3.32E+04	1.10E-04
165	145	33.22	33218	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-04	0.00E+00	0.00E+00	1.47E-07	0.00E+00	4.28E-06	0.00E+00	7.39E-07	3.32E+04	4.13E-05
166	146	50.00	50000	1.19E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-20	0.00E+00	2.09E-07	5.00E+04	2.69E-06
167	147	39.33	39327	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-05	0.00E+00	1.15E-06	3.93E+04	3.75E-05
168	148	50.00	50000	3.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.25E-04	0.00E+00	0.00E+00	5.08E-06	0.00E+00	0.00E+00	0.00E+00	7.29E-06	5.00E+04	7.58E-05
169	149	25.70	25699	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05	3.32E+04	1.17E-04
170	150	50.00	50000	4.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-08	5.00E+04	2.81E-04
171	151	20.58	20577	4.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-07	0.00E+00	8.64E-08	2.06E+04	1.12E-04
172	152	22.39	22393	4.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-06	2.24E+04	1.10E-04
173	153	24.51	24512	3.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-06	0.00E+00	0.00E+00	3.18E-08	0.00E+00	5.51E-07	0.00E+00	5.61E-08	2.45E+04	9.68E-07
174	154	31.48	31475	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-06	3.15E+04	7.72E-05
175	155	28.37	28366	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-04	0.00E+00	0.00E+00	1.27E-08	0.00E+00	0.00E+00	0.00E+00	3.60E-06	2.84E+04	5.86E-05
176	156	23.41	23412	6.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-04	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	1.25E-05	2.34E+04	1.51E-04
177	157	20.58	20577	7.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-06	2.06E+04	1.63E-04
178	158	39.33	39327	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-06	3.93E+04	1.33E-04
179	159	29.86	29861	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-06	2.99E+04	9.55E-05
180	160	39.33	39327	6.15E-03	0.00E+00	3.98E-09	0.00E+00	0.00E+00	6.08E-03	0.00E+00	0.00E+00	0.00E+00	1.52E-08	3.63E-12	9.44E-13	2.99E-12	0.00E+00	7.08E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-07	3.93E+04	3.61E-03
181	161	22.39	22393	1.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-04	0.00E+00	0.00E+00	1.40E-08	0.00E+00	0.00E+00	0.00E+00	3.22E-07	2.24E+04	2.41E-05
182	162	50.00	50000	1.17E-02	0.00E+00	8.47E-07	0.00E+00	0.00E+00	1.16E-02	0.00E+00	0.00E+00	0.00E+00	3.47E-08	4.15E-09	4.33E-10	1.44E-09	0.00E+00	4.54E-05	0.00E+00	0.00E+00	1.84E-06	0.00E+00	0.00E+00	0.00E+00	5.37E-07	5.00E+04	6.89E-03
183	163	35.10	35100	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-06	3.51E+04	1.08E-04
184	164	25.70	25699	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	2.57E+04	8.57E-05
185	165	37.13	37133	2.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-08	0.00E+00	3.58E-07	3.71E+04	8.32E-06
186	166	37.13	37133	3.58E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-08	0.00E+00	4.75E-07	3.71E+04	8.08E-06
187	167	29.86	29861	7.23E-05	0.00E+00	1.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-06	2.99E+04	1.63E-05
188	168	41.70	41696	1.01E-02	0.00E+00	9.10E-09	0.00E+00	0.00E+00	9.93E-03	0.00E+00	0.00E+00	0.00E+00	7.33E-09	2.72E-12	5.72E-14	3.24E-13	0.00E+00	1.09E-04	0.00E+00	0.00E+00	3.74E-07	0.00E+00	0.00E+00	0.00E+00	1.35E-06	4.17E+04	5.92E-03
189	169	41.70	41696	1.47E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-02	0.00E+00	0.00E+00	0.00E+00	3.45E-05	2.33E-09	4.78E-09	4.05E-09	0.00E+00	7.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.75E-07	4.17E+04	8.65E-03
190	170	50.00	50000	2.51E-04	0.00E+00	2.83E-07	0.00E+00	0.00E+00	1.87E-04	0.00E+00	0.00E+00	0.00E+00	1.05E-08	1.67E-10	2.58E-10	4.91E-10	0.00E+00	6.17E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E-07	5.00E+04	1.25E-04
191	171	41.70	41696	4.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-06	4.17E+04	9.93E-05
192	172	44.26	44255	8.39E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-10	0.00E+00	6.91E-07	4.43E+04	1.90E-05
193	173	39.33	39327	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	0.00E+00	3.23E-08	0.00E+00	0.00E+00	0.00E+00	7.68E-07	3.93E+04	3.05E-05
194	174	47.02	47017	7.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.89E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-07	4.70E+04	1.80E-05
195	175	37.13	37133	1.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-08	0.00E+00	6.36E-07	3.71E+04	4.57E-05
196	176	31.48	31475	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-07	0.00E+00	2.76E-06	3.15E+04	1.05E-04
197	177	37.13	37133	1.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-07	3.71E+04	3.90E-06
198	178	47.02	47017	5.81E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-05	0.00E+00	0.00E+00	1.28E-10	0.00E+00	0.00E+00	0.00E+00	3.87E-07	4.70E+04	1.32E-05
199	179	31.48	31475	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-06	3.15E+04	6.75E-05
200	180	35.10	35100	8.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-07	3.51E+04	1.96E-05
201	181	21.45	21450	1.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-07	2.15E+04	3.40E-06
202	182	50.00	50000	5.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-05	7.21E-08	6.87E-08	0.00E+00	5.22E-06	0.00E+00	0.00E+00	1.52E-07	0.00E+00	8.49E-07	0.00E+00	6.62E-08	5.00E+04	3.08E-05
203	183	19.02	19018	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-06	1.90E+04	6.71E-05
204	184	33.22	33218	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-06	3.32E+04	5.85E-05
205	185	37.13	37133	3.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-08	0.00E+00	1.54E-06	3.71E+04	7.74E-05
206	186	31.48	31475	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	0.00E+00	1.38E-05	3.15E+04	3.54E-04
207	187	41.70	41696	1.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	2.38E-11	0.00E+00	8.38E-06	0.00E+00	5.48E-07	4.17E+04	2.81E-05
208	188	31.48	31475	5.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	0.00E+00	0.00E+00	5.65E-06	0.00E+00	1.63E-05	0.00E+00	1.26E-06	3.32E+04	1.16E-04
209	189	50.00	50000	5.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.88E-08	0.00E+00	6.15E-07	5.00E+04	1.29E-05
210	190	50.00	50000	1.09E-04	0.00E+00	9.27E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-05	0.00E+00	0.00E+00	4.21E-08	0.00E+00	1.58E-05	0.00E+00	1.10E-06	5.00E+04	2.69E-05
211	191	33.22	33218	6.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-04	0.00E+00	0.00E+00	2.34E-07	0.00E+00	1.49E-12	0.00E+00	3.75E-06	3.32E+04	1.46E-04
212	192	39.33	39327	5.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-05	0.00E+00	1.39E-05	3.93E+04	1.43E-04
213	193	33.22	33218	9.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	3.32E+04	2.03E-04
214	194	31.48	31475	8.49E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-09	0.00E+00	1.25E-06	3.15E+04	1.91E-05
215	195	47.02	47017	5.70E-05	0.00E+00	9.45E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.50E-09	6.03E-14	3.98E-13	2.95E-13	0.00E+00	5.87E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-07	4.70E+04	1.29E-05
216	196	25.70	25699	4.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-06	2.57E+04	9.53E-05
217	197	50.00	50000	2.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-04	0.00E+00	0.00E+00	8.20E-08	0.00E+00	0.00E+00	0.00E+00	2.05E-08	5.00E+04	1.12E-04
218	198	33.22	33218	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-05	0.00E+00	3.11E-08	3.32E+04	5.16E-05
219	199	47.02	47017	4.12E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-05	0.00E+00	1.46E-06	4.70E+04	2.43E-02
220	200	25.70	25699	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-06	2.57E+04	1.16E-04
221	201	37.13	37133	1.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.81E-04	0.00E+00	0.00E+00	9.97E-10	0.00E+00	0.00E+00	0.00E+00	8.33E-07	3.71E+04	4.12E-05
222	202	47.02	47017	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.57E-07	4.70E+04	4.09E-05
223	203	35.10	35100	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.38E-07	0.00E+00	1.47E-06	3.51E+04	7.98E-05
224	204	37.13	37133	5.34E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-05	0.00E+00	0.00E+00	7.69E-07	0.00E+00	7.80E-08	0.00E+00	1.75E-07	3.93E+04	1.22E-05
225	205	20.58	20577	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-07	0.00E+00	7.26E-06	2.06E+04	6.37E-05
226	206	41.70	41696	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-05	0.00E+00	0.00E+00	1.74E-09	0.00E+00	1.42E-06	0.00E+00	4.30E-07	3.93E+04	8.12E-05
227	207	18.32	18324	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-07	0.00E+00	1.90E-05	1.83E+04	1.40E-04
228	208	44.26	44255	1.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-06	4.43E+04	2.58E-05
229	209	20.58	20577	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.99E-06	0.00E+00	8.20E-06	2.06E+04	8.63E-05
230	210	47.02	47017	1.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-06	4.70E+04	2.31E-05
231	211	33.22	33218	2.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-04	0.00E+00	0.00E+00	4.13E-06	0.00E+00	0.00E+00	0.00E+00	1.04E-06	3.32E+04	4.90E-05
232	212	47.02	47017	9.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-06	4.70E+04	2.05E-05
233	213	50.00	50000	8.60E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-05	0.00E+00	0.00E+00	5.26E-07	0.00E+00	0.00E+00	0.00E+00	7.02E-07	5.00E+04	3.86E-05
234	214	33.22	33218	6.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.43E-04	0.00E+00	0.00E+00	1.11E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-05	3.32E+04	1.48E-04
235	215	39.33	39327	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.66E-06	3.93E+04	9.17E-05
236	216	26.98	26981	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	2.70E+04	1.39E-04
237	217	22.39	22393	5.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.72E-11	0.00E+00	1.49E-05	2.24E+04	1.21E-04
238	218	44.26	44255	2.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	0.00E+00	0.00E+00	2.96E-06	0.00E+00	9.17E-21	0.00E+00	2.43E-06	4.43E+04	4.73E-05
239	219	37.13	37133	4.66E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-07	3.71E+04	1.05E-05
240	220	25.70	25699	6.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-08	0.00E+00	1.92E-05	2.57E+04	1.49E-04
241	221	39.33	39327	3.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-08	0.00E+00	6.17E-07	3.71E+04	8.59E-06
242	222	21.45	21450	1.02E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-08	2.15E+04	2.28E-07
243	223	39.33	39327	7.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.45E-05	0.00E+00	0.00E+00	1.35E-06	0.00E+00	0.00E+00	0.00E+00	4.94E-07	3.93E+04	1.73E-05
244	224	41.70	41696	5.10E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-10	4.00E-13	8.52E-13	0.00E+00	4.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-08	0.00E+00	5.39E-07	4.17E+04	1.26E-05
245	225	25.70	25699	4.77E-02	0.00E+00	4.99E-09	0.00E+00	0.00E+00	4.74E-02	0.00E+00	0.00E+00	0.00E+00	1.98E-08	2.05E-13	1.26E-13	5.07E-13	0.00E+00	3.43E-04	0.00E+00	0.00E+00	4.74E-08	0.00E+00	7.56E-07	0.00E+00	6.74E-06	2.57E+04	2.81E-02
246	226	47.02	47017	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-05	0.00E+00	1.94E-06	4.70E+04	4.86E-05
247	227	39.33	39327	3.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-06	3.93E+04	6.95E-05
248	228	39.33	39327	6.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-05	0.00E+00	7.29E-06	3.93E+04	1.45E-04
249	229	14.33	14333	5.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-10	0.00E+00	3.93E-09	1.43E+04	1.19E-07
250	230	44.26	44255	3.35E-03	0.00E+00	5.93E-14	0.00E+00	0.00E+00	3.33E-03	0.00E+00	0.00E+00	0.00E+00	2.23E-13	3.16E-16	4.02E-18	5.39E-17	0.00E+00	2.06E-05	0.00E+00	0.00E+00	3.99E-07	0.00E+00	1.42E-08	0.00E+00	2.66E-07	4.43E+04	1.97E-03
251	231	50.00	50000	9.61E-04	0.00E+00	8.62E-07	0.00E+00	0.00E+00	6.49E-04	0.00E+00	0.00E+00	0.00E+00	3.20E-06	2.47E-09	5.01E-10	3.72E-09	0.00E+00	2.80E-04	0.00E+00	0.00E+00	7.63E-21	0.00E+00	2.63E-05	0.00E+00	2.02E-06	5.00E+04	4.59E-04
252	232	50.00	50000	2.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-07	0.00E+00	6.83E-08	5.00E+04	1.25E-03
253	233	41.70	41696	3.16E-06	0.00E+00	1.22E-11	0.00E+00	0.00E+00	3.60E-14	0.00E+00	0.00E+00	0.00E+00	4.61E-11	3.58E-14	5.10E-15	1.76E-14	0.00E+00	3.13E-06	0.00E+00	0.00E+00	2.61E-10	0.00E+00	0.00E+00	0.00E+00	2.93E-08	4.17E+04	7.16E-07
254	234	33.22	33218	1.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-04	0.00E+00	0.00E+00	2.42E-08	0.00E+00	9.20E-06	0.00E+00	1.07E-06	3.32E+04	3.43E-05
255	235	31.48	31475	9.40E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-06	3.15E+04	2.11E-05
256	236	20.58	20577	5.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	1.98E+04	1.13E-04
257	237	37.13	37133	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-06	0.00E+00	9.14E-07	3.71E+04	2.49E-05
258	238	39.33	39327	3.55E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-08	0.00E+00	5.92E-07	3.93E+04	8.24E-06
259	239	50.00	50000	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-05	0.00E+00	0.00E+00	1.78E-06	0.00E+00	1.02E-05	0.00E+00	6.13E-07	5.00E+04	1.05E-04
260	240	39.33	39327	1.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-04	0.00E+00	0.00E+00	1.76E-08	0.00E+00	0.00E+00	0.00E+00	4.35E-07	3.93E+04	2.44E-05
261	241	31.48	31475	6.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.78E-05	0.00E+00	0.00E+00	2.67E-08	0.00E+00	9.94E-08	0.00E+00	2.37E-07	3.15E+04	1.68E-05
262	242	31.48	31475	1.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-07	3.15E+04	2.29E-05
263	243	50.00	50000	1.78E-03	0.00E+00	1.55E-18	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	0.00E+00	4.87E-16	3.18E-21	7.80E-21	3.47E-20	0.00E+00	3.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-08	0.00E+00	4.48E-07	5.00E+04	1.04E-03
264	244	24.51	24512	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	2.45E+04	9.08E-05
265	245	24.51	24512	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-06	2.45E+04	4.01E-05
266	246	35.10	35100	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-08	0.00E+00	3.14E-06	3.51E+04	1.37E-04
267	247	44.26	44255	6.64E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-05	0.00E+00	0.00E+00	8.15E-08	0.00E+00	0.00E+00	0.00E+00	8.19E-07	4.43E+04	1.50E-05
268	248	31.48	31475	5.52E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-05	0.00E+00	0.00E+00	2.12E-08	0.00E+00	0.00E+00	0.00E+00	9.24E-07	3.15E+04	1.24E-05
269	249	41.70	41696	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	4.09E-06	0.00E+00	5.19E-05	0.00E+00	8.40E-06	4.17E+04	8.80E-05
270	250	33.22	33218	6.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.48E-05	0.00E+00	3.27E-06	3.32E+04	1.54E-04

Base Case + Higher RD (alluvium, reducing) - Sorted by Tc-99 dose 1 of 3

3/8/00 DRJ

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Min		11.01	11005.00	5.243E-07	5.243E-04	0.000E+00	0.000E+00	1.101E+04	1.189E-07										
2	Max		50.00	50000.00	4.772E-02	4.772E+01	0.000E+00	0.000E+00	5.000E+04	2.809E-02										
3	Mean		34.56	34557.12	1.487E-03	1.487E+00	0.000E+00	0.000E+00	3.471E+04	7.880E-04										
4	Median		34.16	34159.00	2.497E-04	2.497E-01	0.000E+00	0.000E+00	3.510E+04	5.982E-05										
5	s.d.		9.87	9870.80	5.692E-03	5.692E+00	0.000E+00	0.000E+00	9.893E+03	3.367E-03										
6							Sorted by									Sorted by				
7	probability	vector	pktime	pktime	pktede	pktede	Tc99de	Tc99de	timedwpk	drnkh20		vector	pktime	pktime	pktede	pktede	Tc99de	Tc99de	timedwpk	drnkh20
8	n/250	unitless	yr/1000	yr	rem/yr	mrem/yr	mrem/yr	rem/yr	yr	rem/yr		unitless	yr/1000	yr	rem/yr	mrem/yr	mrem/yr	rem/yr	yr	rem/yr
9	1.0000	1	41.70	41696	1.33E-04	1.33E-01	0.00E+00	0.00E+00	4.17E+04	3.04E-05		229	14.33	14333	5.24E-07	5.24E-04	0.00E+00	0.00E+00	1.43E+04	1.19E-07
10	0.9960	2	25.70	25699	3.20E-04	3.20E-01	0.00E+00	0.00E+00	2.57E+04	7.17E-05		222	21.45	21450	1.02E-06	1.02E-03	0.00E+00	0.00E+00	2.15E+04	2.28E-07
11	0.9920	3	41.70	41696	4.46E-05	4.46E-02	0.00E+00	0.00E+00	4.17E+04	1.01E-05		31	50.00	50000	2.59E-06	2.59E-03	0.00E+00	0.00E+00	5.00E+04	6.42E-07
12	0.9880	4	23.41	23412	7.91E-04	7.91E-01	0.00E+00	0.00E+00	2.34E+04	1.96E-04		100	19.02	19018	2.88E-06	2.88E-03	0.00E+00	0.00E+00	1.90E+04	6.93E-07
13	0.9840	5	47.02	47017	6.72E-05	6.72E-02	0.00E+00	0.00E+00	4.70E+04	1.52E-05		233	41.70	41696	3.16E-06	3.16E-03	0.00E+00	0.00E+00	4.17E+04	7.16E-07
14	0.9800	6	33.22	33218	2.90E-04	2.90E-01	0.00E+00	0.00E+00	3.32E+04	6.58E-05		153	24.51	24512	3.96E-06	3.96E-03	0.00E+00	0.00E+00	2.45E+04	9.68E-07
15	0.9760	7	26.98	26981	8.25E-05	8.25E-02	0.00E+00	0.00E+00	2.70E+04	1.86E-05		45	28.37	28366	4.63E-06	4.63E-03	0.00E+00	0.00E+00	2.84E+04	1.05E-06
16	0.9720	8	25.70	25699	4.23E-05	4.23E-02	0.00E+00	0.00E+00	2.57E+04	9.46E-06		51	22.39	22393	5.31E-06	5.31E-03	0.00E+00	0.00E+00	2.24E+04	1.30E-06
17	0.9680	9	19.77	19768	2.80E-04	2.80E-01	0.00E+00	0.00E+00	2.06E+04	6.81E-05		146	50.00	50000	1.19E-05	1.19E-02	0.00E+00	0.00E+00	5.00E+04	2.69E-06
18	0.9640	10	39.33	39327	8.55E-04	8.55E-01	0.00E+00	0.00E+00	3.93E+04	1.97E-04		181	21.45	21450	1.52E-05	1.52E-02	0.00E+00	0.00E+00	2.15E+04	3.40E-06
19	0.9600	11	50.00	50000	6.65E-04	6.65E-01	0.00E+00	0.00E+00	5.00E+04	3.78E-04		26	11.01	11005	1.54E-05	1.54E-02	0.00E+00	0.00E+00	1.10E+04	3.47E-06
20	0.9560	12	20.58	20577	5.09E-04	5.09E-01	0.00E+00	0.00E+00	2.06E+04	1.15E-04		177	37.13	37133	1.72E-05	1.72E-02	0.00E+00	0.00E+00	3.71E+04	3.90E-06
21	0.9520	13	44.26	44255	3.83E-04	3.83E-01	0.00E+00	0.00E+00	4.43E+04	1.17E-04		56	50.00	50000	1.79E-05	1.79E-02	0.00E+00	0.00E+00	5.00E+04	4.04E-06
22	0.9480	14	41.70	41696	2.25E-04	2.25E-01	0.00E+00	0.00E+00	4.17E+04	5.09E-05		109	21.45	21450	1.97E-05	1.97E-02	0.00E+00	0.00E+00	2.15E+04	4.46E-06
23	0.9440	15	44.26	44255	2.17E-04	2.17E-01	0.00E+00	0.00E+00	4.43E+04	4.90E-05		141	22.39	22393	2.00E-05	2.00E-02	0.00E+00	0.00E+00	2.24E+04	4.51E-06
24	0.9400	16	21.45	21450	5.69E-05	5.69E-02	0.00E+00	0.00E+00	2.15E+04	1.29E-05		18	50.00	50000	2.09E-05	2.09E-02	0.00E+00	0.00E+00	5.00E+04	4.68E-06
25	0.9360	17	47.02	47017	8.98E-05	8.98E-02	0.00E+00	0.00E+00	5.00E+04	2.85E-05		136	50.00	50000	2.11E-05	2.11E-02	0.00E+00	0.00E+00	5.00E+04	8.37E-06
26	0.9320	18	50.00	50000	2.09E-05	2.09E-02	0.00E+00	0.00E+00	5.00E+04	4.68E-06		79	33.22	33218	2.18E-05	2.18E-02	0.00E+00	0.00E+00	3.32E+04	4.88E-06
27	0.9280	19	20.58	20577	7.50E-05	7.50E-02	0.00E+00	0.00E+00	2.06E+04	1.69E-05		121	23.41	23412	2.27E-05	2.27E-02	0.00E+00	0.00E+00	2.34E+04	5.07E-06
28	0.9240	20	35.10	35100	6.96E-05	6.96E-02	0.00E+00	0.00E+00	3.51E+04	1.57E-05		111	50.00	50000	2.45E-05	2.45E-02	0.00E+00	0.00E+00	5.00E+04	5.51E-06
29	0.9200	21	21.45	21450	1.41E-04	1.41E-01	0.00E+00	0.00E+00	2.15E+04	3.19E-05		73	39.33	39327	2.57E-05	2.57E-02	0.00E+00	0.00E+00	3.93E+04	5.82E-06
30	0.9160	22	37.13	37133	3.58E-02	3.58E+01	0.00E+00	0.00E+00	3.71E+04	2.10E-02		23	35.10	35100	2.64E-05	2.64E-02	0.00E+00	0.00E+00	3.51E+04	6.40E-06
31	0.9120	23	35.10	35100	2.64E-05	2.64E-02	0.00E+00	0.00E+00	3.51E+04	6.40E-06		118	20.58	20577	2.78E-05	2.78E-02	0.00E+00	0.00E+00	2.06E+04	6.23E-06
32	0.9080	24	28.37	28366	3.76E-04	3.76E-01	0.00E+00	0.00E+00	2.84E+04	8.48E-05		165	37.13	37133	2.80E-05	2.80E-02	0.00E+00	0.00E+00	3.71E+04	6.32E-06
33	0.9040	25	33.22	33218	3.35E-04	3.35E-01	0.00E+00	0.00E+00	3.32E+04	7.62E-05		43	50.00	50000	3.14E-05	3.14E-02	0.00E+00	0.00E+00	5.00E+04	7.64E-06
34	0.9000	26	11.01	11005	1.54E-05	1.54E-02	0.00E+00	0.00E+00	1.10E+04	3.47E-06		99	25.70	25699	3.41E-05	3.41E-02	0.00E+00	0.00E+00	2.57E+04	7.72E-06
35	0.8960	27	44.26	44255	3.12E-04	3.12E-01	0.00E+00	0.00E+00	4.43E+04	7.10E-05		238	39.33	39327	3.55E-05	3.55E-02	0.00E+00	0.00E+00	3.93E+04	8.24E-06
36	0.8920	28	26.98	26981	4.82E-04	4.82E-01	0.00E+00	0.00E+00	2.70E+04	1.08E-04		166	37.13	37133	3.58E-05	3.58E-02	0.00E+00	0.00E+00	3.71E+04	8.08E-06
37	0.8880	29	28.37	28366	1.59E-04	1.59E-01	0.00E+00	0.00E+00	2.84E+04	3.74E-05		221	39.33	39327	3.63E-05	3.63E-02	0.00E+00	0.00E+00	3.71E+04	8.59E-06
38	0.8840	30	19.02	19018	5.03E-04	5.03E-01	0.00E+00	0.00E+00	1.90E+04	1.12E-04		44	41.70	41696	3.68E-05	3.68E-02	0.00E+00	0.00E+00	4.17E+04	9.02E-06
39	0.8800	31	50.00	50000	2.59E-06	2.59E-03	0.00E+00	0.00E+00	5.00E+04	6.42E-07		83	37.13	37133	3.85E-05	3.85E-02	0.00E+00	0.00E+00	5.00E+04	8.95E-06
40	0.8760	32	19.02	19018	2.69E-04	2.69E-01	0.00E+00	0.00E+00	1.90E+04	6.62E-05		139	37.13	37133	3.94E-05	3.94E-02	0.00E+00	0.00E+00	3.71E+04	8.91E-06
41	0.8720	33	39.33	39327	4.88E-04	4.88E-01	0.00E+00	0.00E+00	3.93E+04	1.11E-04		71	25.70	25699	4.08E-05	4.08E-02	0.00E+00	0.00E+00	2.70E+04	9.60E-06
42	0.8680	34	25.70	25699	8.78E-04	8.78E-01	0.00E+00	0.00E+00	2.57E+04	1.97E-04		8	25.70	25699	4.23E-05	4.23E-02	0.00E+00	0.00E+00	2.57E+04	9.46E-06
43	0.8640	35	39.33	39327	9.08E-04	9.08E-01	0.00E+00	0.00E+00	3.93E+04	2.06E-04		3	41.70	41696	4.46E-05	4.46E-02	0.00E+00	0.00E+00	4.17E+04	1.01E-05
44	0.8600	36	44.26	44255	1.75E-03	1.75E+00	0.00E+00	0.00E+00	4.43E+04	1.03E-03		101	50.00	50000	4.50E-05	4.50E-02	0.00E+00	0.00E+00	5.00E+04	1.31E-05
45	0.8560	37	39.33	39327	2.51E-04	2.51E-01	0.00E+00	0.00E+00	3.93E+04	5.67E-05		219	37.13	37133	4.66E-05	4.66E-02	0.00E+00	0.00E+00	3.71E+04	1.05E-05
46	0.8520	38	50.00	50000	2.84E-02	2.84E+01	0.00E+00	0.00E+00	5.00E+04	1.67E-02		41	26.98	26981	4.78E-05	4.78E-02	0.00E+00	0.00E+00	2.70E+04	1.08E-05
47	0.8480	39	25.70	25699	2.84E-04	2.84E-01	0.00E+00	0.00E+00	2.57E+04	6.36E-05		104	28.37	28366	4.99E-05	4.99E-02	0.00E+00	0.00E+00	2.84E+04	1.23E-05
48	0.8440	40	35.10	35100	8.07E-04	8.07E-01	0.00E+00	0.00E+00	3.51E+04	1.82E-04		224	41.70	41696	5.10E-05	5.10E-02	0.00E+00	0.00E+00	4.17E+04	1.26E-05
49	0.8400	41	26.98	26981	4.78E-05	4.78E-02	0.00E+00	0.00E+00	2.70E+04	1.08E-05		189	50.00	50000	5.23E-05	5.23E-02	0.00E+00	0.00E+00	5.00E+04	1.29E-05
50	0.8360	42	35.10	35100	1.50E-04	1.50E-01	0.00E+00	0.00E+00	3.51E+04	3.55E-05		204	37.13	37133	5.34E-05	5.34E-02	0.00E+00	0.00E+00	3.93E+04	1.22E-05
51	0.8320	43	50.00	50000	3.14E-05	3.14E-02	0.00E+00	0.00E+00	5.00E+04	7.64E-06		182	50.00	50000	5.46E-05	5.46E-02	0.00E+00	0.00E+00	5.00E+04	3.08E-05
52	0.8280	44	41.70	41696	3.68E-05	3.68E-02	0.00E+00	0.00E+00	4.17E+04	9.02E-06		248	31.48	31475	5.52E-05	5.52E-02	0.00E+00	0.00E+00	3.15E+04	1.24E-05
53	0.8240	45	28.37	28366	4.63E-06	4.63E-03	0.00E+00	0.00E+00	2.84E+04	1.05E-06		16	21.45	21450	5.69E-05	5.69E-02	0.00E+00	0.00E+00	2.15E+04	1.29E-05
54	0.8200	46	19.02	19018	6.30E-04	6.30E-01	0.00E+00	0.00E+00	1.90E+04	1.41E-04		195	47.02	47017	5.70E-05	5.70E-02	0.00E+00	0.00E+00	4.70E+04	1.29E-05
55	0.8160	47	25.70	25699	4.20E-04	4.20E-01	0.00E+00	0.00E+00	2.57E+04	1.04E-04		178	47.02	47017	5.81E-05	5.81E-02	0.00E+00	0.00E+00	4.70E+04	1.32E-05
56	0.8120	48	50.00	50000	2.71E-04	2.71E-01	0.00E+00	0.00E+00	5.00E+04	6.16E-05		95	29.86	29861	6.00E-05	6.00E-02	0.00E+00	0.00E+00	2.99E+04	1.36E-05
57	0.8080	49	21.45	21450	1.90E-04	1.90E-01	0.00E+00	0.00E+00	2.15E+04	4.25E-05		247	44.26	44255	6.64E-05	6.64E-02	0.00E+00	0.00E+00	4.43E+04	1.50E-05
58	0.8040	50	37.13	37133	7.95E-04	7.95E-01	0.00E+00	0.00E+00	3.71E+04	1.81E-04		5	47.02	47017	6.72E-05	6.72E-02	0.00E+00	0.00E+00	4.70E+04	1.52E-05
59	0.8000	51	22.39	22393	5.31E-06	5.31E-03	0.00E+00	0.00E+00	2.24E+04	1.30E-06		241	31.48	31475	6.80E-05	6.80E-02	0.00E+00	0.00E+00	3.15E+04	1.68E-05
60	0.7960	52	26.98	26981	3.69E-04	3.69E-01	0.00E+00	0.00E+00	2.70E+04	8.24E-05		20	35.10	35100	6.96E-05	6.96E-02	0.00E+00	0.00E+00	3.51E+04	1.57E-05
61	0.7920	53	19.77	19768	2.49E-04	2.49E-01	0.00E+00	0.00E+00	2.34E+04	5.94E-05		69	41.70	41696	7.01E-05	7.01E-02	0.00E+00	0.00E+00	4.17E+04	1.58E-05
62	0.7880	54	22.39	22393	5.08E-04	5.08E-01	0.00E+00	0.00E+00	2.24E+04	1.26E-04		167	29.86	29861	7.23E-05	7.23E-02	0.00E+00	0.00E+00	2.99E+04	1.63E-05
63	0.7840	55	41.70	41696	3.20E-04	3.20E-01	0.00E+00	0.00E+00	4.17E+04	7.71E-05		92	44.26	44255	7.32E-05	7.32E-02	0.00E+00	0.00E+00	4.43E+04	1.66E-05
64	0.7800	56	50.00	50000	1.79E-05	1.79E-02	0.00E+00	0.00E+00	5.00E+04	4.04E-06		19	20.58	20577	7.50E-05	7.50E-02	0.00E+00	0.00E+00	2.06E+04	1.69E-05
65	0.7760	57	29.86	29861	1.33E-03	1.33E+00	0.00E+00	0.00E+00	2.99E+04	3.00E-04		223	39.33	39327	7.64E-05	7.64E-02	0.00E+00	0.00E+00	3.93E+04	1.73E-05
66	0.7720	58	50.00	50000	2.71E-02	2.71E+01	0.00E+00	0.00E+00	5.00E+04	1.59E-02		81	41.70	41696	7.67E-05	7.67E-02	0.00E+00	0.00E+00	4.17E+04	1.74E-05
67	0.7680	59	35.10	35100	2.00E-04	2.00E-01	0.00E+00	0.00E+00	3.51E+04	4.55E-05		174	47.02	47017	7.93E-05	7.93E-02	0.00E+00	0.00E+00	4.70E+04	1.80E-05
68	0.7640	60	47.02	47017	6.67E-03	6.67E+00	0.00E+00	0.00E+00	4.70E+04	3.93E-03		113	44.26	44255	7.99E-05	7.99E-02	0.00E+00	0.00E+00	4.43E+04	1.81E-05
69	0.7600	61	22.39	22393	2.44E-04	2.44E-01	0.00E+00	0.00E+00	2.24E+04	6.02E-05		77	24.51	24512	8.14E-05	8.14E-02	0.00E+00	0.00E+00	2.45E+04	1.84E-05
70	0.7560	62	47.02	47017	2.68E-04	2.68E-01	0.00E+00	0.00E+00	4.70E+04	6.55E-05		7	26.98	26981	8.25E-05	8.25E-02	0.00E+00	0.00E+00	2.70E+04	1.86E-05
71	0.7520	63	20.58	20577	2.16E-04	2.16E-01	0.00E+00	0.00E+00	2.06E+04	4.84E-05		172	44.26	44255	8.39E-05	8.39E-02	0.00E+00	0.00E+00	4.43E+04	1.90E-05
72	0.7480	64	21.45	21450	1.61E-04	1.61E-01	0.00E+00	0.00E+00	2.15E+04	3.62E-05		194	31.48	31475	8.49E-05	8.49E-02	0.00E+00	0.00E+00	3.15E+04	1.91E-05
73	0.7440	65	39.33	39327	1.23E-04	1.23E-01	0.00E+00	0.00E+00	3.93E+04	2.76E-05		213	50.00	50000	8.60E-05	8.60E-02	0.00E+00	0.00E+00	5.00E+04	3.86E-05
74	0.7400	66	25.70	25699	3.78E-04	3.78E-01	0.00E+00	0.00E+00	2.57E+04	8.56E-05		180	35.10	35100	8.64E-05	8.64E-02	0.00E+00	0.00E+00	3.51E+04	1.96E-05
75	0.7360	67	29.86	29861	2.84E-04	2.84E-01	0.00E+00	0.00E+00	2.99E+04	6.46E-05		133	29.86	29861	8.71E-05	8.71E-02	0.00E+00	0.00E+00	2.99E+04	1.95E-05
76	0.7320	68	31.48	31475	3.21E-04	3.21E-01	0.00E+00	0.00E+00	3.15E+04	7.30E-05		17	47.02	47017	8.98E-05	8.98E-02	0.00E+00	0.00E+00	5.00E+04	2.85E-05
77	0.7280	69	41.70	41696	7.01E-05	7.01E-02	0.00E+00	0.00E+00	4.17E+04	1.58E-05		119	35.10	35100	9.16E-05	9.16E-02	0.00E+00	0.00E+00	3.51E+04	2.07E-05
78	0.7240	70	37.13	37133	2.47E-04	2.47E-01	0.00E+00	0.00E+00	3.71E+04	5.61E-05		212	47.02	47017	9.23E-05	9.23E-02	0.00E+00	0.00E+00	4.70E+04	2.05E-05
79	0.7200	71	25.70	25699	4.08E-05	4.08E-02	0.00E+00	0.00E+00	2.70E+04	9.60E-06		235	31.48	31475	9.40E-05	9.40E-02	0.00E+00	0.00E+00	3.15E+04	2.11E-05
80	0.7160	72	29.86	29861	1.73E-04	1.73E-01	0.00E+00	0.00E+00	2.99E+04	3.91E-05		242	31.48	31475	1.01E-04	1.01E-01	0.00E+00	0.00E+00	3.15E+04	2.29E-05
81	0.7120	73	39.33	39327	2.57E-05	2.57E-02	0.00E+00	0.00E+00	3.93E+04	5.82E-06		210	47.02	47017	1.02E-04	1.02E-01	0.00E+00	0.00E+00	4.70E+04	2.31E-05
82	0.7080	74	26.98	26981	2.72E-04	2.72E-01	0.00E+00	0.00E+00	2.70E+04	6.11E-05		237	37.13	37133	1.03E-04	1.03E-01	0.00E+00	0.00E+00	3.71E+04	2.49E-05
83	0.7040	75	17.09	17087	6.83E-04	6.83E-01	0.00E+00	0.00E+00	1.71E+04	1.53E-04		161	22.39	22393	1.06E-04	1.06E-01	0.00E+00	0.00E+00	2.24E+04	2.41E-05
84	0.7000	76	25.70	25699	2.34E-04	2.34E-01	0.00E+00	0.00E+00	2.57E+04	5.32E-05		240	39.33	39327	1.08E-04	1.08E-01	0.00E+00	0.00E+00	3.93E+04	2.44E-05
85	0.6960	77	24.51	24512	8.14E-05	8.14E-02	0.00E+00	0.00E+00	2.45E+04	1.84E-05		120	39.33	39327	1.09E-04	1.09E-01	0.00E+00	0.00E+00	3.93E+04	2.54E-05
86	0.6920	78	35.10	35100	5.10E-04	5.10E-01	0.00E+00	0.00E+00	3.51E+04	1.16E-04		190	50.00	50000	1.09E-04	1.09E-01	0.00E+00	0.00E+00	5.00E+04	2.69E-05
87	0.6880	79	33.22	33218	2.18E-05	2.18E-02	0.00E+00	0.00E+00	3.32E+04	4.88E-06		117	23.41	23412	1.13E-04	1.13E-01	0.00E+00	0.00E+00	2.34E+04	2.53E-05

3/13/00
DRJ

Base Case + Higher Rd alluvium - Sorted   2 of 3

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
88	0.6840	80	22.39	22393	3.22E-04	3.22E-01	0.00E+00	0.00E+00	2.24E+04	7.39E-05		208	44.26	44255	1.14E-04	1.14E-01	0.00E+00	0.00E+00	4.43E+04	2.58E-05
89	0.6800	81	41.70	41696	7.67E-05	7.67E-02	0.00E+00	0.00E+00	4.17E+04	1.74E-05		140	31.48	31475	1.19E-04	1.19E-01	0.00E+00	0.00E+00	3.15E+04	2.68E-05
90	0.6760	82	37.13	37133	4.80E-03	4.80E+00	0.00E+00	0.00E+00	3.71E+04	2.69E-03		187	41.70	41696	1.19E-04	1.19E-01	0.00E+00	0.00E+00	4.17E+04	2.81E-05
91	0.6720	83	37.13	37133	3.85E-05	3.85E-02	0.00E+00	0.00E+00	5.00E+04	8.95E-06		65	39.33	39327	1.23E-04	1.23E-01	0.00E+00	0.00E+00	3.93E+04	2.76E-05
92	0.6680	84	29.86	29861	3.49E-04	3.49E-01	0.00E+00	0.00E+00	2.99E+04	7.90E-05		137	26.98	26981	1.25E-04	1.25E-01	0.00E+00	0.00E+00	2.70E+04	2.84E-05
93	0.6640	85	28.37	28366	1.78E-04	1.78E-01	0.00E+00	0.00E+00	2.84E+04	4.03E-05		1	41.70	41696	1.33E-04	1.33E-01	0.00E+00	0.00E+00	4.17E+04	3.04E-05
94	0.6600	86	50.00	50000	9.34E-04	9.34E-01	0.00E+00	0.00E+00	5.00E+04	5.22E-04		173	39.33	39327	1.35E-04	1.35E-01	0.00E+00	0.00E+00	3.93E+04	3.05E-05
95	0.6560	87	37.13	37133	2.27E-04	2.27E-01	0.00E+00	0.00E+00	3.71E+04	5.14E-05		21	21.45	21450	1.41E-04	1.41E-01	0.00E+00	0.00E+00	2.15E+04	3.19E-05
96	0.6520	88	23.41	23412	1.51E-04	1.51E-01	0.00E+00	0.00E+00	2.34E+04	3.39E-05		206	41.70	41696	1.42E-04	1.42E-01	0.00E+00	0.00E+00	3.93E+04	8.12E-05
97	0.6480	89	23.41	23412	3.79E-04	3.79E-01	0.00E+00	0.00E+00	2.34E+04	8.53E-05		130	37.13	37133	1.45E-04	1.45E-01	0.00E+00	0.00E+00	3.71E+04	3.44E-05
98	0.6440	90	37.13	37133	3.59E-04	3.59E-01	0.00E+00	0.00E+00	3.71E+04	8.16E-05		234	33.22	33218	1.46E-04	1.46E-01	0.00E+00	0.00E+00	3.32E+04	3.43E-05
99	0.6400	91	19.02	19018	2.13E-04	2.13E-01	0.00E+00	0.00E+00	1.90E+04	4.76E-05		108	31.48	31475	1.46E-04	1.46E-01	0.00E+00	0.00E+00	3.15E+04	3.32E-05
100	0.6360	92	44.26	44255	7.32E-05	7.32E-02	0.00E+00	0.00E+00	4.43E+04	1.66E-05		42	35.10	35100	1.50E-04	1.50E-01	0.00E+00	0.00E+00	3.51E+04	3.55E-05
101	0.6320	93	50.00	50000	9.74E-03	9.74E+00	0.00E+00	0.00E+00	5.00E+04	5.74E-03		88	23.41	23412	1.51E-04	1.51E-01	0.00E+00	0.00E+00	2.34E+04	3.39E-05
102	0.6280	94	33.22	33218	2.33E-04	2.33E-01	0.00E+00	0.00E+00	3.32E+04	5.28E-05		147	39.33	39327	1.56E-04	1.56E-01	0.00E+00	0.00E+00	3.93E+04	3.75E-05
103	0.6240	95	29.86	29861	6.00E-05	6.00E-02	0.00E+00	0.00E+00	2.99E+04	1.36E-05		29	28.37	28366	1.59E-04	1.59E-01	0.00E+00	0.00E+00	2.84E+04	3.74E-05
104	0.6200	96	47.02	47017	3.28E-04	3.28E-01	0.00E+00	0.00E+00	4.70E+04	7.42E-05		64	21.45	21450	1.61E-04	1.61E-01	0.00E+00	0.00E+00	2.15E+04	3.62E-05
105	0.6160	97	50.00	50000	1.03E-03	1.03E+00	0.00E+00	0.00E+00	5.00E+04	6.04E-04		72	29.86	29861	1.73E-04	1.73E-01	0.00E+00	0.00E+00	2.99E+04	3.91E-05
106	0.6120	98	41.70	41696	2.85E-04	2.85E-01	0.00E+00	0.00E+00	4.17E+04	1.67E-04		131	22.39	22393	1.77E-04	1.77E-01	0.00E+00	0.00E+00	2.24E+04	3.96E-05
107	0.6080	99	25.70	25699	3.41E-05	3.41E-02	0.00E+00	0.00E+00	2.57E+04	7.72E-06		85	28.37	28366	1.78E-04	1.78E-01	0.00E+00	0.00E+00	2.84E+04	4.03E-05
108	0.6040	100	19.02	19018	2.88E-06	2.88E-03	0.00E+00	0.00E+00	1.90E+04	6.93E-07		245	24.51	24512	1.79E-04	1.79E-01	0.00E+00	0.00E+00	2.45E+04	4.01E-05
109	0.6000	101	50.00	50000	4.50E-05	4.50E-02	0.00E+00	0.00E+00	5.00E+04	1.31E-05		202	47.02	47017	1.79E-04	1.79E-01	0.00E+00	0.00E+00	4.70E+04	4.06E-05
110	0.5960	102	26.98	26981	2.34E-04	2.34E-01	0.00E+00	0.00E+00	2.70E+04	5.25E-05		145	33.22	33218	1.79E-04	1.79E-01	0.00E+00	0.00E+00	3.32E+04	4.13E-05
111	0.5920	103	23.41	23412	2.44E-04	2.44E-01	0.00E+00	0.00E+00	2.34E+04	5.44E-05		201	37.13	37133	1.82E-04	1.82E-01	0.00E+00	0.00E+00	3.71E+04	4.12E-05
112	0.5880	104	28.37	28366	4.99E-05	4.99E-02	0.00E+00	0.00E+00	2.84E+04	1.23E-05		49	21.45	21450	1.90E-04	1.90E-01	0.00E+00	0.00E+00	2.15E+04	4.25E-05
113	0.5840	105	41.70	41696	3.49E-04	3.49E-01	0.00E+00	0.00E+00	4.17E+04	7.92E-05		123	31.48	31475	1.92E-04	1.92E-01	0.00E+00	0.00E+00	3.15E+04	4.37E-05
114	0.5800	106	39.33	39327	2.06E-04	2.06E-01	0.00E+00	0.00E+00	4.17E+04	4.80E-05		175	37.13	37133	1.96E-04	1.96E-01	0.00E+00	0.00E+00	3.71E+04	4.57E-05
115	0.5760	107	22.39	22393	7.55E-04	7.55E-01	0.00E+00	0.00E+00	2.24E+04	1.74E-04		226	47.02	47017	1.98E-04	1.98E-01	0.00E+00	0.00E+00	4.70E+04	4.86E-05
116	0.5720	108	31.48	31475	1.46E-04	1.46E-01	0.00E+00	0.00E+00	3.15E+04	3.32E-05		59	35.10	35100	2.00E-04	2.00E-01	0.00E+00	0.00E+00	3.51E+04	4.55E-05
117	0.5680	109	21.45	21450	1.97E-05	1.97E-02	0.00E+00	0.00E+00	2.15E+04	4.46E-06		106	39.33	39327	2.06E-04	2.06E-01	0.00E+00	0.00E+00	4.17E+04	4.80E-05
118	0.5640	110	20.58	20577	6.13E-04	6.13E-01	0.00E+00	0.00E+00	2.06E+04	1.37E-04		218	44.26	44255	2.09E-04	2.09E-01	0.00E+00	0.00E+00	4.43E+04	4.73E-05
119	0.5600	111	50.00	50000	2.45E-05	2.45E-02	0.00E+00	0.00E+00	5.00E+04	5.51E-06		198	33.22	33218	2.12E-04	2.12E-01	0.00E+00	0.00E+00	3.32E+04	5.16E-05
120	0.5560	112	50.00	50000	2.92E-02	2.92E+01	0.00E+00	0.00E+00	5.00E+04	1.72E-02		91	19.02	19018	2.13E-04	2.13E-01	0.00E+00	0.00E+00	1.90E+04	4.76E-05
121	0.5520	113	44.26	44255	7.99E-05	7.99E-02	0.00E+00	0.00E+00	4.43E+04	1.81E-05		211	33.22	33218	2.16E-04	2.16E-01	0.00E+00	0.00E+00	3.32E+04	4.90E-05
122	0.5480	114	50.00	50000	1.38E-02	1.38E+01	0.00E+00	0.00E+00	5.00E+04	8.12E-03		63	20.58	20577	2.16E-04	2.16E-01	0.00E+00	0.00E+00	2.06E+04	4.84E-05
123	0.5440	115	25.70	25699	3.91E-04	3.91E-01	0.00E+00	0.00E+00	2.57E+04	8.85E-05		15	44.26	44255	2.17E-04	2.17E-01	0.00E+00	0.00E+00	4.43E+04	4.90E-05
124	0.5400	116	31.48	31475	3.31E-04	3.31E-01	0.00E+00	0.00E+00	3.15E+04	8.22E-05		14	41.70	41696	2.25E-04	2.25E-01	0.00E+00	0.00E+00	4.17E+04	5.09E-05
125	0.5360	117	23.41	23412	1.13E-04	1.13E-01	0.00E+00	0.00E+00	2.34E+04	2.53E-05		87	37.13	37133	2.27E-04	2.27E-01	0.00E+00	0.00E+00	3.71E+04	5.14E-05
126	0.5320	118	20.58	20577	2.78E-05	2.78E-02	0.00E+00	0.00E+00	2.06E+04	6.23E-06		239	50.00	50000	2.31E-04	2.31E-01	0.00E+00	0.00E+00	5.00E+04	1.05E-04
127	0.5280	119	35.10	35100	9.16E-05	9.16E-02	0.00E+00	0.00E+00	3.51E+04	2.07E-05		94	33.22	33218	2.33E-04	2.33E-01	0.00E+00	0.00E+00	3.32E+04	5.28E-05
128	0.5240	120	39.33	39327	1.09E-04	1.09E-01	0.00E+00	0.00E+00	3.93E+04	2.54E-05		102	26.98	26981	2.34E-04	2.34E-01	0.00E+00	0.00E+00	2.70E+04	5.25E-05
129	0.5200	121	23.41	23412	2.27E-05	2.27E-02	0.00E+00	0.00E+00	2.34E+04	5.07E-06		76	25.70	25699	2.34E-04	2.34E-01	0.00E+00	0.00E+00	2.57E+04	5.32E-05
130	0.5160	122	26.98	26981	7.09E-04	7.09E-01	0.00E+00	0.00E+00	2.84E+04	1.65E-04		103	23.41	23412	2.44E-04	2.44E-01	0.00E+00	0.00E+00	2.34E+04	5.44E-05
131	0.5120	123	31.48	31475	1.92E-04	1.92E-01	0.00E+00	0.00E+00	3.15E+04	4.37E-05		61	22.39	22393	2.44E-04	2.44E-01	0.00E+00	0.00E+00	2.24E+04	6.02E-05
132	0.5080	124	31.48	31475	2.94E-04	2.94E-01	0.00E+00	0.00E+00	3.15E+04	6.66E-05		70	37.13	37133	2.47E-04	2.47E-01	0.00E+00	0.00E+00	3.71E+04	5.61E-05
133	0.5040	125	50.00	50000	7.88E-03	7.88E+00	0.00E+00	0.00E+00	5.00E+04	4.65E-03		53	19.77	19768	2.49E-04	2.49E-01	0.00E+00	0.00E+00	2.34E+04	5.94E-05
134	0.5000	126	33.22	33218	2.78E-04	2.78E-01	0.00E+00	0.00E+00	3.93E+04	6.30E-05		170	50.00	50000	2.51E-04	2.51E-01	0.00E+00	0.00E+00	5.00E+04	1.25E-04
135	0.4960	127	29.86	29861	4.85E-04	4.85E-01	0.00E+00	0.00E+00	2.99E+04	1.10E-04		37	39.33	39327	2.51E-04	2.51E-01	0.00E+00	0.00E+00	3.93E+04	5.67E-05
136	0.4920	128	50.00	50000	2.69E-03	2.69E+00	0.00E+00	0.00E+00	5.00E+04	1.56E-03		184	33.22	33218	2.59E-04	2.59E-01	0.00E+00	0.00E+00	3.32E+04	5.85E-05
137	0.4880	129	29.86	29861	3.87E-04	3.87E-01	0.00E+00	0.00E+00	2.99E+04	8.79E-05		155	28.37	28366	2.60E-04	2.60E-01	0.00E+00	0.00E+00	2.84E+04	5.86E-05
138	0.4840	130	37.13	37133	1.45E-04	1.45E-01	0.00E+00	0.00E+00	3.71E+04	3.44E-05		62	47.02	47017	2.68E-04	2.68E-01	0.00E+00	0.00E+00	4.70E+04	6.55E-05
139	0.4800	131	22.39	22393	1.77E-04	1.77E-01	0.00E+00	0.00E+00	2.24E+04	3.96E-05		32	19.02	19018	2.69E-04	2.69E-01	0.00E+00	0.00E+00	1.90E+04	6.62E-05
140	0.4760	132	50.00	50000	2.95E-04	2.95E-01	0.00E+00	0.00E+00	5.00E+04	1.18E-04		48	50.00	50000	2.71E-04	2.71E-01	0.00E+00	0.00E+00	5.00E+04	6.16E-05
141	0.4720	133	29.86	29861	8.71E-05	8.71E-02	0.00E+00	0.00E+00	2.99E+04	1.95E-05		249	41.70	41696	2.72E-04	2.72E-01	0.00E+00	0.00E+00	4.17E+04	6.80E-05
142	0.4680	134	28.37	28366	6.75E-04	6.75E-01	0.00E+00	0.00E+00	2.84E+04	1.51E-04		74	26.98	26981	2.72E-04	2.72E-01	0.00E+00	0.00E+00	2.70E+04	6.11E-05
143	0.4640	135	35.10	35100	1.23E-03	1.23E+00	0.00E+00	0.00E+00	3.51E+04	2.83E-04		126	33.22	33218	2.78E-04	2.78E-01	0.00E+00	0.00E+00	3.93E+04	6.30E-05
144	0.4600	136	50.00	50000	2.11E-05	2.11E-02	0.00E+00	0.00E+00	5.00E+04	8.37E-06		9	19.77	19768	2.80E-04	2.80E-01	0.00E+00	0.00E+00	2.06E+04	6.81E-05
145	0.4560	137	26.98	26981	1.25E-04	1.25E-01	0.00E+00	0.00E+00	2.70E+04	2.84E-05		67	29.86	29861	2.84E-04	2.84E-01	0.00E+00	0.00E+00	2.99E+04	6.46E-05
146	0.4520	138	39.33	39327	5.85E-04	5.85E-01	0.00E+00	0.00E+00	3.93E+04	1.35E-04		39	25.70	25699	2.84E-04	2.84E-01	0.00E+00	0.00E+00	2.57E+04	6.36E-05
147	0.4480	139	37.13	37133	3.94E-05	3.94E-02	0.00E+00	0.00E+00	3.71E+04	8.91E-06		98	41.70	41696	2.85E-04	2.85E-01	0.00E+00	0.00E+00	4.17E+04	1.67E-04
148	0.4440	140	31.48	31475	1.19E-04	1.19E-01	0.00E+00	0.00E+00	3.15E+04	2.68E-05		205	20.58	20577	2.85E-04	2.85E-01	0.00E+00	0.00E+00	2.06E+04	6.37E-05
149	0.4400	141	22.39	22393	2.00E-05	2.00E-02	0.00E+00	0.00E+00	2.24E+04	4.51E-06		6	33.22	33218	2.90E-04	2.90E-01	0.00E+00	0.00E+00	3.32E+04	6.58E-05
150	0.4360	142	24.61	24512	2.91E-04	2.91E-01	0.00E+00	0.00E+00	2.45E+04	7.44E-05		142	24.51	24512	2.91E-04	2.91E-01	0.00E+00	0.00E+00	2.45E+04	7.44E-05
151	0.4320	143	33.22	33218	3.71E-04	3.71E-01	0.00E+00	0.00E+00	3.32E+04	8.35E-05		124	31.48	31475	2.94E-04	2.94E-01	0.00E+00	0.00E+00	3.15E+04	6.66E-05
152	0.4280	144	33.22	33218	4.60E-04	4.60E-01	0.00E+00	0.00E+00	3.32E+04	1.10E-04		132	50.00	50000	2.95E-04	2.95E-01	0.00E+00	0.00E+00	5.00E+04	1.18E-04
153	0.4240	145	33.22	33218	1.79E-04	1.79E-01	0.00E+00	0.00E+00	3.32E+04	4.13E-05		197	50.00	50000	2.96E-04	2.96E-01	0.00E+00	0.00E+00	5.00E+04	1.12E-04
154	0.4200	146	50.00	50000	1.19E-05	1.19E-02	0.00E+00	0.00E+00	5.00E+04	2.69E-06		179	31.48	31475	2.98E-04	2.98E-01	0.00E+00	0.00E+00	3.15E+04	6.75E-05
155	0.4160	147	39.33	39327	1.56E-04	1.56E-01	0.00E+00	0.00E+00	3.93E+04	3.75E-05		183	19.02	19018	2.98E-04	2.98E-01	0.00E+00	0.00E+00	1.90E+04	6.71E-05
156	0.4120	148	50.00	50000	3.38E-04	3.38E-01	0.00E+00	0.00E+00	5.00E+04	7.58E-05		227	39.33	39327	3.08E-04	3.08E-01	0.00E+00	0.00E+00	3.93E+04	6.95E-05
157	0.4080	149	25.70	25699	5.23E-04	5.23E-01	0.00E+00	0.00E+00	3.32E+04	1.17E-04		27	44.26	44255	3.12E-04	3.12E-01	0.00E+00	0.00E+00	4.43E+04	7.10E-05
158	0.4040	150	50.00	50000	4.79E-04	4.79E-01	0.00E+00	0.00E+00	5.00E+04	2.81E-04		55	41.70	41696	3.20E-04	3.20E-01	0.00E+00	0.00E+00	4.17E+04	7.71E-05
159	0.4000	151	20.58	20577	4.96E-04	4.96E-01	0.00E+00	0.00E+00	2.06E+04	1.12E-04		2	25.70	25699	3.20E-04	3.20E-01	0.00E+00	0.00E+00	2.57E+04	7.17E-05
160	0.3960	152	22.39	22393	4.88E-04	4.88E-01	0.00E+00	0.00E+00	2.24E+04	1.10E-04		68	31.48	31475	3.21E-04	3.21E-01	0.00E+00	0.00E+00	3.15E+04	7.30E-05
161	0.3920	153	24.51	24512	3.96E-06	3.96E-03	0.00E+00	0.00E+00	2.45E+04	9.68E-07		80	22.39	22393	3.22E-04	3.22E-01	0.00E+00	0.00E+00	2.24E+04	7.39E-05
162	0.3880	154	31.48	31475	3.40E-04	3.40E-01	0.00E+00	0.00E+00	3.15E+04	7.72E-05		96	47.02	47017	3.28E-04	3.28E-01	0.00E+00	0.00E+00	4.70E+04	7.42E-05
163	0.3840	155	28.37	28366	2.60E-04	2.60E-01	0.00E+00	0.00E+00	2.84E+04	5.86E-05		116	31.48	31475	3.31E-04	3.31E-01	0.00E+00	0.00E+00	3.15E+04	8.22E-05
164	0.3800	156	23.41	23412	6.70E-04	6.70E-01	0.00E+00	0.00E+00	2.34E+04	1.51E-04		25	33.22	33218	3.35E-04	3.35E-01	0.00E+00	0.00E+00	3.32E+04	7.62E-05
165	0.3760	157	20.58	20577	7.21E-04	7.21E-01	0.00E+00	0.00E+00	2.06E+04	1.63E-04		148	50.00	50000	3.38E-04	3.38E-01	0.00E+00	0.00E+00	5.00E+04	7.58E-05
166	0.3720	158	39.33	39327	5.85E-04	5.85E-01	0.00E+00	0.00E+00	3.93E+04	1.33E-04		154	31.48	31475	3.40E-04	3.40E-01	0.00E+00	0.00E+00	3.15E+04	7.72E-05
167	0.3680	159	29.86	29861	4.21E-04	4.21E-01	0.00E+00	0.00E+00	2.99E+04	9.55E-05		185	37.13	37133	3.41E-04	3.41E-01	0.00E+00	0.00E+00	3.71E+04	7.74E-05
168	0.3640	160	39.33	39327	6.15E-03	6.15E+00	0.00E+00	0.00E+00	3.93E+04	3.61E-03		105	41.70	41696	3.49E-04	3.49E-01	0.00E+00	0.00E+00	4.17E+04	7.92E-05
169	0.3600	161	22.39	22393	1.06E-04	1.06E-01	0.00E+00	0.00E+00	2.24E+04	2.41E-05		84	29.86	29861	3.49E-04	3.49E-01	0.00E+00	0.00E+00	2.99E+04	7.90E-05
170	0.3560	162	50.00	50000	1.17E-02	1.17E+01	0.00E+00	0.00E+00	5.00E+04	6.89E-03		203	35.10	35100	3.51E-04	3.51E-01	0.00E+00	0.00E+00	3.51E+04	7.98E-05
171	0.3520	163	35.10	35100	4.73E-04	4.73E-01	0.00E+00	0.00E+00	3.51E+04	1.08E-04		90	37.13	37133	3.59E-04	3.59E-01	0.00E+00	0.00E+00	3.71E+04	8.16E-05
172	0.3480	164	25.70	25699	3.85E-04	3.85E-01	0.00E+00	0.00E+00	2.57E+04	8.57E-05		52	26.98	26981	3.69E-04	3.69E-01	0.00E+00	0.00E+00	2.70E+04	8.24E-05
173	0.3440	165	37.13	37133	2.80E-05	2.80E-02	0.00E+00	0.00E+00	3.71E+04	6.32E-06		143	33.22	33218	3.71E-04	3.71E-01	0.00E+00	0.00E+00	3.32E+04	8.35E-05
174	0.3400	166	37.13	37133	3.58E-05	3.58E-02	0.00E+00	0.00E+00	3.71E+04	8.08E-06		24	28.37	28366	3.76E-04	3.76E-01	0.00E+00	0.00E+00	2.84E+04	8.48E-05

3/13/00
DRJ

Base Case + Higher alluvium Rd - Sorted   3 of 3

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
175	0.3360	167	29.86	29861	7.23E-05	7.23E-02	0.00E+00	0.00E+00	2.99E+04	1.63E-05		66	25.70	25699	3.78E-04	3.78E-01	0.00E+00	0.00E+00	2.57E+04	8.56E-05
176	0.3320	168	41.70	41696	1.01E-02	1.01E+01	0.00E+00	0.00E+00	4.17E+04	5.92E-03		89	23.41	23412	3.79E-04	3.79E-01	0.00E+00	0.00E+00	2.34E+04	8.53E-05
177	0.3280	169	41.70	41696	1.47E-02	1.47E+01	0.00E+00	0.00E+00	4.17E+04	8.65E-03		209	20.58	20577	3.80E-04	3.80E-01	0.00E+00	0.00E+00	2.06E+04	8.63E-05
178	0.3240	170	50.00	50000	2.51E-04	2.51E-01	0.00E+00	0.00E+00	5.00E+04	1.25E-04		13	44.26	44255	3.83E-04	3.83E-01	0.00E+00	0.00E+00	4.43E+04	1.17E-04
179	0.3200	171	41.70	41696	4.38E-04	4.38E-01	0.00E+00	0.00E+00	4.17E+04	9.93E-05		164	25.70	25699	3.85E-04	3.85E-01	0.00E+00	0.00E+00	2.57E+04	8.57E-05
180	0.3160	172	44.26	44255	8.39E-05	8.39E-02	0.00E+00	0.00E+00	4.43E+04	1.90E-05		129	29.86	29861	3.87E-04	3.87E-01	0.00E+00	0.00E+00	2.99E+04	8.79E-05
181	0.3120	173	39.33	39327	1.35E-04	1.35E-01	0.00E+00	0.00E+00	3.93E+04	3.05E-05		115	25.70	25699	3.91E-04	3.91E-01	0.00E+00	0.00E+00	2.57E+04	8.85E-05
182	0.3080	174	47.02	47017	7.93E-05	7.93E-02	0.00E+00	0.00E+00	4.70E+04	1.80E-05		244	24.51	24512	4.06E-04	4.06E-01	0.00E+00	0.00E+00	2.45E+04	9.08E-05
183	0.3040	175	37.13	37133	1.96E-04	1.96E-01	0.00E+00	0.00E+00	3.71E+04	4.57E-05		215	39.33	39327	4.07E-04	4.07E-01	0.00E+00	0.00E+00	3.93E+04	9.17E-05
184	0.3000	176	31.48	31475	4.62E-04	4.62E-01	0.00E+00	0.00E+00	3.15E+04	1.05E-04		47	25.70	25699	4.20E-04	4.20E-01	0.00E+00	0.00E+00	2.57E+04	1.04E-04
185	0.2960	177	37.13	37133	1.72E-05	1.72E-02	0.00E+00	0.00E+00	3.71E+04	3.90E-06		159	29.86	29861	4.21E-04	4.21E-01	0.00E+00	0.00E+00	2.99E+04	9.55E-05
186	0.2920	178	47.02	47017	5.81E-05	5.81E-02	0.00E+00	0.00E+00	4.70E+04	1.32E-05		196	25.70	25699	4.23E-04	4.23E-01	0.00E+00	0.00E+00	2.57E+04	9.53E-05
187	0.2880	179	31.48	31475	2.98E-04	2.98E-01	0.00E+00	0.00E+00	3.15E+04	6.75E-05		171	41.70	41696	4.38E-04	4.38E-01	0.00E+00	0.00E+00	4.17E+04	9.93E-05
188	0.2840	180	35.10	35100	8.64E-05	8.64E-02	0.00E+00	0.00E+00	3.51E+04	1.96E-05		144	33.22	33218	4.50E-04	4.50E-01	0.00E+00	0.00E+00	3.32E+04	1.10E-04
189	0.2800	181	21.45	21450	1.52E-05	1.52E-02	0.00E+00	0.00E+00	2.15E+04	3.40E-06		176	31.48	31475	4.62E-04	4.62E-01	0.00E+00	0.00E+00	3.15E+04	1.05E-04
190	0.2760	182	50.00	50000	5.46E-05	5.46E-02	0.00E+00	0.00E+00	5.00E+04	3.08E-05		163	35.10	35100	4.73E-04	4.73E-01	0.00E+00	0.00E+00	3.51E+04	1.08E-04
191	0.2720	183	19.02	19018	2.98E-04	2.98E-01	0.00E+00	0.00E+00	1.90E+04	6.71E-05		150	50.00	50000	4.79E-04	4.79E-01	0.00E+00	0.00E+00	5.00E+04	2.81E-04
192	0.2680	184	33.22	33218	2.59E-04	2.59E-01	0.00E+00	0.00E+00	3.32E+04	5.85E-05		28	26.98	26981	4.82E-04	4.82E-01	0.00E+00	0.00E+00	2.70E+04	1.08E-04
193	0.2640	185	37.13	37133	3.41E-04	3.41E-01	0.00E+00	0.00E+00	3.71E+04	7.74E-05		127	29.86	29861	4.85E-04	4.85E-01	0.00E+00	0.00E+00	2.99E+04	1.10E-04
194	0.2600	186	31.48	31475	1.41E-03	1.41E+00	0.00E+00	0.00E+00	3.15E+04	3.54E-04		33	39.33	39327	4.88E-04	4.88E-01	0.00E+00	0.00E+00	3.93E+04	1.11E-04
195	0.2560	187	41.70	41696	1.19E-04	1.19E-01	0.00E+00	0.00E+00	4.17E+04	2.81E-05		152	22.39	22393	4.88E-04	4.88E-01	0.00E+00	0.00E+00	2.24E+04	1.10E-04
196	0.2520	188	31.48	31475	5.06E-04	5.06E-01	0.00E+00	0.00E+00	3.32E+04	1.18E-04		151	20.58	20577	4.96E-04	4.96E-01	0.00E+00	0.00E+00	2.06E+04	1.12E-04
197	0.2480	189	50.00	50000	5.23E-05	5.23E-02	0.00E+00	0.00E+00	5.00E+04	1.29E-05		30	19.02	19018	5.03E-04	5.03E-01	0.00E+00	0.00E+00	1.90E+04	1.12E-04
198	0.2440	190	50.00	50000	1.09E-04	1.09E-01	0.00E+00	0.00E+00	5.00E+04	2.69E-05		236	20.58	20577	5.04E-04	5.04E-01	0.00E+00	0.00E+00	1.98E+04	1.13E-04
199	0.2400	191	33.22	33218	6.45E-04	6.45E-01	0.00E+00	0.00E+00	3.32E+04	1.46E-04		188	31.48	31475	5.06E-04	5.06E-01	0.00E+00	0.00E+00	3.32E+04	1.18E-04
200	0.2360	192	39.33	39327	5.86E-04	5.86E-01	0.00E+00	0.00E+00	3.93E+04	1.43E-04		54	22.39	22393	5.08E-04	5.08E-01	0.00E+00	0.00E+00	2.24E+04	1.26E-04
201	0.2320	193	33.22	33218	9.00E-04	9.00E-01	0.00E+00	0.00E+00	3.32E+04	2.03E-04		12	20.58	20577	5.09E-04	5.09E-01	0.00E+00	0.00E+00	2.06E+04	1.15E-04
202	0.2280	194	31.48	31475	8.49E-05	8.49E-02	0.00E+00	0.00E+00	3.15E+04	1.91E-05		78	35.10	35100	5.10E-04	5.10E-01	0.00E+00	0.00E+00	3.51E+04	1.16E-04
203	0.2240	195	47.02	47017	5.70E-05	5.70E-02	0.00E+00	0.00E+00	4.70E+04	1.29E-05		200	25.70	25699	5.14E-04	5.14E-01	0.00E+00	0.00E+00	2.57E+04	1.16E-04
204	0.2200	196	25.70	25699	4.23E-04	4.23E-01	0.00E+00	0.00E+00	2.57E+04	9.53E-05		149	25.70	25699	5.23E-04	5.23E-01	0.00E+00	0.00E+00	3.32E+04	1.17E-04
205	0.2160	197	50.00	50000	2.96E-04	2.96E-01	0.00E+00	0.00E+00	5.00E+04	1.12E-04		217	22.39	22393	5.42E-04	5.42E-01	0.00E+00	0.00E+00	2.24E+04	1.21E-04
206	0.2120	198	33.22	33218	2.12E-04	2.12E-01	0.00E+00	0.00E+00	3.32E+04	5.16E-05		138	39.33	39327	5.85E-04	5.85E-01	0.00E+00	0.00E+00	3.93E+04	1.35E-04
207	0.2080	199	47.02	47017	4.12E-02	4.12E+01	0.00E+00	0.00E+00	4.70E+04	2.43E-02		158	39.33	39327	5.85E-04	5.85E-01	0.00E+00	0.00E+00	3.93E+04	1.33E-04
208	0.2040	200	25.70	25699	5.14E-04	5.14E-01	0.00E+00	0.00E+00	2.57E+04	1.16E-04		192	39.33	39327	5.86E-04	5.86E-01	0.00E+00	0.00E+00	3.93E+04	1.43E-04
209	0.2000	201	37.13	37133	1.82E-04	1.82E-01	0.00E+00	0.00E+00	3.71E+04	4.12E-05		246	35.10	35100	6.03E-04	6.03E-01	0.00E+00	0.00E+00	3.51E+04	1.37E-04
210	0.1960	202	47.02	47017	1.79E-04	1.79E-01	0.00E+00	0.00E+00	4.70E+04	4.06E-05		228	39.33	39327	6.04E-04	6.04E-01	0.00E+00	0.00E+00	3.93E+04	1.45E-04
211	0.1920	203	35.10	35100	3.51E-04	3.51E-01	0.00E+00	0.00E+00	3.51E+04	7.98E-05		110	20.58	20577	6.13E-04	6.13E-01	0.00E+00	0.00E+00	2.06E+04	1.37E-04
212	0.1880	204	37.13	37133	5.34E-05	5.34E-02	0.00E+00	0.00E+00	3.93E+04	1.22E-05		216	26.98	26981	6.17E-04	6.17E-01	0.00E+00	0.00E+00	2.70E+04	1.39E-04
213	0.1840	205	20.58	20577	2.85E-04	2.85E-01	0.00E+00	0.00E+00	2.06E+04	6.37E-05		207	18.32	18324	6.29E-04	6.29E-01	0.00E+00	0.00E+00	1.83E+04	1.40E-04
214	0.1800	206	41.70	41696	1.42E-04	1.42E-01	0.00E+00	0.00E+00	3.93E+04	8.12E-05		46	19.02	19018	6.30E-04	6.30E-01	0.00E+00	0.00E+00	1.90E+04	1.41E-04
215	0.1760	207	18.32	18324	6.29E-04	6.29E-01	0.00E+00	0.00E+00	1.83E+04	1.40E-04		191	33.22	33218	6.45E-04	6.45E-01	0.00E+00	0.00E+00	3.32E+04	1.46E-04
216	0.1720	208	44.26	44255	1.14E-04	1.14E-01	0.00E+00	0.00E+00	4.43E+04	2.58E-05		214	33.22	33218	6.56E-04	6.56E-01	0.00E+00	0.00E+00	3.32E+04	1.48E-04
217	0.1680	209	20.58	20577	3.80E-04	3.80E-01	0.00E+00	0.00E+00	2.06E+04	8.63E-05		250	33.22	33218	6.62E-04	6.62E-01	0.00E+00	0.00E+00	3.32E+04	1.54E-04
218	0.1640	210	47.02	47017	1.02E-04	1.02E-01	0.00E+00	0.00E+00	4.70E+04	2.31E-05		11	50.00	50000	6.65E-04	6.65E-01	0.00E+00	0.00E+00	5.00E+04	3.78E-04
219	0.1600	211	33.22	33218	2.16E-04	2.16E-01	0.00E+00	0.00E+00	3.32E+04	4.90E-05		220	25.70	25699	6.67E-04	6.67E-01	0.00E+00	0.00E+00	2.57E+04	1.49E-04
220	0.1560	212	47.02	47017	9.23E-05	9.23E-02	0.00E+00	0.00E+00	4.70E+04	2.05E-05		156	23.41	23412	6.70E-04	6.70E-01	0.00E+00	0.00E+00	2.34E+04	1.51E-04
221	0.1520	213	50.00	50000	8.60E-05	8.60E-02	0.00E+00	0.00E+00	5.00E+04	3.86E-05		134	28.37	28366	6.75E-04	6.75E-01	0.00E+00	0.00E+00	2.84E+04	1.51E-04
222	0.1480	214	33.22	33218	6.56E-04	6.56E-01	0.00E+00	0.00E+00	3.32E+04	1.48E-04		75	17.09	17087	6.83E-04	6.83E-01	0.00E+00	0.00E+00	1.71E+04	1.63E-04
223	0.1440	215	39.33	39327	4.07E-04	4.07E-01	0.00E+00	0.00E+00	3.93E+04	9.17E-05		122	26.98	26981	7.09E-04	7.09E-01	0.00E+00	0.00E+00	2.84E+04	1.65E-04
224	0.1400	216	26.98	26981	6.17E-04	6.17E-01	0.00E+00	0.00E+00	2.70E+04	1.39E-04		157	20.58	20577	7.21E-04	7.21E-01	0.00E+00	0.00E+00	2.06E+04	1.63E-04
225	0.1360	217	22.39	22393	5.42E-04	5.42E-01	0.00E+00	0.00E+00	2.24E+04	1.21E-04		107	22.39	22393	7.55E-04	7.55E-01	0.00E+00	0.00E+00	2.24E+04	1.74E-04
226	0.1320	218	44.26	44255	2.09E-04	2.09E-01	0.00E+00	0.00E+00	4.43E+04	4.73E-05		4	23.41	23412	7.91E-04	7.91E-01	0.00E+00	0.00E+00	2.34E+04	1.96E-04
227	0.1280	219	37.13	37133	4.66E-05	4.66E-02	0.00E+00	0.00E+00	3.71E+04	1.05E-05		50	37.13	37133	7.95E-04	7.95E-01	0.00E+00	0.00E+00	3.71E+04	1.81E-04
228	0.1240	220	25.70	25699	6.67E-04	6.67E-01	0.00E+00	0.00E+00	2.57E+04	1.49E-04		40	35.10	35100	8.07E-04	8.07E-01	0.00E+00	0.00E+00	3.51E+04	1.82E-04
229	0.1200	221	39.33	39327	3.63E-05	3.63E-02	0.00E+00	0.00E+00	3.71E+04	8.59E-06		10	39.33	39327	8.55E-04	8.55E-01	0.00E+00	0.00E+00	3.93E+04	1.97E-04
230	0.1160	222	21.45	21450	1.02E-06	1.02E-03	0.00E+00	0.00E+00	2.15E+04	2.28E-07		34	25.70	25699	8.78E-04	8.78E-01	0.00E+00	0.00E+00	2.57E+04	1.97E-04
231	0.1120	223	39.33	39327	7.64E-05	7.64E-02	0.00E+00	0.00E+00	3.93E+04	1.73E-05		193	33.22	33218	9.00E-04	9.00E-01	0.00E+00	0.00E+00	3.32E+04	2.03E-04
232	0.1080	224	41.70	41696	5.10E-05	5.10E-02	0.00E+00	0.00E+00	4.17E+04	1.26E-05		35	39.33	39327	9.08E-04	9.08E-01	0.00E+00	0.00E+00	3.93E+04	2.06E-04
233	0.1040	225	25.70	25699	4.77E-02	4.77E+01	0.00E+00	0.00E+00	2.57E+04	2.81E-02		86	50.00	50000	9.34E-04	9.34E-01	0.00E+00	0.00E+00	5.00E+04	5.22E-04
234	0.1000	226	47.02	47017	1.98E-04	1.98E-01	0.00E+00	0.00E+00	4.70E+04	4.86E-05		231	50.00	50000	9.61E-04	9.61E-01	0.00E+00	0.00E+00	5.00E+04	4.59E-04
235	0.0960	227	39.33	39327	3.08E-04	3.08E-01	0.00E+00	0.00E+00	3.93E+04	6.95E-05		97	50.00	50000	1.03E-03	1.03E+00	0.00E+00	0.00E+00	5.00E+04	6.04E-04
236	0.0920	228	39.33	39327	6.04E-04	6.04E-01	0.00E+00	0.00E+00	3.93E+04	1.45E-04		135	35.10	35100	1.23E-03	1.23E+00	0.00E+00	0.00E+00	3.51E+04	2.83E-04
237	0.0880	229	14.33	14333	5.24E-07	5.24E-04	0.00E+00	0.00E+00	1.43E+04	1.19E-07		57	29.86	29861	1.33E-03	1.33E+00	0.00E+00	0.00E+00	2.99E+04	3.00E-04
238	0.0840	230	44.26	44255	3.35E-03	3.35E+00	0.00E+00	0.00E+00	4.43E+04	1.97E-03		186	31.48	31475	1.41E-03	1.41E+00	0.00E+00	0.00E+00	3.15E+04	3.54E-04
239	0.0800	231	50.00	50000	9.61E-04	9.61E-01	0.00E+00	0.00E+00	5.00E+04	4.59E-04		36	44.26	44255	1.75E-03	1.75E+00	0.00E+00	0.00E+00	4.43E+04	1.03E-03
240	0.0760	232	50.00	50000	2.11E-03	2.11E+00	0.00E+00	0.00E+00	5.00E+04	1.25E-03		243	50.00	50000	1.78E-03	1.78E+00	0.00E+00	0.00E+00	5.00E+04	1.04E-03
241	0.0720	233	41.70	41696	3.16E-06	3.16E-03	0.00E+00	0.00E+00	4.17E+04	7.16E-07		232	50.00	50000	2.11E-03	2.11E+00	0.00E+00	0.00E+00	5.00E+04	1.25E-03
242	0.0680	234	33.22	33218	1.46E-04	1.46E-01	0.00E+00	0.00E+00	3.32E+04	3.43E-05		128	50.00	50000	2.69E-03	2.69E+00	0.00E+00	0.00E+00	5.00E+04	1.56E-03
243	0.0640	235	31.48	31475	9.40E-05	9.40E-02	0.00E+00	0.00E+00	3.15E+04	2.11E-05		230	44.26	44255	3.35E-03	3.35E+00	0.00E+00	0.00E+00	4.43E+04	1.97E-03
244	0.0600	236	20.58	20577	5.04E-04	5.04E-01	0.00E+00	0.00E+00	1.98E+04	1.13E-04		82	37.13	37133	4.80E-03	4.80E+00	0.00E+00	0.00E+00	3.71E+04	2.69E-03
245	0.0560	237	37.13	37133	1.03E-04	1.03E-01	0.00E+00	0.00E+00	3.71E+04	2.49E-05		160	39.33	39327	6.15E-03	6.15E+00	0.00E+00	0.00E+00	3.93E+04	3.61E-03
246	0.0520	238	39.33	39327	3.55E-05	3.55E-02	0.00E+00	0.00E+00	3.93E+04	8.24E-06		60	47.02	47017	6.67E-03	6.67E+00	0.00E+00	0.00E+00	4.70E+04	3.93E-03
247	0.0480	239	50.00	50000	2.31E-04	2.31E-01	0.00E+00	0.00E+00	5.00E+04	1.05E-04		125	50.00	50000	7.88E-03	7.88E+00	0.00E+00	0.00E+00	5.00E+04	4.65E-03
248	0.0440	240	39.33	39327	1.08E-04	1.08E-01	0.00E+00	0.00E+00	3.93E+04	2.44E-05		93	50.00	50000	9.74E-03	9.74E+00	0.00E+00	0.00E+00	5.00E+04	5.74E-03
249	0.0400	241	31.48	31475	6.80E-05	6.80E-02	0.00E+00	0.00E+00	3.15E+04	1.68E-05		168	41.70	41696	1.01E-02	1.01E+01	0.00E+00	0.00E+00	4.17E+04	5.92E-03
250	0.0360	242	31.48	31475	1.01E-04	1.01E-01	0.00E+00	0.00E+00	3.15E+04	2.29E-05		162	50.00	50000	1.17E-02	1.17E+01	0.00E+00	0.00E+00	5.00E+04	6.89E-03
251	0.0320	243	50.00	50000	1.78E-03	1.78E+00	0.00E+00	0.00E+00	5.00E+04	1.04E-03		114	50.00	50000	1.38E-02	1.38E+01	0.00E+00	0.00E+00	5.00E+04	8.12E-03
252	0.0280	244	24.51	24512	4.06E-04	4.06E-01	0.00E+00	0.00E+00	2.45E+04	9.08E-05		169	41.70	41696	1.47E-02	1.47E+01	0.00E+00	0.00E+00	4.17E+04	8.65E-03
253	0.0240	245	24.51	24512	1.79E-04	1.79E-01	0.00E+00	0.00E+00	2.45E+04	4.01E-05		58	50.00	50000	2.71E-02	2.71E+01	0.00E+00	0.00E+00	5.00E+04	1.59E-02
254	0.0200	246	35.10	35100	6.03E-04	6.03E-01	0.00E+00	0.00E+00	3.51E+04	1.37E-04		38	50.00	50000	2.84E-02	2.84E+01	0.00E+00	0.00E+00	5.00E+04	1.67E-02
255	0.0160	247	44.26	44255	6.64E-05	6.64E-02	0.00E+00	0.00E+00	4.43E+04	1.50E-05		112	50.00	50000	2.92E-02	2.92E+01	0.00E+00	0.00E+00	5.00E+04	1.72E-02
256	0.0120	248	31.48	31475	5.52E-05	5.52E-02	0.00E+00	0.00E+00	3.15E+04	1.24E-05		22	37.13	37133	3.58E-02	3.58E+01	0.00E+00	0.00E+00	3.71E+04	2.10E-02
257	0.0080	249	41.70	41696	2.72E-04	2.72E-01	0.00E+00	0.00E+00	4.17E+04	6.80E-05		199	47.02	47017	4.12E-02	4.12E+01	0.00E+00	0.00E+00	4.70E+04	2.43E-02
258	0.0040	250	33.22	33218	6.62E-04	6.62E-01	0.00E+00	0.00E+00	3.32E+04	1.54E-04		225	25.70	25699	4.77E-02	4.77E+01	0.00E+00	0.00E+00	2.57E+04	2.81E-02

Base Case + Higher R_D (both tuff + alluvium, reducing)
Unsorted
1 of 2

	A	B	C	D	E	F	G	H	I	J	K	L
13	Input		file	tpa inp	as	supplied	with	TPA	Version	3.2.1	Code.	
14	Base		case	data	set	Rev	3.2.1		2/22/99			
15	TPA		3.2.3	PVM	capable,	Job	started	Mon	Oct	18	11:25:59	1999
16	Groundwater		Total	Peak	Dose	and	Peak	Time	with	Doses		
17	for		Each	Nuclide	at	Peak	Time	-	Values	for	Each	Vector

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
19	vector	pktime	pktime	pktedo	Cm246de	U238de	Cm245de	Am241de	Np237de	Am243de	Pu239de	Pu240de	U234de	Th230de	Ra226de	Pb210de	Cs135de	I129de	Tc99de	Tc99de	Ni59de	C14de	Se79de	Nb94de	Cl36de	timedwpk	drnkh20
20	unitless	yr/1000	yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	mrem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	yr	rem/yr
21	1	40.92	40922	6.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-08	4.09E+04	1.58E-04
22	2	14.09	14088	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-08	1.41E+04	3.13E-06
23	3	24.54	24539	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	2.26E-07	0.00E+00	0.00E+00	0.00E+00	4.71E-05	2.45E+04	3.41E-04
24	4	20.92	20918	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05	2.09E+04	1.21E-04
25	5	24.20	24197	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-05	2.42E+04	3.10E-04
26	6	50.00	50000	1.69E-02	0.00E+00	1.34E-05	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	0.00E+00	4.87E-05	7.94E-11	6.00E-09	1.26E-08	0.00E+00	7.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	9.86E-07	5.00E+04	9.98E-03
27	7	50.00	50000	1.14E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-05	0.00E+00	2.02E-08	5.00E+04	6.70E-03
28	8	37.50	37500	4.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	3.20E-08	0.00E+00	0.00E+00	0.00E+00	2.96E-08	3.75E+04	9.74E-05
29	9	32.26	32255	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-08	0.00E+00	1.52E-08	3.23E+04	9.56E-05
30	10	10.98	10982	3.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-06	0.00E+00	5.71E-07	1.10E+04	7.59E-06
31	11	32.79	32786	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-05	0.00E+00	2.85E-05	3.28E+04	7.29E-05
32	12	24.20	24197	9.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-04	0.00E+00	0.00E+00	7.00E-07	0.00E+00	5.17E-09	0.00E+00	8.34E-06	2.42E+04	2.16E-04
33	13	50.00	50000	2.22E-02	0.00E+00	4.38E-11	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	0.00E+00	1.63E-10	3.31E-16	7.41E-15	3.92E-14	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-06	0.00E+00	1.63E-05	5.00E+04	1.31E-02
34	14	42.41	42405	3.06E-04	0.00E+00	2.28E-09	0.00E+00	0.00E+00	6.32E-10	0.00E+00	0.00E+00	0.00E+00	8.57E-09	3.83E-13	5.36E-12	1.91E-11	0.00E+00	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-08	0.00E+00	1.20E-06	4.24E+04	6.95E-05
35	15	27.58	27576	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-06	2.76E+04	8.53E-05
36	16	40.92	40922	5.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-07	0.00E+00	5.59E-06	4.09E+04	1.29E-04
37	17	36.24	36238	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-06	3.62E+04	1.08E-04
38	18	24.20	24197	9.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	2.42E+04	2.21E-04
39	19	17.06	17064	6.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-04	0.00E+00	0.00E+00	3.60E-07	0.00E+00	0.00E+00	0.00E+00	1.99E-05	1.71E+04	1.47E-04
40	20	34.45	34452	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-06	0.00E+00	1.22E-05	3.45E+04	1.18E-04
41	21	44.76	44763	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	3.64E-07	0.00E+00	1.84E-05	0.00E+00	2.54E-06	4.48E+04	2.61E-04
42	22	17.60	17600	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	2.42E+04	9.51E-05
43	23	47.29	47291	5.06E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-08	4.73E+04	2.99E-02
44	24	45.59	45586	8.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-08	0.00E+00	3.19E-06	4.56E+04	2.02E-04
45	25	30.74	30736	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-05	0.00E+00	8.22E-07	3.07E+04	6.29E-05
46	26	29.32	29319	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	5.03E-08	0.00E+00	5.50E-07	0.00E+00	3.26E-06	2.93E+04	7.10E-05
47	27	50.00	50000	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-08	5.00E+04	1.19E-03
48	28	21.45	21454	4.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-05	0.00E+00	1.15E-05	2.15E+04	1.11E-04
49	29	37.50	37500	4.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-06	3.75E+04	1.00E-04
50	30	25.99	25987	6.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05	2.60E+04	1.41E-04
51	31	24.20	24197	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-06	2.42E+04	1.23E-04
52	32	22.60	22603	9.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-04	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	2.31E-05	2.26E+04	2.05E-04
53	33	45.59	45586	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	4.75E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-06	4.56E+04	9.35E-05
54	34	24.20	24197	6.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	2.42E+04	1.52E-04
55	35	24.20	24197	7.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05	0.00E+00	9.26E-06	2.42E+04	1.73E-04
56	36	50.00	50000	3.05E-02	0.00E+00	9.68E-07	0.00E+00	0.00E+00	3.03E-02	0.00E+00	0.00E+00	0.00E+00	3.57E-06	1.63E-11	2.80E-10	4.69E-10	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05	0.00E+00	1.42E-08	5.00E+04	1.80E-02
57	37	34.45	34452	4.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	2.25E-08	0.00E+00	3.18E-09	0.00E+00	2.43E-06	3.45E+04	9.67E-05
58	38	29.32	29319	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	6.79E-10	0.00E+00	1.06E-04	0.00E+00	3.12E-06	2.93E+04	1.54E-04
59	39	29.32	29319	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	4.24E-08	0.00E+00	4.07E-08	0.00E+00	3.08E-06	2.93E+04	2.32E-04
60	40	37.50	37500	2.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-05	3.75E+04	4.79E-04
61	41	50.00	50000	9.97E-03	0.00E+00	1.58E-08	0.00E+00	0.00E+00	9.84E-03	0.00E+00	0.00E+00	0.00E+00	5.88E-08	5.26E-12	1.15E-12	1.18E-11	0.00E+00	1.21E-04	0.00E+00	0.00E+00	4.26E-08	0.00E+00	5.20E-07	0.00E+00	1.42E-08	5.00E+04	5.85E-03
62	42	42.41	42405	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-04	0.00E+00	0.00E+00	1.75E-07	0.00E+00	1.51E-04	0.00E+00	4.04E-06	4.24E+04	2.80E-04
63	43	33.88	33884	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-06	3.39E+04	6.52E-05
64	44	27.58	27576	7.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-04	0.00E+00	0.00E+00	5.66E-08	0.00E+00	8.37E-05	0.00E+00	4.43E-06	2.76E+04	1.80E-04
65	45	37.50	37500	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05	0.00E+00	1.56E-06	3.75E+04	1.25E-04
66	46	50.00	50000	8.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-06	5.00E+04	4.33E-04
67	47	39.51	39505	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	6.84E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-06	3.95E+04	7.97E-05
68	48	45.59	45586	8.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-05	0.00E+00	1.88E-06	4.56E+04	1.46E-04
69	49	36.24	36238	9.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-04	0.00E+00	0.00E+00	1.41E-07	0.00E+00	0.00E+00	0.00E+00	1.27E-05	3.62E+04	2.04E-04
70	50	39.51	39505	6.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-09	0.00E+00	1.86E-06	3.95E+04	1.57E-04
71	51	24.20	24197	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-11	0.00E+00	1.25E-05	2.42E+04	2.30E-04
72	52	20.92	20918	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-06	2.09E+04	7.28E-05
73	53	25.99	25987	9.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-05	0.00E+00	3.47E-06	2.60E+04	2.28E-04
74	54	38.82	38821	1.02E-03	0.00E+00	1.01E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-10	1.48E-14	1.85E-14	6.84E-14	0.00E+00	9.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-05	0.00E+00	3.58E-06	3.88E+04	2.39E-04
75	55	30.74	30736	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-06	3.07E+04	2.44E-04
76	56	42.41	42405	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.84E-06	4.24E+04	5.27E-05
77	57	42.41	42405	1.30E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	5.93E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-06	4.24E+04	7.63E-03
78	58	45.59	45586	4.99E-04	0.00E+00	1.74E-07	0.00E+00	0.00E+00	2.25E-24	0.00E+00	0.00E+00	0.00E+00	8.55E-07	1.75E-11	7.06E-11	1.05E-10	0.00E+00	4.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-06	4.56E+04	1.13E-04
79	59	29.32	29319	5.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-08	0.00E+00	4.67E-06	2.93E+04	1.31E-04
80	60	44.76	44763	8.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-04	0.00E+00	0.00E+00	7.50E-08	0.00E+00	0.00E+00	0.00E+00	2.09E-06	4.45E+04	1.47E-04
81	61	42.41	42405	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-08	4.24E+04	1.18E-04
82	62	40.92	40922	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-08	4.09E+04	9.78E-05
83	63	47.29	47291	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	5.88E-07	0.00E+00	0.00E+00	0.00E+00	5.58E-06	4.73E+04	7.65E-05
84	64	35.63	35629	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-07	3.56E+04	1.51E-04
85	65	50.00	50000	5.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-07	5.00E+04	1.27E-05
86	66	27.58	27576	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-05	0.00E+00	1.87E-06	2.76E+04	8.98E-05
87	67	22.60	22603	5.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.77E-06	2.26E+04	1.24E-04
88	68	20.92	20918	9.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-04	0.00E+00	0.00E+00	1.04E-05	0.00E+00	1.79E-04	0.00E+00	1.48E-05	2.09E+04	2.49E-04
89	69	38.82	38821	6.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-04	0.00E+00	0.00E+00	2.59E-08	0.00E+00	0.00E+00	0.00E+00	1.78E-06	3.88E+04	1.55E-04
90	70	40.21	40205	4.72E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-06	4.02E+04	2.79E-02
91	71	22.60	22603	6.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	1.25E-05	2.26E+04	1.39E-04
92	72	30.74	30736	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-08	0.00E+00	9.69E-06	3.07E+04	9.08E-05
93	73	30.74	30736	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-06	3.07E+04	1.11E-04
94	74	50.00	50000	1.29E-03	0.00E+00	5.54E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-10	1.36E-15	1.27E-14	4.71E-14	0.00E+00	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	2.28E-06	3.75E+04	3.18E-04
95	75	37.50	37500	7.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-04	0.00E+00	0.00E+00	6.20E-08	0.00E+00	0.00E+00	0.00E+00	1.79E-06	3.75E+04	1.66E-04
96	76	38.82	38821	8.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-06	3.88E+04	1.82E-04
97	77	22.60	22603	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	2.79E-08	0.00E+00	2.25E-04	0.00E+00	2.62E-05	2.26E+04	3.31E-04
98	78	30.74	30736	8.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-04	0.00E+00	0.00E+00	1.21E-11	0.00E+00	0.00E+00	0.00E+00	5.57E-06	3.07E+04	1.97E-04
99	79	43.96	43959	2.78E-02	0.00E+00	7.45E-08	0.00E+00	0.00E+00	2.75E-02	0.00E+00	0.00E+00	0.00E+00	2.81E-07	1.13E-14	1.32E-11	2.56E-11	0.00E+00	2.22E-04	0.00E+00	0.00E+00	3.71E-08	0.00E+00	0.00E+00	0.00E+00	2.76E-06	4.40E+04	1.63E-02
100	80	38.82	38821	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-06	3.95E+04	7.78E-05
101	81	36.24	36238	8.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-09	0.00E+00	1.32E-05	3.75E+04	1.95E-04
102	82	22.60	22603	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-05	2.26E+04	2.87E-04
103	83	22.60	22603	9.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	2.08E-05	2.26E+04	2.26E-04
104	84	36.24	36238	6.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-04	0.00E+00	0.00E+00	9.58E-07	0.00E+00	2.44E-05	0.00E+00	7.59E-06	3.75E+04	1.60E-04
105	85	29.32	29319	8.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-06	2.93E+04	1.88E-04
106	86	44.76	44763	3.41E-04	0.00E+00	4.05E-09	0.00E+00	0.00E+00	4.88E-12	0.00E+00	0.00E+00	0.00E+00	1.52E-08	3.63E-11	2.85E-12	2.76E-11	0.00E+00	3.39E-04	0.00E+00	0.00E+00	2.65E-07	0.00E+00	0.00E+00	0.00E+00	1.82E-06	4.48E+04	7.73E-05
107	87	31.23	31231	7.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-06	3.12E+04	1.60E-04
108	88	25.99	25987	7.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-06	2.60E+04	1.70E-04
109	89	37.50	37500	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-07	0.00E+00	3.42E-05	3.75E+04	3.08E-04
110	90	38.82	38821	7.47E-04	0.00E+00	1.60E-16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-16	3.93E-22	9.49E-21	6.02E-20	0.00E+00	6.33E-04	0.00E+00	0.00E+00	7.57E-19	0.00E+00	1.12E-04	0.00E+00	2.21E-06	3.88E+04	1.85E-04
111	91	36.24	36238	8.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-05	0.00E+00	0.00E+00	2.39E-08	0.00E+00	1.25E-05	0.00E+00	8.76E-07	3.62E+04	2.01E-05
112	92	36.24	36238	6.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	3.62E+04	1.38E-04
113	93	43.96	43959	5.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	4.40E+04	1.12E-04
114	94	38.82	38821	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	8.90E-17	0.00E+00	2.57E-08	0.00E+00	4.12E-06	3.88E+04	6.37E-05
115	95	27.58	27576	4.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	5.50E-08	0.00E+00	0.00E+00	0.00E+00	5.40E-06	2.76E+04	1.11E-04
116	96	39.51	39505	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-04	0.00E+00	0.00E+00	1.44E-09	0.00E+00	0.00E+00	0.00E+00	2.24E-06	3.95E+04	1.53E-04
117	97	40.92	40922	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-13	0.00E+00	2.16E-06	4.09E+04	9.37E-05
118	98	40.92	40922	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-05	0.00E+00	2.07E-06	4.09E+04	1.61E-04
119	99	25.99	25987	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-06	2.60E+04	5.17E-05
120	100	50.00	50000	4.50E-02	0.00E+00	2.41E-06	0.00E+00	0.00E+00	4.48E-02	0.00E+00	0.00E+00	0.00E+00	8.94E-06	5.92E-09	5.94E-09	2.02E-08	0.00E+00	1.95E-04	0.00E+00	0.00E+00	4.90E-08	0.00E+00	0.00E+00	0.00E+00	2.28E-06	5.00E+04	2.66E-02
121	101	43.96	43959	9.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-04	0.00E+00	0.00E+00	2.59E-08	0.00E+00	0.00E+00	0.00E+00	3.11E-06	4.40E+04	2.17E-04
122	102	22.60	22603	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	4.70E-08	0.00E+00	0.00E+00	0.00E+00	6.69E-06	2.26E+04	6.55E-05
123	103	28.87	28868	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	4.25E-05	2.89E+04	4.03E-04
124	104	27.58	27576	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-04	0.00E+00	0.00E+00	2.27E-07	0.00E+00	3.71E-07	0.00E+00	1.35E-05	2.76E+04	1.39E-04
125	105	43.96	43959	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-11	0.00E+00	6.15E-06	4.40E+04	7.54E-05
126	106	28.87	28868	7.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	2.89E+04	1.57E-04
127	107	32.79	32786	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-05	0.00E+00	1.25E-06	3.28E+04	8.07E-05
128	108	22.91	22907	5.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-04	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-05	2.29E+04	1.27E-04
129	109	50.00	50000	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-04	6.26E-07	1.71E-08	0.00E+00	7.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	8.09E-07	5.00E+04	6.09E-04
130	110	27.58	27576	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-05	0.00E+00	5.25E-06	2.76E+04	2.99E-04
131	111	24.20	24197	5.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-04	0.00E+00	0.00E+00	2.62E-09	0.00E+00	0.00E+00	0.00E+00	8.92E-06	2.42E+04	1.20E-04
132	112	39.51	39505	7.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-06	3.95E+04	1.73E-04
133	113	37.50	37500	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	3.75E+04	1.17E-04
134	114	50.00	50000	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	1.27E-06	5.00E+04	2.89E-05
135	115	42.41	42405	4.48E-04	0.00E+00	2.57E-08	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	0.00E+00	9.75E-08	3.47E-07	1.63E-09	3.03E-09	0.00E+00	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-06	4.24E+04	1.83E-04
136	116	20.92	20918	7.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05	2.09E+04	1.57E-04
137	117	27.58	27576	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-06	2.76E+04	2.28E-04
138	118	27.58	27576	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-08	0.00E+00	3.41E-06	2.76E+04	2.54E-04
139	119	29.32	29319	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-06	2.93E+04	2.70E-04
140	120	50.00	50000	1.79E-01	0.00E+00	3.41E-08	0.00E+00	0.00E+00	1.78E-01	0.00E+00	0.00E+00	0.00E+00	1.27E-05	3.67E-08	3.48E-09	8.46E-09	0.00E+00	9.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-05	0.00E+00	7.35E-06	5.00E+04	1.05E-01
141	121	47.29	47291	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-08	0.00E+00	1.49E-06	4.73E+04	2.76E-05
142	122	45.59	45586	7.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-04	0.00E+00	0.00E+00	4.61E-08	0.00E+00	1.41E-08	0.00E+00	1.30E-05	4.56E+04	1.67E-04
143	123	34.45	34452	8.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-06	3.45E+04	1.97E-04
144	124	28.87	28868	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-21	0.00E+00	1.06E-06	2.89E+04	6.79E-05
145	125	27.58	27576	9.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-04	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	1.33E-05	2.76E+04	2.05E-04
146	126	47.29	47291	8.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-06	4.73E+04	1.98E-04
147	127	32.26	32255	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-06	3.23E+04	1.37E-04
148	128	22.60	22603	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-05	0.00E+00	8.66E-06	2.39E+04	9.39E-05
149	129	33.88	33884	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-06	3.39E+04	3.57E-04
150	130	45.59	45586	7.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-05	0.00E+00	1.65E-06	4.56E+04	1.81E-04
151	131	22.60	22603	8.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-19	0.00E+00	8.80E-06	2.26E+04	1.81E-04
152	132	50.00	50000	3.22E-02	0.00E+00	9.10E-07	0.00E+00	0.00E+00	3.20E-02	0.00E+00	0.00E+00	0.00E+00	3.38E-06	1.81E-10	7.71E-10	3.37E-10	0.00E+00	9.77E-05	0.00E+00	0.00E+00	4.44E-08	0.00E+00	1.05E-05	0.00E+00	1.17E-06	5.00E+04	1.90E-02
153	133	24.20	24197	9.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-04	0.00E+00	0.00E+00	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-05	2.42E+04	2.04E-04

Base Case + Higher tuff, alluvium R_D - Unsorted 2 of 2

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
154	134	27.58	27576	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	2.76E+04	2.63E-04
155	135	27.58	27576	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-05	0.00E+00	4.54E-06	2.76E+04	1.22E-04
156	136	43.96	43959	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-06	4.40E+04	8.79E-05
157	137	37.50	37500	1.05E-03	0.00E+00	3.21E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-09	1.50E-15	9.92E-14	2.39E-13	0.00E+00	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-06	3.75E+04	2.37E-04
158	138	40.92	40922	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-06	4.09E+04	9.55E-05
159	139	22.91	22907	8.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-04	0.00E+00	0.00E+00	2.85E-07	0.00E+00	2.30E-05	0.00E+00	2.27E-05	2.29E+04	1.92E-04
160	140	32.79	32786	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-06	0.00E+00	5.73E-06	3.28E+04	1.09E-04
161	141	34.45	34452	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	3.45E+04	9.77E-05
162	142	33.88	33884	6.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-04	0.00E+00	0.00E+00	2.43E-16	0.00E+00	0.00E+00	0.00E+00	4.08E-06	3.39E+04	1.45E-04
163	143	38.82	38821	1.23E-03	0.00E+00	6.48E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	3.85E-08	0.00E+00	1.42E-04	0.00E+00	3.08E-05	3.88E+04	2.95E-04
164	144	34.45	34452	1.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	3.18E-08	0.00E+00	0.00E+00	0.00E+00	5.04E-05	3.45E+04	3.89E-04
165	145	48.17	48173	5.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-04	0.00E+00	0.00E+00	3.88E-08	0.00E+00	0.00E+00	0.00E+00	1.88E-06	4.82E+04	1.18E-04
166	146	27.58	27576	8.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	1.37E-05	2.76E+04	2.01E-04
167	147	50.00	50000	1.86E-02	0.00E+00	2.65E-08	0.00E+00	0.00E+00	1.84E-02	0.00E+00	0.00E+00	0.00E+00	9.84E-08	1.30E-09	2.65E-09	1.14E-08	0.00E+00	2.47E-04	0.00E+00	0.00E+00	6.05E-08	0.00E+00	6.40E-07	0.00E+00	3.11E-06	5.00E+04	1.09E-02
168	148	45.59	45586	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	4.21E-06	4.56E+04	3.04E-04
169	149	32.79	32786	5.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00	4.87E-09	0.00E+00	3.26E-05	0.00E+00	8.44E-06	3.28E+04	1.27E-04
170	150	47.29	47291	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	3.20E-09	0.00E+00	0.00E+00	0.00E+00	7.41E-07	4.73E+04	4.72E-05
171	151	39.51	39505	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	2.87E-08	0.00E+00	0.00E+00	0.00E+00	2.31E-06	3.95E+04	8.14E-05
172	152	22.60	22603	9.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	0.00E+00	1.02E-05	2.26E+04	2.36E-04
173	153	40.92	40922	4.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-06	4.09E+04	1.09E-04
174	154	25.61	25612	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-06	2.56E+04	1.07E-04
175	155	15.95	15948	3.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-08	1.59E+04	8.06E-07
176	156	39.51	39505	7.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-04	0.00E+00	0.00E+00	3.41E-08	0.00E+00	0.00E+00	0.00E+00	4.38E-06	3.95E+04	1.79E-04
177	157	25.99	25987	4.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-04	0.00E+00	0.00E+00	1.53E-08	0.00E+00	5.45E-07	0.00E+00	1.09E-05	2.60E+04	1.12E-04
178	158	19.45	19451	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-08	0.00E+00	3.61E-05	1.95E+04	2.26E-04
179	159	43.96	43959	7.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	6.05E-06	4.40E+04	1.87E-04
180	160	32.26	32255	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-05	0.00E+00	2.23E-06	3.23E+04	2.53E-04
181	161	24.20	24197	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	8.37E-08	0.00E+00	0.00E+00	0.00E+00	8.11E-06	2.42E+04	5.79E-05
182	162	37.50	37500	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-06	3.75E+04	3.26E-04
183	163	50.00	50000	2.86E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	4.52E-06	0.00E+00	2.78E-05	0.00E+00	2.04E-06	5.00E+04	1.68E-02
184	164	32.26	32255	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-05	0.00E+00	2.48E-06	3.23E+04	2.42E-04
185	165	30.74	30736	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-05	0.00E+00	4.72E-06	2.93E+04	3.61E-04
186	166	44.76	44763	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-06	4.48E+04	4.80E-05
187	167	43.96	43959	5.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-08	0.00E+00	1.00E-05	4.40E+04	1.28E-04
188	168	20.92	20918	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-06	2.09E+04	1.55E-04
189	169	22.60	22603	7.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-07	0.00E+00	1.07E-05	2.26E+04	1.69E-04
190	170	24.20	24197	6.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-06	2.42E+04	1.44E-04
191	171	29.32	29319	7.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	0.00E+00	1.96E-05	2.93E+04	1.59E-04
192	172	27.58	27576	6.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	3.63E-06	2.76E+04	1.48E-04
193	173	27.58	27576	8.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-06	3.75E+04	1.88E-04
194	174	44.76	44763	6.08E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	4.40E+04	3.56E-02
195	175	40.92	40922	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-06	4.09E+04	1.14E-04
196	176	25.61	25612	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-11	0.00E+00	2.44E-05	2.56E+04	3.70E-04
197	177	47.29	47291	8.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00	5.19E-07	0.00E+00	1.01E-05	0.00E+00	6.85E-06	4.73E+04	2.90E-04
198	178	29.32	29319	3.94E-04	0.00E+00	9.32E-21	0.00E+00	0.00E+00	1.50E-15	0.00E+00	0.00E+00	0.00E+00	3.63E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-05	0.00E+00	8.80E-06	5.00E+04	9.63E-05
199	179	43.96	43959	4.68E-02	0.00E+00	9.71E-08	0.00E+00	0.00E+00	4.64E-02	0.00E+00	0.00E+00	0.00E+00	3.66E-07	2.19E-10	5.05E-12	3.33E-11	0.00E+00	3.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-06	4.48E+04	2.75E-02
200	180	24.20	24197	7.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-04	0.00E+00	0.00E+00	2.02E-10	0.00E+00	0.00E+00	0.00E+00	2.26E-06	2.42E+04	1.68E-04
201	181	27.58	27576	5.15E-04	0.00E+00	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-06	3.32E-12	8.14E-12	2.13E-11	0.00E+00	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05	0.00E+00	6.23E-06	2.76E+04	1.20E-04
202	182	28.87	28868	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05	2.88E+04	2.93E-04
203	183	50.00	50000	2.66E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-06	5.00E+04	1.56E-02
204	184	32.26	32255	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-06	3.23E+04	7.52E-05
205	185	27.58	27576	8.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-04	0.00E+00	0.00E+00	1.24E-05	0.00E+00	3.07E-08	0.00E+00	8.50E-06	2.76E+04	1.82E-04
206	186	28.00	27997	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	2.57E-05	2.80E+04	2.59E-04
207	187	26.76	26763	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-06	2.68E+04	2.90E-05
208	188	30.74	30736	9.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-08	0.00E+00	1.35E-05	3.07E+04	2.14E-04
209	189	32.26	32255	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	3.50E-08	0.00E+00	3.46E-05	0.00E+00	1.37E-06	3.28E+04	9.96E-05
210	190	22.60	22603	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-13	0.00E+00	4.97E-06	2.26E+04	7.72E-05
211	191	28.87	28868	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-05	2.89E+04	3.78E-04
212	192	32.79	32786	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-06	3.28E+04	1.14E-04
213	193	44.76	44763	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00	1.40E-18	0.00E+00	2.89E-05	0.00E+00	2.17E-06	4.40E+04	1.11E-04
214	194	30.74	30736	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-06	3.07E+04	5.14E-05
215	195	23.54	23537	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	2.35E+04	1.38E-04
216	196	24.20	24197	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	0.00E+00	2.20E-05	2.42E+04	3.09E-04
217	197	30.74	30736	6.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	0.00E+00	1.98E-06	3.07E+04	1.41E-04
218	198	24.20	24197	5.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.62E-07	0.00E+00	6.38E-06	2.42E+04	1.27E-04
219	199	24.20	24197	5.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00	1.17E-05	2.42E+04	1.25E-04
220	200	22.60	22603	8.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	1.29E-05	2.26E+04	2.15E-04
221	201	25.61	25612	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	1.78E-05	0.00E+00	8.23E-07	0.00E+00	2.69E-05	2.56E+04	2.97E-04
222	202	40.92	40922	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-06	4.09E+04	6.51E-05
223	203	22.60	22603	7.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-06	2.29E+04	1.74E-04
224	204	25.99	25987	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-06	2.60E+04	1.25E-04
225	205	18.18	18175	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-05	1.82E+04	3.41E-04
226	206	50.00	50000	3.53E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	3.37E-08	0.00E+00	0.00E+00	0.00E+00	1.89E-06	5.00E+04	2.08E-02
227	207	25.99	25987	6.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-04	0.00E+00	0.00E+00	5.38E-08	0.00E+00	2.43E-05	0.00E+00	7.48E-06	2.60E+04	1.40E-04
228	208	50.00	50000	5.70E-03	0.00E+00	4.00E-08	0.00E+00	0.00E+00	5.63E-03	0.00E+00	0.00E+00	0.00E+00	1.48E-07	5.90E-11	5.51E-12	4.13E-11	0.00E+00	7.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-07	5.00E+04	3.34E-03
229	209	50.00	50000	3.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-08	0.00E+00	2.33E-06	5.00E+04	7.70E-05
230	210	25.61	25612	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-06	2.56E+04	6.55E-05
231	211	25.61	25612	8.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05	2.56E+04	1.83E-04
232	212	47.29	47291	4.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	1.27E-19	0.00E+00	5.52E-05	0.00E+00	2.88E-06	4.73E+04	1.04E-04
233	213	35.63	35629	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-06	3.56E+04	3.34E-04
234	214	24.20	24197	9.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-06	2.42E+04	2.22E-04
235	215	22.60	22603	7.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-04	0.00E+00	0.00E+00	1.47E-07	0.00E+00	0.00E+00	0.00E+00	1.86E-05	2.26E+04	1.64E-04
236	216	36.24	36238	5.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	1.11E-05	0.00E+00	2.51E-05	0.00E+00	2.51E-06	3.62E+04	1.36E-04
237	217	29.32	29319	8.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-05	0.00E+00	4.32E-06	2.93E+04	2.09E-04
238	218	23.22	23219	7.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-06	2.32E+04	1.64E-04
239	219	24.20	24197	6.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	2.42E+04	1.45E-04
240	220	31.23	31231	4.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-06	3.23E+04	9.42E-05
241	221	43.96	43959	9.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	9.20E-06	4.40E+04	2.46E-04
242	222	32.79	32786	6.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05	3.28E+04	1.49E-04
243	223	33.88	33884	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-06	3.39E+04	7.47E-05
244	224	50.00	50000	1.31E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-07	5.00E+04	7.75E-03
245	225	32.79	32786	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-06	3.28E+04	9.25E-05
246	226	20.41	20406	8.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-05	2.04E+04	2.00E-04
247	227	25.99	25987	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	2.60E+04	1.06E-04
248	228	19.23	19226	9.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-05	0.00E+00	2.36E-05	1.95E+04	2.21E-04
249	229	37.50	37500	6.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	2.81E-06	3.75E+04	1.59E-04
250	230	29.32	29319	7.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-06	0.00E+00	3.34E-06	2.93E+04	1.67E-04
251	231	37.50	37500	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-05	0.00E+00	2.01E-06	3.75E+04	1.33E-04
252	232	32.26	32255	8.29E-04	0.00E+00	2.08E-10	0.00E+00	0.00E+00	9.95E-06	0.00E+00	0.00E+00	0.00E+00	8.09E-10	1.61E-13	1.50E-13	4.85E-13	0.00E+00	7.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-05	0.00E+00	3.12E-06	3.23E+04	1.95E-04
253	233	27.58	27576	8.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-04	0.00E+00	0.00E+00	2.45E-06	0.00E+00	0.00E+00	0.00E+00	2.30E-05	2.76E+04	1.94E-04
254	234	37.50	37500	6.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	5.29E-06	3.75E+04	1.70E-04
255	235	38.82	38821	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00	4.23E-06	3.88E+04	2.32E-04
256	236	47.29	47291	7.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-08	0.00E+00	9.10E-07	4.73E+04	3.94E-04
257	237	32.26	32255	9.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-06	3.23E+04	2.15E-04
258	238	34.45	34452	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	3.21E-08	0.00E+00	0.00E+00	0.00E+00	1.92E-06	3.45E+04	4.92E-05
259	239	33.33	33328	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	1.26E-08	0.00E+00	0.00E+00	0.00E+00	9.76E-06	3.33E+04	9.94E-05
260	240	25.99	25987	8.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-04	0.00E+00	0.00E+00	2.25E-07	0.00E+00	0.00E+00	0.00E+00	2.17E-05	2.72E+04	1.90E-04
261	241	40.21	40205	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-06	5.00E+04	1.55E-04
262	242	37.50	37500	1.96E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	1.51E-20	0.00E+00	0.00E+00	0.00E+00	2.14E-06	3.75E+04	1.15E-02
263	243	50.00	50000	3.19E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	8.00E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-06	5.00E+04	1.88E-02
264	244	22.60	22603	8.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-04	0.00E+00	0.00E+00	6.90E-11	0.00E+00	0.00E+00	0.00E+00	2.01E-05	2.26E+04	1.87E-04
265	245	31.74	31737	8.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.82E-10	0.00E+00	2.20E-05	3.17E+04	1.98E-04
266	246	40.21	40205	1.75E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-05	0.00E+00	2.19E-06	4.02E+04	1.02E-02
267	247	27.58	27576	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-06	2.76E+04	1.08E-04
268	248	43.96	43959	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00	7.52E-09	0.00E+00	1.58E-07	0.00E+00	1.41E-05	4.40E+04	1.23E-04
269	249	46.43	46429	1.06E-02	0.00E+00	2.41E-23	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	0.00E+00	8.96E-23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	3.23E-08	0.00E+00	4.66E-05	0.00E+00	1.96E-06	4.73E+04	6.15E-03
270	250	25.99	25987	9.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	2.60E+04	2.24E-04

3/3/00 (DRL)

Base Case + Higher Tc-99 Rd (tuff, alluvium, reducing) Sorted by Tc dose

1 of 3

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Min		10.98	10982.00	3.570E-06	3.570E-03	0.000E+00	0.000E+00	1.098E+04	8.060E-07										
2	Max		50.00	50000.00	1.788E-01	1.788E+02	0.000E+00	0.000E+00	5.000E+04	1.054E-01										
3	Mean		33.93	33932.74	3.843E-03	3.843E+00	0.000E+00	0.000E+00	3.409E+04	2.039E-03										
4	Median		32.79	32786.00	6.973E-04	6.973E-01	0.000E+00	0.000E+00	3.279E+04	1.603E-04										
5	s.d.		9.37	9368.00	1.420E-02	1.420E+01	0.000E+00	0.000E+00	9.365E+03	8.410E-03										
6							Sorted by									Sorted by				
7	probability	vector	pktime	pktime	pktede	pktede	Tc99de	Tc99de	timedwpk	drnkh20		vector	pktime	pktime	pktede	pktede	Tc99de	Tc99de	timedwpk	drnkh20
8	r/250	unitless	yr/1000	yr	rem/yr	mrem/yr	mrem/yr	rem/yr	yr	rem/yr		unitless	yr/1000	yr	rem/yr	mrem/yr	mrem/yr	rem/yr	yr	rem/yr
9	1.0000	1	40.92	40922	6.94E-04	6.94E-01	0.00E+00	0.00E+00	4.09E+04	1.58E-04		155	15.95	15948	3.57E-06	3.57E-03	0.00E+00	0.00E+00	1.59E+04	8.06E-07
10	0.9960	2	14.09	14088	1.38E-05	1.38E-02	0.00E+00	0.00E+00	1.41E+04	3.13E-06		2	14.09	14088	1.38E-05	1.38E-02	0.00E+00	0.00E+00	1.41E+04	3.13E-06
11	0.9920	3	24.54	24539	1.53E-03	1.53E+00	0.00E+00	0.00E+00	2.45E+04	3.41E-04		10	10.98	10982	3.16E-05	3.16E-02	0.00E+00	0.00E+00	1.10E+04	7.59E-06
12	0.9880	4	20.92	20918	5.44E-04	5.44E-01	0.00E+00	0.00E+00	2.09E+04	1.21E-04		65	50.00	50000	5.62E-05	5.62E-02	0.00E+00	0.00E+00	5.00E+04	1.27E-05
13	0.9840	5	24.20	24197	1.39E-03	1.39E+00	0.00E+00	0.00E+00	2.42E+04	3.10E-04		91	36.24	36238	8.15E-05	8.15E-02	0.00E+00	0.00E+00	3.62E+04	2.01E-05
14	0.9800	6	50.00	50000	1.69E-02	1.69E+01	0.00E+00	0.00E+00	5.00E+04	9.98E-03		114	50.00	50000	1.21E-04	1.21E-01	0.00E+00	0.00E+00	5.00E+04	2.89E-05
15	0.9760	7	50.00	50000	1.14E-02	1.14E+01	0.00E+00	0.00E+00	5.00E+04	6.70E-03		121	47.29	47291	1.22E-04	1.22E-01	0.00E+00	0.00E+00	4.73E+04	2.76E-05
16	0.9720	8	37.50	37500	4.30E-04	4.30E-01	0.00E+00	0.00E+00	3.75E+04	9.74E-05		187	26.76	26763	1.29E-04	1.29E-01	0.00E+00	0.00E+00	2.68E+04	2.90E-05
17	0.9680	9	32.26	32255	4.21E-04	4.21E-01	0.00E+00	0.00E+00	3.23E+04	9.56E-05		150	47.29	47291	1.86E-04	1.86E-01	0.00E+00	0.00E+00	4.73E+04	4.22E-05
18	0.9640	10	10.98	10982	3.16E-05	3.16E-02	0.00E+00	0.00E+00	1.10E+04	7.59E-06		166	44.76	44763	2.13E-04	2.13E-01	0.00E+00	0.00E+00	4.48E+04	4.80E-05
19	0.9600	11	32.79	32786	2.97E-04	2.97E-01	0.00E+00	0.00E+00	3.28E+04	7.29E-05		238	34.45	34452	2.17E-04	2.17E-01	0.00E+00	0.00E+00	3.45E+04	4.92E-05
20	0.9560	12	24.20	24197	9.53E-04	9.53E-01	0.00E+00	0.00E+00	2.42E+04	2.16E-04		194	30.74	30736	2.28E-04	2.28E-01	0.00E+00	0.00E+00	3.07E+04	5.14E-05
21	0.9520	13	50.00	50000	2.22E-02	2.22E+01	0.00E+00	0.00E+00	5.00E+04	1.31E-02		99	25.99	25987	2.31E-04	2.31E-01	0.00E+00	0.00E+00	2.60E+04	5.17E-05
22	0.9480	14	42.41	42405	3.06E-04	3.06E-01	0.00E+00	0.00E+00	4.24E+04	6.95E-05		58	42.41	42405	2.33E-04	2.33E-01	0.00E+00	0.00E+00	4.24E+04	5.27E-05
23	0.9440	15	27.58	27576	3.77E-04	3.77E-01	0.00E+00	0.00E+00	2.76E+04	8.53E-05		25	30.74	30736	2.52E-04	2.52E-01	0.00E+00	0.00E+00	3.07E+04	6.29E-05
24	0.9400	16	40.92	40922	5.71E-04	5.71E-01	0.00E+00	0.00E+00	4.09E+04	1.29E-04		161	24.20	24197	2.60E-04	2.60E-01	0.00E+00	0.00E+00	2.42E+04	5.79E-05
25	0.9360	17	36.24	36238	4.74E-04	4.74E-01	0.00E+00	0.00E+00	3.62E+04	1.08E-04		94	38.82	38821	2.83E-04	2.83E-01	0.00E+00	0.00E+00	3.88E+04	6.37E-05
26	0.9320	18	24.20	24197	9.79E-04	9.79E-01	0.00E+00	0.00E+00	2.42E+04	2.21E-04		202	40.92	40922	2.87E-04	2.87E-01	0.00E+00	0.00E+00	4.09E+04	6.51E-05
27	0.9280	19	17.06	17064	6.58E-04	6.58E-01	0.00E+00	0.00E+00	1.71E+04	1.47E-04		43	33.88	33884	2.87E-04	2.87E-01	0.00E+00	0.00E+00	3.39E+04	6.52E-05
28	0.9240	20	34.45	34452	5.16E-04	5.16E-01	0.00E+00	0.00E+00	3.45E+04	1.16E-04		210	25.61	25612	2.91E-04	2.91E-01	0.00E+00	0.00E+00	2.56E+04	6.55E-05
29	0.9200	21	44.76	44763	1.14E-03	1.14E+00	0.00E+00	0.00E+00	4.48E+04	2.61E-04		102	22.60	22603	2.92E-04	2.92E-01	0.00E+00	0.00E+00	2.26E+04	6.55E-05
30	0.9160	22	17.60	17600	4.21E-04	4.21E-01	0.00E+00	0.00E+00	2.42E+04	9.51E-05		11	32.79	32786	2.97E-04	2.97E-01	0.00E+00	0.00E+00	3.28E+04	7.29E-05
31	0.9120	23	47.29	47291	5.08E-02	5.08E+01	0.00E+00	0.00E+00	4.73E+04	2.99E-02		124	28.87	28868	2.99E-04	2.99E-01	0.00E+00	0.00E+00	2.89E+04	6.79E-05
32	0.9080	24	45.59	45586	8.89E-04	8.89E-01	0.00E+00	0.00E+00	4.56E+04	2.02E-04		14	42.41	42405	3.06E-04	3.06E-01	0.00E+00	0.00E+00	4.24E+04	6.95E-05
33	0.9040	25	30.74	30736	2.52E-04	2.52E-01	0.00E+00	0.00E+00	3.07E+04	6.29E-05		26	29.32	29319	3.14E-04	3.14E-01	0.00E+00	0.00E+00	2.93E+04	7.10E-05
34	0.9000	26	29.32	29319	3.14E-04	3.14E-01	0.00E+00	0.00E+00	2.93E+04	7.10E-05		52	20.92	20918	3.27E-04	3.27E-01	0.00E+00	0.00E+00	2.09E+04	7.28E-05
35	0.8960	27	50.00	50000	2.10E-03	2.10E+00	0.00E+00	0.00E+00	5.00E+04	1.19E-03		223	33.88	33884	3.29E-04	3.29E-01	0.00E+00	0.00E+00	3.39E+04	7.47E-05
36	0.8920	28	21.45	21454	4.89E-04	4.89E-01	0.00E+00	0.00E+00	2.15E+04	1.11E-04		184	32.26	32255	3.32E-04	3.32E-01	0.00E+00	0.00E+00	3.23E+04	7.52E-05
37	0.8880	29	37.50	37500	4.46E-04	4.46E-01	0.00E+00	0.00E+00	3.75E+04	1.00E-04		105	43.96	43959	3.35E-04	3.35E-01	0.00E+00	0.00E+00	4.40E+04	7.54E-05
38	0.8840	30	25.99	25987	6.31E-04	6.31E-01	0.00E+00	0.00E+00	2.60E+04	1.41E-04		107	32.79	32786	3.37E-04	3.37E-01	0.00E+00	0.00E+00	3.28E+04	8.07E-05
39	0.8800	31	24.20	24197	5.45E-04	5.45E-01	0.00E+00	0.00E+00	2.42E+04	1.23E-04		209	50.00	50000	3.38E-04	3.38E-01	0.00E+00	0.00E+00	5.00E+04	7.70E-05
40	0.8760	32	22.60	22603	9.14E-04	9.14E-01	0.00E+00	0.00E+00	2.26E+04	2.05E-04		63	47.29	47291	3.40E-04	3.40E-01	0.00E+00	0.00E+00	4.73E+04	7.65E-05
41	0.8720	33	45.59	45586	4.11E-04	4.11E-01	0.00E+00	0.00E+00	4.56E+04	9.35E-05		86	44.76	44763	3.41E-04	3.41E-01	0.00E+00	0.00E+00	4.48E+04	7.73E-05
42	0.8680	34	24.20	24197	6.78E-04	6.78E-01	0.00E+00	0.00E+00	2.42E+04	1.52E-04		190	22.60	22603	3.42E-04	3.42E-01	0.00E+00	0.00E+00	2.26E+04	7.72E-05
43	0.8640	35	24.20	24197	7.54E-04	7.54E-01	0.00E+00	0.00E+00	2.42E+04	1.73E-04		80	38.82	38821	3.43E-04	3.43E-01	0.00E+00	0.00E+00	3.95E+04	7.78E-05
44	0.8600	36	50.00	50000	3.05E-02	3.05E+01	0.00E+00	0.00E+00	5.00E+04	1.80E-02		47	39.51	39505	3.51E-04	3.51E-01	0.00E+00	0.00E+00	3.95E+04	7.97E-05
45	0.8560	37	34.45	34452	4.26E-04	4.26E-01	0.00E+00	0.00E+00	3.45E+04	9.67E-05		151	39.51	39505	3.59E-04	3.59E-01	0.00E+00	0.00E+00	3.95E+04	8.14E-05
46	0.8520	38	29.32	29319	6.17E-04	6.17E-01	0.00E+00	0.00E+00	2.93E+04	1.54E-04		66	27.58	27576	3.62E-04	3.62E-01	0.00E+00	0.00E+00	2.76E+04	8.98E-05
47	0.8480	39	29.32	29319	1.02E-03	1.02E+00	0.00E+00	0.00E+00	2.93E+04	2.32E-04		15	27.58	27576	3.77E-04	3.77E-01	0.00E+00	0.00E+00	2.76E+04	8.53E-05
48	0.8440	40	37.50	37500	2.14E-03	2.14E+00	0.00E+00	0.00E+00	3.75E+04	4.79E-04		128	22.60	22603	3.85E-04	3.85E-01	0.00E+00	0.00E+00	2.39E+04	9.39E-05
49	0.8400	41	50.00	50000	9.97E-03	9.97E+00	0.00E+00	0.00E+00	5.00E+04	5.85E-03		136	43.96	43959	3.92E-04	3.92E-01	0.00E+00	0.00E+00	4.40E+04	8.79E-05
50	0.8360	42	42.41	42405	1.14E-03	1.14E+00	0.00E+00	0.00E+00	4.24E+04	2.80E-04		178	29.32	29319	3.94E-04	3.94E-01	0.00E+00	0.00E+00	5.00E+04	9.63E-05
51	0.8320	43	33.88	33884	2.87E-04	2.87E-01	0.00E+00	0.00E+00	3.39E+04	6.52E-05		72	30.74	30736	4.05E-04	4.05E-01	0.00E+00	0.00E+00	3.07E+04	9.08E-05
52	0.8280	44	27.58	27576	7.43E-04	7.43E-01	0.00E+00	0.00E+00	2.76E+04	1.80E-04		33	45.59	45586	4.11E-04	4.11E-01	0.00E+00	0.00E+00	4.56E+04	9.35E-05
53	0.8240	45	37.50	37500	5.38E-04	5.38E-01	0.00E+00	0.00E+00	3.75E+04	1.25E-04		225	32.79	32786	4.12E-04	4.12E-01	0.00E+00	0.00E+00	3.28E+04	9.25E-05
54	0.8200	46	50.00	50000	8.99E-04	8.99E-01	0.00E+00	0.00E+00	5.00E+04	4.33E-04		97	40.92	40922	4.13E-04	4.13E-01	0.00E+00	0.00E+00	4.09E+04	9.37E-05
55	0.8160	47	39.51	39505	3.51E-04	3.51E-01	0.00E+00	0.00E+00	3.95E+04	7.97E-05		189	32.26	32255	4.15E-04	4.15E-01	0.00E+00	0.00E+00	3.28E+04	9.96E-05
56	0.8120	48	45.59	45586	6.29E-04	6.29E-01	0.00E+00	0.00E+00	4.56E+04	1.46E-04		220	31.23	31231	4.16E-04	4.16E-01	0.00E+00	0.00E+00	3.23E+04	9.42E-05
57	0.8080	49	36.24	36238	9.05E-04	9.05E-01	0.00E+00	0.00E+00	3.62E+04	2.04E-04		138	40.92	40922	4.20E-04	4.20E-01	0.00E+00	0.00E+00	4.09E+04	9.55E-05
58	0.8040	50	39.51	39505	6.89E-04	6.89E-01	0.00E+00	0.00E+00	3.95E+04	1.57E-04		9	32.26	32255	4.21E-04	4.21E-01	0.00E+00	0.00E+00	3.23E+04	9.56E-05
59	0.8000	51	24.20	24197	1.02E-03	1.02E+00	0.00E+00	0.00E+00	2.42E+04	2.30E-04		22	17.60	17600	4.21E-04	4.21E-01	0.00E+00	0.00E+00	2.42E+04	9.51E-05
60	0.7960	52	20.92	20918	3.27E-04	3.27E-01	0.00E+00	0.00E+00	2.09E+04	7.28E-05		212	47.29	47291	4.26E-04	4.26E-01	0.00E+00	0.00E+00	4.73E+04	1.04E-04
61	0.7920	53	25.99	25987	9.87E-04	9.87E-01	0.00E+00	0.00E+00	2.60E+04	2.28E-04		37	34.45	34452	4.26E-04	4.26E-01	0.00E+00	0.00E+00	3.45E+04	9.67E-05
62	0.7880	54	38.82	38821	1.02E-03	1.02E+00	0.00E+00	0.00E+00	3.88E+04	2.39E-04		8	37.50	37500	4.30E-04	4.30E-01	0.00E+00	0.00E+00	3.75E+04	9.74E-05
63	0.7840	55	30.74	30736	1.07E-03	1.07E+00	0.00E+00	0.00E+00	3.07E+04	2.44E-04		62	40.92	40922	4.32E-04	4.32E-01	0.00E+00	0.00E+00	4.09E+04	9.76E-05
64	0.7800	56	42.41	42405	2.33E-04	2.33E-01	0.00E+00	0.00E+00	4.24E+04	5.27E-05		141	34.45	34452	4.37E-04	4.37E-01	0.00E+00	0.00E+00	3.45E+04	9.77E-05
65	0.7760	57	42.41	42405	1.30E-02	1.30E+01	0.00E+00	0.00E+00	4.24E+04	7.63E-03		239	33.33	33328	4.43E-04	4.43E-01	0.00E+00	0.00E+00	3.33E+04	9.94E-05
66	0.7720	58	45.59	45586	4.99E-04	4.99E-01	0.00E+00	0.00E+00	4.56E+04	1.13E-04		29	37.50	37500	4.46E-04	4.46E-01	0.00E+00	0.00E+00	3.75E+04	1.00E-04
67	0.7680	59	29.32	29319	5.78E-04	5.78E-01	0.00E+00	0.00E+00	2.93E+04	1.31E-04		115	42.41	42405	4.48E-04	4.48E-01	0.00E+00	0.00E+00	4.24E+04	1.83E-04
68	0.7640	60	44.76	44763	6.46E-04	6.46E-01	0.00E+00	0.00E+00	4.48E+04	1.47E-04		193	44.76	44763	4.70E-04	4.70E-01	0.00E+00	0.00E+00	4.40E+04	1.11E-04
69	0.7600	61	42.41	42405	5.21E-04	5.21E-01	0.00E+00	0.00E+00	4.24E+04	1.18E-04		227	25.99	25987	4.72E-04	4.72E-01	0.00E+00	0.00E+00	2.60E+04	1.06E-04
70	0.7560	62	40.92	40922	4.32E-04	4.32E-01	0.00E+00	0.00E+00	4.09E+04	9.76E-05		154	25.61	25612	4.73E-04	4.73E-01	0.00E+00	0.00E+00	2.56E+04	1.07E-04
71	0.7520	63	47.29	47291	3.40E-04	3.40E-01	0.00E+00	0.00E+00	4.73E+04	7.65E-05		247	27.58	27576	4.73E-04	4.73E-01	0.00E+00	0.00E+00	2.76E+04	1.08E-04
72	0.7480	64	35.63	35629	6.65E-04	6.65E-01	0.00E+00	0.00E+00	3.56E+04	1.51E-04		17	36.24	36238	4.74E-04	4.74E-01	0.00E+00	0.00E+00	3.62E+04	1.08E-04
73	0.7440	65	50.00	50000	5.62E-05	5.62E-02	0.00E+00	0.00E+00	5.00E+04	1.27E-05		140	32.79	32786	4.77E-04	4.77E-01	0.00E+00	0.00E+00	3.28E+04	1.09E-04
74	0.7400	66	27.58	27576	3.62E-04	3.62E-01	0.00E+00	0.00E+00	2.76E+04	8.98E-05		241	40.21	40205	4.78E-04	4.78E-01	0.00E+00	0.00E+00	5.00E+04	1.55E-04
75	0.7360	67	22.60	22603	5.53E-04	5.53E-01	0.00E+00	0.00E+00	2.26E+04	1.24E-04		153	40.92	40922	4.79E-04	4.79E-01	0.00E+00	0.00E+00	4.09E+04	1.09E-04
76	0.7320	68	20.92	20918	9.99E-04	9.99E-01	0.00E+00	0.00E+00	2.09E+04	2.49E-04		73	30.74	30736	4.87E-04	4.87E-01	0.00E+00	0.00E+00	3.07E+04	1.11E-04
77	0.7280	69	38.82	38821	6.81E-04	6.81E-01	0.00E+00	0.00E+00	3.88E+04	1.55E-04		95	27.58	27576	4.89E-04	4.89E-01	0.00E+00	0.00E+00	2.76E+04	1.11E-04
78	0.7240	70	40.21	40205	4.72E-02	4.72E+01	0.00E+00	0.00E+00	4.02E+04	2.79E-02		28	21.45	21454	4.89E-04	4.89E-01	0.00E+00	0.00E+00	2.15E+04	1.11E-04
79	0.7200	71	22.60	22603	6.19E-04	6.19E-01	0.00E+00	0.00E+00	2.26E+04	1.39E-04		157	25.99	25987	4.98E-04	4.98E-01	0.00E+00	0.00E+00	2.60E+04	1.12E-04
80	0.7160	72	30.74	30736	4.05E-04	4.05E-01	0.00E+00	0.00E+00	3.07E+04	9.08E-05		58	45.59	45586	4.99E-04	4.99E-01	0.00E+00	0.00E+00	4.56E+04	1.13E-04
81	0.7120	73	30.74	30736	4.87E-04	4.87E-01	0.00E+00	0.00E+00	3.07E+04	1.11E-04		93	43.96	43959	5.01E-04	5.01E-01	0.00E+00	0.00E+00	4.40E+04	1.12E-04
82	0.7080	74	50.00	50000	1.29E-03	1.29E+00	0.00E+00	0.00E+00	3.75E+04	3.18E-04		192	32.79	32786	5.02E-04	5.02E-01	0.00E+00	0.00E+00	3.28E+04	1.14E-04
83	0.7040	75	37.50	37500	7.29E-04	7.29E-01	0.00E+00	0.00E+00	3.75E+04	1.66E-04		175	40.92	40922	5.02E-04	5.02E-01	0.00E+00	0.00E+00	4.09E+04	1.14E-04
84	0.7000	76	38.82	38821	8.00E-04	8.00E-01	0.00E+00	0.00E+00	3.88E+04	1.82E-04		135	27.58	27576	5.11E-04	5.11E-01	0.00E+00	0.00E+00	2.76E+04	1.22E-04
85	0.6960	77	22.60	22603	1.34E-03	1.34E+00	0.00E+00	0.00E+00	2.26E+04	3.31E-04		181	27.58	27576	5.15E-04	5.15E-01	0.00E+00	0.00E+00	2.76E+04	1.20E-04
86	0.6920	78	30.74	30736	8.71E-04	8.71E-01	0.00E+00	0.00E+00	3.07E+04	1.97E-04		20	34.45	34452	5.16E-04	5.16E-01	0.00E+00	0.00E+00	3.45E+04	1.16E-04
87	0.6880	79	43.96	43959	2.78E-02	2.78E+01	0.00E+00	0.00E+00	4.40E+04	1.63E-02		145	48.17	48173	5.19E-04	5.19E-01	0.00E+00	0.00E+00	4.82E+04	1.18E-04

3/3/00 (DRL)

Base Case + Higher tuff alluvium Rd - Sorted 2 of 3

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
88	0.6840	80	38.82	38821	3.43E-04	3.43E-01	0.00E+00	0.00E+00	3.95E+04	7.78E-05		113	37.50	37500	5.20E-04	5.20E-01	0.00E+00	0.00E+00	3.75E+04	1.17E-04
89	0.6800	81	36.24	36238	8.61E-04	8.61E-01	0.00E+00	0.00E+00	3.75E+04	1.95E-04		61	42.41	42405	5.21E-04	5.21E-01	0.00E+00	0.00E+00	4.24E+04	1.18E-04
90	0.6760	82	22.60	22603	1.28E-03	1.28E+00	0.00E+00	0.00E+00	2.26E+04	2.87E-04		111	24.20	24197	5.35E-04	5.35E-01	0.00E+00	0.00E+00	2.42E+04	1.20E-04
91	0.6720	83	22.60	22603	9.12E-04	9.12E-01	0.00E+00	0.00E+00	2.26E+04	2.26E-04		45	37.50	37500	5.38E-04	5.38E-01	0.00E+00	0.00E+00	3.75E+04	1.25E-04
92	0.6680	84	36.24	36238	6.93E-04	6.93E-01	0.00E+00	0.00E+00	3.75E+04	1.60E-04		4	20.92	20918	5.44E-04	5.44E-01	0.00E+00	0.00E+00	2.09E+04	1.21E-04
93	0.6640	85	29.32	29319	8.26E-04	8.26E-01	0.00E+00	0.00E+00	2.93E+04	1.88E-04		31	24.20	24197	5.45E-04	5.45E-01	0.00E+00	0.00E+00	2.42E+04	1.23E-04
94	0.6600	86	44.76	44763	3.41E-04	3.41E-01	0.00E+00	0.00E+00	4.48E+04	7.73E-05		149	32.79	32786	5.46E-04	5.46E-01	0.00E+00	0.00E+00	3.28E+04	1.27E-04
95	0.6560	87	31.23	31231	7.06E-04	7.06E-01	0.00E+00	0.00E+00	3.12E+04	1.60E-04		204	25.99	25987	5.50E-04	5.50E-01	0.00E+00	0.00E+00	2.60E+04	1.25E-04
96	0.6520	88	25.99	25987	7.48E-04	7.48E-01	0.00E+00	0.00E+00	2.60E+04	1.70E-04		248	43.96	43959	5.50E-04	5.50E-01	0.00E+00	0.00E+00	4.40E+04	1.23E-04
97	0.6480	89	37.50	37500	1.38E-03	1.38E+00	0.00E+00	0.00E+00	3.75E+04	3.08E-04		67	22.60	22603	5.53E-04	5.53E-01	0.00E+00	0.00E+00	2.26E+04	1.24E-04
98	0.6440	90	38.82	38821	7.47E-04	7.47E-01	0.00E+00	0.00E+00	3.88E+04	1.85E-04		199	24.20	24197	5.55E-04	5.55E-01	0.00E+00	0.00E+00	2.42E+04	1.25E-04
99	0.6400	91	36.24	36238	8.15E-05	8.15E-02	0.00E+00	0.00E+00	3.62E+04	2.01E-05		231	37.50	37500	5.59E-04	5.59E-01	0.00E+00	0.00E+00	3.75E+04	1.33E-04
100	0.6360	92	36.24	36238	6.08E-04	6.08E-01	0.00E+00	0.00E+00	3.62E+04	1.36E-04		198	24.20	24197	5.63E-04	5.63E-01	0.00E+00	0.00E+00	2.42E+04	1.27E-04
101	0.6320	93	43.96	43959	5.01E-04	5.01E-01	0.00E+00	0.00E+00	4.40E+04	1.12E-04		108	22.91	22907	5.67E-04	5.67E-01	0.00E+00	0.00E+00	2.29E+04	1.27E-04
102	0.6280	94	38.82	38821	2.83E-04	2.83E-01	0.00E+00	0.00E+00	3.88E+04	6.37E-05		167	43.96	43959	5.68E-04	5.68E-01	0.00E+00	0.00E+00	4.40E+04	1.28E-04
103	0.6240	95	27.58	27576	4.89E-04	4.89E-01	0.00E+00	0.00E+00	2.76E+04	1.11E-04		16	40.92	40922	5.71E-04	5.71E-01	0.00E+00	0.00E+00	4.09E+04	1.29E-04
104	0.6200	96	39.51	39505	6.74E-04	6.74E-01	0.00E+00	0.00E+00	3.95E+04	1.53E-04		59	29.32	29319	5.78E-04	5.78E-01	0.00E+00	0.00E+00	2.93E+04	1.31E-04
105	0.6160	97	40.92	40922	4.13E-04	4.13E-01	0.00E+00	0.00E+00	4.09E+04	9.37E-05		216	36.24	36238	5.83E-04	5.83E-01	0.00E+00	0.00E+00	3.62E+04	1.36E-04
106	0.6120	98	40.92	40922	6.85E-04	6.85E-01	0.00E+00	0.00E+00	4.09E+04	1.61E-04		127	32.26	32255	6.03E-04	6.03E-01	0.00E+00	0.00E+00	3.23E+04	1.37E-04
107	0.6080	99	25.99	25987	2.31E-04	2.31E-01	0.00E+00	0.00E+00	2.60E+04	5.17E-05		207	25.99	25987	6.07E-04	6.07E-01	0.00E+00	0.00E+00	2.60E+04	1.40E-04
108	0.6040	100	50.00	50000	4.50E-02	4.50E+01	0.00E+00	0.00E+00	5.00E+04	2.66E-02		92	36.24	36238	6.08E-04	6.08E-01	0.00E+00	0.00E+00	3.62E+04	1.36E-04
109	0.6000	101	43.96	43959	9.55E-04	9.55E-01	0.00E+00	0.00E+00	4.40E+04	2.17E-04		38	29.32	29319	6.17E-04	6.17E-01	0.00E+00	0.00E+00	2.93E+04	1.54E-04
110	0.5960	102	22.60	22603	2.92E-04	2.92E-01	0.00E+00	0.00E+00	2.26E+04	6.55E-05		195	23.54	23537	6.18E-04	6.18E-01	0.00E+00	0.00E+00	2.35E+04	1.38E-04
111	0.5920	103	28.87	28868	1.72E-03	1.72E+00	0.00E+00	0.00E+00	2.89E+04	4.03E-04		104	27.58	27576	6.18E-04	6.18E-01	0.00E+00	0.00E+00	2.76E+04	1.39E-04
112	0.5880	104	27.58	27576	6.18E-04	6.18E-01	0.00E+00	0.00E+00	2.76E+04	1.39E-04		71	22.60	22603	6.19E-04	6.19E-01	0.00E+00	0.00E+00	2.26E+04	1.39E-04
113	0.5840	105	43.96	43959	3.35E-04	3.35E-01	0.00E+00	0.00E+00	4.40E+04	7.54E-05		197	30.74	30736	6.19E-04	6.19E-01	0.00E+00	0.00E+00	3.07E+04	1.41E-04
114	0.5800	106	28.87	28868	7.00E-04	7.00E-01	0.00E+00	0.00E+00	2.89E+04	1.57E-04		229	37.50	37500	6.24E-04	6.24E-01	0.00E+00	0.00E+00	3.75E+04	1.59E-04
115	0.5760	107	32.79	32786	3.37E-04	3.37E-01	0.00E+00	0.00E+00	3.28E+04	8.07E-05		48	45.59	45586	6.29E-04	6.29E-01	0.00E+00	0.00E+00	4.56E+04	1.46E-04
116	0.5720	108	22.91	22907	5.67E-04	5.67E-01	0.00E+00	0.00E+00	2.29E+04	1.27E-04		30	25.99	25987	6.31E-04	6.31E-01	0.00E+00	0.00E+00	2.60E+04	1.41E-04
117	0.5680	109	50.00	50000	1.06E-03	1.06E+00	0.00E+00	0.00E+00	5.00E+04	6.09E-04		170	24.20	24197	6.33E-04	6.33E-01	0.00E+00	0.00E+00	2.42E+04	1.44E-04
118	0.5640	110	27.58	27576	1.27E-03	1.27E+00	0.00E+00	0.00E+00	2.76E+04	2.99E-04		142	33.88	33884	6.40E-04	6.40E-01	0.00E+00	0.00E+00	3.39E+04	1.45E-04
119	0.5600	111	24.20	24197	5.35E-04	5.35E-01	0.00E+00	0.00E+00	2.42E+04	1.20E-04		172	27.58	27576	6.41E-04	6.41E-01	0.00E+00	0.00E+00	2.76E+04	1.46E-04
120	0.5560	112	39.51	39505	7.62E-04	7.62E-01	0.00E+00	0.00E+00	3.95E+04	1.73E-04		219	24.20	24197	6.43E-04	6.43E-01	0.00E+00	0.00E+00	2.42E+04	1.45E-04
121	0.5520	113	37.50	37500	5.20E-04	5.20E-01	0.00E+00	0.00E+00	3.75E+04	1.17E-04		60	44.76	44763	6.46E-04	6.46E-01	0.00E+00	0.00E+00	4.48E+04	1.47E-04
122	0.5480	114	50.00	50000	1.21E-04	1.21E-01	0.00E+00	0.00E+00	5.00E+04	2.89E-05		19	17.06	17064	6.58E-04	6.58E-01	0.00E+00	0.00E+00	1.71E+04	1.47E-04
123	0.5440	115	42.41	42405	4.48E-04	4.48E-01	0.00E+00	0.00E+00	4.24E+04	1.83E-04		64	35.63	35629	6.65E-04	6.65E-01	0.00E+00	0.00E+00	3.56E+04	1.51E-04
124	0.5400	116	20.92	20918	7.00E-04	7.00E-01	0.00E+00	0.00E+00	2.09E+04	1.57E-04		222	32.79	32786	6.66E-04	6.66E-01	0.00E+00	0.00E+00	3.28E+04	1.49E-04
125	0.5360	117	27.58	27576	1.00E-03	1.00E+00	0.00E+00	0.00E+00	2.76E+04	2.28E-04		96	39.51	39505	6.74E-04	6.74E-01	0.00E+00	0.00E+00	3.95E+04	1.53E-04
126	0.5320	118	27.58	27576	1.12E-03	1.12E+00	0.00E+00	0.00E+00	2.76E+04	2.54E-04		34	24.20	24197	6.78E-04	6.78E-01	0.00E+00	0.00E+00	2.42E+04	1.52E-04
127	0.5280	119	29.32	29319	1.19E-03	1.19E+00	0.00E+00	0.00E+00	2.93E+04	2.70E-04		69	38.82	38821	6.81E-04	6.81E-01	0.00E+00	0.00E+00	3.88E+04	1.55E-04
128	0.5240	120	50.00	50000	1.79E-01	1.79E+02	0.00E+00	0.00E+00	5.00E+04	1.05E-01		168	20.92	20918	6.83E-04	6.83E-01	0.00E+00	0.00E+00	2.09E+04	1.55E-04
129	0.5200	121	47.29	47291	1.22E-04	1.22E-01	0.00E+00	0.00E+00	4.73E+04	2.76E-05		98	40.92	40922	6.85E-04	6.85E-01	0.00E+00	0.00E+00	4.09E+04	1.61E-04
130	0.5160	122	45.59	45586	7.20E-04	7.20E-01	0.00E+00	0.00E+00	4.56E+04	1.62E-04		234	37.50	37500	6.86E-04	6.86E-01	0.00E+00	0.00E+00	3.75E+04	1.70E-04
131	0.5120	123	34.45	34452	8.65E-04	8.65E-01	0.00E+00	0.00E+00	3.45E+04	1.97E-04		50	39.51	39505	6.89E-04	6.89E-01	0.00E+00	0.00E+00	3.95E+04	1.57E-04
132	0.5080	124	28.87	28868	2.99E-04	2.99E-01	0.00E+00	0.00E+00	2.89E+04	6.79E-05		84	36.24	36238	6.93E-04	6.93E-01	0.00E+00	0.00E+00	3.75E+04	1.60E-04
133	0.5040	125	27.58	27576	9.09E-04	9.09E-01	0.00E+00	0.00E+00	2.76E+04	2.05E-04		1	40.92	40922	6.94E-04	6.94E-01	0.00E+00	0.00E+00	4.09E+04	1.58E-04
134	0.5000	126	47.29	47291	8.71E-04	8.71E-01	0.00E+00	0.00E+00	4.73E+04	1.98E-04		116	20.92	20918	7.00E-04	7.00E-01	0.00E+00	0.00E+00	2.09E+04	1.57E-04
135	0.4960	127	32.26	32255	6.03E-04	6.03E-01	0.00E+00	0.00E+00	3.23E+04	1.37E-04		106	28.87	28868	7.00E-04	7.00E-01	0.00E+00	0.00E+00	2.89E+04	1.57E-04
136	0.4920	128	22.60	22603	3.85E-04	3.85E-01	0.00E+00	0.00E+00	2.39E+04	9.39E-05		87	31.23	31231	7.06E-04	7.06E-01	0.00E+00	0.00E+00	3.12E+04	1.60E-04
137	0.4880	129	33.88	33884	1.57E-03	1.57E+00	0.00E+00	0.00E+00	3.39E+04	3.57E-04		171	29.32	29319	7.12E-04	7.12E-01	0.00E+00	0.00E+00	2.93E+04	1.59E-04
138	0.4840	130	45.59	45586	7.18E-04	7.18E-01	0.00E+00	0.00E+00	4.56E+04	1.81E-04		236	47.29	47291	7.15E-04	7.15E-01	0.00E+00	0.00E+00	4.73E+04	3.94E-04
139	0.4800	131	22.60	22603	8.01E-04	8.01E-01	0.00E+00	0.00E+00	2.26E+04	1.81E-04		130	45.59	45586	7.18E-04	7.18E-01	0.00E+00	0.00E+00	4.56E+04	1.81E-04
140	0.4760	132	50.00	50000	3.22E-02	3.22E+01	0.00E+00	0.00E+00	5.00E+04	1.90E-02		122	45.59	45586	7.20E-04	7.20E-01	0.00E+00	0.00E+00	4.56E+04	1.62E-04
141	0.4720	133	24.20	24197	9.06E-04	9.06E-01	0.00E+00	0.00E+00	2.42E+04	2.04E-04		218	23.22	23219	7.21E-04	7.21E-01	0.00E+00	0.00E+00	2.32E+04	1.64E-04
142	0.4680	134	27.58	27576	1.16E-03	1.16E+00	0.00E+00	0.00E+00	2.76E+04	2.63E-04		75	37.50	37500	7.29E-04	7.29E-01	0.00E+00	0.00E+00	3.75E+04	1.66E-04
143	0.4640	135	27.58	27576	5.11E-04	5.11E-01	0.00E+00	0.00E+00	2.76E+04	1.22E-04		230	29.32	29319	7.33E-04	7.33E-01	0.00E+00	0.00E+00	2.93E+04	1.67E-04
144	0.4600	136	43.96	43959	3.92E-04	3.92E-01	0.00E+00	0.00E+00	4.40E+04	8.79E-05		215	22.60	22603	7.33E-04	7.33E-01	0.00E+00	0.00E+00	2.26E+04	1.64E-04
145	0.4560	137	37.50	37500	1.05E-03	1.05E+00	0.00E+00	0.00E+00	3.75E+04	2.37E-04		180	24.20	24197	7.37E-04	7.37E-01	0.00E+00	0.00E+00	2.42E+04	1.68E-04
146	0.4520	138	40.92	40922	4.20E-04	4.20E-01	0.00E+00	0.00E+00	4.09E+04	9.55E-05		44	27.58	27576	7.43E-04	7.43E-01	0.00E+00	0.00E+00	2.76E+04	1.80E-04
147	0.4480	139	22.91	22907	8.47E-04	8.47E-01	0.00E+00	0.00E+00	2.29E+04	1.92E-04		90	38.82	38821	7.47E-04	7.47E-01	0.00E+00	0.00E+00	3.88E+04	1.85E-04
148	0.4440	140	32.79	32786	4.77E-04	4.77E-01	0.00E+00	0.00E+00	3.28E+04	1.09E-04		169	22.60	22603	7.47E-04	7.47E-01	0.00E+00	0.00E+00	2.26E+04	1.69E-04
149	0.4400	141	34.45	34452	4.37E-04	4.37E-01	0.00E+00	0.00E+00	3.45E+04	9.77E-05		88	25.99	25987	7.48E-04	7.48E-01	0.00E+00	0.00E+00	2.60E+04	1.70E-04
150	0.4360	142	33.88	33884	6.40E-04	6.40E-01	0.00E+00	0.00E+00	3.39E+04	1.45E-04		35	24.20	24197	7.54E-04	7.54E-01	0.00E+00	0.00E+00	2.42E+04	1.73E-04
151	0.4320	143	38.82	38821	1.23E-03	1.23E+00	0.00E+00	0.00E+00	3.88E+04	2.95E-04		159	43.96	43959	7.56E-04	7.56E-01	0.00E+00	0.00E+00	4.40E+04	1.87E-04
152	0.4280	144	34.45	34452	1.74E-03	1.74E+00	0.00E+00	0.00E+00	3.45E+04	3.89E-04		112	39.51	39505	7.62E-04	7.62E-01	0.00E+00	0.00E+00	3.95E+04	1.73E-04
153	0.4240	145	48.17	48173	5.19E-04	5.19E-01	0.00E+00	0.00E+00	4.82E+04	1.18E-04		203	22.60	22603	7.67E-04	7.67E-01	0.00E+00	0.00E+00	2.26E+04	1.74E-04
154	0.4200	146	27.58	27576	8.34E-04	8.34E-01	0.00E+00	0.00E+00	2.76E+04	2.03E-04		156	39.51	39505	7.91E-04	7.91E-01	0.00E+00	0.00E+00	3.95E+04	1.79E-04
155	0.4160	147	50.00	50000	1.86E-02	1.86E+01	0.00E+00	0.00E+00	5.00E+04	1.09E-02		76	38.82	38821	8.00E-04	8.00E-01	0.00E+00	0.00E+00	3.88E+04	1.82E-04
156	0.4120	148	45.59	45586	1.34E-03	1.34E+00	0.00E+00	0.00E+00	4.56E+04	3.04E-04		131	22.60	22603	8.01E-04	8.01E-01	0.00E+00	0.00E+00	2.26E+04	1.81E-04
157	0.4080	149	32.79	32786	5.46E-04	5.46E-01	0.00E+00	0.00E+00	3.28E+04	1.27E-04		185	27.58	27576	8.03E-04	8.03E-01	0.00E+00	0.00E+00	2.76E+04	1.82E-04
158	0.4040	150	47.29	47291	1.86E-04	1.86E-01	0.00E+00	0.00E+00	4.73E+04	4.22E-05		211	25.61	25612	8.14E-04	8.14E-01	0.00E+00	0.00E+00	2.56E+04	1.83E-04
159	0.4000	151	39.51	39505	3.59E-04	3.59E-01	0.00E+00	0.00E+00	3.95E+04	8.14E-05		85	29.32	29319	8.26E-04	8.26E-01	0.00E+00	0.00E+00	2.93E+04	1.88E-04
160	0.3960	152	22.60	22603	9.35E-04	9.35E-01	0.00E+00	0.00E+00	2.26E+04	2.36E-04		173	27.58	27576	8.27E-04	8.27E-01	0.00E+00	0.00E+00	3.75E+04	1.88E-04
161	0.3920	153	40.92	40922	4.79E-04	4.79E-01	0.00E+00	0.00E+00	4.09E+04	1.09E-04		232	32.26	32255	8.29E-04	8.29E-01	0.00E+00	0.00E+00	3.23E+04	1.95E-04
162	0.3880	154	25.61	25612	4.73E-04	4.73E-01	0.00E+00	0.00E+00	2.56E+04	1.07E-04		146	27.58	27576	8.34E-04	8.34E-01	0.00E+00	0.00E+00	2.76E+04	2.03E-04
163	0.3840	155	15.95	15948	3.57E-06	3.57E-03	0.00E+00	0.00E+00	1.59E+04	8.06E-07		244	22.60	22603	8.36E-04	8.36E-01	0.00E+00	0.00E+00	2.26E+04	1.87E-04
164	0.3800	156	39.51	39505	7.91E-04	7.91E-01	0.00E+00	0.00E+00	3.95E+04	1.79E-04		139	22.91	22907	8.47E-04	8.47E-01	0.00E+00	0.00E+00	2.29E+04	1.92E-04
165	0.3760	157	25.99	25987	4.98E-04	4.98E-01	0.00E+00	0.00E+00	2.60E+04	1.12E-04		240	25.99	25987	8.49E-04	8.49E-01	0.00E+00	0.00E+00	2.72E+04	1.90E-04
166	0.3720	158	19.45	19451	1.02E-03	1.02E+00	0.00E+00	0.00E+00	1.95E+04	2.26E-04		81	36.24	36238	8.61E-04	8.61E-01	0.00E+00	0.00E+00	3.75E+04	1.95E-04
167	0.3680	159	43.96	43959	7.56E-04	7.56E-01	0.00E+00	0.00E+00	4.40E+04	1.87E-04		200	22.60	22603	8.63E-04	8.63E-01	0.00E+00	0.00E+00	2.26E+04	2.15E-04
168	0.3640	160	32.26	32255	1.07E-03	1.07E+00	0.00E+00	0.00E+00	3.23E+04	2.53E-04		123	34.45	34452	8.65E-04	8.65E-01	0.00E+00	0.00E+00	3.45E+04	1.97E-04
169	0.3600	161	24.20	24197	2.60E-04	2.60E-01	0.00E+00	0.00E+00	2.42E+04	5.79E-05		233	27.58	27576	8.69E-04	8.69E-01	0.00E+00	0.00E+00	2.76E+04	1.94E-04
170	0.3560	162	37.50	37500	1.44E-03	1.44E+00	0.00E+00	0.00E+00	3.75E+04	3.26E-04		78	30.74	30736	8.71E-04	8.71E-01	0.00E+00	0.00E+00	3.07E+04	1.97E-04
171	0.3520	163	50.00	50000	2.86E-02	2.86E+01	0.00E+00	0.00E+00	5.00E+04	1.68E-02		126	47.29	47291	8.71E-04	8.71E-01	0.00E+00	0.00E+00	4.73E+04	1.98E-04
172	0.3480	164	32.26	32255	1.04E-03	1.04E+00	0.00E+00	0.00E+00	3.23E+04	2.42E-04		177	47.29	47291	8.72E-04	8.72E-01	0.00E+00	0.00E+00	4.73E+04	2.90E-04
173	0.3440	165	30.74	30736	1.51E-03	1.51E+00	0.00E+00	0.00E+00	2.93E+04	3.61E-04		217	29.32	29319	8.84E-04	8.84E-01	0.00E+00	0.00E+00	2.93E+04	2.09E-04
174	0.3400	166	44.76	44763	2.13E-04	2.13E-01	0.00E+00	0.00E+00	4.48E+04	4.80E-05		245	31.74	31737	8.86E-04	8.86E-01	0.00E+00	0.00E+00	3.17E+04	1.98E-04

3/3/00

Base Case + Higher tuff, alluvium R_D, Sorted 3 of 3

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
175	0.3360	167	43.96	43959	5.68E-04	5.68E-01	0.00E+00	0.00E+00	4.40E+04	1.28E-04		24	45.59	45586	8.89E-04	8.89E-01	0.00E+00	0.00E+00	4.56E+04	2.02E-04
176	0.3320	168	20.92	20918	6.83E-04	6.83E-01	0.00E+00	0.00E+00	2.09E+04	1.55E-04		226	20.41	20406	8.96E-04	8.96E-01	0.00E+00	0.00E+00	2.04E+04	2.00E-04
177	0.3280	169	22.60	22603	7.47E-04	7.47E-01	0.00E+00	0.00E+00	2.26E+04	1.69E-04		46	50.00	50000	8.99E-04	8.99E-01	0.00E+00	0.00E+00	5.00E+04	4.33E-04
178	0.3240	170	24.20	24197	6.33E-04	6.33E-01	0.00E+00	0.00E+00	2.42E+04	1.44E-04		49	36.24	36238	9.05E-04	9.05E-01	0.00E+00	0.00E+00	3.62E+04	2.04E-04
179	0.3200	171	29.32	29319	7.12E-04	7.12E-01	0.00E+00	0.00E+00	2.93E+04	1.59E-04		133	24.20	24197	9.06E-04	9.06E-01	0.00E+00	0.00E+00	2.42E+04	2.04E-04
180	0.3160	172	27.58	27576	6.41E-04	6.41E-01	0.00E+00	0.00E+00	2.76E+04	1.46E-04		125	27.58	27576	9.09E-04	9.09E-01	0.00E+00	0.00E+00	2.76E+04	2.05E-04
181	0.3120	173	27.58	27576	8.27E-04	8.27E-01	0.00E+00	0.00E+00	3.75E+04	1.88E-04		83	22.60	22603	9.12E-04	9.12E-01	0.00E+00	0.00E+00	2.26E+04	2.26E-04
182	0.3080	174	44.76	44763	6.08E-02	6.08E+01	0.00E+00	0.00E+00	4.40E+04	3.56E-02		32	22.60	22603	9.14E-04	9.14E-01	0.00E+00	0.00E+00	2.26E+04	2.05E-04
183	0.3040	175	40.92	40922	5.02E-04	5.02E-01	0.00E+00	0.00E+00	4.09E+04	1.14E-04		152	22.60	22603	9.35E-04	9.35E-01	0.00E+00	0.00E+00	2.26E+04	2.36E-04
184	0.3000	176	25.61	25612	1.64E-03	1.64E+00	0.00E+00	0.00E+00	2.56E+04	3.70E-04		237	32.26	32255	9.45E-04	9.45E-01	0.00E+00	0.00E+00	3.23E+04	2.15E-04
185	0.2960	177	47.29	47291	8.72E-04	8.72E-01	0.00E+00	0.00E+00	4.73E+04	2.90E-04		188	30.74	30736	9.50E-04	9.50E-01	0.00E+00	0.00E+00	3.07E+04	2.14E-04
186	0.2920	178	29.32	29319	3.94E-04	3.94E-01	0.00E+00	0.00E+00	5.00E+04	9.63E-05		12	24.20	24197	9.53E-04	9.53E-01	0.00E+00	0.00E+00	2.42E+04	2.16E-04
187	0.2880	179	43.96	43959	4.68E-02	4.68E+01	0.00E+00	0.00E+00	4.48E+04	2.75E-02		101	43.96	43959	9.55E-04	9.55E-01	0.00E+00	0.00E+00	4.40E+04	2.17E-04
188	0.2840	180	24.20	24197	7.37E-04	7.37E-01	0.00E+00	0.00E+00	2.42E+04	1.68E-04		228	19.23	19226	9.62E-04	9.62E-01	0.00E+00	0.00E+00	1.95E+04	2.21E-04
189	0.2800	181	27.58	27576	5.15E-04	5.15E-01	0.00E+00	0.00E+00	2.76E+04	1.20E-04		18	24.20	24197	9.79E-04	9.79E-01	0.00E+00	0.00E+00	2.42E+04	2.21E-04
190	0.2760	182	28.87	28868	1.30E-03	1.30E+00	0.00E+00	0.00E+00	2.89E+04	2.93E-04		214	24.20	24197	9.81E-04	9.81E-01	0.00E+00	0.00E+00	2.42E+04	2.22E-04
191	0.2720	183	50.00	50000	2.66E-02	2.66E+01	0.00E+00	0.00E+00	5.00E+04	1.56E-02		53	25.99	25987	9.87E-04	9.87E-01	0.00E+00	0.00E+00	2.60E+04	2.28E-04
192	0.2680	184	32.26	32255	3.32E-04	3.32E-01	0.00E+00	0.00E+00	3.23E+04	7.52E-05		250	25.99	25987	9.92E-04	9.92E-01	0.00E+00	0.00E+00	2.60E+04	2.24E-04
193	0.2640	185	27.58	27576	8.03E-04	8.03E-01	0.00E+00	0.00E+00	2.76E+04	1.82E-04		221	43.96	43959	9.98E-04	9.98E-01	0.00E+00	0.00E+00	4.40E+04	2.46E-04
194	0.2600	186	28.00	27997	1.04E-03	1.04E+00	0.00E+00	0.00E+00	2.80E+04	2.59E-04		66	20.92	20918	9.99E-04	9.99E-01	0.00E+00	0.00E+00	2.09E+04	2.49E-04
195	0.2560	187	26.76	26763	1.29E-04	1.29E-01	0.00E+00	0.00E+00	2.68E+04	2.90E-05		117	27.58	27576	1.00E-03	1.00E+00	0.00E+00	0.00E+00	2.76E+04	2.28E-04
196	0.2520	188	30.74	30736	9.50E-04	9.50E-01	0.00E+00	0.00E+00	3.07E+04	2.14E-04		158	19.45	19451	1.02E-03	1.02E+00	0.00E+00	0.00E+00	1.95E+04	2.26E-04
197	0.2480	189	32.26	32255	4.15E-04	4.15E-01	0.00E+00	0.00E+00	3.28E+04	9.96E-05		51	24.20	24197	1.02E-03	1.02E+00	0.00E+00	0.00E+00	2.42E+04	2.30E-04
198	0.2440	190	22.60	22603	3.42E-04	3.42E-01	0.00E+00	0.00E+00	2.26E+04	7.72E-05		54	38.82	38821	1.02E-03	1.02E+00	0.00E+00	0.00E+00	3.88E+04	2.39E-04
199	0.2400	191	28.87	28868	1.68E-03	1.68E+00	0.00E+00	0.00E+00	2.89E+04	3.78E-04		39	29.32	29319	1.02E-03	1.02E+00	0.00E+00	0.00E+00	2.93E+04	2.32E-04
200	0.2360	192	32.79	32786	5.02E-04	5.02E-01	0.00E+00	0.00E+00	3.28E+04	1.14E-04		235	38.82	38821	1.02E-03	1.02E+00	0.00E+00	0.00E+00	3.88E+04	2.32E-04
201	0.2320	193	44.76	44763	4.70E-04	4.70E-01	0.00E+00	0.00E+00	4.40E+04	1.11E-04		186	28.00	27997	1.04E-03	1.04E+00	0.00E+00	0.00E+00	2.80E+04	2.59E-04
202	0.2280	194	30.74	30736	2.28E-04	2.28E-01	0.00E+00	0.00E+00	3.07E+04	5.14E-05		164	32.26	32255	1.04E-03	1.04E+00	0.00E+00	0.00E+00	3.23E+04	2.42E-04
203	0.2240	195	23.54	23537	6.18E-04	6.18E-01	0.00E+00	0.00E+00	2.35E+04	1.38E-04		137	37.50	37500	1.05E-03	1.05E+00	0.00E+00	0.00E+00	3.75E+04	2.37E-04
204	0.2200	196	24.20	24197	1.22E-03	1.22E+00	0.00E+00	0.00E+00	2.42E+04	3.09E-04		109	50.00	50000	1.06E-03	1.06E+00	0.00E+00	0.00E+00	5.00E+04	6.09E-04
205	0.2160	197	30.74	30736	6.19E-04	6.19E-01	0.00E+00	0.00E+00	3.07E+04	1.41E-04		160	32.26	32255	1.07E-03	1.07E+00	0.00E+00	0.00E+00	3.23E+04	2.53E-04
206	0.2120	198	24.20	24197	5.63E-04	5.63E-01	0.00E+00	0.00E+00	2.42E+04	1.27E-04		55	30.74	30736	1.07E-03	1.07E+00	0.00E+00	0.00E+00	3.07E+04	2.44E-04
207	0.2080	199	24.20	24197	5.55E-04	5.55E-01	0.00E+00	0.00E+00	2.42E+04	1.25E-04		118	27.58	27576	1.12E-03	1.12E+00	0.00E+00	0.00E+00	2.76E+04	2.54E-04
208	0.2040	200	22.60	22603	8.63E-04	8.63E-01	0.00E+00	0.00E+00	2.26E+04	2.15E-04		21	44.76	44763	1.14E-03	1.14E+00	0.00E+00	0.00E+00	4.48E+04	2.61E-04
209	0.2000	201	25.61	25612	1.32E-03	1.32E+00	0.00E+00	0.00E+00	2.56E+04	2.97E-04		42	42.41	42405	1.14E-03	1.14E+00	0.00E+00	0.00E+00	4.24E+04	2.80E-04
210	0.1960	202	40.92	40922	2.87E-04	2.87E-01	0.00E+00	0.00E+00	4.09E+04	6.51E-05		134	27.58	27576	1.16E-03	1.16E+00	0.00E+00	0.00E+00	2.76E+04	2.63E-04
211	0.1920	203	22.60	22603	7.67E-04	7.67E-01	0.00E+00	0.00E+00	2.26E+04	1.74E-04		119	29.32	29319	1.19E-03	1.19E+00	0.00E+00	0.00E+00	2.93E+04	2.70E-04
212	0.1880	204	25.99	25987	5.50E-04	5.50E-01	0.00E+00	0.00E+00	2.60E+04	1.25E-04		196	24.20	24197	1.22E-03	1.22E+00	0.00E+00	0.00E+00	2.42E+04	3.09E-04
213	0.1840	205	18.18	18175	1.52E-03	1.52E+00	0.00E+00	0.00E+00	1.82E+04	3.41E-04		143	38.82	38821	1.23E-03	1.23E+00	0.00E+00	0.00E+00	3.88E+04	2.95E-04
214	0.1800	206	50.00	50000	3.53E-02	3.53E+01	0.00E+00	0.00E+00	5.00E+04	2.08E-02		110	27.58	27576	1.27E-03	1.27E+00	0.00E+00	0.00E+00	2.76E+04	2.99E-04
215	0.1760	207	25.99	25987	6.07E-04	6.07E-01	0.00E+00	0.00E+00	2.60E+04	1.40E-04		82	22.60	22603	1.28E-03	1.28E+00	0.00E+00	0.00E+00	2.26E+04	2.87E-04
216	0.1720	208	50.00	50000	5.70E-03	5.70E+00	0.00E+00	0.00E+00	5.00E+04	3.34E-03		74	50.00	50000	1.29E-03	1.29E+00	0.00E+00	0.00E+00	3.75E+04	3.18E-04
217	0.1680	209	50.00	50000	3.38E-04	3.38E-01	0.00E+00	0.00E+00	5.00E+04	7.70E-05		182	28.87	28868	1.30E-03	1.30E+00	0.00E+00	0.00E+00	2.89E+04	2.93E-04
218	0.1640	210	25.61	25612	2.91E-04	2.91E-01	0.00E+00	0.00E+00	2.56E+04	6.55E-05		201	25.61	25612	1.32E-03	1.32E+00	0.00E+00	0.00E+00	2.56E+04	2.97E-04
219	0.1600	211	25.61	25612	8.14E-04	8.14E-01	0.00E+00	0.00E+00	2.56E+04	1.83E-04		77	22.60	22603	1.34E-03	1.34E+00	0.00E+00	0.00E+00	2.26E+04	3.31E-04
220	0.1560	212	47.29	47291	4.26E-04	4.26E-01	0.00E+00	0.00E+00	4.73E+04	1.04E-04		148	45.59	45586	1.34E-03	1.34E+00	0.00E+00	0.00E+00	4.56E+04	3.04E-04
221	0.1520	213	35.63	35629	1.47E-03	1.47E+00	0.00E+00	0.00E+00	3.56E+04	3.34E-04		89	37.50	37500	1.38E-03	1.38E+00	0.00E+00	0.00E+00	3.75E+04	3.08E-04
222	0.1480	214	24.20	24197	9.81E-04	9.81E-01	0.00E+00	0.00E+00	2.42E+04	2.22E-04		5	24.20	24197	1.39E-03	1.39E+00	0.00E+00	0.00E+00	2.42E+04	3.10E-04
223	0.1440	215	22.60	22603	7.33E-04	7.33E-01	0.00E+00	0.00E+00	2.26E+04	1.64E-04		162	37.50	37500	1.44E-03	1.44E+00	0.00E+00	0.00E+00	3.75E+04	3.26E-04
224	0.1400	216	36.24	36238	5.83E-04	5.83E-01	0.00E+00	0.00E+00	3.62E+04	1.36E-04		213	35.63	35629	1.47E-03	1.47E+00	0.00E+00	0.00E+00	3.56E+04	3.34E-04
225	0.1360	217	29.32	29319	8.84E-04	8.84E-01	0.00E+00	0.00E+00	2.93E+04	2.09E-04		165	30.74	30736	1.51E-03	1.51E+00	0.00E+00	0.00E+00	2.93E+04	3.61E-04
226	0.1320	218	23.22	23219	7.21E-04	7.21E-01	0.00E+00	0.00E+00	2.32E+04	1.64E-04		205	18.18	18175	1.52E-03	1.52E+00	0.00E+00	0.00E+00	1.82E+04	3.41E-04
227	0.1280	219	24.20	24197	6.43E-04	6.43E-01	0.00E+00	0.00E+00	2.42E+04	1.45E-04		3	24.54	24539	1.53E-03	1.53E+00	0.00E+00	0.00E+00	2.45E+04	3.41E-04
228	0.1240	220	31.23	31231	4.16E-04	4.16E-01	0.00E+00	0.00E+00	3.23E+04	9.42E-05		129	33.88	33884	1.57E-03	1.57E+00	0.00E+00	0.00E+00	3.39E+04	3.57E-04
229	0.1200	221	43.96	43959	9.98E-04	9.98E-01	0.00E+00	0.00E+00	4.40E+04	2.46E-04		176	25.61	25612	1.64E-03	1.64E+00	0.00E+00	0.00E+00	2.56E+04	3.70E-04
230	0.1160	222	32.79	32786	6.66E-04	6.66E-01	0.00E+00	0.00E+00	3.28E+04	1.49E-04		191	28.87	28868	1.68E-03	1.68E+00	0.00E+00	0.00E+00	2.89E+04	3.78E-04
231	0.1120	223	33.88	33884	3.29E-04	3.29E-01	0.00E+00	0.00E+00	3.39E+04	7.47E-05		103	28.87	28868	1.72E-03	1.72E+00	0.00E+00	0.00E+00	2.89E+04	4.03E-04
232	0.1080	224	50.00	50000	1.31E-02	1.31E+01	0.00E+00	0.00E+00	5.00E+04	7.75E-03		144	34.45	34452	1.74E-03	1.74E+00	0.00E+00	0.00E+00	3.45E+04	3.89E-04
233	0.1040	225	32.79	32786	4.12E-04	4.12E-01	0.00E+00	0.00E+00	3.28E+04	9.25E-05		27	50.00	50000	2.10E-03	2.10E+00	0.00E+00	0.00E+00	5.00E+04	1.19E-03
234	0.1000	226	20.41	20406	8.96E-04	8.96E-01	0.00E+00	0.00E+00	2.04E+04	2.00E-04		40	37.50	37500	2.14E-03	2.14E+00	0.00E+00	0.00E+00	3.75E+04	4.79E-04
235	0.0960	227	25.99	25987	4.72E-04	4.72E-01	0.00E+00	0.00E+00	2.60E+04	1.06E-04		208	50.00	50000	5.70E-03	5.70E+00	0.00E+00	0.00E+00	5.00E+04	3.34E-03
236	0.0920	228	19.23	19226	9.62E-04	9.62E-01	0.00E+00	0.00E+00	1.95E+04	2.21E-04		41	50.00	50000	9.97E-03	9.97E+00	0.00E+00	0.00E+00	5.00E+04	5.85E-03
237	0.0880	229	37.50	37500	6.24E-04	6.24E-01	0.00E+00	0.00E+00	3.75E+04	1.59E-04		249	46.43	46429	1.06E-02	1.06E+01	0.00E+00	0.00E+00	4.73E+04	6.15E-03
238	0.0840	230	29.32	29319	7.33E-04	7.33E-01	0.00E+00	0.00E+00	2.93E+04	1.67E-04		7	50.00	50000	1.14E-02	1.14E+01	0.00E+00	0.00E+00	5.00E+04	6.70E-03
239	0.0800	231	37.50	37500	5.59E-04	5.59E-01	0.00E+00	0.00E+00	3.75E+04	1.33E-04		57	42.41	42405	1.30E-02	1.30E+01	0.00E+00	0.00E+00	4.24E+04	7.63E-03
240	0.0760	232	32.26	32255	8.29E-04	8.29E-01	0.00E+00	0.00E+00	3.23E+04	1.95E-04		224	50.00	50000	1.31E-02	1.31E+01	0.00E+00	0.00E+00	5.00E+04	7.75E-03
241	0.0720	233	27.58	27576	8.69E-04	8.69E-01	0.00E+00	0.00E+00	2.76E+04	1.94E-04		6	50.00	50000	1.69E-02	1.69E+01	0.00E+00	0.00E+00	5.00E+04	9.98E-03
242	0.0680	234	37.50	37500	6.86E-04	6.86E-01	0.00E+00	0.00E+00	3.75E+04	1.70E-04		246	40.21	40205	1.75E-02	1.75E+01	0.00E+00	0.00E+00	4.02E+04	1.02E-02
243	0.0640	235	38.82	38821	1.02E-03	1.02E+00	0.00E+00	0.00E+00	3.88E+04	2.32E-04		147	50.00	50000	1.86E-02	1.86E+01	0.00E+00	0.00E+00	5.00E+04	1.09E-02
244	0.0600	236	47.29	47291	7.15E-04	7.15E-01	0.00E+00	0.00E+00	4.73E+04	3.94E-04		242	37.50	37500	1.96E-02	1.96E+01	0.00E+00	0.00E+00	3.75E+04	1.15E-02
245	0.0560	237	32.26	32255	9.45E-04	9.45E-01	0.00E+00	0.00E+00	3.23E+04	2.15E-04		13	50.00	50000	2.22E-02	2.22E+01	0.00E+00	0.00E+00	5.00E+04	1.31E-02
246	0.0520	238	34.45	34452	2.17E-04	2.17E-01	0.00E+00	0.00E+00	3.45E+04	4.92E-05		183	50.00	50000	2.66E-02	2.66E+01	0.00E+00	0.00E+00	5.00E+04	1.56E-02
247	0.0480	239	33.33	33328	4.43E-04	4.43E-01	0.00E+00	0.00E+00	3.33E+04	9.94E-05		79	43.96	43959	2.78E-02	2.78E+01	0.00E+00	0.00E+00	4.40E+04	1.63E-02
248	0.0440	240	25.99	25987	8.49E-04	8.49E-01	0.00E+00	0.00E+00	2.72E+04	1.90E-04		163	50.00	50000	2.86E-02	2.86E+01	0.00E+00	0.00E+00	5.00E+04	1.68E-02
249	0.0400	241	40.21	40205	4.78E-04	4.78E-01	0.00E+00	0.00E+00	5.00E+04	1.55E-04		36	50.00	50000	3.05E-02	3.05E+01	0.00E+00	0.00E+00	5.00E+04	1.80E-02
250	0.0360	242	37.50	37500	1.96E-02	1.96E+01	0.00E+00	0.00E+00	3.75E+04	1.15E-02		243	50.00	50000	3.19E-02	3.19E+01	0.00E+00	0.00E+00	5.00E+04	1.88E-02
251	0.0320	243	50.00	50000	3.19E-02	3.19E+01	0.00E+00	0.00E+00	5.00E+04	1.88E-02		132	50.00	50000	3.22E-02	3.22E+01	0.00E+00	0.00E+00	5.00E+04	1.90E-02
252	0.0280	244	22.60	22603	8.36E-04	8.36E-01	0.00E+00	0.00E+00	2.26E+04	1.87E-04		206	50.00	50000	3.53E-02	3.53E+01	0.00E+00	0.00E+00	5.00E+04	2.08E-02
253	0.0240	245	31.74	31737	8.86E-04	8.86E-01	0.00E+00	0.00E+00	3.17E+04	1.98E-04		100	50.00	50000	4.50E-02	4.50E+01	0.00E+00	0.00E+00	5.00E+04	2.66E-02
254	0.0200	246	40.21	40205	1.75E-02	1.75E+01	0.00E+00	0.00E+00	4.02E+04	1.02E-02		179	43.96	43959	4.68E-02	4.68E+01	0.00E+00	0.00E+00	4.48E+04	2.75E-02
255	0.0160	247	27.58	27576	4.73E-04	4.73E-01	0.00E+00	0.00E+00	2.76E+04	1.08E-04		70	40.21	40205	4.72E-02	4.72E+01	0.00E+00	0.00E+00	4.02E+04	2.79E-02
256	0.0120	248	43.96	43959	5.50E-04	5.50E-01	0.00E+00	0.00E+00	4.40E+04	1.23E-04		23	47.29	47291	5.08E-02	5.08E+01	0.00E+00	0.00E+00	4.73E+04	2.99E-02
257	0.0080	249	46.43	46429	1.06E-02	1.06E+01	0.00E+00	0.00E+00	4.73E+04	6.15E-03		174	44.76	44763	6.08E-02	6.08E+01	0.00E+00	0.00E+00	4.40E+04	3.56E-02
258	0.0040	250	25.99	25987	9.92E-04	9.92E-01	0.00E+00	0.00E+00	2.60E+04	2.24E-04		120	50.00	50000	1.79E-01	1.79E+02	0.00E+00	0.00E+00	5.00E+04	1.05E-01

3/3/00

Base Case + Lower Solubility + Higher R_D (tuff + alluvium)

Unsorted 1 of 2

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
13	Input		file	tpa inp	as	supplied	with	TPA	Version	3.2.1	Code																
14	Base		case	data	set	Rev	3.2.1	2/22/99																			
15	TPA		3.2.3	PVM	capable,	Job	started:	Thu	Oct	21	8:50:35	1999															
16	Groundwater		Total	Peak	Dose	and	Peak	Time	with	Doses																	
17	for		Each	Nuclide	at	Peak	Time	-	Values	for	Each	Vector															
18																											
19	vector	pktime	pktime	pkdose	Cm246de	U238de	Cm245de	Am241de	Np237de	Am243de	Pu239de	Pu240de	U234de	Th230de	Ra226de	Pb210de	Cs135de	I129de	Tc99de	Tc99de	Ni59de	C14de	Se79de	Nb94de	Cl36de	timedwpk	drnkh20
20	unitless	yr/1000	yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	mrem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	yr	rem/yr
21	1	40.92	40922	6.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-06	4.09E+04	1.58E-04
22	2	14.09	14088	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-08	1.41E+04	3.13E-06
23	3	24.54	24539	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	0.00E+00	0.00E+00	2.26E-07	0.00E+00	0.00E+00	0.00E+00	4.71E-05	2.45E+04	3.41E-04
24	4	20.92	20918	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05	2.09E+04	1.21E-04
25	5	24.20	24197	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-05	2.42E+04	3.10E-04
26	6	50.00	50000	1.69E-02	0.00E+00	1.34E-05	0.00E+00	0.00E+00	1.68E-02	0.00E+00	0.00E+00	0.00E+00	4.87E-05	7.94E-11	6.00E-09	1.26E-08	0.00E+00	7.80E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05	0.00E+00	9.66E-07	5.00E+04	9.98E-03
27	7	50.00	50000	1.14E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.21E-05	0.00E+00	2.02E-05	5.00E+04	6.70E-03
28	8	37.50	37500	4.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	3.20E-08	0.00E+00	0.00E+00	0.00E+00	2.96E-06	3.75E+04	9.74E-05
29	9	32.26	32255	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-08	0.00E+00	1.52E-06	3.23E+04	9.56E-05
30	10	10.98	10982	3.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-06	0.00E+00	5.71E-07	1.10E+04	7.59E-06
31	11	32.79	32786	2.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.15E-06	0.00E+00	2.86E-06	3.28E+04	7.28E-05
32	12	24.20	24197	9.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-04	0.00E+00	0.00E+00	7.00E-07	0.00E+00	5.18E-09	0.00E+00	8.34E-06	2.42E+04	2.16E-04
33	13	50.00	50000	2.22E-02	0.00E+00	4.38E-11	0.00E+00	0.00E+00	2.21E-02	0.00E+00	0.00E+00	0.00E+00	1.63E-10	3.31E-16	7.41E-15	3.92E-14	0.00E+00	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-06	0.00E+00	1.63E-06	5.00E+04	1.31E-02
34	14	42.41	42405	3.06E-04	0.00E+00	2.28E-09	0.00E+00	0.00E+00	8.32E-10	0.00E+00	0.00E+00	0.00E+00	8.57E-09	3.83E-13	5.36E-12	1.91E-11	0.00E+00	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-08	0.00E+00	1.20E-09	4.24E+04	6.95E-05
35	15	27.58	27576	3.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.21E-06	2.76E+04	8.53E-05
36	16	40.92	40922	5.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-07	0.00E+00	5.59E-06	4.09E+04	1.29E-04
37	17	36.24	36238	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05	3.62E+04	1.08E-04
38	18	24.20	24197	9.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	2.42E+04	2.21E-04
39	19	17.06	17064	6.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.38E-04	0.00E+00	0.00E+00	3.60E-07	0.00E+00	0.00E+00	0.00E+00	1.99E-05	1.71E+04	1.47E-04
40	20	34.45	34452	5.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-06	0.00E+00	1.22E-05	3.45E+04	1.18E-04
41	21	44.76	44763	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	3.84E-07	0.00E+00	1.84E-05	0.00E+00	2.54E-06	4.45E+04	2.61E-04
42	22	17.60	17600	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	2.42E+04	9.51E-05
43	23	47.29	47291	5.08E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-06	4.73E+04	2.99E-02
44	24	45.59	45586	8.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-08	0.00E+00	3.19E-06	4.56E+04	2.02E-04
45	25	30.74	30736	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-05	0.00E+00	6.22E-07	3.07E+04	6.29E-05
46	26	29.32	29319	3.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-04	0.00E+00	0.00E+00	5.03E-06	0.00E+00	5.50E-07	0.00E+00	3.26E-06	2.93E+04	7.10E-05
47	27	50.00	50000	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-06	5.00E+04	1.19E-03
48	28	21.45	21454	4.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-06	0.00E+00	1.15E-05	2.15E+04	1.11E-04
49	29	37.50	37500	4.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.96E-06	3.75E+04	1.00E-04
50	30	25.99	25987	6.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05	2.60E+04	1.41E-04
51	31	24.20	24197	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-06	2.42E+04	1.23E-04
52	32	22.60	22603	9.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-04	0.00E+00	0.00E+00	1.77E-08	0.00E+00	0.00E+00	0.00E+00	2.31E-05	2.26E+04	2.05E-04
53	33	45.59	45586	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	4.75E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-05	4.56E+04	9.35E-05
54	34	24.20	24197	8.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	2.42E+04	1.52E-04
55	35	24.20	24197	7.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05	0.00E+00	9.26E-06	2.42E+04	1.73E-04
56	36	50.00	50000	3.05E-02	0.00E+00	9.68E-07	0.00E+00	0.00E+00	3.03E-02	0.00E+00	0.00E+00	0.00E+00	3.57E-06	1.63E-11	2.80E-10	4.69E-10	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05	0.00E+00	1.42E-06	5.00E+04	1.80E-02
57	37	34.45	34452	4.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.22E-04	0.00E+00	0.00E+00	2.25E-06	0.00E+00	3.16E-09	0.00E+00	2.43E-06	3.45E+04	9.67E-05
58	38	29.32	29319	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	6.79E-10	0.00E+00	1.06E-04	0.00E+00	3.12E-06	2.93E+04	1.54E-04
59	39	29.32	29319	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	4.24E-08	0.00E+00	4.07E-08	0.00E+00	3.08E-06	2.93E+04	2.32E-04
60	40	37.50	37500	2.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-05	3.75E+04	4.79E-04
61	41	50.00	50000	9.97E-03	0.00E+00	1.58E-08	0.00E+00	0.00E+00	9.84E-03	0.00E+00	0.00E+00	0.00E+00	5.88E-08	5.20E-12	1.15E-12	1.18E-11	0.00E+00	1.21E-04	0.00E+00	0.00E+00	4.26E-08	0.00E+00	5.20E-07	0.00E+00	1.42E-06	5.00E+04	5.85E-03
62	42	42.41	42405	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-04	0.00E+00	0.00E+00	1.75E-07	0.00E+00	1.51E-04	0.00E+00	4.04E-06	4.24E+04	2.80E-04
63	43	33.88	33884	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-06	3.39E+04	6.52E-05
64	44	27.58	27576	7.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.49E-04	0.00E+00	0.00E+00	5.66E-08	0.00E+00	8.37E-05	0.00E+00	4.43E-06	2.76E+04	1.80E-04
65	45	37.50	37500	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05	0.00E+00	1.56E-06	3.75E+04	1.25E-04
66	46	50.00	50000	8.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-06	5.00E+04	4.33E-04
67	47	39.51	39505	3.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.42E-04	0.00E+00	0.00E+00	6.84E-08	0.00E+00	0.00E+00	0.00E+00	1.70E-06	3.95E+04	7.97E-05
68	48	45.59	45586	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-05	0.00E+00	1.88E-06	4.56E+04	1.46E-04
69	49	36.24	36238	9.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-04	0.00E+00	0.00E+00	1.41E-07	0.00E+00	0.00E+00	0.00E+00	1.27E-05	3.62E+04	2.04E-04
70	50	39.51	39505	6.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-09	0.00E+00	1.86E-06	3.95E+04	1.57E-04
71	51	24.20	24197	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-11	0.00E+00	1.25E-05	2.42E+04	2.30E-04
72	52	20.92	20918	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-06	2.09E+04	7.28E-05
73	53	25.99	25987	9.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-05	0.00E+00	3.47E-06	2.60E+04	2.28E-04
74	54	38.82	38821	1.02E-03	0.00E+00	1.01E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-10	1.46E-14	1.85E-14	6.64E-14	0.00E+00	9.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-05	0.00E+00	3.58E-06	3.88E+04	2.39E-04
75	55	30.74	30736	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-06	3.07E+04	2.44E-04
76	56	42.41	42405	2.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-06	4.24E+04	5.27E-05
77	57	42.41	42405	1.30E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	5.93E-08	0.00E+00	0.00E+00	0.00E+00	1.39E-06	4.24E+04	7.63E-03
78	58	45.59	45586	4.99E-04	0.00E+00	1.74E-07	0.00E+00	0.00E+00	2.25E-24	0.00E+00	0.00E+00	0.00E+00	8.55E-07	1.75E-11	7.06E-11	1.05E-10	0.00E+00	4.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-06	4.56E+04	1.13E-04
79	59	29.32	29319	5.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-06	0.00E+00	4.67E-06	2.93E+04	1.31E-04
80	60	44.76	44763	6.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-04	0.00E+00	0.00E+00	7.50E-09	0.00E+00	0.00E+00	0.00E+00	2.09E-06	4.48E+04	1.47E-04
81	61	42.41	42405	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-06	4.24E+04	1.18E-04
82	62	40.92	40922	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-06	4.09E+04	9.76E-05
83	63	47.29	47291	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	5.88E-07	0.00E+00	0.00E+00	0.00E+00	5.56E-06	4.73E+04	7.65E-05
84	64	35.63	35629	8.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-06	3.56E+04	1.51E-04
85	65	50.00	50000	5.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-07	5.00E+04	1.27E-05
86	66	27.58	27576	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.62E-05	0.00E+00	1.87E-06	2.76E+04	8.93E-05
87	67	22.60	22603	5.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-06	2.26E+04	1.24E-04
88	68	20.92	20918	9.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.95E-04	0.00E+00	0.00E+00	1.04E-05	0.00E+00	1.79E-04	0.00E+00	1.48E-05	2.09E+04	2.49E-04
89	69	38.82	38821	6.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-04	0.00E+00	0.00E+00	2.59E-08	0.00E+00	0.00E+00	0.00E+00	1.78E-06	3.88E+04	1.55E-04
90	70	40.21	40205	4.72E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-06	4.02E+04	2.79E-02
91	71	22.60	22603	6.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-06	0.00E+00	1.25E-05	2.26E+04	1.39E-04
92	72	30.74	30736	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.25E-08	0.00E+00	8.69E-06	3.07E+04	9.08E-05
93	73	30.74	30736	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-06	3.07E+04	1.11E-04
94	74	50.00	50000	1.29E-03	0.00E+00	5.54E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-10	1.36E-15	1.27E-14	4.71E-14	0.00E+00	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	2.28E-06	3.75E+04	3.18E-04
95	75	37.50	37500	7.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-04	0.00E+00	0.00E+00	6.20E-08	0.00E+00	0.00E+00	0.00E+00	1.79E-06	3.75E+04	1.66E-04
96	76	38.82	38821	8.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-06	3.88E+04	1.82E-04
97	77	22.60	22603	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	2.79E-08	0.00E+00	2.25E-04	0.00E+00	2.82E-05	2.26E+04	3.31E-04
98	78	30.74	30736	8.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-04	0.00E+00	0.00E+00	1.21E-11	0.00E+00	0.00E+00	0.00E+00	5.57E-06	3.07E+04	1.97E-04
99	79	43.96	43959	2.78E-02	0.00E+00	7.45E-08	0.00E+00	0.00E+00	2.75E-02	0.00E+00	0.00E+00	0.00E+00	2.81E-07	1.13E-14	1.32E-11	2.56E-11	0.00E+00	2.22E-04	0.00E+00	0.00E+00	3.71E-08	0.00E+00	0.00E+00	0.00E+00	2.76E-06	4.40E+04	1.63E-02
100	80	38.82	38821	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-06	3.95E+04	7.78E-05
101	81	36.24	36238	8.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	3.75E+04	1.95E-04
102	82	22.60	22603	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-09	0.00E+00	2.53E-05	2.26E+04	2.87E-04
103	83	22.60	22603	9.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-04	0.00E+00	2.08E-05	2.26E+04	2.26E-04
104	84	36.24	36238	6.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-04	0.00E+00	0.00E+00	8.58E-07	0.00E+00	2.44E-05	0.00E+00	7.59E-06	3.75E+04	1.60E-04
105	85	29.32	29319	8.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-06	2.93E+04	1.88E-04
106	86	44.76	44763	3.41E-04	0.00E+00	4.05E-09	0.00E+00	0.00E+00	4.90E-12	0.00E+00	0.00E+00	0.00E+00	1.52E-08	3.63E-11	2.95E-12	2.76E-11	0.00E+00	3.39E-04	0.00E+00	0.00E+00	2.65E-07	0.00E+00	0.00E+00	0.00E+00	1.82E-06	4.48E+04	7.73E-05
107	87	31.23	31231	7.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-06	3.12E+04	1.60E-04
108	88	25.99	25987	7.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-06	2.60E+04	1.70E-04
109	89	37.50	37500	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-07	0.00E+00	3.42E-05	3.75E+04	3.08E-04
110	90	38.82	38821	7.47E-04	0.00E+00	1.60E-16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.12E-16	3.93E-22	9.49E-21	6.02E-20	0.00E+00	8.33E-04	0.00E+00	0.00E+00	7.57E-19	0.00E+00	1.12E-04	0.00E+00	2.21E-06	3.88E+04	1.85E-04
111	91	36.24	36238	8.15E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.58E-05	0.00E+00	0.00E+00	2.39E-08	0.00E+00	1.25E-05	0.00E+00	8.76E-07	3.62E+04	2.01E-05
112	92	36.24	36238	6.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	3.62E+04	1.36E-04
113	93	43.96	43959	5.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	4.40E+04	1.12E-04
114	94	38.82	38821	2.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.79E-04	0.00E+00	0.00E+00	3.90E-17	0.00E+00	2.57E-08	0.00E+00	4.12E-06	3.88E+04	6.37E-05
115	95	27.58	27576	4.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-04	0.00E+00	0.00E+00	5.50E-08	0.00E+00	0.00E+00	0.00E+00	5.40E-06	2.76E+04	1.11E-04
116	96	39.51	39505	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.71E-04	0.00E+00	0.00E+00	1.59E-09	0.00E+00	0.00E+00	0.00E+00	2.24E-06	3.95E+04	1.53E-04
117	97	40.92	40922	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-13	0.00E+00	2.16E-06	4.09E+04	9.37E-05
118	98	40.92	40922	6.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-05	0.00E+00	2.07E-06	4.09E+04	1.61E-04
119	99	25.99	25987	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-06	2.60E+04	5.17E-05
120	100	50.00	50000	4.50E-02	0.00E+00	2.41E-08	0.00E+00	0.00E+00	4.48E-02	0.00E+00	0.00E+00	0.00E+00	8.94E-06	5.92E-09	5.94E-09	2.02E-08	0.00E+00	1.95E-04	0.00E+00	0.00E+00	4.90E-08	0.00E+00	0.00E+00	0.00E+00	2.28E-06	5.00E+04	2.66E-02
121	101	43.96	43959	9.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-04	0.00E+00	0.00E+00	2.59E-08	0.00E+00	0.00E+00	0.00E+00	3.11E-06	4.40E+04	2.17E-04
122	102	22.60	22603	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	4.70E-08	0.00E+00	0.00E+00	0.00E+00	6.69E-06	2.26E+04	6.55E-05
123	103	28.87	28868	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-04	0.00E+00	4.25E-05	2.89E+04	4.03E-04
124	104	27.58	27576	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-04	0.00E+00	0.00E+00	2.27E-07	0.00E+00	3.71E-07	0.00E+00	1.35E-05	2.76E+04	1.39E-04
125	105	43.96	43959	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-11	0.00E+00	6.15E-06	4.40E+04	7.54E-05
126	106	28.87	28868	7.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	2.89E+04	1.57E-04
127	107	32.79	32786	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-05	0.00E+00	1.25E-06	3.28E+04	8.07E-05
128	108	22.91	22907	5.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.52E-04	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	0.00E+00	1.33E-05	2.29E+04	1.27E-04
129	109	50.00	50000	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.69E-04	6.26E-07	1.71E-06	0.00E+00	7.72E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-05	0.00E+00	8.99E-07	5.00E+04	6.09E-04
130	110	27.58	27576	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-05	0.00E+00	5.25E-06	2.76E+04	2.99E-04
131	111	24.20	24197	5.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-04	0.00E+00	0.00E+00	2.62E-08	0.00E+00	0.00E+00	0.00E+00	8.92E-06	2.42E+04	1.20E-04
132	112	39.51	39505	7.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-06	3.95E+04	1.73E-04
133	113	37.50	37500	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	3.75E+04	1.17E-04
134	114	50.00	50000	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	1.27E-05	5.00E+04	2.69E-05
135	115	42.41	42405	4.48E-04	0.00E+00	2.57E-08	0.00E+00	0.00E+00	2.22E-04	0.00E+00	0.00E+00	0.00E+00	9.75E-08	3.47E-07	1.63E-09	3.04E-09	0.00E+00	2.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-06	4.24E+04	1.83E-04
136	116	20.92	20918	7.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-05	2.09E+04	1.57E-04
137	117	27.58	27576	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.40E-06	2.76E+04	2.28E-04
138	118	27.58	27576	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-08	0.00E+00	3.41E-06	2.76E+04	2.54E-04
139	119	29.32	29319	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-06	2.93E+04	2.70E-04
140	120	50.00	50000	1.79E-01	0.00E+00	3.41E-08	0.00E+00	0.00E+00	1.78E-01	0.00E+00	0.00E+00	0.00E+00	1.27E-05	3.67E-08	3.48E-09	8.46E-09	0.00E+00	9.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-05	0.00E+00	7.35E-06	5.00E+04	1.05E-01
141	121	47.29	47291	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-08	0.00E+00	1.49E-08	4.73E+04	2.76E-05
142	122	45.59	45586	7.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-04	0.00E+00	0.00E+00	4.61E-08	0.00E+00	1.41E-08	0.00E+00	1.39E-05	4.56E+04	1.62E-04
143	123	34.45	34452	8.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-06	3.45E+04	1.97E-04
144	124	28.87	28868	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-21	0.00E+00	1.06E-06	2.89E+04	6.79E-05
145	125	27.58	27576	9.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-04	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	1.33E-05	2.76E+04	2.05E-04
146	126	47.29	47291	8.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-06	4.73E+04	1.98E-04
147	127	32.26	32255	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-06	3.23E+04	1.37E-04
148	128	22.60	22603	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-05	0.00E+00	8.86E-06	2.39E+04	9.39E-05
149	129	33.88	33884	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-06	3.39E+04	3.57E-04
150	130	45.59	45586	7.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-05	0.00E+00	1.65E-06	4.56E+04	1.81E-04
151	131	22.60	22603	8.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-19	0.00E+00	6.80E-06	2.26E+04	1.81E-04
152	132	50.00	50000	3.22E-02	0.00E+00	9.10E-07	0.00E+00	0.00E+00	3.20E-02	0.00E+00	0.00E+00	0.00E+00	3.38E-08	1.81E-10	7.71E-10	3.37E-10	0.00E+00	9.77E-05	0.00E+00	0.00E+00	4.44E-08	0.00E+00	1.05E-05	0.00E+00	1.17E-06	5.00E+04	1.90E-02
153	133	24.20	24197	9.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-04	0.00E+00	0.00E+00	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-05	2.42E+04	2.04E-04

3/3/00

Base Case + Lower Tc solubility + Higher Tc Rd (tuff, alluvium) Unsorted 2 of 2

3/3/00

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
154	134	27.58	27576	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	2.76E+04	2.63E-04
155	135	27.58	27576	5.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-05	0.00E+00	4.54E-06	2.76E+04	1.22E-04
156	136	43.96	43959	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-06	4.40E+04	8.79E-05
157	137	37.50	37500	1.05E-03	0.00E+00	3.21E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-08	1.50E-15	9.92E-14	2.39E-13	0.00E+00	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-06	3.75E+04	2.37E-04
158	138	40.92	40922	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-06	4.09E+04	9.55E-05
159	139	22.91	22907	8.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-04	0.00E+00	0.00E+00	2.85E-07	0.00E+00	2.30E-05	0.00E+00	2.27E-05	2.29E+04	1.92E-04
160	140	32.79	32786	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-06	0.00E+00	5.73E-06	3.28E+04	1.09E-04
161	141	34.45	34452	4.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-05	3.45E+04	9.77E-05
162	142	33.88	33884	6.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-04	0.00E+00	0.00E+00	2.43E-16	0.00E+00	0.00E+00	0.00E+00	4.08E-06	3.39E+04	1.45E-04
163	143	38.82	38821	1.23E-03	0.00E+00	6.48E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	3.85E-08	0.00E+00	1.42E-04	0.00E+00	3.08E-05	3.88E+04	2.95E-04
164	144	34.45	34452	1.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	3.18E-08	0.00E+00	0.00E+00	0.00E+00	5.04E-05	3.45E+04	3.89E-04
165	145	48.17	48173	5.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.13E-04	0.00E+00	0.00E+00	3.88E-08	0.00E+00	0.00E+00	0.00E+00	1.88E-06	4.82E+04	1.18E-04
166	146	27.58	27576	8.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	1.37E-05	2.76E+04	2.03E-04
167	147	50.00	50000	1.68E-02	0.00E+00	2.65E-08	0.00E+00	0.00E+00	1.64E-02	0.00E+00	0.00E+00	0.00E+00	9.84E-08	1.30E-09	2.65E-09	1.14E-08	0.00E+00	2.47E-04	0.00E+00	0.00E+00	6.05E-08	0.00E+00	8.40E-07	0.00E+00	3.11E-06	5.00E+04	1.09E-02
168	148	45.59	45586	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	4.21E-06	4.56E+04	3.04E-04
169	149	32.79	32786	5.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00	4.87E-09	0.00E+00	3.20E-05	0.00E+00	8.44E-06	3.28E+04	1.27E-04
170	150	47.29	47291	1.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	3.20E-06	0.00E+00	0.00E+00	0.00E+00	7.41E-07	4.73E+04	4.22E-05
171	151	39.51	39505	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	2.87E-06	0.00E+00	0.00E+00	0.00E+00	2.31E-06	3.95E+04	8.14E-05
172	152	22.60	22603	9.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	0.00E+00	1.02E-05	2.26E+04	2.35E-04
173	153	40.92	40922	4.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-06	4.09E+04	1.09E-04
174	154	25.61	25612	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.32E-06	2.56E+04	1.07E-04
175	155	15.95	15948	3.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-08	1.59E+04	8.06E-07
176	156	39.51	39505	7.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.83E-04	0.00E+00	0.00E+00	3.41E-06	0.00E+00	0.00E+00	0.00E+00	4.38E-06	3.95E+04	1.79E-04
177	157	25.99	25987	4.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00	1.53E-08	0.00E+00	5.45E-07	0.00E+00	1.09E-05	2.60E+04	1.12E-04
178	158	19.45	19451	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-06	0.00E+00	3.81E-05	1.95E+04	2.29E-04
179	159	43.96	43959	7.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	6.05E-06	4.40E+04	1.87E-04
180	160	32.26	32255	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-05	0.00E+00	2.23E-05	3.23E+04	2.53E-04
181	161	24.20	24197	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.51E-04	0.00E+00	0.00E+00	8.37E-08	0.00E+00	0.00E+00	0.00E+00	8.11E-06	2.42E+04	5.79E-05
182	162	37.50	37500	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-06	3.75E+04	3.26E-04
183	163	50.00	50000	2.86E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	4.52E-06	0.00E+00	2.76E-05	0.00E+00	2.04E-05	5.00E+04	1.68E-02
184	164	32.26	32255	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-05	0.00E+00	2.48E-06	3.23E+04	2.42E-04
185	165	30.74	30736	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-05	0.00E+00	4.72E-06	2.93E+04	3.81E-04
186	166	44.76	44763	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-06	4.48E+04	4.80E-05
187	167	43.96	43959	5.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-08	0.00E+00	1.00E-05	4.40E+04	1.28E-04
188	168	20.92	20918	6.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-06	2.09E+04	1.55E-04
189	169	22.60	22603	7.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-07	0.00E+00	1.07E-05	2.26E+04	1.69E-04
190	170	24.20	24197	6.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-05	2.42E+04	1.44E-04
191	171	29.32	29319	7.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	0.00E+00	1.96E-05	2.93E+04	1.59E-04
192	172	27.58	27576	6.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-08	0.00E+00	3.83E-06	2.76E+04	1.46E-04
193	173	27.58	27576	8.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-06	3.75E+04	1.88E-04
194	174	44.76	44763	6.08E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-05	4.40E+04	3.56E-02
195	175	40.92	40922	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-06	4.09E+04	1.14E-04
196	176	25.61	25612	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-11	0.00E+00	2.44E-05	2.56E+04	3.70E-04
197	177	47.29	47291	8.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00	5.19E-07	0.00E+00	1.01E-05	0.00E+00	6.65E-05	4.73E+04	2.90E-04
198	178	29.32	29319	3.94E-04	0.00E+00	9.32E-21	0.00E+00	0.00E+00	1.50E-15	0.00E+00	0.00E+00	0.00E+00	3.63E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-05	0.00E+00	8.50E-06	5.00E+04	9.63E-06
199	179	43.96	43959	4.65E-02	0.00E+00	9.71E-08	0.00E+00	0.00E+00	4.64E-02	0.00E+00	0.00E+00	0.00E+00	3.66E-07	2.19E-10	5.05E-12	3.38E-11	0.00E+00	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-06	4.48E+04	2.75E-02
200	180	24.20	24197	7.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.35E-04	0.00E+00	0.00E+00	2.02E-10	0.00E+00	0.00E+00	0.00E+00	2.26E-06	2.42E+04	1.68E-04
201	181	27.58	27576	5.15E-04	0.00E+00	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-06	3.32E-12	8.14E-12	2.13E-11	0.00E+00	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05	0.00E+00	6.23E-06	2.76E+04	1.20E-04
202	182	28.87	28868	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05	2.89E+04	2.93E-04
203	183	50.00	50000	2.66E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-06	5.00E+04	1.56E-02
204	184	32.26	32255	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-06	3.23E+04	7.52E-05
205	185	27.58	27576	8.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-04	0.00E+00	0.00E+00	1.24E-05	0.00E+00	3.07E-08	0.00E+00	8.50E-06	2.76E+04	1.82E-04
206	186	28.00	27997	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-04	0.00E+00	2.57E-05	2.80E+04	2.59E-04
207	187	26.76	26763	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-06	2.68E+04	2.90E-05
208	188	30.74	30736	9.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-09	0.00E+00	1.35E-05	3.07E+04	2.14E-04
209	189	32.26	32255	4.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.79E-04	0.00E+00	0.00E+00	3.50E-06	0.00E+00	3.40E-05	0.00E+00	1.37E-06	3.28E+04	9.96E-05
210	190	22.60	22603	3.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-13	0.00E+00	4.97E-06	2.26E+04	7.72E-05
211	191	28.87	28868	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-05	2.89E+04	3.78E-04
212	192	32.79	32786	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-06	3.28E+04	1.14E-04
213	193	44.76	44763	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-01	0.00E+00	0.00E+00	1.40E-18	0.00E+00	2.89E-05	0.00E+00	2.17E-06	4.40E+04	1.11E-04
214	194	30.74	30736	2.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.30E-06	3.07E+04	5.14E-05
215	195	23.54	23537	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	2.35E+04	1.38E-04
216	196	24.20	24197	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-04	0.00E+00	2.20E-05	2.42E+04	3.09E-04
217	197	30.74	30736	6.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-07	0.00E+00	1.98E-06	3.07E+04	1.41E-04
218	198	24.20	24197	5.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-07	0.00E+00	6.38E-06	2.42E+04	1.27E-04
219	199	24.20	24197	5.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-04	0.00E+00	0.00E+00	1.42E-06	0.00E+00	0.00E+00	0.00E+00	1.17E-05	2.42E+04	1.25E-04
220	200	22.60	22603	8.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-04	0.00E+00	1.29E-05	2.26E+04	2.15E-04
221	201	25.61	25612	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	1.78E-05	0.00E+00	8.23E-07	0.00E+00	2.89E-05	2.56E+04	2.97E-04
222	202	40.92	40922	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-05	4.09E+04	6.51E-05
223	203	22.60	22603	7.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-06	2.26E+04	1.74E-04
224	204	25.99	25987	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-06	2.60E+04	1.25E-04
225	205	18.18	18175	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.03E-05	1.82E+04	3.41E-04
226	206	50.00	50000	3.53E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	3.37E-08	0.00E+00	0.00E+00	0.00E+00	1.89E-05	5.00E+04	2.08E-02
227	207	25.99	25987	6.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-04	0.00E+00	0.00E+00	5.38E-06	0.00E+00	2.43E-05	0.00E+00	7.48E-06	2.60E+04	1.40E-04
228	208	50.00	50000	5.70E-03	0.00E+00	4.00E-08	0.00E+00	0.00E+00	5.63E-03	0.00E+00	0.00E+00	0.00E+00	1.48E-07	5.90E-11	5.51E-12	4.13E-11	0.00E+00	7.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-07	5.00E+04	3.34E-03
229	209	50.00	50000	3.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-06	0.00E+00	2.33E-06	5.00E+04	7.70E-05
230	210	25.61	25612	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-06	2.56E+04	6.55E-05
231	211	25.61	25612	8.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05	2.56E+04	1.83E-04
232	212	47.29	47291	4.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	1.27E-19	0.00E+00	5.52E-05	0.00E+00	2.88E-06	4.73E+04	1.04E-04
233	213	35.63	35629	1.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-06	3.56E+04	3.34E-04
234	214	24.20	24197	9.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.97E-06	2.42E+04	2.22E-04
235	215	22.60	22603	7.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-04	0.00E+00	0.00E+00	1.47E-07	0.00E+00	0.00E+00	0.00E+00	1.66E-05	2.26E+04	1.64E-04
236	216	36.24	36238	5.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	1.11E-05	0.00E+00	2.51E-05	0.00E+00	2.51E-06	3.62E+04	1.36E-04
237	217	29.32	29319	8.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-05	0.00E+00	4.32E-06	2.93E+04	2.09E-04
238	218	23.22	23219	7.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-06	2.32E+04	1.64E-04
239	219	24.20	24197	6.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	2.42E+04	1.45E-04
240	220	31.23	31231	4.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-06	3.23E+04	9.42E-05
241	221	43.96	43959	9.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	9.20E-06	4.40E+04	2.46E-04
242	222	32.79	32786	8.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05	3.28E+04	1.49E-04
243	223	33.88	33884	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-06	3.39E+04	7.47E-05
244	224	50.00	50000	1.31E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-07	5.00E+04	7.75E-03
245	225	32.79	32786	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-06	3.28E+04	9.25E-05
246	226	20.41	20406	8.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-05	2.01E+04	2.00E-04
247	227	25.99	25987	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	2.60E+04	1.06E-04
248	228	19.23	19226	9.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.01E-05	0.00E+00	2.36E-05	1.95E+04	2.21E-04
249	229	37.50	37500	6.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-01	0.00E+00	2.81E-06	3.75E+04	1.59E-04
250	230	29.32	29319	7.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-06	0.00E+00	3.34E-06	2.93E+04	1.67E-04
251	231	37.50	37500	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-05	0.00E+00	2.01E-05	3.75E+04	1.33E-04
252	232	32.26	32255	8.29E-04	0.00E+00	2.08E-10	0.00E+00	0.00E+00	9.95E-06	0.00E+00	0.00E+00	0.00E+00	8.09E-10	1.61E-13	1.50E-13	4.85E-13	0.00E+00	7.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-05	0.00E+00	3.12E-06	3.23E+04	1.95E-04
253	233	27.58	27576	8.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-04	0.00E+00	0.00E+00	2.45E-08	0.00E+00	0.00E+00	0.00E+00	2.30E-05	2.76E+04	1.94E-04
254	234	37.50	37500	6.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-04	0.00E+00	5.29E-06	3.75E+04	1.70E-04
255	235	38.82	38821	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00	4.23E-06	3.88E+04	2.32E-04
256	236	47.29	47291	7.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.27E-06	0.00E+00	9.10E-07	4.73E+04	3.94E-02
257	237	32.26	32255	9.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-06	3.23E+04	2.15E-04
258	238	34.45	34452	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-04	0.00E+00	0.00E+00	3.21E-08	0.00E+00	0.00E+00	0.00E+00	1.92E-06	3.45E+04	4.92E-05
259	239	33.33	33328	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	1.28E-06	0.00E+00	0.00E+00	0.00E+00	9.76E-06	3.33E+04	9.94E-05
260	240	25.99	25987	8.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-04	0.00E+00	0.00E+00	2.25E-07	0.00E+00	0.00E+00	0.00E+00	2.17E-05	2.72E+04	1.90E-04
261	241	40.21	40205	4.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.06E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-06	5.00E+04	1.55E-04
262	242	37.50	37500	1.96E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	0.00E+00	0.00E+00	1.51E-20	0.00E+00	0.00E+00	0.00E+00	2.14E-06	3.75E+04	1.15E-02
263	243	50.00	50000	3.19E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	6.00E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-06	5.00E+04	1.88E-02
264	244	22.60	22603	8.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-04	0.00E+00	0.00E+00	6.90E-11	0.00E+00	0.00E+00	0.00E+00	2.01E-05	2.26E+04	1.87E-04
265	245	31.74	31737	8.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-10	0.00E+00	2.20E-05	3.17E+04	1.98E-04
266	246	40.21	40205	1.75E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-06	0.00E+00	2.19E-06	4.02E+04	1.02E-02
267	247	27.58	27576	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-06	2.76E+04	1.08E-04
268	248	43.96	43959	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00	7.52E-09	0.00E+00	1.58E-07	0.00E+00	1.41E-05	4.40E+04	1.23E-04
269	249	46.43	46429	1.06E-02	0.00E+00	2.41E-23	0.00E+00	0.00E+00	1.03E-02	0.00E+00	0.00E+00	0.00E+00	8.96E-23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	0.00E+00	0.00E+00	3.73E-06	0.00E+00	4.66E-05	0.00E+00	1.96E-06	4.73E+04	6.15E-03
270	250	25.99	25987	9.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	2.60E+04	2.24E-04

Base Case + Low Solubility + High Tc Rd (tuff, alluvium) Sorted 1 of 3

3/3/00

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Min		10.98	10982.00	3.570E-06	3.570E-03	0.000E+00	0.000E+00	1.098E+04	8.061E-07										
2	Max		50.00	50000.00	1.788E-01	1.788E+02	0.000E+00	0.000E+00	5.000E+04	1.054E-01										
3	Mean		33.93	33932.74	3.843E-03	3.843E+00	0.000E+00	0.000E+00	3.409E+04	2.039E-03										
4	Median		32.79	32786.00	6.973E-04	6.973E-01	0.000E+00	0.000E+00	3.279E+04	1.603E-04										
5	s.d.		9.37	9368.00	1.420E-02	1.420E+01	0.000E+00	0.000E+00	9.365E+03	8.410E-03										
6							Sorted by									Sorted by				
7	probability	vector	pktime	pktime	pktede	pktede	Tc99de	Tc99de	timedwpk	drnkh20		vector	pktime	pktime	pktede	pktede	Tc99de	Tc99de	timedwpk	drnkh20
8	n/250	unitless	yr/1000	yr	rem/yr	mrem/yr	mrem/yr	rem/yr	yr	rem/yr		unitless	yr/1000	yr	rem/yr	mrem/yr	mrem/yr	rem/yr	yr	rem/yr
9	1.0000	1	40.92	40922	6.94E-04	6.94E-01	0.00E+00	0.00E+00	4.09E+04	1.58E-04		155	15.95	15948	3.57E-06	3.57E-03	0.00E+00	0.00E+00	1.59E+04	8.06E-07
10	0.9960	2	14.09	14088	1.38E-05	1.38E-02	0.00E+00	0.00E+00	1.41E+04	3.13E-06		2	14.09	14088	1.38E-05	1.38E-02	0.00E+00	0.00E+00	1.41E+04	3.13E-06
11	0.9920	3	24.54	24539	1.53E-03	1.53E+00	0.00E+00	0.00E+00	2.45E+04	3.41E-04		10	10.98	10982	3.16E-05	3.16E-02	0.00E+00	0.00E+00	1.10E+04	7.59E-06
12	0.9880	4	20.92	20918	5.44E-04	5.44E-01	0.00E+00	0.00E+00	2.09E+04	1.21E-04		65	50.00	50000	5.62E-05	5.62E-02	0.00E+00	0.00E+00	5.00E+04	1.27E-05
13	0.9840	5	24.20	24197	1.39E-03	1.39E+00	0.00E+00	0.00E+00	2.42E+04	3.10E-04		91	36.24	36238	8.15E-05	8.15E-02	0.00E+00	0.00E+00	3.62E+04	2.01E-05
14	0.9800	6	50.00	50000	1.69E-02	1.69E+01	0.00E+00	0.00E+00	5.00E+04	9.98E-03		114	50.00	50000	1.21E-04	1.21E-01	0.00E+00	0.00E+00	5.00E+04	2.89E-05
15	0.9760	7	50.00	50000	1.14E-02	1.14E+01	0.00E+00	0.00E+00	5.00E+04	6.70E-03		121	47.29	47291	1.22E-04	1.22E-01	0.00E+00	0.00E+00	4.73E+04	2.76E-05
16	0.9720	8	37.50	37500	4.30E-04	4.30E-01	0.00E+00	0.00E+00	3.75E+04	9.74E-05		187	26.76	26763	1.29E-04	1.29E-01	0.00E+00	0.00E+00	2.68E+04	2.90E-05
17	0.9680	9	32.26	32255	4.21E-04	4.21E-01	0.00E+00	0.00E+00	3.23E+04	9.56E-05		150	47.29	47291	1.86E-04	1.86E-01	0.00E+00	0.00E+00	4.73E+04	4.22E-05
18	0.9640	10	10.98	10982	3.16E-05	3.16E-02	0.00E+00	0.00E+00	1.10E+04	7.59E-06		166	44.76	44763	2.13E-04	2.13E-01	0.00E+00	0.00E+00	4.48E+04	4.80E-05
19	0.9600	11	32.79	32786	2.97E-04	2.97E-01	0.00E+00	0.00E+00	3.28E+04	7.29E-05		238	34.45	34452	2.17E-04	2.17E-01	0.00E+00	0.00E+00	3.45E+04	4.92E-05
20	0.9560	12	24.20	24197	9.53E-04	9.53E-01	0.00E+00	0.00E+00	2.42E+04	2.16E-04		194	30.74	30736	2.28E-04	2.28E-01	0.00E+00	0.00E+00	3.07E+04	5.14E-05
21	0.9520	13	50.00	50000	2.22E-02	2.22E+01	0.00E+00	0.00E+00	5.00E+04	1.31E-02		99	25.99	25987	2.31E-04	2.31E-01	0.00E+00	0.00E+00	2.60E+04	5.17E-05
22	0.9480	14	42.41	42405	3.06E-04	3.06E-01	0.00E+00	0.00E+00	4.24E+04	6.95E-05		56	42.41	42405	2.33E-04	2.33E-01	0.00E+00	0.00E+00	4.24E+04	5.27E-05
23	0.9440	15	27.58	27576	3.77E-04	3.77E-01	0.00E+00	0.00E+00	2.76E+04	8.53E-05		25	30.74	30736	2.52E-04	2.52E-01	0.00E+00	0.00E+00	3.07E+04	6.29E-05
24	0.9400	16	40.92	40922	5.71E-04	5.71E-01	0.00E+00	0.00E+00	4.09E+04	1.29E-04		161	24.20	24197	2.60E-04	2.60E-01	0.00E+00	0.00E+00	2.42E+04	5.79E-05
25	0.9360	17	36.24	36238	4.74E-04	4.74E-01	0.00E+00	0.00E+00	3.62E+04	1.08E-04		94	38.82	38821	2.83E-04	2.83E-01	0.00E+00	0.00E+00	3.88E+04	6.37E-05
26	0.9320	18	24.20	24197	9.79E-04	9.79E-01	0.00E+00	0.00E+00	2.42E+04	2.21E-04		202	40.92	40922	2.87E-04	2.87E-01	0.00E+00	0.00E+00	4.09E+04	6.51E-05
27	0.9280	19	17.06	17064	6.58E-04	6.58E-01	0.00E+00	0.00E+00	1.71E+04	1.47E-04		43	33.88	33884	2.87E-04	2.87E-01	0.00E+00	0.00E+00	3.39E+04	6.52E-05
28	0.9240	20	34.45	34452	5.16E-04	5.16E-01	0.00E+00	0.00E+00	3.45E+04	1.16E-04		210	25.61	25612	2.91E-04	2.91E-01	0.00E+00	0.00E+00	2.56E+04	6.55E-05
29	0.9200	21	44.76	44763	1.14E-03	1.14E+00	0.00E+00	0.00E+00	4.48E+04	2.61E-04		102	22.60	22603	2.92E-04	2.92E-01	0.00E+00	0.00E+00	2.26E+04	6.55E-05
30	0.9160	22	17.60	17600	4.21E-04	4.21E-01	0.00E+00	0.00E+00	2.42E+04	9.51E-05		11	32.79	32786	2.97E-04	2.97E-01	0.00E+00	0.00E+00	3.28E+04	7.29E-05
31	0.9120	23	47.29	47291	5.08E-02	5.08E+01	0.00E+00	0.00E+00	4.73E+04	2.99E-02		124	28.87	28868	2.99E-04	2.99E-01	0.00E+00	0.00E+00	2.89E+04	6.79E-05
32	0.9080	24	45.59	45586	8.89E-04	8.89E-01	0.00E+00	0.00E+00	4.56E+04	2.02E-04		14	42.41	42405	3.06E-04	3.06E-01	0.00E+00	0.00E+00	4.24E+04	6.95E-05
33	0.9040	25	30.74	30736	2.52E-04	2.52E-01	0.00E+00	0.00E+00	3.07E+04	6.29E-05		26	29.32	29319	3.14E-04	3.14E-01	0.00E+00	0.00E+00	2.93E+04	7.10E-05
34	0.9000	26	29.32	29319	3.14E-04	3.14E-01	0.00E+00	0.00E+00	2.93E+04	7.10E-05		52	20.92	20918	3.27E-04	3.27E-01	0.00E+00	0.00E+00	2.09E+04	7.28E-05
35	0.8960	27	50.00	50000	2.10E-03	2.10E+00	0.00E+00	0.00E+00	5.00E+04	1.19E-03		223	33.88	33884	3.29E-04	3.29E-01	0.00E+00	0.00E+00	3.39E+04	7.47E-05
36	0.8920	28	21.45	21454	4.89E-04	4.89E-01	0.00E+00	0.00E+00	2.15E+04	1.11E-04		184	32.26	32255	3.32E-04	3.32E-01	0.00E+00	0.00E+00	3.23E+04	7.52E-05
37	0.8880	29	37.50	37500	4.46E-04	4.46E-01	0.00E+00	0.00E+00	3.75E+04	1.00E-04		105	43.96	43959	3.35E-04	3.35E-01	0.00E+00	0.00E+00	4.40E+04	7.54E-05
38	0.8840	30	25.99	25987	6.31E-04	6.31E-01	0.00E+00	0.00E+00	2.60E+04	1.41E-04		107	32.79	32786	3.37E-04	3.37E-01	0.00E+00	0.00E+00	3.28E+04	8.07E-05
39	0.8800	31	24.20	24197	5.45E-04	5.45E-01	0.00E+00	0.00E+00	2.42E+04	1.23E-04		209	50.00	50000	3.38E-04	3.38E-01	0.00E+00	0.00E+00	5.00E+04	7.70E-05
40	0.8760	32	22.60	22603	9.14E-04	9.14E-01	0.00E+00	0.00E+00	2.26E+04	2.05E-04		63	47.29	47291	3.40E-04	3.40E-01	0.00E+00	0.00E+00	4.73E+04	7.65E-05
41	0.8720	33	45.59	45586	4.11E-04	4.11E-01	0.00E+00	0.00E+00	4.56E+04	9.35E-05		86	44.76	44763	3.41E-04	3.41E-01	0.00E+00	0.00E+00	4.48E+04	7.73E-05
42	0.8680	34	24.20	24197	6.78E-04	6.78E-01	0.00E+00	0.00E+00	2.42E+04	1.52E-04		190	22.60	22603	3.42E-04	3.42E-01	0.00E+00	0.00E+00	2.26E+04	7.72E-05
43	0.8640	35	24.20	24197	7.54E-04	7.54E-01	0.00E+00	0.00E+00	2.42E+04	1.73E-04		80	38.82	38821	3.43E-04	3.43E-01	0.00E+00	0.00E+00	3.95E+04	7.78E-05
44	0.8600	36	50.00	50000	3.05E-02	3.05E+01	0.00E+00	0.00E+00	5.00E+04	1.80E-02		47	39.51	39505	3.51E-04	3.51E-01	0.00E+00	0.00E+00	3.95E+04	7.97E-05
45	0.8560	37	34.45	34452	4.26E-04	4.26E-01	0.00E+00	0.00E+00	3.45E+04	9.67E-05		151	39.51	39505	3.59E-04	3.59E-01	0.00E+00	0.00E+00	3.95E+04	8.14E-05
46	0.8520	38	29.32	29319	6.17E-04	6.17E-01	0.00E+00	0.00E+00	2.93E+04	1.54E-04		66	27.58	27576	3.62E-04	3.62E-01	0.00E+00	0.00E+00	2.76E+04	8.98E-05
47	0.8480	39	29.32	29319	1.02E-03	1.02E+00	0.00E+00	0.00E+00	2.93E+04	2.32E-04		15	27.58	27576	3.77E-04	3.77E-01	0.00E+00	0.00E+00	2.76E+04	8.53E-05
48	0.8440	40	37.50	37500	2.14E-03	2.14E+00	0.00E+00	0.00E+00	3.75E+04	4.79E-04		128	22.60	22603	3.85E-04	3.85E-01	0.00E+00	0.00E+00	2.39E+04	9.39E-05
49	0.8400	41	50.00	50000	9.97E-03	9.97E+00	0.00E+00	0.00E+00	5.00E+04	5.85E-03		136	43.96	43959	3.92E-04	3.92E-01	0.00E+00	0.00E+00	4.40E+04	8.79E-05
50	0.8360	42	42.41	42405	1.14E-03	1.14E+00	0.00E+00	0.00E+00	4.24E+04	2.80E-04		178	29.32	29319	3.94E-04	3.94E-01	0.00E+00	0.00E+00	5.00E+04	9.63E-05
51	0.8320	43	33.88	33884	2.87E-04	2.87E-01	0.00E+00	0.00E+00	3.39E+04	6.52E-05		72	30.74	30736	4.05E-04	4.05E-01	0.00E+00	0.00E+00	3.07E+04	9.08E-05
52	0.8280	44	27.58	27576	7.43E-04	7.43E-01	0.00E+00	0.00E+00	2.76E+04	1.80E-04		33	45.59	45586	4.11E-04	4.11E-01	0.00E+00	0.00E+00	4.56E+04	9.35E-05
53	0.8240	45	37.50	37500	5.38E-04	5.38E-01	0.00E+00	0.00E+00	3.75E+04	1.25E-04		225	32.79	32786	4.12E-04	4.12E-01	0.00E+00	0.00E+00	3.28E+04	9.25E-05
54	0.8200	46	50.00	50000	8.99E-04	8.99E-01	0.00E+00	0.00E+00	5.00E+04	4.33E-04		97	40.92	40922	4.13E-04	4.13E-01	0.00E+00	0.00E+00	4.09E+04	9.37E-05
55	0.8160	47	39.51	39505	3.51E-04	3.51E-01	0.00E+00	0.00E+00	3.95E+04	7.97E-05		189	32.26	32255	4.15E-04	4.15E-01	0.00E+00	0.00E+00	3.28E+04	9.96E-05
56	0.8120	48	45.59	45586	6.29E-04	6.29E-01	0.00E+00	0.00E+00	4.56E+04	1.46E-04		220	31.23	31231	4.16E-04	4.16E-01	0.00E+00	0.00E+00	3.23E+04	9.42E-05
57	0.8080	49	36.24	36238	9.05E-04	9.05E-01	0.00E+00	0.00E+00	3.62E+04	2.04E-04		138	40.92	40922	4.20E-04	4.20E-01	0.00E+00	0.00E+00	4.09E+04	9.55E-05
58	0.8040	50	39.51	39505	6.89E-04	6.89E-01	0.00E+00	0.00E+00	3.95E+04	1.57E-04		9	32.26	32255	4.21E-04	4.21E-01	0.00E+00	0.00E+00	3.23E+04	9.56E-05
59	0.8000	51	24.20	24197	1.02E-03	1.02E+00	0.00E+00	0.00E+00	2.42E+04	2.30E-04		22	17.60	17600	4.21E-04	4.21E-01	0.00E+00	0.00E+00	2.42E+04	9.51E-05
60	0.7960	52	20.92	20918	3.27E-04	3.27E-01	0.00E+00	0.00E+00	2.09E+04	7.28E-05		212	47.29	47291	4.26E-04	4.26E-01	0.00E+00	0.00E+00	4.73E+04	1.04E-04
61	0.7920	53	25.99	25987	9.87E-04	9.87E-01	0.00E+00	0.00E+00	2.60E+04	2.28E-04		37	34.45	34452	4.26E-04	4.26E-01	0.00E+00	0.00E+00	3.45E+04	9.67E-05
62	0.7880	54	38.82	38821	1.02E-03	1.02E+00	0.00E+00	0.00E+00	3.88E+04	2.39E-04		8	37.50	37500	4.30E-04	4.30E-01	0.00E+00	0.00E+00	3.75E+04	9.74E-05
63	0.7840	55	30.74	30736	1.07E-03	1.07E+00	0.00E+00	0.00E+00	3.07E+04	2.44E-04		62	40.92	40922	4.32E-04	4.32E-01	0.00E+00	0.00E+00	4.09E+04	9.76E-05
64	0.7800	56	42.41	42405	2.33E-04	2.33E-01	0.00E+00	0.00E+00	4.24E+04	5.27E-05		141	34.45	34452	4.37E-04	4.37E-01	0.00E+00	0.00E+00	3.45E+04	9.77E-05
65	0.7760	57	42.41	42405	1.30E-02	1.30E+01	0.00E+00	0.00E+00	4.24E+04	7.63E-03		239	33.33	33328	4.43E-04	4.43E-01	0.00E+00	0.00E+00	3.33E+04	9.94E-05
66	0.7720	58	45.59	45586	4.99E-04	4.99E-01	0.00E+00	0.00E+00	4.56E+04	1.13E-04		29	37.50	37500	4.46E-04	4.46E-01	0.00E+00	0.00E+00	3.75E+04	1.00E-04
67	0.7680	59	29.32	29319	5.78E-04	5.78E-01	0.00E+00	0.00E+00	2.93E+04	1.31E-04		115	42.41	42405	4.48E-04	4.48E-01	0.00E+00	0.00E+00	4.24E+04	1.83E-04
68	0.7640	60	44.76	44763	6.46E-04	6.46E-01	0.00E+00	0.00E+00	4.48E+04	1.47E-04		193	44.76	44763	4.70E-04	4.70E-01	0.00E+00	0.00E+00	4.40E+04	1.11E-04
69	0.7600	61	42.41	42405	5.21E-04	5.21E-01	0.00E+00	0.00E+00	4.24E+04	1.18E-04		227	25.99	25987	4.72E-04	4.72E-01	0.00E+00	0.00E+00	2.60E+04	1.06E-04
70	0.7560	62	40.92	40922	4.32E-04	4.32E-01	0.00E+00	0.00E+00	4.09E+04	9.76E-05		154	25.61	25612	4.73E-04	4.73E-01	0.00E+00	0.00E+00	2.56E+04	1.07E-04
71	0.7520	63	47.29	47291	3.40E-04	3.40E-01	0.00E+00	0.00E+00	4.73E+04	7.65E-05		247	27.58	27576	4.73E-04	4.73E-01	0.00E+00	0.00E+00	2.76E+04	1.08E-04
72	0.7480	64	35.63	35629	6.65E-04	6.65E-01	0.00E+00	0.00E+00	3.56E+04	1.51E-04		17	36.24	36238	4.74E-04	4.74E-01	0.00E+00	0.00E+00	3.62E+04	1.08E-04
73	0.7440	65	50.00	50000	5.62E-05	5.62E-02	0.00E+00	0.00E+00	5.00E+04	1.27E-05		140	32.79	32786	4.77E-04	4.77E-01	0.00E+00	0.00E+00	3.28E+04	1.09E-04
74	0.7400	66	27.58	27576	3.62E-04	3.62E-01	0.00E+00	0.00E+00	2.76E+04	8.98E-05		241	40.21	40205	4.78E-04	4.78E-01	0.00E+00	0.00E+00	5.00E+04	1.55E-04
75	0.7360	67	22.60	22603	5.53E-04	5.53E-01	0.00E+00	0.00E+00	2.26E+04	1.24E-04		153	40.92	40922	4.79E-04	4.79E-01	0.00E+00	0.00E+00	4.09E+04	1.09E-04
76	0.7320	68	20.92	20918	9.99E-04	9.99E-01	0.00E+00	0.00E+00	2.09E+04	2.49E-04		73	30.74	30736	4.87E-04	4.87E-01	0.00E+00	0.00E+00	3.07E+04	1.11E-04
77	0.7280	69	38.82	38821	6.81E-04	6.81E-01	0.00E+00	0.00E+00	3.88E+04	1.55E-04		95	27.58	27576	4.89E-04	4.89E-01	0.00E+00	0.00E+00	2.76E+04	1.11E-04
78	0.7240	70	40.21	40205	4.72E-02	4.72E+01	0.00E+00	0.00E+00	4.02E+04	2.79E-02		28	21.45	21454	4.89E-04	4.89E-01	0.00E+00	0.00E+00	2.15E+04	1.11E-04
79	0.7200	71	22.60	22603	6.19E-04	6.19E-01	0.00E+00	0.00E+00	2.26E+04	1.39E-04		157	25.99	25987	4.98E-04	4.98E-01	0.00E+00	0.00E+00	2.60E+04	1.12E-04
80	0.7160	72	30.74	30736	4.05E-04	4.05E-01	0.00E+00	0.00E+00	3.07E+04	9.08E-05		58	45.59	45586	4.99E-04	4.99E-01	0.00E+00	0.00E+00	4.56E+04	1.13E-04
81	0.7120	73	30.74	30736	4.87E-04	4.87E-01	0.00E+00	0.00E+00	3.07E+04	1.11E-04		93	43.96	43959	5.01E-04	5.01E-01	0.00E+00	0.00E+00	4.40E+04	1.12E-04
82	0.7080	74	50.00	50000	1.29E-03	1.29E+00	0.00E+00	0.00E+00	3.75E+04	3.18E-04		192	32.79	32786	5.02E-04	5.02E-01	0.00E+00	0.00E+00	3.28E+04	1.14E-04
83	0.7040	75	37.50	37500	7.29E-04	7.29E-01	0.00E+00	0.00E+00	3.75E+04	1.66E-04		175	40.92	40922	5.02E-04	5.02E-01	0.00E+00	0.00E+00	4.09E+04	1.14E-04
84	0.7000	76	38.82	38821	8.00E-04	8.00E-01	0.00E+00	0.00E+00	3.88E+04	1.82E-04		135	27.58	27576	5.11E-04	5.11E-01	0.00E+00	0.00E+00	2.76E+04	1.22E-04
85	0.6960	77	22.60	22603	1.34E-03	1.34E+00	0.00E+00	0.00E+00	2.26E+04	3.31E-04		181	27.58	27576	5.15E-04	5.15E-01	0.00E+00	0.00E+00	2.76E+04	1.20E-04
86	0.6920	78	30.74	30736	8.71E-04	8.71E-01	0.00E+00	0.00E+00	3.07E+04	1.97E-04		20	34.45	34452	5.16E-04	5.16E-01	0.00E+00	0.00E+00	3.45E+04	1.16E-04
87	0.6880	79	43.96	43959	2.78E-02	2.78E+01	0.00E+00	0.00E+00	4.40E+04	1.63E-02		145	48.17	48173	5.19E-04	5.19E-01	0.00E+00	0.00E+00	4.82E+04	1.18E-04

3/3/00
DRD

Base Case + Low Solubility + High Tc Rd

2 of 3

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
88	0.6840	80	38.82	38821	3.43E-04	3.43E-01	0.00E+00	0.00E+00	3.95E+04	7.78E-05		113	37.50	37500	5.20E-04	5.20E-01	0.00E+00	0.00E+00	3.75E+04	1.17E-04
89	0.6800	81	36.24	36238	8.61E-04	8.61E-01	0.00E+00	0.00E+00	3.75E+04	1.95E-04		61	42.41	42405	5.21E-04	5.21E-01	0.00E+00	0.00E+00	4.24E+04	1.18E-04
90	0.6760	82	22.60	22603	1.28E-03	1.28E+00	0.00E+00	0.00E+00	2.26E+04	2.87E-04		111	24.20	24197	5.35E-04	5.35E-01	0.00E+00	0.00E+00	2.42E+04	1.20E-04
91	0.6720	83	22.60	22603	9.12E-04	9.12E-01	0.00E+00	0.00E+00	2.26E+04	2.26E-04		45	37.50	37500	5.38E-04	5.38E-01	0.00E+00	0.00E+00	3.75E+04	1.25E-04
92	0.6680	84	36.24	36238	6.93E-04	6.93E-01	0.00E+00	0.00E+00	3.75E+04	1.60E-04		4	20.92	20918	5.44E-04	5.44E-01	0.00E+00	0.00E+00	2.09E+04	1.21E-04
93	0.6640	85	29.32	29319	8.26E-04	8.26E-01	0.00E+00	0.00E+00	2.93E+04	1.88E-04		31	24.20	24197	5.45E-04	5.45E-01	0.00E+00	0.00E+00	2.42E+04	1.23E-04
94	0.6600	86	44.76	44763	3.41E-04	3.41E-01	0.00E+00	0.00E+00	4.48E+04	7.73E-05		149	32.79	32786	5.46E-04	5.46E-01	0.00E+00	0.00E+00	3.28E+04	1.27E-04
95	0.6560	87	31.23	31231	7.06E-04	7.06E-01	0.00E+00	0.00E+00	3.12E+04	1.60E-04		204	25.99	25987	5.50E-04	5.50E-01	0.00E+00	0.00E+00	2.60E+04	1.26E-04
96	0.6520	88	25.99	25987	7.48E-04	7.48E-01	0.00E+00	0.00E+00	2.60E+04	1.70E-04		248	43.96	43959	5.50E-04	5.50E-01	0.00E+00	0.00E+00	4.40E+04	1.23E-04
97	0.6480	89	37.50	37500	1.38E-03	1.38E+00	0.00E+00	0.00E+00	3.75E+04	3.08E-04		67	22.60	22603	5.53E-04	5.53E-01	0.00E+00	0.00E+00	2.26E+04	1.24E-04
98	0.6440	90	38.82	38821	7.47E-04	7.47E-01	0.00E+00	0.00E+00	3.88E+04	1.85E-04		199	24.20	24197	5.55E-04	5.55E-01	0.00E+00	0.00E+00	2.42E+04	1.25E-04
99	0.6400	91	36.24	36238	8.15E-05	8.15E-02	0.00E+00	0.00E+00	3.62E+04	2.01E-05		231	37.50	37500	5.59E-04	5.59E-01	0.00E+00	0.00E+00	3.75E+04	1.33E-04
100	0.6360	92	36.24	36238	6.08E-04	6.08E-01	0.00E+00	0.00E+00	3.62E+04	1.36E-04		198	24.20	24197	5.63E-04	5.63E-01	0.00E+00	0.00E+00	2.42E+04	1.27E-04
101	0.6320	93	43.96	43959	5.01E-04	5.01E-01	0.00E+00	0.00E+00	4.40E+04	1.12E-04		108	22.91	22907	5.67E-04	5.67E-01	0.00E+00	0.00E+00	2.29E+04	1.27E-04
102	0.6280	94	38.82	38821	2.83E-04	2.83E-01	0.00E+00	0.00E+00	3.88E+04	6.37E-05		167	43.96	43959	5.68E-04	5.68E-01	0.00E+00	0.00E+00	4.40E+04	1.28E-04
103	0.6240	95	27.58	27576	4.89E-04	4.89E-01	0.00E+00	0.00E+00	2.76E+04	1.11E-04		16	40.92	40922	5.71E-04	5.71E-01	0.00E+00	0.00E+00	4.09E+04	1.29E-04
104	0.6200	96	39.51	39505	6.74E-04	6.74E-01	0.00E+00	0.00E+00	3.95E+04	1.53E-04		59	29.32	29319	5.78E-04	5.78E-01	0.00E+00	0.00E+00	2.93E+04	1.31E-04
105	0.6160	97	40.92	40922	4.13E-04	4.13E-01	0.00E+00	0.00E+00	4.09E+04	9.37E-05		216	36.24	36238	5.83E-04	5.83E-01	0.00E+00	0.00E+00	3.62E+04	1.36E-04
106	0.6120	98	40.92	40922	6.85E-04	6.85E-01	0.00E+00	0.00E+00	4.09E+04	1.61E-04		127	32.26	32255	6.03E-04	6.03E-01	0.00E+00	0.00E+00	3.23E+04	1.37E-04
107	0.6080	99	25.99	25987	2.31E-04	2.31E-01	0.00E+00	0.00E+00	2.60E+04	5.17E-05		207	25.99	25987	6.07E-04	6.07E-01	0.00E+00	0.00E+00	2.60E+04	1.40E-04
108	0.6040	100	50.00	50000	4.50E-02	4.50E+01	0.00E+00	0.00E+00	5.00E+04	2.66E-02		92	36.24	36238	6.08E-04	6.08E-01	0.00E+00	0.00E+00	3.62E+04	1.36E-04
109	0.6000	101	43.96	43959	9.55E-04	9.55E-01	0.00E+00	0.00E+00	4.40E+04	2.17E-04		38	29.32	29319	6.17E-04	6.17E-01	0.00E+00	0.00E+00	2.93E+04	1.54E-04
110	0.5960	102	22.60	22603	2.92E-04	2.92E-01	0.00E+00	0.00E+00	2.26E+04	6.55E-05		195	23.54	23537	6.18E-04	6.18E-01	0.00E+00	0.00E+00	2.35E+04	1.38E-04
111	0.5920	103	28.87	28868	1.72E-03	1.72E+00	0.00E+00	0.00E+00	2.89E+04	4.03E-04		104	27.58	27576	6.18E-04	6.18E-01	0.00E+00	0.00E+00	2.76E+04	1.39E-04
112	0.5880	104	27.58	27576	6.18E-04	6.18E-01	0.00E+00	0.00E+00	2.76E+04	1.39E-04		71	22.60	22603	6.19E-04	6.19E-01	0.00E+00	0.00E+00	2.26E+04	1.39E-04
113	0.5840	105	43.96	43959	3.35E-04	3.35E-01	0.00E+00	0.00E+00	4.40E+04	7.54E-05		197	30.74	30736	6.19E-04	6.19E-01	0.00E+00	0.00E+00	3.07E+04	1.41E-04
114	0.5800	106	28.87	28868	7.00E-04	7.00E-01	0.00E+00	0.00E+00	2.89E+04	1.57E-04		229	37.50	37500	6.24E-04	6.24E-01	0.00E+00	0.00E+00	3.75E+04	1.59E-04
115	0.5760	107	32.79	32786	3.37E-04	3.37E-01	0.00E+00	0.00E+00	3.28E+04	8.07E-05		48	45.59	45586	6.29E-04	6.29E-01	0.00E+00	0.00E+00	4.56E+04	1.46E-04
116	0.5720	108	22.91	22907	5.67E-04	5.67E-01	0.00E+00	0.00E+00	2.29E+04	1.27E-04		30	25.99	25987	6.31E-04	6.31E-01	0.00E+00	0.00E+00	2.60E+04	1.41E-04
117	0.5680	109	50.00	50000	1.06E-03	1.06E+00	0.00E+00	0.00E+00	5.00E+04	6.09E-04		170	24.20	24197	6.33E-04	6.33E-01	0.00E+00	0.00E+00	2.42E+04	1.44E-04
118	0.5640	110	27.58	27576	1.27E-03	1.27E+00	0.00E+00	0.00E+00	2.76E+04	2.99E-04		142	33.88	33884	6.40E-04	6.40E-01	0.00E+00	0.00E+00	3.39E+04	1.45E-04
119	0.5600	111	24.20	24197	5.35E-04	5.35E-01	0.00E+00	0.00E+00	2.42E+04	1.20E-04		172	27.58	27576	6.41E-04	6.41E-01	0.00E+00	0.00E+00	2.76E+04	1.46E-04
120	0.5560	112	39.51	39505	7.62E-04	7.62E-01	0.00E+00	0.00E+00	3.95E+04	1.73E-04		219	24.20	24197	6.43E-04	6.43E-01	0.00E+00	0.00E+00	2.42E+04	1.45E-04
121	0.5520	113	37.50	37500	5.20E-04	5.20E-01	0.00E+00	0.00E+00	3.75E+04	1.17E-04		60	44.76	44763	6.46E-04	6.46E-01	0.00E+00	0.00E+00	4.48E+04	1.47E-04
122	0.5480	114	50.00	50000	1.21E-04	1.21E-01	0.00E+00	0.00E+00	5.00E+04	2.89E-05		19	17.06	17064	6.58E-04	6.58E-01	0.00E+00	0.00E+00	1.71E+04	1.47E-04
123	0.5440	115	42.41	42405	4.48E-04	4.48E-01	0.00E+00	0.00E+00	4.24E+04	1.83E-04		64	35.63	35629	6.65E-04	6.65E-01	0.00E+00	0.00E+00	3.56E+04	1.51E-04
124	0.5400	116	20.92	20918	7.00E-04	7.00E-01	0.00E+00	0.00E+00	2.09E+04	1.57E-04		222	32.79	32786	6.66E-04	6.66E-01	0.00E+00	0.00E+00	3.28E+04	1.49E-04
125	0.5360	117	27.58	27576	1.00E-03	1.00E+00	0.00E+00	0.00E+00	2.76E+04	2.28E-04		96	39.51	39505	6.74E-04	6.74E-01	0.00E+00	0.00E+00	3.95E+04	1.53E-04
126	0.5320	118	27.58	27576	1.12E-03	1.12E+00	0.00E+00	0.00E+00	2.76E+04	2.54E-04		34	24.20	24197	6.78E-04	6.78E-01	0.00E+00	0.00E+00	2.42E+04	1.52E-04
127	0.5280	119	29.32	29319	1.19E-03	1.19E+00	0.00E+00	0.00E+00	2.93E+04	2.70E-04		69	38.82	38821	6.81E-04	6.81E-01	0.00E+00	0.00E+00	3.88E+04	1.55E-04
128	0.5240	120	50.00	50000	1.79E-01	1.79E+02	0.00E+00	0.00E+00	5.00E+04	1.05E-01		168	20.92	20918	6.83E-04	6.83E-01	0.00E+00	0.00E+00	2.09E+04	1.55E-04
129	0.5200	121	47.29	47291	1.22E-04	1.22E-01	0.00E+00	0.00E+00	4.73E+04	2.76E-05		98	40.92	40922	6.85E-04	6.85E-01	0.00E+00	0.00E+00	4.09E+04	1.61E-04
130	0.5160	122	45.59	45586	7.20E-04	7.20E-01	0.00E+00	0.00E+00	4.56E+04	1.62E-04		234	37.50	37500	6.86E-04	6.86E-01	0.00E+00	0.00E+00	3.75E+04	1.70E-04
131	0.5120	123	34.45	34452	8.65E-04	8.65E-01	0.00E+00	0.00E+00	3.45E+04	1.97E-04		50	39.51	39505	6.89E-04	6.89E-01	0.00E+00	0.00E+00	3.95E+04	1.57E-04
132	0.5080	124	28.87	28868	2.99E-04	2.99E-01	0.00E+00	0.00E+00	2.89E+04	6.79E-05		84	36.24	36238	6.93E-04	6.93E-01	0.00E+00	0.00E+00	3.75E+04	1.60E-04
133	0.5040	125	27.58	27576	9.09E-04	9.09E-01	0.00E+00	0.00E+00	2.76E+04	2.05E-04		1	40.92	40922	6.94E-04	6.94E-01	0.00E+00	0.00E+00	4.09E+04	1.58E-04
134	0.5000	126	47.29	47291	8.71E-04	8.71E-01	0.00E+00	0.00E+00	4.73E+04	1.98E-04		116	20.92	20918	7.00E-04	7.00E-01	0.00E+00	0.00E+00	2.09E+04	1.57E-04
135	0.4960	127	32.26	32255	6.03E-04	6.03E-01	0.00E+00	0.00E+00	3.23E+04	1.37E-04		106	28.87	28868	7.00E-04	7.00E-01	0.00E+00	0.00E+00	2.89E+04	1.57E-04
136	0.4920	128	22.60	22603	3.85E-04	3.85E-01	0.00E+00	0.00E+00	2.39E+04	9.39E-05		87	31.23	31231	7.06E-04	7.06E-01	0.00E+00	0.00E+00	3.12E+04	1.60E-04
137	0.4880	129	33.88	33884	1.57E-03	1.57E+00	0.00E+00	0.00E+00	3.39E+04	3.57E-04		171	29.32	29319	7.12E-04	7.12E-01	0.00E+00	0.00E+00	2.93E+04	1.59E-04
138	0.4840	130	45.59	45586	7.18E-04	7.18E-01	0.00E+00	0.00E+00	4.56E+04	1.81E-04		236	47.29	47291	7.15E-04	7.15E-01	0.00E+00	0.00E+00	4.73E+04	3.94E-04
139	0.4800	131	22.60	22603	8.01E-04	8.01E-01	0.00E+00	0.00E+00	2.26E+04	1.81E-04		130	45.59	45586	7.18E-04	7.18E-01	0.00E+00	0.00E+00	4.56E+04	1.81E-04
140	0.4760	132	50.00	50000	3.22E-02	3.22E+01	0.00E+00	0.00E+00	5.00E+04	1.90E-02		122	45.59	45586	7.20E-04	7.20E-01	0.00E+00	0.00E+00	4.56E+04	1.62E-04
141	0.4720	133	24.20	24197	9.06E-04	9.06E-01	0.00E+00	0.00E+00	2.42E+04	2.04E-04		218	23.22	23219	7.21E-04	7.21E-01	0.00E+00	0.00E+00	2.32E+04	1.64E-04
142	0.4680	134	27.58	27576	1.16E-03	1.16E+00	0.00E+00	0.00E+00	2.76E+04	2.63E-04		75	37.50	37500	7.29E-04	7.29E-01	0.00E+00	0.00E+00	3.75E+04	1.66E-04
143	0.4640	135	27.58	27576	5.11E-04	5.11E-01	0.00E+00	0.00E+00	2.76E+04	1.22E-04		230	29.32	29319	7.33E-04	7.33E-01	0.00E+00	0.00E+00	2.93E+04	1.67E-04
144	0.4600	136	43.96	43959	3.92E-04	3.92E-01	0.00E+00	0.00E+00	4.40E+04	8.79E-05		215	22.60	22603	7.33E-04	7.33E-01	0.00E+00	0.00E+00	2.26E+04	1.64E-04
145	0.4560	137	37.50	37500	1.05E-03	1.05E+00	0.00E+00	0.00E+00	3.75E+04	2.37E-04		180	24.20	24197	7.37E-04	7.37E-01	0.00E+00	0.00E+00	2.42E+04	1.68E-04
146	0.4520	138	40.92	40922	4.20E-04	4.20E-01	0.00E+00	0.00E+00	4.09E+04	9.55E-05		44	27.58	27576	7.43E-04	7.43E-01	0.00E+00	0.00E+00	2.76E+04	1.80E-04
147	0.4480	139	22.91	22907	8.47E-04	8.47E-01	0.00E+00	0.00E+00	2.29E+04	1.92E-04		90	38.82	38821	7.47E-04	7.47E-01	0.00E+00	0.00E+00	3.88E+04	1.85E-04
148	0.4440	140	32.79	32786	4.77E-04	4.77E-01	0.00E+00	0.00E+00	3.28E+04	1.09E-04		169	22.60	22603	7.47E-04	7.47E-01	0.00E+00	0.00E+00	2.26E+04	1.69E-04
149	0.4400	141	34.45	34452	4.37E-04	4.37E-01	0.00E+00	0.00E+00	3.45E+04	9.77E-05		88	25.99	25987	7.48E-04	7.48E-01	0.00E+00	0.00E+00	2.60E+04	1.70E-04
150	0.4360	142	33.88	33884	6.40E-04	6.40E-01	0.00E+00	0.00E+00	3.39E+04	1.45E-04		35	24.20	24197	7.54E-04	7.54E-01	0.00E+00	0.00E+00	2.42E+04	1.73E-04
151	0.4320	143	38.82	38821	1.23E-03	1.23E+00	0.00E+00	0.00E+00	3.88E+04	2.95E-04		159	43.96	43959	7.56E-04	7.56E-01	0.00E+00	0.00E+00	4.40E+04	1.87E-04
152	0.4280	144	34.45	34452	1.74E-03	1.74E+00	0.00E+00	0.00E+00	3.45E+04	3.89E-04		112	39.51	39505	7.62E-04	7.62E-01	0.00E+00	0.00E+00	3.95E+04	1.73E-04
153	0.4240	145	48.17	48173	5.19E-04	5.19E-01	0.00E+00	0.00E+00	4.82E+04	1.18E-04		203	22.60	22603	7.67E-04	7.67E-01	0.00E+00	0.00E+00	2.26E+04	1.74E-04
154	0.4200	146	27.58	27576	8.34E-04	8.34E-01	0.00E+00	0.00E+00	2.76E+04	2.03E-04		156	39.51	39505	7.91E-04	7.91E-01	0.00E+00	0.00E+00	3.95E+04	1.79E-04
155	0.4160	147	50.00	50000	1.86E-02	1.86E+01	0.00E+00	0.00E+00	5.00E+04	1.09E-02		76	38.82	38821	8.00E-04	8.00E-01	0.00E+00	0.00E+00	3.88E+04	1.82E-04
156	0.4120	148	45.59	45586	1.34E-03	1.34E+00	0.00E+00	0.00E+00	4.56E+04	3.04E-04		131	22.60	22603	8.01E-04	8.01E-01	0.00E+00	0.00E+00	2.26E+04	1.81E-04
157	0.4080	149	32.79	32786	5.46E-04	5.46E-01	0.00E+00	0.00E+00	3.28E+04	1.27E-04		185	27.58	27576	8.03E-04	8.03E-01	0.00E+00	0.00E+00	2.76E+04	1.82E-04
158	0.4040	150	47.29	47291	1.86E-04	1.86E-01	0.00E+00	0.00E+00	4.73E+04	4.22E-05		211	25.61	25612	8.14E-04	8.14E-01	0.00E+00	0.00E+00	2.56E+04	1.83E-04
159	0.4000	151	39.51	39505	3.59E-04	3.59E-01	0.00E+00	0.00E+00	3.95E+04	8.14E-05		85	29.32	29319	8.26E-04	8.26E-01	0.00E+00	0.00E+00	2.93E+04	1.88E-04
160	0.3960	152	22.60	22603	9.35E-04	9.35E-01	0.00E+00	0.00E+00	2.26E+04	2.36E-04		173	27.58	27576	8.27E-04	8.27E-01	0.00E+00	0.00E+00	3.75E+04	1.88E-04
161	0.3920	153	40.92	40922	4.79E-04	4.79E-01	0.00E+00	0.00E+00	4.09E+04	1.09E-04		232	32.26	32255	8.29E-04	8.29E-01	0.00E+00	0.00E+00	3.23E+04	1.95E-04
162	0.3880	154	25.61	25612	4.73E-04	4.73E-01	0.00E+00	0.00E+00	2.56E+04	1.07E-04		146	27.58	27576	8.34E-04	8.34E-01	0.00E+00	0.00E+00	2.76E+04	2.03E-04
163	0.3840	155	15.95	15948	3.57E-06	3.57E-03	0.00E+00	0.00E+00	1.59E+04	8.06E-07		244	22.60	22603	8.36E-04	8.36E-01	0.00E+00	0.00E+00	2.26E+04	1.87E-04
164	0.3800	156	39.51	39505	7.91E-04	7.91E-01	0.00E+00	0.00E+00	3.95E+04	1.79E-04		139	22.91	22907	8.47E-04	8.47E-01	0.00E+00	0.00E+00	2.29E+04	1.92E-04
165	0.3760	157	25.99	25987	4.98E-04	4.98E-01	0.00E+00	0.00E+00	2.60E+04	1.12E-04		240	25.99	25987	8.49E-04	8.49E-01	0.00E+00	0.00E+00	2.72E+04	1.90E-04
166	0.3720	158	19.45	19451	1.02E-03	1.02E+00	0.00E+00	0.00E+00	1.95E+04	2.26E-04		81	36.24	36238	8.61E-04	8.61E-01	0.00E+00	0.00E+00	3.75E+04	1.95E-04
167	0.3680	159	43.96	43959	7.56E-04	7.56E-01	0.00E+00	0.00E+00	4.40E+04	1.87E-04		200	22.60	22603	8.63E-04	8.63E-01	0.00E+00	0.00E+00	2.26E+04	2.15E-04
168	0.3640	160	32.26	32255	1.07E-03	1.07E+00	0.00E+00	0.00E+00	3.23E+04	2.53E-04		123	34.45	34452	8.65E-04	8.65E-01	0.00E+00	0.00E+00	3.45E+04	1.97E-04
169	0.3600	161	24.20	24197	2.60E-04	2.60E-01	0.00E+00	0.00E+00	2.42E+04	5.79E-05		233	27.58	27576	8.69E-04	8.69E-01	0.00E+00	0.00E+00	2.76E+04	1.94E-04
170	0.3560	162	37.50	37500	1.44E-03	1.44E+00	0.00E+00	0.00E+00	3.75E+04	3.26E-04		78	30.74	30736	8.71E-04	8.71E-01	0.00E+00	0.00E+00	3.07E+04	1.97E-04
171	0.3520	163	50.00	50000	2.86E-02	2.86E+01	0.00E+00	0.00E+00	5.00E+04	1.68E-02		126	47.29	47291	8.71E-04	8.71E-01	0.00E+00	0.00E+00	4.73E+04	1.98E-04
172	0.3480	164	32.26	32255	1.04E-03	1.04E+00	0.00E+00	0.00E+00	3.23E+04	2.42E-04		177	47.29	47291	8.72E-04	8.72E-01	0.00E+00	0.00E+00	4.73E+04	2.90E-04
173	0.3440	165	30.74	30736	1.51E-03	1.51E+00	0.00E+00	0.00E+00	2.93E+04	3.61E-04		217	29.32	29319	8.84E-04	8.84E-01	0.00E+00	0.00E+00	2.93E+04	2.09E-04
174	0.3400	166	44.76	44763	2.13E-04	2.13E-01	0.00E+00	0.00E+00	4.48E+04	4.80E-05		245	31.74	31737	8.86E-04	8.86E-01	0.00E+00	0.00E+00	3.17E+04	1.98E-04

3/3/00
DRD

Base Case + Low Tc Sol + High Tc Rd - Sorted 3 of 3

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
175	0.3360	167	43.96	43959	5.68E-04	5.68E-01	0.00E+00	0.00E+00	4.40E+04	1.28E-04		24	45.59	45586	8.89E-04	8.89E-01	0.00E+00	0.00E+00	4.56E+04	2.02E-04
176	0.3320	168	20.92	20918	6.83E-04	6.83E-01	0.00E+00	0.00E+00	2.09E+04	1.55E-04		226	20.41	20406	8.96E-04	8.96E-01	0.00E+00	0.00E+00	2.04E+04	2.00E-04
177	0.3280	169	22.60	22603	7.47E-04	7.47E-01	0.00E+00	0.00E+00	2.26E+04	1.69E-04		46	50.00	50000	8.99E-04	8.99E-01	0.00E+00	0.00E+00	5.00E+04	4.33E-04
178	0.3240	170	24.20	24197	6.33E-04	6.33E-01	0.00E+00	0.00E+00	2.42E+04	1.44E-04		49	36.24	36238	9.05E-04	9.05E-01	0.00E+00	0.00E+00	3.62E+04	2.04E-04
179	0.3200	171	29.32	29319	7.12E-04	7.12E-01	0.00E+00	0.00E+00	2.93E+04	1.59E-04		133	24.20	24197	9.06E-04	9.06E-01	0.00E+00	0.00E+00	2.42E+04	2.04E-04
180	0.3160	172	27.58	27576	6.41E-04	6.41E-01	0.00E+00	0.00E+00	2.76E+04	1.46E-04		125	27.58	27576	9.09E-04	9.09E-01	0.00E+00	0.00E+00	2.76E+04	2.05E-04
181	0.3120	173	27.58	27576	8.27E-04	8.27E-01	0.00E+00	0.00E+00	3.75E+04	1.88E-04		83	22.60	22603	9.12E-04	9.12E-01	0.00E+00	0.00E+00	2.26E+04	2.26E-04
182	0.3080	174	44.76	44763	6.08E-02	6.08E+01	0.00E+00	0.00E+00	4.40E+04	3.56E-02		32	22.60	22603	9.14E-04	9.14E-01	0.00E+00	0.00E+00	2.26E+04	2.05E-04
183	0.3040	175	40.92	40922	5.02E-04	5.02E-01	0.00E+00	0.00E+00	4.09E+04	1.14E-04		152	22.60	22603	9.35E-04	9.35E-01	0.00E+00	0.00E+00	2.26E+04	2.36E-04
184	0.3000	176	25.61	25612	1.64E-03	1.64E+00	0.00E+00	0.00E+00	2.56E+04	3.70E-04		237	32.26	32255	9.45E-04	9.45E-01	0.00E+00	0.00E+00	3.23E+04	2.15E-04
185	0.2960	177	47.29	47291	8.72E-04	8.72E-01	0.00E+00	0.00E+00	4.73E+04	2.90E-04		188	30.74	30736	9.50E-04	9.50E-01	0.00E+00	0.00E+00	3.07E+04	2.14E-04
186	0.2920	178	29.32	29319	3.94E-04	3.94E-01	0.00E+00	0.00E+00	5.00E+04	9.63E-05		12	24.20	24197	9.53E-04	9.53E-01	0.00E+00	0.00E+00	2.42E+04	2.16E-04
187	0.2880	179	43.96	43959	4.68E-02	4.68E+01	0.00E+00	0.00E+00	4.48E+04	2.75E-02		101	43.96	43959	9.55E-04	9.55E-01	0.00E+00	0.00E+00	4.40E+04	2.17E-04
188	0.2840	180	24.20	24197	7.37E-04	7.37E-01	0.00E+00	0.00E+00	2.42E+04	1.68E-04		228	19.23	19226	9.62E-04	9.62E-01	0.00E+00	0.00E+00	1.95E+04	2.21E-04
189	0.2800	181	27.58	27576	5.15E-04	5.15E-01	0.00E+00	0.00E+00	2.76E+04	1.20E-04		18	24.20	24197	9.79E-04	9.79E-01	0.00E+00	0.00E+00	2.42E+04	2.21E-04
190	0.2760	182	28.87	28868	1.30E-03	1.30E+00	0.00E+00	0.00E+00	2.89E+04	2.93E-04		214	24.20	24197	9.81E-04	9.81E-01	0.00E+00	0.00E+00	2.42E+04	2.22E-04
191	0.2720	183	50.00	50000	2.66E-02	2.66E+01	0.00E+00	0.00E+00	5.00E+04	1.56E-02		53	25.99	25987	9.87E-04	9.87E-01	0.00E+00	0.00E+00	2.60E+04	2.28E-04
192	0.2680	184	32.26	32255	3.32E-04	3.32E-01	0.00E+00	0.00E+00	3.23E+04	7.52E-05		250	25.99	25987	9.92E-04	9.92E-01	0.00E+00	0.00E+00	2.60E+04	2.24E-04
193	0.2640	185	27.58	27576	8.03E-04	8.03E-01	0.00E+00	0.00E+00	2.76E+04	1.82E-04		221	43.96	43959	9.98E-04	9.98E-01	0.00E+00	0.00E+00	4.40E+04	2.46E-04
194	0.2600	186	28.00	27997	1.04E-03	1.04E+00	0.00E+00	0.00E+00	2.80E+04	2.59E-04		68	20.92	20918	9.99E-04	9.99E-01	0.00E+00	0.00E+00	2.09E+04	2.49E-04
195	0.2560	187	26.76	26763	1.29E-04	1.29E-01	0.00E+00	0.00E+00	2.68E+04	2.90E-05		117	27.58	27576	1.00E-03	1.00E+00	0.00E+00	0.00E+00	2.76E+04	2.28E-04
196	0.2520	188	30.74	30736	9.50E-04	9.50E-01	0.00E+00	0.00E+00	3.07E+04	2.14E-04		158	19.45	19451	1.02E-03	1.02E+00	0.00E+00	0.00E+00	1.95E+04	2.26E-04
197	0.2480	189	32.26	32255	4.15E-04	4.15E-01	0.00E+00	0.00E+00	3.28E+04	9.96E-05		51	24.20	24197	1.02E-03	1.02E+00	0.00E+00	0.00E+00	2.42E+04	2.30E-04
198	0.2440	190	22.60	22603	3.42E-04	3.42E-01	0.00E+00	0.00E+00	2.26E+04	7.72E-05		54	38.82	38821	1.02E-03	1.02E+00	0.00E+00	0.00E+00	3.88E+04	2.39E-04
199	0.2400	191	28.87	28868	1.68E-03	1.68E+00	0.00E+00	0.00E+00	2.89E+04	3.78E-04		39	29.32	29319	1.02E-03	1.02E+00	0.00E+00	0.00E+00	2.93E+04	2.32E-04
200	0.2360	192	32.79	32786	5.02E-04	5.02E-01	0.00E+00	0.00E+00	3.28E+04	1.14E-04		235	38.82	38821	1.02E-03	1.02E+00	0.00E+00	0.00E+00	3.88E+04	2.32E-04
201	0.2320	193	44.76	44763	4.70E-04	4.70E-01	0.00E+00	0.00E+00	4.40E+04	1.11E-04		186	28.00	27997	1.04E-03	1.04E+00	0.00E+00	0.00E+00	2.80E+04	2.59E-04
202	0.2280	194	30.74	30736	2.28E-04	2.28E-01	0.00E+00	0.00E+00	3.07E+04	5.14E-05		164	32.26	32255	1.04E-03	1.04E+00	0.00E+00	0.00E+00	3.23E+04	2.42E-04
203	0.2240	195	23.54	23537	6.18E-04	6.18E-01	0.00E+00	0.00E+00	2.35E+04	1.38E-04		137	37.50	37500	1.05E-03	1.05E+00	0.00E+00	0.00E+00	3.75E+04	2.37E-04
204	0.2200	196	24.20	24197	1.22E-03	1.22E+00	0.00E+00	0.00E+00	2.42E+04	3.09E-04		109	50.00	50000	1.06E-03	1.06E+00	0.00E+00	0.00E+00	5.00E+04	6.09E-04
205	0.2160	197	30.74	30736	6.19E-04	6.19E-01	0.00E+00	0.00E+00	3.07E+04	1.41E-04		160	32.26	32255	1.07E-03	1.07E+00	0.00E+00	0.00E+00	3.23E+04	2.53E-04
206	0.2120	198	24.20	24197	5.63E-04	5.63E-01	0.00E+00	0.00E+00	2.42E+04	1.27E-04		55	30.74	30736	1.07E-03	1.07E+00	0.00E+00	0.00E+00	3.07E+04	2.44E-04
207	0.2080	199	24.20	24197	5.55E-04	5.55E-01	0.00E+00	0.00E+00	2.42E+04	1.25E-04		118	27.58	27576	1.12E-03	1.12E+00	0.00E+00	0.00E+00	2.76E+04	2.54E-04
208	0.2040	200	22.60	22603	8.63E-04	8.63E-01	0.00E+00	0.00E+00	2.26E+04	2.15E-04		21	44.76	44763	1.14E-03	1.14E+00	0.00E+00	0.00E+00	4.48E+04	2.61E-04
209	0.2000	201	25.61	25612	1.32E-03	1.32E+00	0.00E+00	0.00E+00	2.56E+04	2.97E-04		42	42.41	42405	1.14E-03	1.14E+00	0.00E+00	0.00E+00	4.24E+04	2.80E-04
210	0.1960	202	40.92	40922	2.87E-04	2.87E-01	0.00E+00	0.00E+00	4.09E+04	6.51E-05		134	27.58	27576	1.16E-03	1.16E+00	0.00E+00	0.00E+00	2.76E+04	2.63E-04
211	0.1920	203	22.60	22603	7.67E-04	7.67E-01	0.00E+00	0.00E+00	2.26E+04	1.74E-04		119	29.32	29319	1.19E-03	1.19E+00	0.00E+00	0.00E+00	2.93E+04	2.70E-04
212	0.1880	204	25.99	25987	5.50E-04	5.50E-01	0.00E+00	0.00E+00	2.60E+04	1.25E-04		196	24.20	24197	1.22E-03	1.22E+00	0.00E+00	0.00E+00	2.42E+04	3.09E-04
213	0.1840	205	18.18	18175	1.52E-03	1.52E+00	0.00E+00	0.00E+00	1.82E+04	3.41E-04		143	38.82	38821	1.23E-03	1.23E+00	0.00E+00	0.00E+00	3.88E+04	2.95E-04
214	0.1800	206	50.00	50000	3.53E-02	3.53E+01	0.00E+00	0.00E+00	5.00E+04	2.08E-02		110	27.58	27576	1.27E-03	1.27E+00	0.00E+00	0.00E+00	2.76E+04	2.99E-04
215	0.1760	207	25.99	25987	6.07E-04	6.07E-01	0.00E+00	0.00E+00	2.60E+04	1.40E-04		82	22.60	22603	1.28E-03	1.28E+00	0.00E+00	0.00E+00	2.26E+04	2.87E-04
216	0.1720	208	50.00	50000	5.70E-03	5.70E+00	0.00E+00	0.00E+00	5.00E+04	3.34E-03		74	50.00	50000	1.29E-03	1.29E+00	0.00E+00	0.00E+00	3.75E+04	3.18E-04
217	0.1680	209	50.00	50000	3.38E-04	3.38E-01	0.00E+00	0.00E+00	5.00E+04	7.70E-05		182	28.87	28868	1.30E-03	1.30E+00	0.00E+00	0.00E+00	2.89E+04	2.93E-04
218	0.1640	210	25.61	25612	2.91E-04	2.91E-01	0.00E+00	0.00E+00	2.56E+04	6.55E-05		201	25.61	25612	1.32E-03	1.32E+00	0.00E+00	0.00E+00	2.56E+04	2.97E-04
219	0.1600	211	25.61	25612	8.14E-04	8.14E-01	0.00E+00	0.00E+00	2.56E+04	1.83E-04		77	22.60	22603	1.34E-03	1.34E+00	0.00E+00	0.00E+00	2.26E+04	3.31E-04
220	0.1560	212	47.29	47291	4.26E-04	4.26E-01	0.00E+00	0.00E+00	4.73E+04	1.04E-04		148	45.59	45586	1.34E-03	1.34E+00	0.00E+00	0.00E+00	4.56E+04	3.04E-04
221	0.1520	213	35.63	35629	1.47E-03	1.47E+00	0.00E+00	0.00E+00	3.56E+04	3.34E-04		89	37.50	37500	1.38E-03	1.38E+00	0.00E+00	0.00E+00	3.75E+04	3.08E-04
222	0.1480	214	24.20	24197	9.81E-04	9.81E-01	0.00E+00	0.00E+00	2.42E+04	2.22E-04		5	24.20	24197	1.39E-03	1.39E+00	0.00E+00	0.00E+00	2.42E+04	3.10E-04
223	0.1440	215	22.60	22603	7.33E-04	7.33E-01	0.00E+00	0.00E+00	2.26E+04	1.64E-04		162	37.50	37500	1.44E-03	1.44E+00	0.00E+00	0.00E+00	3.75E+04	3.26E-04
224	0.1400	216	36.24	36238	5.83E-04	5.83E-01	0.00E+00	0.00E+00	3.62E+04	1.36E-04		213	35.63	35629	1.47E-03	1.47E+00	0.00E+00	0.00E+00	3.56E+04	3.34E-04
225	0.1360	217	29.32	29319	8.84E-04	8.84E-01	0.00E+00	0.00E+00	2.93E+04	2.09E-04		165	30.74	30736	1.51E-03	1.51E+00	0.00E+00	0.00E+00	2.93E+04	3.61E-04
226	0.1320	218	23.22	23219	7.21E-04	7.21E-01	0.00E+00	0.00E+00	2.32E+04	1.64E-04		205	18.18	18175	1.52E-03	1.52E+00	0.00E+00	0.00E+00	1.82E+04	3.41E-04
227	0.1280	219	24.20	24197	6.43E-04	6.43E-01	0.00E+00	0.00E+00	2.42E+04	1.45E-04		3	24.54	24539	1.53E-03	1.53E+00	0.00E+00	0.00E+00	2.45E+04	3.41E-04
228	0.1240	220	31.23	31231	4.16E-04	4.16E-01	0.00E+00	0.00E+00	3.23E+04	9.42E-05		129	33.88	33884	1.57E-03	1.57E+00	0.00E+00	0.00E+00	3.39E+04	3.57E-04
229	0.1200	221	43.96	43959	9.98E-04	9.98E-01	0.00E+00	0.00E+00	4.40E+04	2.46E-04		176	25.61	25612	1.64E-03	1.64E+00	0.00E+00	0.00E+00	2.56E+04	3.70E-04
230	0.1160	222	32.79	32786	6.66E-04	6.66E-01	0.00E+00	0.00E+00	3.28E+04	1.49E-04		191	28.87	28868	1.68E-03	1.68E+00	0.00E+00	0.00E+00	2.89E+04	3.78E-04
231	0.1120	223	33.88	33884	3.29E-04	3.29E-01	0.00E+00	0.00E+00	3.39E+04	7.47E-05		103	28.87	28868	1.72E-03	1.72E+00	0.00E+00	0.00E+00	2.89E+04	4.03E-04
232	0.1080	224	50.00	50000	1.31E-02	1.31E+01	0.00E+00	0.00E+00	5.00E+04	7.75E-03		144	34.45	34452	1.74E-03	1.74E+00	0.00E+00	0.00E+00	3.45E+04	3.89E-04
233	0.1040	225	32.79	32786	4.12E-04	4.12E-01	0.00E+00	0.00E+00	3.28E+04	9.25E-05		27	50.00	50000	2.10E-03	2.10E+00	0.00E+00	0.00E+00	5.00E+04	1.19E-03
234	0.1000	226	20.41	20406	8.96E-04	8.96E-01	0.00E+00	0.00E+00	2.04E+04	2.00E-04		40	37.50	37500	2.14E-03	2.14E+00	0.00E+00	0.00E+00	3.75E+04	4.79E-04
235	0.0960	227	25.99	25987	4.72E-04	4.72E-01	0.00E+00	0.00E+00	2.60E+04	1.06E-04		208	50.00	50000	5.70E-03	5.70E+00	0.00E+00	0.00E+00	5.00E+04	3.34E-03
236	0.0920	228	19.23	19226	9.62E-04	9.62E-01	0.00E+00	0.00E+00	1.95E+04	2.21E-04		41	50.00	50000	9.97E-03	9.97E+00	0.00E+00	0.00E+00	5.00E+04	5.85E-03
237	0.0880	229	37.50	37500	6.24E-04	6.24E-01	0.00E+00	0.00E+00	3.75E+04	1.59E-04		249	46.43	46429	1.06E-02	1.06E+01	0.00E+00	0.00E+00	4.73E+04	6.15E-03
238	0.0840	230	29.32	29319	7.33E-04	7.33E-01	0.00E+00	0.00E+00	2.93E+04	1.67E-04		7	50.00	50000	1.14E-02	1.14E+01	0.00E+00	0.00E+00	5.00E+04	6.70E-03
239	0.0800	231	37.50	37500	5.59E-04	5.59E-01	0.00E+00	0.00E+00	3.75E+04	1.33E-04		57	42.41	42405	1.30E-02	1.30E+01	0.00E+00	0.00E+00	4.24E+04	7.63E-03
240	0.0760	232	32.26	32255	8.29E-04	8.29E-01	0.00E+00	0.00E+00	3.23E+04	1.95E-04		224	50.00	50000	1.31E-02	1.31E+01	0.00E+00	0.00E+00	5.00E+04	7.75E-03
241	0.0720	233	27.58	27576	8.69E-04	8.69E-01	0.00E+00	0.00E+00	2.76E+04	1.94E-04		6	50.00	50000	1.69E-02	1.69E+01	0.00E+00	0.00E+00	5.00E+04	9.98E-03
242	0.0680	234	37.50	37500	6.86E-04	6.86E-01	0.00E+00	0.00E+00	3.75E+04	1.70E-04		246	40.21	40205	1.75E-02	1.75E+01	0.00E+00	0.00E+00	4.02E+04	1.02E-02
243	0.0640	235	38.82	38821	1.02E-03	1.02E+00	0.00E+00	0.00E+00	3.88E+04	2.32E-04		147	50.00	50000	1.86E-02	1.86E+01	0.00E+00	0.00E+00	5.00E+04	1.09E-02
244	0.0600	236	47.29	47291	7.15E-04	7.15E-01	0.00E+00	0.00E+00	4.73E+04	3.94E-04		242	37.50	37500	1.96E-02	1.96E+01	0.00E+00	0.00E+00	3.75E+04	1.15E-02
245	0.0560	237	32.26	32255	9.45E-04	9.45E-01	0.00E+00	0.00E+00	3.23E+04	2.15E-04		13	50.00	50000	2.22E-02	2.22E+01	0.00E+00	0.00E+00	5.00E+04	1.31E-02
246	0.0520	238	34.45	34452	2.17E-04	2.17E-01	0.00E+00	0.00E+00	3.45E+04	4.92E-05		183	50.00	50000	2.66E-02	2.66E+01	0.00E+00	0.00E+00	5.00E+04	1.56E-02
247	0.0480	239	33.33	33328	4.43E-04	4.43E-01	0.00E+00	0.00E+00	3.33E+04	9.94E-05		79	43.96	43959	2.78E-02	2.78E+01	0.00E+00	0.00E+00	4.40E+04	1.63E-02
248	0.0440	240	25.99	25987	8.49E-04	8.49E-01	0.00E+00	0.00E+00	2.72E+04	1.90E-04		163	50.00	50000	2.86E-02	2.86E+01	0.00E+00	0.00E+00	5.00E+04	1.68E-02
249	0.0400	241	40.21	40205	4.78E-04	4.78E-01	0.00E+00	0.00E+00	5.00E+04	1.55E-04		36	50.00	50000	3.05E-02	3.05E+01	0.00E+00	0.00E+00	5.00E+04	1.80E-02
250	0.0360	242	37.50	37500	1.96E-02	1.96E+01	0.00E+00	0.00E+00	3.75E+04	1.15E-02		243	50.00	50000	3.19E-02	3.19E+01	0.00E+00	0.00E+00	5.00E+04	1.88E-02
251	0.0320	243	50.00	50000	3.19E-02	3.19E+01	0.00E+00	0.00E+00	5.00E+04	1.88E-02		132	50.00	50000	3.22E-02	3.22E+01	0.00E+00	0.00E+00	5.00E+04	1.90E-02
252	0.0280	244	22.60	22603	8.36E-04	8.36E-01	0.00E+00	0.00E+00	2.26E+04	1.87E-04		206	50.00	50000	3.53E-02	3.53E+01	0.00E+00	0.00E+00	5.00E+04	2.08E-02
253	0.0240	245	31.74	31737	8.86E-04	8.86E-01	0.00E+00	0.00E+00	3.17E+04	1.98E-04		100	50.00	50000	4.50E-02	4.50E+01	0.00E+00	0.00E+00	5.00E+04	2.66E-02
254	0.0200	246	40.21	40205	1.75E-02	1.75E+01	0.00E+00	0.00E+00	4.02E+04	1.02E-02		179	43.96	43959	4.68E-02	4.68E+01	0.00E+00	0.00E+00	4.48E+04	2.75E-02
255	0.0160	247	27.58	27576	4.73E-04	4.73E-01	0.00E+00	0.00E+00	2.76E+04	1.08E-04		70	40.21	40205	4.72E-02	4.72E+01	0.00E+00	0.00E+00	4.02E+04	2.79E-02
256	0.0120	248	43.96	43959	5.50E-04	5.50E-01	0.00E+00	0.00E+00	4.40E+04	1.23E-04		23	47.29	47291	5.08E-02	5.08E+01	0.00E+00	0.00E+00	4.73E+04	2.99E-02
257	0.0080	249	46.43	46429	1.06E-02	1.06E+01	0.00E+00	0.00E+00	4.73E+04	6.15E-03		174	44.76	44763	6.08E-02	6.08E+01	0.00E+00	0.00E+00	4.40E+04	3.56E-02
258	0.0040	250	25.99	25987	9.92E-04	9.92E-01	0.00E+00	0.00E+00	2.60E+04	2.24E-04		120	50.00	50000	1.79E-01	1.79E+02	0.00E+00	0.00E+00	5.00E+04	1.05E-01

3/3/00 (DB)

Enhanced Corrosion
Unsorted
1 of 2

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
13	Input		file	tpa.inp	as	supplied	with	TPA	Version	3.2.1	Code.																
14	Base		case	data	set	Rev	3.2.1	2/22/99																			
15	TPA		3.2.3	PVM	capable.	Job	started:	Tue	Oct	26	10:06:25	1999															
16	Groundwater		Total	Peak	Dose	and	Peak	Time	with	Doses																	
17	for		Each	Nuclide	at	Peak	Time	-	Values	for	Each	Vector															
18																											
19	vector	pktime	pktime	pktede	Cm246de	U238de	Cm245de	Am241de	Np237de	Am243de	Pu239de	Pu240de	U234de	Th230de	Ra226de	Pb210de	Cs135de	I129de	Tc99de	Tc99de	Ni59de	C14de	Se79de	Nb94de	Cl36de	timedwpk	dmkh20
20	unitless	yr/1000	yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	mrem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	yr	rem/yr
21	1	34.45	34452	6.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04	1.98E-01	1.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-06	3.45E+04	2.03E-04
22	2	42.41	42405	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-04	5.56E-01	5.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-06	4.24E+04	4.40E-04
23	3	42.41	42405	1.76E-02	0.00E+00	2.93E-07	0.00E+00	0.00E+00	1.71E-02	0.00E+00	0.00E+00	0.00E+00	1.12E-06	1.09E-10	3.03E-11	1.46E-10	0.00E+00	1.70E-04	2.60E-01	2.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-06	4.24E+04	1.03E-02
24	4	25.61	25612	9.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04	3.74E-01	3.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	2.56E+04	3.01E-04
25	5	27.58	27576	2.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	8.94E-01	8.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05	2.76E+04	7.50E-04
26	6	12.49	12493	7.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.44E-04	4.48E-01	4.48E-04	0.00E+00	0.00E+00	6.02E-05	0.00E+00	8.05E-06	1.08E+04	3.01E-04
27	7	34.45	34452	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	1.51E-01	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-06	3.39E+04	1.27E-04
28	8	27.58	27576	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-04	3.09E-01	3.09E-04	0.00E+00	0.00E+00	3.01E-05	0.00E+00	1.69E-05	2.76E+04	3.21E-04
29	9	24.20	24197	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	6.24E-01	6.24E-04	0.00E+00	0.00E+00	3.16E-05	0.00E+00	3.07E-05	2.42E+04	5.55E-04
30	10	25.61	25612	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-04	3.91E-01	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-06	2.42E+04	3.35E-04
31	11	50.00	50000	2.73E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-05	1.27E-01	1.27E-04	1.29E-05	0.00E+00	1.44E-05	0.00E+00	1.10E-06	5.00E+04	1.61E-02
32	12	32.26	32255	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	6.69E-01	6.69E-04	1.87E-07	0.00E+00	0.00E+00	0.00E+00	2.54E-05	3.23E+04	5.76E-04
33	13	14.19	14193	2.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	9.95E-01	9.95E-04	0.00E+00	0.00E+00	1.07E-04	0.00E+00	7.85E-06	9.32E+03	9.80E-04
34	14	14.19	14193	2.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-04	1.05E+00	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05	1.42E+04	7.26E-04
35	15	15.80	15803	2.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.11E+00	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05	1.58E+04	7.81E-04
36	16	50.00	50000	8.56E-02	0.00E+00	3.05E-13	0.00E+00	0.00E+00	8.53E-02	0.00E+00	0.00E+00	0.00E+00	1.14E-12	1.49E-16	2.31E-17	9.78E-17	0.00E+00	1.24E-04	1.73E-01	1.73E-04	5.96E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	5.00E+04	5.05E-02
37	17	32.26	32255	3.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	1.33E-01	1.33E-04	1.95E-14	0.00E+00	1.43E-07	0.00E+00	2.98E-06	3.23E+04	1.03E-04
38	18	50.00	50000	7.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	3.35E-01	3.35E-04	0.00E+00	0.00E+00	7.44E-10	0.00E+00	4.04E-06	5.00E+04	2.56E-04
39	19	19.23	19226	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	4.82E-01	4.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-06	1.19E+04	7.49E-04
40	20	50.00	50000	7.58E-04	0.00E+00	1.61E-08	0.00E+00	0.00E+00	7.56E-04	0.00E+00	0.00E+00	0.00E+00	5.97E-08	1.90E-10	3.00E-11	9.99E-11	0.00E+00	6.09E-07	9.20E-04	9.20E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-09	5.00E+04	4.48E-04
41	21	12.49	12493	2.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.29E-04	1.71E+00	1.71E-03	1.30E-05	0.00E+00	0.00E+00	0.00E+00	3.06E-05	1.25E+04	9.36E-04
42	22	21.18	21183	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.83E-04	3.34E-01	3.34E-04	0.00E+00	0.00E+00	1.22E-08	0.00E+00	1.98E-05	2.12E+04	3.19E-04
43	23	12.49	12493	5.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	2.86E-01	2.86E-04	2.90E-06	0.00E+00	0.00E+00	0.00E+00	6.74E-06	1.25E+04	1.97E-04
44	24	20.66	20659	2.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-03	5.89E-01	5.89E-04	0.00E+00	0.00E+00	6.86E-05	0.00E+00	1.91E-05	1.92E+04	6.51E-04
45	25	50.00	50000	5.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	3.17E-01	3.17E-04	0.00E+00	0.00E+00	3.32E-07	0.00E+00	1.15E-05	4.82E+04	2.28E-04
46	26	30.74	30736	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-04	2.83E-01	2.83E-04	0.00E+00	0.00E+00	8.12E-05	0.00E+00	1.33E-05	3.23E+04	3.40E-04
47	27	12.49	12493	9.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	5.41E-01	5.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-06	1.08E+04	3.94E-04
48	28	12.49	12493	1.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-04	9.07E-01	9.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05	1.25E+04	8.19E-04
49	29	42.41	42405	9.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-04	2.15E-01	2.15E-04	0.00E+00	0.00E+00	3.56E-07	0.00E+00	1.77E-06	4.24E+04	2.82E-04
50	30	24.20	24197	1.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.84E-04	8.52E-01	8.52E-04	1.56E-11	0.00E+00	0.00E+00	0.00E+00	2.44E-05	2.42E+04	5.72E-04
51	31	30.74	30736	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-04	6.02E-01	6.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	3.07E+04	4.69E-04
52	32	35.63	35629	9.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04	4.28E-01	4.28E-04	9.80E-06	0.00E+00	3.61E-08	0.00E+00	9.68E-06	3.56E+04	3.18E-04
53	33	19.68	19682	2.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.21E-04	1.68E+00	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.62E-05	1.92E+04	1.03E-03
54	34	50.00	50000	8.91E-02	0.00E+00	2.07E-21	0.00E+00	0.00E+00	8.79E-02	0.00E+00	0.00E+00	0.00E+00	2.52E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-04	6.16E-01	6.16E-04	0.00E+00	0.00E+00	1.74E-05	0.00E+00	6.98E-06	5.00E+04	5.24E-02
55	35	15.80	15803	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-04	6.26E-01	6.26E-04	0.00E+00	0.00E+00	1.47E-04	0.00E+00	1.16E-05	1.58E+04	4.79E-04
56	36	19.23	19226	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-04	4.67E-01	4.67E-04	1.28E-06	0.00E+00	0.00E+00	0.00E+00	1.63E-05	2.07E+04	3.73E-04
57	37	25.61	25612	2.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	7.13E-01	7.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	2.15E+04	6.55E-04
58	38	17.42	17417	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-04	1.36E+00	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-05	1.58E+04	8.65E-04
59	39	50.00	50000	2.41E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-06	2.09E-02	2.09E-05	0.00E+00	0.00E+00	1.81E-07	0.00E+00	1.86E-06	5.00E+04	1.06E-05
60	40	19.23	19226	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-04	4.16E-01	4.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05	1.92E+04	3.72E-04
61	41	37.50	37500	3.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	2.00E-01	2.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05	3.75E+04	2.18E-03
62	42	9.77	9769	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.05E-04	8.91E-01	8.91E-04	2.27E-05	0.00E+00	1.28E-04	0.00E+00	1.93E-05	9.32E+03	8.70E-04
63	43	22.60	22603	7.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04	2.62E-01	2.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	2.26E+04	2.38E-04
64	44	20.92	20918	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-04	4.80E-01	4.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05	2.09E+04	3.66E-04
65	45	25.99	25987	2.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	1.65E-02	1.65E-05	1.05E-08	0.00E+00	0.00E+00	0.00E+00	2.22E-07	2.60E+04	1.05E-05
66	46	20.92	20918	1.12E-03	0.00E+00	4.61E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-08	1.01E-13	5.91E-13	2.29E-12	0.00E+00	6.84E-04	4.21E-01	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05	2.09E+04	3.62E-04
67	47	24.20	24197	3.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	1.29E-01	1.29E-04	0.00E+00	0.00E+00	3.21E-05	0.00E+00	3.39E-06	2.42E+04	1.21E-04
68	48	37.50	37500	4.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	1.64E-01	1.64E-04	4.34E-07	0.00E+00	0.00E+00	0.00E+00	1.56E-06	3.75E+04	1.37E-04
69	49	15.95	15948	8.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.25E-05	8.74E-01	8.74E-04	0.00E+00	0.00E+00	1.18E-04	0.00E+00	1.30E-05	1.58E+04	3.85E-04
70	50	40.21	40205	2.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	5.96E-02	5.96E-05	8.41E-10	0.00E+00	0.00E+00	0.00E+00	1.99E-06	3.95E+04	6.31E-05
71	51	30.74	30736	6.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04	1.71E-01	1.71E-04	3.40E-06	0.00E+00	4.25E-05	0.00E+00	2.52E-06	3.07E+04	1.94E-04
72	52	50.00	50000	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05	1.14E-01	1.14E-04	0.00E+00	0.00E+00	1.27E-05	0.00E+00	9.27E-07	5.00E+04	1.23E-03
73	53	20.92	20918	2.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.85E+00	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.45E-05	2.09E+04	1.14E-03
74	54	34.45	34452	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04	5.96E-01	5.96E-04	4.23E-07	0.00E+00	1.25E-06	0.00E+00	1.56E-05	3.45E+04	4.11E-04
75	55	43.96	43959	6.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	3.90E-01	3.90E-04	0.00E+00	0.00E+00	9.12E-08	0.00E+00	3.16E-06	4.32E+04	2.50E-04
76	56	32.26	32255	8.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-04	3.76E-01	3.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05	3.28E+04	2.98E-04
77	57	34.45	34452	7.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-04	1.76E-01	1.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-06	3.45E+04	2.16E-04
78	58	29.32	29319	6.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-04	2.64E-01	2.64E-04	2.00E-15	0.00E+00	5.52E-06	0.00E+00	4.67E-06	2.89E+04	2.20E-04
79	59	18.79	18791	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-04	1.05E+00	1.05E-03	3.74E-05	0.00E+00	0.00E+00	0.00E+00	1.66E-05	1.76E+04	6.73E-04
80	60	12.56	12561	2.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-04	1.64E+00	1.64E-03	0.00E+00	0.00E+00	1.47E-10	0.00E+00	3.30E-05	1.25E+04	9.36E-04
81	61	14.19	14193	2.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	1.41E+00	1.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.54E-05	1.42E+04	9.47E-04
82	62	28.87	28868	6.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-04	2.08E-01	2.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-06	1.88E+04	2.68E-04
83	63	9.11	9107	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-04	9.47E-01	9.47E-04	0.00E+00	0.00E+00	4.42E-05	0.00E+00	2.22E-05	9.11E+03	8.89E-04
84	64	32.79	32786	1.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	3.32E-01	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-06	2.56E+04	4.25E-04
85	65	47.29	47291	1.53E-01	0.00E+00	4.38E-07	0.00E+00	0.00E+00	1.52E-01	0.00E+00	0.00E+00	0.00E+00	1.63E-06	3.27E-08	1.88E-10	8.26E-10	0.00E+00	1.83E-04	2.80E-01	2.80E-04	9.25E-06	0.00E+00	0.00E+00	0.00E+00	2.27E-06	4.73E+04	9.02E-02
86	66	40.92	40922	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	4.64E-01	4.64E-04	1.57E-05	0.00E+00	0.00E+00	0.00E+00	3.75E-06	2.93E+04	4.92E-04
87	67	32.79	32786	7.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	2.30E-01	2.30E-04	1.02E-08	0.00E+00	7.85E-05	0.00E+00	1.19E-05	3.28E+04	2.30E-04
88	68	17.60	17600	1.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	1.63E+00	1.63E-03	3.07E-06	0.00E+00	1.21E-12	0.00E+00	2.59E-05	1.74E+04	8.58E-04
89	69	37.50	37500	8.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-04	3.02E-01	3.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	3.75E+04	2.59E-04
90	70	38.82	38821	9.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.69E-04	4.13E-01	4.13E-04	7.00E-08	0.00E+00	0.00E+00	0.00E+00	1.54E-05	3.88E+04	3.29E-04
91	71	50.00	50000	5.23E-03	0.00E+00	2.18E-16	0.00E+00	0.00E+00	5.05E-03	0.00E+00	0.00E+00	0.00E+00	8.09E-16	7.72E-22	1.47E-20	1.06E-19	0.00E+00	7.43E-05	1.03E-01	1.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-07	5.00E+04	3.05E-03
92	72	48.17	48173	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-04	4.53E-01	4.53E-04	2.02E-07	0.00E+00	0.00E+00	0.00E+00	2.68E-05	4.91E+04	4.21E-04
93	73	50.00	50000	1.53E-02	0.00E+00	1.86E-05	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	0.00E+00	6.92E-05	8.87E-10	1.53E-08	5.75E-09	0.00E+00	9.16E-05	1.42E-01	1.42E-04	0.00E+00	0.00E+00	1.84E-05	0.00E+00	1.16E-06	5.00E+04	8.99E-03
94	74	15.80	15803	2.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	8.11E-01	8.11E-04	0.00E+00	0.00E+00	2.62E-04	0.00E+00	1.26E-05	1.26E+04	7.66E-04
95	75	27.58	27576	1.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	4.87E-01	4.87E-04	2.02E-07	0.00E+00	0.00E+00	0.00E+00	2.89E-05	2.76E+04	4.71E-04
96	76	15.80	15803	3.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.76E-04	2.42E+00	2.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-05	1.58E+04	1.36E-03
97	77	29.32	29319	8.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-04	3.35E-01	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05	2.93E+04	2.67E-04
98	78	29.32	29319	2.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	1.05E+00	1.05E-03	9.65E-06	0.00E+00	0.00E+00	0.00E+00	3.51E-05	2.93E+04	8.05E-04
99	79	50.00	50000	8.73E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	3.54E-01	3.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-06	5.00E+04	3.97E-02
100	80	12.49	12493	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-04	6.79E-01	6.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.61E-06	1.05E+04	6.57E-04
101	81	17.60	17600	2.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-04	1.98E+00	1.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-05	1.74E+04	1.18E-03
102	82	27.17	27165	7.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04	2.27E-01	2.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	3.23E+04	2.40E-04
103	83	36.24	36238	5.14E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	3.89E-01	3.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-05	3.62E+04	3.02E-02
104	84	39.51	39506	5.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-04	2.70E-01	2.70E-04	0.00E+00	0.00E+00	2.18E-05	0.00E+00	5.66E-06	3.95E+04	2.05E-04
105	85	17.42	17417	2.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-04	1.85E+00	1.85E-03	1.29E-07	0.00E+00	2.75E-04	0.00E+00	3.14E-05	1.69E+04	1.14E-03
106	86	32.79	32786	9.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-04	1.70E-01	1.70E-04	2.07E-07	0.00E+00	2.00E-05	0.00E+00	1.36E-06	3.28E+04	2.52E-04
107	87	22.60	22603	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-04	5.50E-01	5.50E-04	0.00E+00	0.00E+00	4.84E-10	0.00E+00	2.80E-05	2.26E+04	4.63E-04
108	88	20.92	20918	6.68E-02	0.00E+00	6.12E-08	0.00E+00	0.00E+00	6.59E-02	0.00E+00	0.00E+00	0.00E+00	2.46E-07	1.11E-09	2.64E-11	1.22E-10	0.00E+00	4.52E-04	3.15E-01	3.15E-04	0.00E+00	0.00E+00	8.45E-05	0.00E+00	4.62E-06	2.09E+04	3.93E-02
109	89	12.49	12493	2.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-04	1.16E+00	1.16E-03	0.00E+00	0.00E+00	1.54E-04	0.00E+00	1.79E-05	1.22E+04	8.10E-04
110	90	28.87	28868	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.53E-04	6.71E-01	6.71E-04	0.00E+00	0.00E+00	2.68E-06	0.00E+00	1.17E-05	2.76E+04	4.10E-04
111	91	50.00	50000	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	1.64E-01	1.64E-04	0.00E+00	0.00E+00	1.77E-05	0.00E+00	1.33E-06	5.00E+04	5.27E-04
112	92	49.08	49076	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	2.31E-01	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05	4.91E+04	1.84E-04
113	93	25.99	25987	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-04	4.22E-01	4.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05	2.56E+04	4.07E-04
114	94	22.60	22603	8.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	5.66E-01	5.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05	2.26E+04	3.43E-04
115	95	29.32	29319	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-04	5.65E-01	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-05	2.93E+04	4.20E-04
116	96	38.82	38821	9.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-04	3.03E-01	3.03E-04	8.04E-07	0.00E+00	4.44E-06	0.00E+00	1.50E-05	3.88E+04	2.94E-04
117	97	50.00	50000	4.57E-04	0.00E+00	8.10E-26	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	2.18E-01	2.18E-04	0.00E+00	0.00E+00	3.44E-05	0.00E+00	1.03E-05	5.00E+04	1.71E-04
118	98	19.45	19451	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-04	4.08E-01	4.08E-04	0.00E+00	0.00E+00	9.75E-05	0.00E+00	1.85E-05	1.95E+04	3.84E-04
119	99	14.19	14193	2.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-04	1.79E+00	1.79E-03	0.00E+00	0.00E+00	2.93E-07	0.00E+00	3.19E-05	1.42E+04	9.99E-04
120	100	20.41	20406	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-04	3.56E-01	3.56E-04	0.00E+00	0.00E+00	1.15E-04	0.00E+00	2.18E-05	2.04E+04	4.07E-04
121	101	17.42	17417	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	9.89E-01	9.89E-04	0.00E+00	0.00E+00	1.24E-04	0.00E+00	1.68E-05	1.72E+04	6.15E-04
122	102	29.32	29319	7.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.81E-04	3.98E-01	3.98E-04	9.41E-09	0.00E+00	6.30E-08	0.00E+00	1.07E-05	2.93E+04	2.82E-04
123	103	24.20	24197	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	5.60E-01	5.60E-04	2.70E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-05	2.42E+04	5.20E-04
124	104	50.00	50000	1.25E-02	0.00E+00	1.99E-08	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	0.00E+00	7.38E-08	1.73E-11	7.58E-12	5.54E-11	0.00E+00	6.99E-05	9.28E-02	9.28E-05	6.26E-12	0.00E+00	0.00E+00	0.00E+00	7.56E-07	5.00E+04	7.35E-03
125	105	50.00	50000	1.94E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	2.53E-01	2.53E-04	7.67E-06	0.00E+00	0.00E+00	0.00E+00	2.06E-06	5.00E+04	1.14E-02
126	106	37.50	37500	7.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	2.65E-01	2.65E-04	0.00E+00	0.00E+00	7.09E-05	0.00E+00	4.90E-06	3.62E+04	2.55E-04
127	107	22.60	22603	1.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.96E-04	8.98E-01	8.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.70E-05	2.26E+04	6.19E-04
128	108	50.00	50000	3.09E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	2.34E-01	2.34E-04	8.18E-06	0.00E+00	2.49E-05	0.00E+00	1.91E-06	5.00E+04	1.82E-02
129	109	32.26	32255	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-04	5.11E-01	5.11E-04	3.06E-07	0.00E+00	0.00E+00	0.00E+00	8.06E-06	3.23E+04	4.20E-04
130	110	37.50	37500	1.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-04	3.39E-01	3.39E-04	8.94E-08	0.00E+00	9.90E-06	0.00E+00	2.81E-06	2.76E+04	3.95E-04
131	111	35.63	35629	1.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	2.53E-01	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-06	3.56E+04	5.14E-04
132	112	13.16	13162	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.60E-04	7.66E-01	7.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	1.25E+04	5.54E-04
133	113	32.26	32255	7.72E-04	0.00E+00	1.83E-29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04	2.35E-01	2.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	3.23E+04	2.34E-04
134	114	24.20	24197	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	6.95E-01	6.95E-04	2.13E-10	0.00E+00	0.00E+00	0.00E+00	9.01E-06	2.42E+04	5.72E-04
135	115	19.23	19226	9.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-13	9.13E-17	0.00E+00	0.00E+00	5.71E-04	3.03E-01	3.03E-04	0.00E+00	0.00E+00	1.16E-04	0.00E+00	4.00E-06	4.56E+04	4.59E-04
136	116	27.58	27576	1.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.91E-04	5.38E-01	5.38E-04	0.00E+00	0.00E+00	7.42E-07	0.00E+00	5.65E-06	2.42E+04	4.77E-04
137	117	24.20	24197	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-04	5.67E-01	5.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-06	1.97E+04	5.18E-04

3/3/00 (DB)

Enhanced Corrosion - Unsorted 2 of 2

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
138	118	14.19	14193	2.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	1.44E+00	1.44E-03	3.35E-05	0.00E+00	2.47E-04	0.00E+00	2.61E-05	1.42E+04	1.06E-03
139	119	17.60	17600	6.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-03	3.59E+00	3.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-05	1.76E+04	2.46E-03
140	120	20.16	20159	2.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03	7.24E-01	7.24E-04	1.03E-05	0.00E+00	0.00E+00	0.00E+00	3.28E-05	2.26E+04	7.63E-04
141	121	30.74	30736	2.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	6.14E-02	6.14E-05	2.06E-06	0.00E+00	0.00E+00	0.00E+00	4.91E-07	3.07E+04	7.24E-05
142	122	37.50	37500	7.67E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	1.81E-01	1.81E-04	0.00E+00	0.00E+00	1.46E-05	0.00E+00	1.46E-06	3.75E+04	4.53E-02
143	123	14.19	14193	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-04	6.09E-01	6.09E-04	1.14E-05	0.00E+00	0.00E+00	0.00E+00	9.80E-06	1.26E+04	4.17E-04
144	124	10.40	10396	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-04	1.08E+00	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-05	1.04E+04	5.65E-04
145	125	47.29	47291	1.09E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	1.62E-01	1.62E-04	2.56E-11	0.00E+00	2.00E-05	0.00E+00	1.32E-06	4.73E+04	6.36E-03
146	126	14.19	14193	2.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-04	2.43E+00	2.43E-03	0.00E+00	0.00E+00	2.76E-05	0.00E+00	4.77E-05	1.42E+04	1.22E-03
147	127	15.80	15803	3.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-04	2.53E+00	2.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-05	1.58E+04	1.38E-03
148	128	25.61	25612	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.20E-04	7.68E-01	7.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-05	2.56E+04	5.63E-04
149	129	24.20	24197	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.47E-04	1.14E+00	1.14E-03	3.56E-05	0.00E+00	1.14E-09	0.00E+00	1.59E-05	2.42E+04	6.87E-04
150	130	19.01	19006	3.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-04	2.57E+00	2.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.33E-05	1.76E+04	1.52E-03
151	131	12.49	12493	2.63E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-04	1.64E+00	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-05	1.25E+04	1.02E-03
152	132	50.00	50000	2.64E-03	0.00E+00	1.07E-08	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	0.00E+00	3.98E-08	2.25E-12	3.84E-12	1.19E-11	0.00E+00	1.42E-04	1.92E-01	1.92E-04	0.00E+00	0.00E+00	2.30E-05	0.00E+00	1.57E-06	5.00E+04	1.48E-03
153	133	50.00	50000	4.53E-02	0.00E+00	5.51E-07	0.00E+00	0.00E+00	4.45E-02	0.00E+00	0.00E+00	0.00E+00	2.04E-06	7.88E-10	2.07E-10	1.71E-09	0.00E+00	3.06E-04	4.76E-01	4.76E-04	0.00E+00	0.00E+00	8.26E-19	0.00E+00	3.88E-06	5.00E+04	2.66E-02
154	134	14.09	14088	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.15E-04	6.95E-01	6.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.57E-06	1.31E+04	4.96E-04
155	135	12.49	12493	9.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-06	8.80E-01	8.80E-04	0.00E+00	0.00E+00	5.45E-05	0.00E+00	1.72E-05	1.25E+04	4.50E-04
156	136	30.74	30736	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-04	2.63E-01	2.63E-04	2.56E-16	0.00E+00	6.39E-07	0.00E+00	2.18E-06	3.07E+04	3.18E-04
157	137	9.11	9107	1.09E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.11E-07	9.88E-03	9.88E-06	3.25E-08	0.00E+00	4.64E-08	0.00E+00	1.28E-07	9.11E+03	5.03E-06
158	138	50.00	50000	1.12E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-05	1.15E-01	1.15E-04	0.00E+00	0.00E+00	1.16E-06	0.00E+00	9.34E-07	5.00E+04	6.57E-03
159	139	50.00	50000	8.91E-05	0.00E+00	6.32E-09	0.00E+00	0.00E+00	5.53E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-08	5.99E-11	1.81E-11	9.25E-11	0.00E+00	1.18E-06	3.03E-02	3.03E-05	1.97E-08	0.00E+00	0.00E+00	0.00E+00	2.30E-06	5.00E+04	4.79E-05
160	140	15.80	15803	3.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03	1.30E+00	1.30E-03	0.00E+00	0.00E+00	3.57E-04	0.00E+00	1.85E-05	1.42E+04	1.18E-03
161	141	12.49	12493	3.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.11E-04	2.47E+00	2.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-05	1.25E+04	1.41E-03
162	142	12.92	12923	7.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-04	4.09E-01	4.09E-04	1.38E-06	0.00E+00	0.00E+00	0.00E+00	9.54E-06	1.29E+04	2.77E-04
163	143	20.92	20918	4.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-03	2.41E+00	2.41E-03	0.00E+00	0.00E+00	8.95E-06	0.00E+00	3.81E-05	2.09E+04	1.63E-03
164	144	35.63	35629	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	2.14E-01	2.14E-04	0.00E+00	0.00E+00	4.94E-08	0.00E+00	7.42E-06	3.45E+04	1.96E-04
165	145	34.45	34452	4.63E-04	0.00E+00	1.94E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-04	2.51E-01	2.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-06	3.45E+04	1.69E-04
166	146	50.00	50000	5.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	1.78E-01	1.78E-04	0.00E+00	0.00E+00	5.54E-05	0.00E+00	1.45E-05	5.00E+04	3.00E-03
167	147	29.32	29319	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-04	7.44E-01	7.44E-04	1.63E-05	0.00E+00	1.10E-04	0.00E+00	1.55E-05	2.93E+04	5.79E-04
168	148	38.82	38821	4.83E-04	0.00E+00	1.44E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.50E-10	1.32E-14	5.36E-14	1.39E-13	0.00E+00	1.43E-04	3.31E-01	3.31E-04	1.28E-06	0.00E+00	0.00E+00	0.00E+00	7.47E-06	3.75E+04	1.98E-04
169	149	29.32	29319	5.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	2.05E-01	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-06	2.93E+04	1.82E-04
170	150	12.49	12493	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.98E-04	6.52E-01	6.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	1.25E+04	4.09E-04
171	151	15.80	15803	3.93E-03	0.00E+00	4.55E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-19	2.13E-23	0.00E+00	0.00E+00	0.00E+00	1.25E-03	2.64E+00	2.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-05	1.58E+04	1.57E-03
172	152	19.23	19226	3.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	2.58E+00	2.58E-03	0.00E+00	0.00E+00	1.05E-04	0.00E+00	4.72E-05	1.90E+04	1.56E-03
173	153	40.92	40922	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	1.56E-01	1.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-06	3.28E+04	1.41E-04
174	154	36.24	36238	3.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-03	2.08E-06	4.03E-06	0.00E+00	8.90E-04	3.56E-01	3.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-06	5.00E+04	1.83E-03
175	155	32.79	32786	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-04	1.57E+00	1.57E-03	0.00E+00	0.00E+00	4.70E-22	0.00E+00	2.15E-05	3.28E+04	8.22E-04
176	156	38.82	38821	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	5.44E-01	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-06	3.07E+04	6.39E-04
177	157	24.20	24197	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-04	5.65E-01	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.36E-05	2.42E+04	4.56E-04
178	158	50.00	50000	1.90E-02	0.00E+00	2.97E-18	0.00E+00	0.00E+00	1.87E-02	0.00E+00	0.00E+00	0.00E+00	1.10E-17	5.00E-23	2.84E-22	0.00E+00	0.00E+00	8.58E-05	1.33E-01	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-06	5.00E+04	1.12E-02
179	159	38.24	38238	6.28E-02	0.00E+00	7.56E-09	0.00E+00	0.00E+00	6.22E-02	0.00E+00	0.00E+00	0.00E+00	2.91E-08	1.13E-12	7.57E-13	2.88E-12	0.00E+00	2.44E-04	3.11E-01	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-06	3.62E+04	3.70E-02
180	160	17.60	17600	5.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	4.37E+00	4.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.68E-05	1.74E+04	2.42E-03
181	161	20.92	20918	2.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-04	1.85E+00	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-05	2.09E+04	1.13E-03
182	162	27.17	27165	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	5.15E-01	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-05	2.72E+04	5.02E-04
183	163	19.23	19226	9.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	4.76E-01	4.76E-04	2.44E-06	0.00E+00	2.83E-07	0.00E+00	6.70E-06	1.58E+04	3.83E-04
184	164	14.88	14876	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-04	1.03E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05	1.42E+04	6.98E-04
185	165	10.83	10832	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-04	9.60E-01	9.60E-04	0.00E+00	0.00E+00	1.32E-04	0.00E+00	1.58E-05	1.08E+04	7.01E-04
186	166	17.60	17600	3.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.97E-05	3.06E+00	3.06E-03	0.00E+00	0.00E+00	2.62E-04	0.00E+00	3.74E-05	1.76E+04	1.60E-03
187	167	14.09	14088	2.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	1.05E+00	1.05E-03	0.00E+00	0.00E+00	1.92E-04	0.00E+00	1.49E-05	1.25E+04	8.95E-04
188	168	45.59	45586	1.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-05	1.40E-01	1.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-06	4.56E+04	8.03E-05
189	169	38.82	38821	7.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-04	2.40E-01	2.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	3.88E+04	2.31E-04
190	170	25.61	25612	2.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03	1.09E+00	1.09E-03	0.00E+00	0.00E+00	4.80E-11	0.00E+00	1.06E-05	2.09E+04	9.10E-04
191	171	47.29	47291	1.05E-03	0.00E+00	3.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-08	1.38E-10	9.52E-12	2.99E-11	0.00E+00	8.31E-04	2.14E-01	2.14E-04	8.53E-08	0.00E+00	1.43E-07	0.00E+00	5.45E-06	4.73E+04	2.94E-04
192	172	15.95	15948	2.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-04	1.80E+00	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-05	1.58E+04	1.11E-03
193	173	30.74	30736	8.26E-04	0.00E+00	1.06E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-14	1.25E-19	2.42E-19	4.46E-19	0.00E+00	5.92E-04	2.25E-01	2.26E-04	0.00E+00	0.00E+00	1.64E-08	0.00E+00	6.94E-06	3.07E+04	2.46E-04
194	174	29.78	29780	2.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	7.87E-01	7.87E-04	0.00E+00	0.00E+00	9.98E-06	0.00E+00	3.71E-05	2.98E+04	7.19E-04
195	175	25.99	25987	7.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	3.09E-01	3.09E-04	4.20E-06	0.00E+00	0.00E+00	0.00E+00	1.09E-05	2.60E+04	2.44E-04
196	176	32.26	32255	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	6.07E-01	6.07E-04	1.92E-05	0.00E+00	1.02E-04	0.00E+00	9.52E-06	3.12E+04	4.27E-04
197	177	31.23	31231	6.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	2.82E-01	2.82E-04	2.90E-07	0.00E+00	0.00E+00	0.00E+00	3.72E-06	3.07E+04	2.32E-04
198	178	27.58	27576	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-04	3.38E-01	3.38E-04	0.00E+00	0.00E+00	1.38E-10	0.00E+00	2.93E-06	2.76E+04	3.74E-04
199	179	15.80	15803	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-04	6.98E-01	6.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-05	1.58E+04	5.30E-04
200	180	31.74	31737	5.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	1.72E-01	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-08	3.39E+04	1.74E-04
201	181	12.49	12493	9.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-05	8.47E-01	8.47E-04	1.12E-05	0.00E+00	6.51E-05	0.00E+00	2.04E-05	1.25E+04	4.50E-04
202	182	32.79	32786	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-04	3.74E-01	3.74E-04	4.09E-06	0.00E+00	5.90E-05	0.00E+00	3.00E-06	2.09E+04	4.34E-04
203	183	22.31	22306	7.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	3.34E-01	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-06	2.09E+04	2.83E-04
204	184	15.80	15803	2.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.95E-04	1.87E+00	1.87E-03	0.00E+00	0.00E+00	3.52E-07	0.00E+00	2.98E-05	1.59E+04	1.14E-03
205	185	25.61	25612	5.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-04	2.72E-01	2.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-06	2.42E+04	2.08E-04
206	186	38.82	38821	8.18E-02	0.00E+00	1.87E-06	0.00E+00	0.00E+00	8.15E-02	0.00E+00	0.00E+00	0.00E+00	7.17E-06	1.53E-09	9.16E-10	6.96E-10	0.00E+00	1.18E-04	1.68E-01	1.68E-04	6.73E-06	0.00E+00	3.86E-13	0.00E+00	1.36E-06	3.88E+04	4.83E-02
207	187	19.01	19006	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04	7.21E-01	7.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	1.74E+04	5.13E-04
208	188	50.00	50000	3.91E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	2.43E-01	2.43E-04	0.00E+00	0.00E+00	1.23E-05	0.00E+00	1.98E-06	5.00E+04	2.30E-02
209	189	15.80	15803	7.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-03	4.63E+00	4.63E-03	0.00E+00	0.00E+00	1.05E-03	0.00E+00	5.86E-05	1.42E+04	3.30E-03
210	190	12.49	12493	3.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	2.03E+00	2.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-05	1.25E+04	1.27E-03
211	191	12.49	12493	1.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-04	1.05E+00	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-05	1.25E+04	6.66E-04
212	192	22.60	22603	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-04	6.25E-01	6.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-05	2.26E+04	5.19E-04
213	193	45.59	45586	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	5.11E-01	5.11E-04	1.28E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-05	4.56E+04	5.49E-04
214	194	50.00	50000	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-04	1.31E-01	1.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-06	4.24E+04	1.54E-04
215	195	22.60	22603	7.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-04	2.31E-01	2.31E-04	0.00E+00	0.00E+00	4.89E-06	0.00E+00	8.85E-06	2.42E+04	2.33E-04
216	196	19.01	19006	2.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	1.06E+00	1.06E-03	0.00E+00	0.00E+00	1.59E-04	0.00E+00	1.71E-05	1.69E+04	8.70E-04
217	197	20.92	20918	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	8.30E-01	8.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-05	2.09E+04	6.87E-04
218	198	50.00	50000	1.58E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	1.71E-01	1.71E-04	5.54E-06	0.00E+00	4.74E-17	0.00E+00	1.39E-06	5.00E+04	9.27E-03
219	199	14.52	14523	1.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.69E-04	9.87E-01	9.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-05	1.45E+04	6.57E-04
220	200	20.92	20918	1.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.75E-04	1.55E+00	1.55E-03	2.94E-06	0.00E+00	0.00E+00	0.00E+00	2.66E-05	2.09E+04	8.20E-04
221	201	17.60	17600	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	1.45E+00	1.45E-03	0.00E+00	0.00E+00	1.54E-05	0.00E+00	2.45E-05	1.76E+04	7.94E-04
222	202	36.24	36238	3.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	6.06E-02	6.06E-05	1.26E-06	0.00E+00	0.00E+00	0.00E+00	4.87E-07	3.62E+04	8.93E-05
223	203	50.00	50000	4.75E-03	0.00E+00	6.29E-07	0.00E+00	0.00E+00	4.40E-03	0.00E+00	0.00E+00	0.00E+00	2.34E-06	3.56E-10	2.94E-10	2.09E-10	0.00E+00	1.25E-04	1.82E-01	1.82E-04	0.00E+00	0.00E+00	4.51E-05	0.00E+00	1.48E-06	5.00E+04	2.74E-03
224	204	40.92	40922	7.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	3.47E-01	3.47E-04	0.00E+00	0.00E+00	1.09E-08	0.00E+00	2.87E-06	4.09E+04	2.56E-04
225	205	22.60	22603	9.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04	2.68E-01	2.68E-04	0.00E+00	0.00E+00	1.10E-04	0.00E+00	1.37E-05	2.26E+04	3.01E-04
226	206	15.80	15803	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.31E-04	1.13E+00	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-05	1.42E+04	6.52E-04
227	207	24.20	24197	1.30E-03	0.00E+00	2.58E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-13	9.39E-18	3.22E-19	2.28E-18	0.00E+00	9.26E-04	3.45E-01	3.45E-04	2.83E-08	0.00E+00	2.40E-06	0.00E+00	2.35E-05	2.39E+04	3.86E-04
228	208	12.49	12493	3.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03	1.51E+00	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05	1.25E+04	1.08E-03
229	209	27.58	27576	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-04	4.88E-01	4.88E-04	2.99E-18	0.00E+00	0.00E+00	0.00E+00	2.86E-05	2.76E+04	4.46E-04
230	210	32.26	32255	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-04	3.38E-01	3.38E-04	0.00E+00	0.00E+00	3.48E-05	0.00E+00	3.61E-06	3.23E+04	3.52E-04
231	211	27.58	27576	8.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.31E-04	3.91E-01	3.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-05	2.76E+04	2.89E-04
232	212	50.00	50000	2.67E-02	0.00E+00	2.76E-09	0.00E+00	0.00E+00	2.64E-02	0.00E+00	0.00E+00	0.00E+00	1.03E-08	7.05E-14	5.55E-13	1.94E-12	0.00E+00	1.11E-04	1.67E-01	1.67E-04	4.62E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	5.00E+04	1.57E-02
233	213	18.58	18581	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-04	5.36E-01	5.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-05	1.86E+04	4.78E-04
234	214	29.32	29319	2.17E-02	0.00E+00	2.28E-08	0.00E+00	0.00E+00	2.12E-02	0.00E+00	0.00E+00	0.00E+00	8.95E-06	5.16E-11	3.00E-10	1.22E-09	0.00E+00	2.83E-04	1.97E-01	1.97E-04	0.00E+00	0.00E+00	1.25E-05	0.00E+00	1.90E-06	2.93E+04	1.27E-02
235	215	12.49	12493	2.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	1.23E+00	1.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05	1.25E+04	8.32E-04
236	216	37.50	37500	1.10E-03	0.00E+00	2.21E-15	0.00E+00	0.00E+00	2.46E-07	0.00E+00	0.00E+00	0.00E+00	8.45E-15	6.88E-19	2.40E-19	4.42E-19	0.00E+00	7.97E-04	3.02E-01	3.02E-04	0.00E+00	0.00E+00	9.54E-07	0.00E+00	2.43E-06	2.42E+04	3.46E-04
237	217	50.00	50000	4.07E-03	0.00E+00	1.77E-07	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00	0.00E+00	6.56E-07	2.10E-10	2.75E-10	7.64E-10	0.00E+00	1.18E-04	1.81E-01	1.81E-04	6.07E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	5.00E+04	2.34E-03
238	218	19.23	19226	2.27E-03	0.00E+00	4.69E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-07	2.37E-12	1.29E-12	4.14E-12	0.00E+00	6.50E-04	1.57E+00	1.57E-03	0.00E+00	0.00E+00	3.07E-05	0.00E+00	2.80E-05	1.92E+04	9.23E-04
239	219	12.49	12493	1.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-04	9.70E-01	9.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05	1.25E+04	6.35E-04
240	220	12.49	12493	6.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-04	3.60E-01	3.60E-04	5.66E-08	0.00E+00	6.41E-11	0.00E+00	7.91E-06	1.15E+04	2.49E-04
241	221	12.49	12493	1.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-04	1.03E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-05	1.25E+04	6.75E-04
242	222	20.92	20918	1.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.32E-04	1.08E+00	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-05	2.07E+04	6.93E-04
243	223	17.60	17600	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	9.24E-01	9.24E-04	6.61E-07	0.00E+00	0.00E+00	0.00E+00	8.52E-06	1.25E+04	1.00E-03
244	224	34.45	34452	7.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-04	1.80E-01	1.80E-04	5.00E-15	0.00E+00	0.00E+00	0.00E+00	3.41E-06	3.45E+04	2.09E-04
245	225	25.99	25987	8.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-04	3.18E-01	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	2.60E+04	2.83E-04
246	226	17.60	17600	3.83E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.66E-04	2.91E+00	2.91E-03	0.00E+00	0.00E+00	6.96E-06	0.00E+00	4.15E-05	1.76E+04	1.62E-03
247	227	30.74	30736	5.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04	1.62E-01	1.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-06	3.07E+04	1.74E-04
248	228	25.61	25612	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-04	4.92E-01	4.92E-04	1.33E-07	0.00E+00	0.00E+00	0.00E+00	8.92E-06	2.42E+04	3.63E-04
249	229	33.88	33884	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	5.68E-01	5.68E-04	1.17E-17	0.00E+00	2.62E-05	0.00E+00	1.09E-05	3.39E+04	5.48E-04
250	230	19.23	19226	1.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.69E-04	1.10E+00	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-05	1.92E+04	6.19E-04
251	231	28.87	28868	7.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	2.87E-01	2.87E-04	5.67E-06	0.00E+00	2.35E-05	0.00E+00	6.29E-06	2.93E+04	2.54E-04
252	232	22.60	22603	1.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-04	1.23E+00	1.23E-03	0.00E+00	0.00E+00	2.13E-04	0.00E+00	1.69E-05	2.26E+04	7.83E-04
253	233	13.79	13787	1.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.43E-05	1.79E+00	1.79E-03	7.96E-06	0.00E+00	5.95E-09	0.00E+00	2.57E-05	1.38E+04	8.81E-04
254	234	35.63	35629	9.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	5.16E-01	5.16E-04	1.61E-08	0.00E+00	0.00E+00	0.00E+00	7.28E-06	3.45E+04	3.48E-04
255	235	29.32	29319	8.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-04	2.71E-01	2.71E-04	0.00E+00	0.00E+00	1.51E-07	0.00E+00	2.30E-06	2.26E+04	2.98E-04
256	236	36.24	36238	9.51E-04	0.00E+00	3.67E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.23E-04	2.43E-01	2.43E-04	0.00E+00	0.00E+00	8.29E-05	0.00E+00	1.95E-06	2.93E+04	3.27E-04
257	237	24.20	24197	8.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-04	3.11E-01	3.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-06	2.42E+04	2.67E-04
258	238	29.32	29319	9.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.60E-04	3.79E-01	3.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-06	2.26E+04	3.77E-04
259	239	14.19	14193	4.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03	2.86E+00	2.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.11E-05	1.42E+04	1.79E-03
260	240	19.23	19226	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-04	4.68E-01	4.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-05	1.92E+04	3.79E-04
261	241	25.99	25987	9.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-04	5.59E-01	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	2.60E+04	3.53E-04
262	242	45.59	45586	5.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04	1.66E-01	1.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-06	4.56E+04	1.76E-04
263	243	22.60	22603	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.40E-04	4.05E-01	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.98E-06	1.66E+04	3.93E-04
264	244	12.49	12493	4.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-03	2.80E+00	2.80E-03	2.87E-05	0.00E+00	0.00E+00	0.00E+00	5.78E-05	1.25E+04	1.70E-03
265	245	50.00	50000	4.99E-02	0.00E+00	1.90E-12	0.00E+00	0.00E+00	4.92E-02	0.00E+00	0.00E+00	0.00E+00	7.04E-12	4.75E-15	3.72E-16	3.11E-15	0.00E+00	2.63E-04	4.03E-01	4.03E-04	0.00E+00	0.00E+00	4.40E-05	0.00E+00	3.28E-06	5.00E+04	2.94E-02
266	246	50.00	50000	4.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	2.42E-01	2.42E-04	0.00E+00	0.00E+00	1.36E-05	0.00E+00	1.97E-06	5.00E+04	2.39E-03
267	247	37.50	37500	4.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-05	1.37E-01	1.37E-04	6.72E-07	0.00E+00	0.00E+00	0.00E+00	1.10E-06	3.75E+04	2.73E-03
268	248	50.00	50000	4.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	1.27E-01	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-06	3.62E+04	1.36E-04
269	249	45.59	45586	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04	1.25E-01	1.25E-04	0.00E+00	0.00E+00	4.51E-12	0.00E+00	1.02E-06	4.56E+04	1.51E-04
270	250	50.00	50000	9.05E-03	0.00E+00	7.54E-06	0.00E+00	0.00E+00	8.67E-03	0.00E+00	0.00E+00	0.00E+00	2.80E-05	4.63E-11	5.47E-10	1.61E-09	0.00E+00	1.08E-04	2.27E-01	2.27E-04	6.13E-06	0.00E+00	3.76E-18	0.00E+00	1.85E-06	5.00E+04	5.29E-03

3/3/00 (DR)

Enhanced corrosion - Sorted 1 of 3

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Min		9.11	9107.20	1.090E-05	1.090E-02	9.198E-04	9.198E-07	9.107E+03	5.027E-06										
2	Max		50.00	50000.00	1.527E-01	1.527E+02	4.630E+00	4.630E-03	5.000E+04	9.020E-02										
3	Mean		28.37	28370.67	5.897E-03	5.897E+00	7.140E-01	7.140E-04	2.773E+04	3.186E-03										
4	Median		25.99	25987.00	1.493E-03	1.493E+00	4.382E-01	4.382E-04	2.561E+04	5.160E-04										
5	s.d.		12.37	12370.83	1.675E-02	1.675E+01	7.422E-01	7.422E-04	1.253E+04	9.948E-03										
6							Sorted by									Sorted by				
7	probability	vector	pktime	pktime	pktede	pktede	Tc99de	Tc99de	timedwpk	drnkh20		vector	pktime	pktime	pktede	pktede	Tc99de	Tc99de	timedwpk	drnkh20
8	n/250	unitless	yr/1000	yr	rem/yr	mrem/yr	mrem/yr	rem/yr	yr	rem/yr		unitless	yr/1000	yr	rem/yr	mrem/yr	mrem/yr	rem/yr	yr	rem/yr
9	1.0000	20	50.00	50000	7.58E-04	7.58E-01	9.20E-04	9.20E-07	5.00E+04	4.48E-04		137	9.11	9107	1.09E-05	1.09E-02	9.88E-03	9.88E-06	9.11E+03	5.03E-06
10	0.9960	137	9.11	9107	1.09E-05	1.09E-02	9.88E-03	9.88E-06	9.11E+03	5.03E-06		39	50.00	50000	2.41E-05	2.41E-02	2.09E-02	2.09E-05	5.00E+04	1.06E-05
11	0.9920	45	25.99	25987	2.74E-05	2.74E-02	1.65E-02	1.65E-05	2.60E+04	1.05E-05		45	25.99	25987	2.74E-05	2.74E-02	1.65E-02	1.65E-05	2.60E+04	1.05E-05
12	0.9880	39	50.00	50000	2.41E-05	2.41E-02	2.09E-02	2.09E-05	5.00E+04	1.06E-05		139	50.00	50000	8.91E-05	8.91E-02	3.03E-02	3.03E-05	5.00E+04	4.79E-05
13	0.9840	139	50.00	50000	8.91E-05	8.91E-02	3.03E-02	3.03E-05	5.00E+04	4.79E-05		168	45.59	45586	1.94E-04	1.94E-01	1.40E-01	1.40E-04	4.56E+04	8.03E-05
14	0.9800	50	40.21	40205	2.07E-04	2.07E-01	5.96E-02	5.96E-05	3.95E+04	6.31E-05		50	40.21	40205	2.07E-04	2.07E-01	5.96E-02	5.96E-05	3.95E+04	6.31E-05
15	0.9760	202	36.24	36238	3.24E-04	3.24E-01	6.06E-02	6.06E-05	3.62E+04	8.93E-05		121	30.74	30736	2.49E-04	2.49E-01	6.14E-02	6.14E-05	3.07E+04	7.24E-05
16	0.9720	121	30.74	30736	2.49E-04	2.49E-01	6.14E-02	6.14E-05	3.07E+04	7.24E-05		17	32.26	32255	3.05E-04	3.05E-01	1.33E-01	1.33E-04	3.23E+04	1.03E-04
17	0.9680	104	50.00	50000	1.25E-02	1.25E+01	9.28E-02	9.28E-05	5.00E+04	7.35E-03		202	36.24	36238	3.24E-04	3.24E-01	6.06E-02	6.06E-05	3.62E+04	8.93E-05
18	0.9640	71	50.00	50000	5.23E-03	5.23E+00	1.03E-01	1.03E-04	5.00E+04	3.05E-03		47	24.20	24197	3.67E-04	3.67E-01	1.29E-01	1.29E-04	2.42E+04	1.21E-04
19	0.9600	52	50.00	50000	2.15E-03	2.15E+00	1.14E-01	1.14E-04	5.00E+04	1.23E-03		7	34.45	34452	3.83E-04	3.83E-01	1.51E-01	1.51E-04	3.39E+04	1.27E-04
20	0.9560	138	50.00	50000	1.12E-02	1.12E+01	1.15E-01	1.15E-04	5.00E+04	6.57E-03		48	37.50	37500	4.16E-04	4.16E-01	1.64E-01	1.64E-04	3.75E+04	1.37E-04
21	0.9520	249	45.59	45586	5.21E-04	5.21E-01	1.25E-01	1.25E-04	4.56E+04	1.51E-04		153	40.92	40922	4.21E-04	4.21E-01	1.56E-01	1.56E-04	3.28E+04	1.41E-04
22	0.9480	11	50.00	50000	2.73E-02	2.73E+01	1.27E-01	1.27E-04	5.00E+04	1.61E-02		248	50.00	50000	4.46E-04	4.46E-01	1.27E-01	1.27E-04	3.62E+04	1.36E-04
23	0.9440	248	50.00	50000	4.46E-04	4.46E-01	1.27E-01	1.27E-04	3.62E+04	1.36E-04		97	50.00	50000	4.57E-04	4.57E-01	2.18E-01	2.18E-04	5.00E+04	1.71E-04
24	0.9400	47	24.20	24197	3.67E-04	3.67E-01	1.29E-01	1.29E-04	2.42E+04	1.21E-04		145	34.45	34452	4.63E-04	4.63E-01	2.51E-01	2.51E-04	3.45E+04	1.69E-04
25	0.9360	194	50.00	50000	4.97E-04	4.97E-01	1.31E-01	1.31E-04	4.24E+04	1.54E-04		148	38.82	38821	4.83E-04	4.83E-01	3.31E-01	3.31E-04	3.75E+04	1.98E-04
26	0.9320	158	50.00	50000	1.90E-02	1.90E+01	1.33E-01	1.33E-04	5.00E+04	1.12E-02		194	50.00	50000	4.97E-04	4.97E-01	1.31E-01	1.31E-04	4.24E+04	1.54E-04
27	0.9280	17	32.26	32255	3.05E-04	3.05E-01	1.33E-01	1.33E-04	3.23E+04	1.03E-04		249	45.59	45586	5.21E-04	5.21E-01	1.25E-01	1.25E-04	4.56E+04	1.51E-04
28	0.9240	247	37.50	37500	4.69E-03	4.69E+00	1.37E-01	1.37E-04	3.75E+04	2.73E-03		23	12.49	12493	5.46E-04	5.46E-01	2.86E-01	2.86E-04	1.25E+04	1.97E-04
29	0.9200	168	45.59	45586	1.94E-04	1.94E-01	1.40E-01	1.40E-04	4.56E+04	8.03E-05		180	31.74	31737	5.55E-04	5.55E-01	1.72E-01	1.72E-04	3.39E+04	1.74E-04
30	0.9160	73	50.00	50000	1.53E-02	1.53E+01	1.42E-01	1.42E-04	5.00E+04	8.99E-03		92	49.08	49076	5.58E-04	5.58E-01	2.31E-01	2.31E-04	4.91E+04	1.84E-04
31	0.9120	7	34.45	34452	3.83E-04	3.83E-01	1.51E-01	1.51E-04	3.39E+04	1.27E-04		149	29.32	29319	5.68E-04	5.68E-01	2.05E-01	2.05E-04	2.93E+04	1.82E-04
32	0.9080	153	40.92	40922	4.21E-04	4.21E-01	1.56E-01	1.56E-04	3.28E+04	1.41E-04		227	30.74	30736	5.84E-04	5.84E-01	1.62E-01	1.62E-04	3.07E+04	1.74E-04
33	0.9040	227	30.74	30736	5.84E-04	5.84E-01	1.62E-01	1.62E-04	3.07E+04	1.74E-04		242	45.59	45586	5.84E-04	5.84E-01	1.66E-01	1.66E-04	4.56E+04	1.76E-04
34	0.9000	125	47.29	47291	1.09E-02	1.09E+01	1.62E-01	1.62E-04	4.73E+04	6.36E-03		84	39.51	39505	5.85E-04	5.85E-01	2.70E-01	2.70E-04	3.95E+04	2.05E-04
35	0.8960	91	50.00	50000	1.00E-03	1.00E+00	1.64E-01	1.64E-04	5.00E+04	5.27E-04		185	25.61	25612	5.90E-04	5.90E-01	2.72E-01	2.72E-04	2.42E+04	2.08E-04
36	0.8920	48	37.50	37500	4.16E-04	4.16E-01	1.64E-01	1.64E-04	3.75E+04	1.37E-04		25	50.00	50000	5.96E-04	5.96E-01	3.17E-01	3.17E-04	4.82E+04	2.28E-04
37	0.8880	242	45.59	45586	5.84E-04	5.84E-01	1.66E-01	1.66E-04	4.56E+04	1.76E-04		144	35.63	35629	6.18E-04	6.18E-01	2.14E-01	2.14E-04	3.46E+04	1.96E-04
38	0.8840	212	50.00	50000	2.67E-02	2.67E+01	1.67E-01	1.67E-04	5.00E+04	1.57E-02		51	30.74	30736	6.35E-04	6.35E-01	1.71E-01	1.71E-04	3.07E+04	1.94E-04
39	0.8800	186	38.82	38821	8.18E-02	8.18E+01	1.68E-01	1.68E-04	3.88E+04	4.83E-02		55	43.96	43969	6.51E-04	6.51E-01	3.90E-01	3.90E-04	4.32E+04	2.50E-04
40	0.8760	86	32.79	32786	9.02E-04	9.02E-01	1.70E-01	1.70E-04	3.28E+04	2.52E-04		220	12.49	12493	6.58E-04	6.58E-01	3.60E-01	3.60E-04	1.15E+04	2.49E-04
41	0.8720	198	50.00	50000	1.58E-02	1.58E+01	1.71E-01	1.71E-04	5.00E+04	9.27E-03		58	29.32	29319	6.64E-04	6.64E-01	2.64E-01	2.64E-04	2.89E+04	2.20E-04
42	0.8680	51	30.74	30736	6.35E-04	6.35E-01	1.71E-01	1.71E-04	3.07E+04	1.94E-04		1	34.45	34452	6.72E-04	6.72E-01	1.98E-01	1.98E-04	3.45E+04	2.03E-04
43	0.8640	180	31.74	31737	5.55E-04	5.55E-01	1.72E-01	1.72E-04	3.39E+04	1.74E-04		62	28.87	28868	6.92E-04	6.92E-01	2.08E-01	2.08E-04	1.88E+04	2.68E-04
44	0.8600	16	50.00	50000	8.56E-02	8.56E+01	1.73E-01	1.73E-04	5.00E+04	5.05E-02		177	31.23	31231	6.97E-04	6.97E-01	2.82E-01	2.82E-04	3.07E+04	2.32E-04
45	0.8560	57	34.45	34452	7.53E-04	7.53E-01	1.76E-01	1.76E-04	3.45E+04	2.16E-04		195	22.60	22603	7.04E-04	7.04E-01	2.31E-01	2.31E-04	2.42E+04	2.33E-04
46	0.8520	146	50.00	50000	5.20E-03	5.20E+00	1.78E-01	1.78E-04	5.00E+04	3.00E-03		67	32.79	32786	7.09E-04	7.09E-01	2.30E-01	2.30E-04	3.28E+04	2.30E-04
47	0.8480	224	34.45	34452	7.14E-04	7.14E-01	1.80E-01	1.80E-04	3.45E+04	2.09E-04		224	34.45	34452	7.14E-04	7.14E-01	1.80E-01	1.80E-04	3.45E+04	2.09E-04
48	0.8440	122	37.50	37500	7.67E-02	7.67E+01	1.81E-01	1.81E-04	3.75E+04	4.53E-02		175	25.99	25987	7.27E-04	7.27E-01	3.09E-01	3.09E-04	2.60E+04	2.44E-04
49	0.8400	217	50.00	50000	4.07E-03	4.07E+00	1.81E-01	1.81E-04	5.00E+04	2.34E-03		204	40.92	40922	7.32E-04	7.32E-01	3.47E-01	3.47E-04	4.09E+04	2.56E-04
50	0.8360	203	50.00	50000	4.75E-03	4.75E+00	1.82E-01	1.82E-04	5.00E+04	2.74E-03		82	27.17	27165	7.34E-04	7.34E-01	2.27E-01	2.27E-04	3.23E+04	2.40E-04
51	0.8320	132	50.00	50000	2.64E-03	2.64E+00	1.92E-01	1.92E-04	5.00E+04	1.48E-03		18	50.00	50000	7.47E-04	7.47E-01	3.35E-01	3.35E-04	5.00E+04	2.56E-04
52	0.8280	214	29.32	29319	2.17E-02	2.17E+01	1.97E-01	1.97E-04	2.93E+04	1.27E-02		169	38.82	38821	7.50E-04	7.50E-01	2.40E-01	2.40E-04	3.88E+04	2.31E-04
53	0.8240	1	34.45	34452	6.72E-04	6.72E-01	1.98E-01	1.98E-04	3.45E+04	2.03E-04		57	34.45	34452	7.53E-04	7.53E-01	1.76E-01	1.76E-04	3.45E+04	2.16E-04
54	0.8200	41	37.50	37500	3.86E-03	3.86E+00	2.00E-01	2.00E-04	3.75E+04	2.18E-03		43	22.60	22603	7.53E-04	7.53E-01	2.62E-01	2.62E-04	2.26E+04	2.38E-04
55	0.8160	149	29.32	29319	5.68E-04	5.68E-01	2.05E-01	2.05E-04	2.93E+04	1.82E-04		20	50.00	50000	7.58E-04	7.58E-01	9.20E-04	9.20E-07	5.00E+04	4.48E-04
56	0.8120	62	28.87	28868	6.92E-04	6.92E-01	2.08E-01	2.08E-04	1.88E+04	2.68E-04		142	12.92	12923	7.58E-04	7.58E-01	4.09E-01	4.09E-04	1.29E+04	2.77E-04
57	0.8080	144	35.63	35629	6.18E-04	6.18E-01	2.14E-01	2.14E-04	3.45E+04	1.96E-04		6	12.49	12493	7.60E-04	7.60E-01	4.48E-01	4.48E-04	1.08E+04	3.01E-04
58	0.8040	171	47.29	47291	1.05E-03	1.05E+00	2.14E-01	2.14E-04	4.73E+04	2.94E-04		106	37.50	37500	7.69E-04	7.69E-01	2.65E-01	2.65E-04	3.62E+04	2.55E-04
59	0.8000	29	42.41	42405	9.96E-04	9.96E-01	2.15E-01	2.15E-04	4.24E+04	2.82E-04		113	32.26	32255	7.72E-04	7.72E-01	2.35E-01	2.35E-04	3.23E+04	2.34E-04
60	0.7960	97	50.00	50000	4.57E-04	4.57E-01	2.18E-01	2.18E-04	5.00E+04	1.71E-04		231	28.87	28868	7.75E-04	7.75E-01	2.87E-01	2.87E-04	2.93E+04	2.54E-04
61	0.7920	173	30.74	30736	8.26E-04	8.26E-01	2.25E-01	2.25E-04	3.07E+04	2.46E-04		102	29.32	29319	7.90E-04	7.90E-01	3.98E-01	3.98E-04	2.93E+04	2.82E-04
62	0.7880	250	50.00	50000	9.05E-03	9.05E+00	2.27E-01	2.27E-04	5.00E+04	5.29E-03		183	22.31	22306	7.96E-04	7.96E-01	3.34E-01	3.34E-04	2.09E+04	2.83E-04
63	0.7840	82	27.17	27165	7.34E-04	7.34E-01	2.27E-01	2.27E-04	3.23E+04	2.40E-04		77	29.32	29319	8.02E-04	8.02E-01	3.35E-01	3.35E-04	2.93E+04	2.67E-04
64	0.7800	67	32.79	32786	7.09E-04	7.09E-01	2.30E-01	2.30E-04	3.28E+04	2.30E-04		69	37.50	37500	8.03E-04	8.03E-01	3.02E-01	3.02E-04	3.75E+04	2.59E-04
65	0.7760	92	49.08	49076	5.58E-04	5.58E-01	2.31E-01	2.31E-04	4.91E+04	1.84E-04		237	24.20	24197	8.23E-04	8.23E-01	3.11E-01	3.11E-04	2.42E+04	2.67E-04
66	0.7720	195	22.60	22603	7.04E-04	7.04E-01	2.31E-01	2.31E-04	2.42E+04	2.33E-04		173	30.74	30736	8.26E-04	8.26E-01	2.25E-01	2.25E-04	3.07E+04	2.46E-04
67	0.7680	108	50.00	50000	3.09E-02	3.09E+01	2.34E-01	2.34E-04	5.00E+04	1.82E-02		211	27.58	27576	8.35E-04	8.35E-01	3.91E-01	3.91E-04	2.76E+04	2.89E-04
68	0.7640	113	32.26	32255	7.72E-04	7.72E-01	2.35E-01	2.35E-04	3.23E+04	2.34E-04		235	29.32	29319	8.44E-04	8.44E-01	2.71E-01	2.71E-04	2.26E+04	2.98E-04
69	0.7600	169	38.82	38821	7.50E-04	7.50E-01	2.40E-01	2.40E-04	3.88E+04	2.31E-04		49	15.95	15948	8.58E-04	8.58E-01	6.74E-01	6.74E-04	1.58E+04	3.85E-04
70	0.7560	246	50.00	50000	4.20E-03	4.20E+00	2.42E-01	2.42E-04	5.00E+04	2.39E-03		94	22.60	22603	8.73E-04	8.73E-01	5.66E-01	5.66E-04	2.26E+04	3.43E-04
71	0.7520	236	36.24	36238	9.51E-04	9.51E-01	2.43E-01	2.43E-04	2.93E+04	3.27E-04		56	32.26	32255	8.89E-04	8.89E-01	3.76E-01	3.76E-04	3.28E+04	2.98E-04
72	0.7480	188	50.00	50000	3.91E-02	3.91E+01	2.43E-01	2.43E-04	5.00E+04	2.30E-02		225	25.99	25987	8.89E-04	8.89E-01	3.18E-01	3.18E-04	2.60E+04	2.83E-04
73	0.7440	145	34.45	34452	4.63E-04	4.63E-01	2.51E-01	2.51E-04	3.45E+04	1.69E-04		86	32.79	32786	9.02E-04	9.02E-01	1.70E-01	1.70E-04	3.28E+04	2.52E-04
74	0.7400	105	50.00	50000	1.94E-02	1.94E+01	2.53E-01	2.53E-04	5.00E+04	1.14E-02		4	25.61	25612	9.06E-04	9.06E-01	3.74E-01	3.74E-04	2.56E+04	3.01E-04
75	0.7360	111	35.63	35629	1.63E-03	1.63E+00	2.53E-01	2.53E-04	3.56E+04	5.14E-04		32	35.63	35629	9.16E-04	9.16E-01	4.28E-01	4.28E-04	3.56E+04	3.18E-04
76	0.7320	3	42.41	42405	1.76E-02	1.76E+01	2.60E-01	2.60E-04	4.24E+04	1.03E-02		241	25.99	25987	9.26E-04	9.26E-01	5.59E-01	5.59E-04	2.60E+04	3.53E-04
77	0.7280	43	22.60	22603	7.53E-04	7.53E-01	2.62E-01	2.62E-04	2.26E+04	2.38E-04		234	35.63	35629	9.45E-04	9.45E-01	5.16E-01	5.16E-04	3.45E+04	3.48E-04
78	0.7240	136	30.74	30736	1.10E-03	1.10E+00	2.63E-01	2.63E-04	3.07E+04	3.18E-04		238	29.32	29319	9.45E-04	9.45E-01	3.79E-01	3.79E-04	2.26E+04	3.77E-04
79	0.7200	58	29.32	29319	6.64E-04	6.64E-01	2.64E-01	2.64E-04	2.89E+04	2.20E-04		27	12.49	12493	9.48E-04	9.48E-01	5.41E-01	5.41E-04	1.08E+04	3.94E-04
80	0.7160	106	37.50	37500	7.69E-04	7.69E-01	2.65E-01	2.65E-04	3.62E+04	2.55E-04		236	36.24	36238	9.51E-04	9.51E-01	2.43E-01	2.43E-04	2.93E+04	3.27E-04
81	0.7120	205	22.60	22603	9.63E-04	9.63E-01	2.68E-01	2.68E-04	2.26E+04	3.01E-04		96	38.82	38821	9.53E-04	9.53E-01	3.03E-01	3.03E-04	3.88E+04	2.94E-04
82	0.7080	84	39.51	39505	5.85E-04	5.85E-01	2.70E-01	2.70E-04	3.95E+04	2.05E-04		135	12.49	12493	9.54E-04	9.54E-01	8.80E-01	8.80E-04	1.25E+04	4.50E-04
83	0.7040	235	29.32	29319	8.44E-04	8.44E-01	2.71E-01	2.71E-04	2.26E+04	2.98E-04		205	22.60	22603	9.63E-04	9.63E-01	2.68E-01	2.68E-04	2.26E+04	3.01E-04
84	0.7000	185	25.61	25612	5.90E-04	5.90E-01	2.72E-01	2.72E-04	2.42E+04	2.08E-04		163	19.23	19226	9.75E-04	9.75E-01	4.76E-01	4.76E-04	1.58E+04	3.83E-04
85	0.6960	65	47.29	47291	1.53E-01	1.53E+02	2.80E-01	2.80E-04	4.73E+04	9.02E-02		181	12.49	12493	9.87E-04	9.87E-01	8.47E-01	8.47E-04	1.25E+04	4.50E-04
86	0.6920	177	31.23	31231	6.97E-04	6.97E-01	2.82E-01	2.82E-04	3.07E+04	2.32E-04		70	38.82	38821	9.87E-04	9.87E-01	4.13E-01	4.13E-04	3.88E+04	3.29E-04
87	0.6880	26	30.74	30736	1.10E-03	1.10E+00	2.83E-01	2.83E-04	3.23E+04	3.40E-04		115	19.23	19226	9.94E-04	9.94E-01	3.03E-01	3.03E-04	4.56E+04	4.59E-04

3/3/00 (DR)

Enhanced Corrosion 2 of 3 Sorted

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
88	0.6840	23	12.49	12493	5.46E-04	5.46E-01	2.86E-01	2.86E-04	1.25E+04	1.97E-04		29	42.41	42405	9.96E-04	9.96E-01	2.15E-01	2.15E-04	4.24E+04	2.82E-04
89	0.6800	231	28.87	28868	7.75E-04	7.75E-01	2.87E-01	2.87E-04	2.93E+04	2.54E-04		91	50.00	50000	1.00E-03	1.00E+00	1.64E-01	1.64E-04	5.00E+04	5.27E-04
90	0.6760	216	37.50	37500	1.10E-03	1.10E+00	3.02E-01	3.02E-04	2.42E+04	3.46E-04		10	25.61	25612	1.02E-03	1.02E+00	3.91E-01	3.91E-04	2.42E+04	3.35E-04
91	0.6720	69	37.50	37500	8.03E-04	8.03E-01	3.02E-01	3.02E-04	3.75E+04	2.59E-04		123	14.19	14193	1.02E-03	1.02E+00	6.09E-01	6.09E-04	1.26E+04	4.17E-04
92	0.6680	115	19.23	19226	9.94E-04	9.94E-01	3.03E-01	3.03E-04	4.56E+04	4.59E-04		228	25.61	25612	1.03E-03	1.03E+00	4.92E-01	4.92E-04	2.42E+04	3.63E-04
93	0.6640	96	38.82	38821	9.53E-04	9.53E-01	3.03E-01	3.03E-04	3.88E+04	2.94E-04		22	21.18	21183	1.04E-03	1.04E+00	3.34E-01	3.34E-04	2.12E+04	3.19E-04
94	0.6600	175	25.99	25987	7.27E-04	7.27E-01	3.09E-01	3.09E-04	2.60E+04	2.44E-04		90	28.87	28868	1.04E-03	1.04E+00	6.71E-01	6.71E-04	2.76E+04	4.10E-04
95	0.6560	8	27.58	27576	1.05E-03	1.05E+00	3.09E-01	3.09E-04	2.76E+04	3.21E-04		8	27.58	27576	1.05E-03	1.05E+00	3.09E-01	3.09E-04	2.76E+04	3.21E-04
96	0.6520	159	36.24	36238	6.28E-02	6.28E+01	3.11E-01	3.11E-04	3.62E+04	3.70E-02		171	47.29	47291	1.05E-03	1.05E+00	2.14E-01	2.14E-04	4.73E+04	2.94E-04
97	0.6480	237	24.20	24197	8.23E-04	8.23E-01	3.11E-01	3.11E-04	2.42E+04	2.67E-04		243	22.60	22603	1.05E-03	1.05E+00	4.05E-01	4.05E-04	1.66E+04	3.93E-04
98	0.6440	88	20.92	20918	6.68E-02	6.68E+01	3.15E-01	3.15E-04	2.09E+04	3.93E-02		150	12.49	12493	1.06E-03	1.06E+00	6.52E-01	6.52E-04	1.25E+04	4.09E-04
99	0.6400	25	50.00	50000	5.96E-04	5.96E-01	3.17E-01	3.17E-04	4.82E+04	2.28E-04		44	20.92	20918	1.07E-03	1.07E+00	4.80E-01	4.80E-04	2.09E+04	3.66E-04
100	0.6360	225	25.99	25987	8.89E-04	8.89E-01	3.18E-01	3.18E-04	2.60E+04	2.83E-04		26	30.74	30736	1.10E-03	1.10E+00	2.83E-01	2.83E-04	3.23E+04	3.40E-04
101	0.6320	148	38.82	38821	4.83E-04	4.83E-01	3.31E-01	3.31E-04	3.75E+04	1.98E-04		136	30.74	30736	1.10E-03	1.10E+00	2.63E-01	2.63E-04	3.07E+04	3.18E-04
102	0.6280	64	32.79	32786	1.39E-03	1.39E+00	3.32E-01	3.32E-04	2.56E+04	4.25E-04		216	37.50	37500	1.10E-03	1.10E+00	3.02E-01	3.02E-04	2.42E+04	3.46E-04
103	0.6240	22	21.18	21183	1.04E-03	1.04E+00	3.34E-01	3.34E-04	2.12E+04	3.19E-04		176	32.26	32255	1.11E-03	1.11E+00	6.07E-01	6.07E-04	3.12E+04	4.27E-04
104	0.6200	183	22.31	22306	7.96E-04	7.96E-01	3.34E-01	3.34E-04	2.09E+04	2.83E-04		36	19.23	19226	1.11E-03	1.11E+00	4.67E-01	4.67E-04	2.07E+04	3.73E-04
105	0.6160	77	29.32	29319	8.02E-04	8.02E-01	3.35E-01	3.35E-04	2.93E+04	2.67E-04		46	20.92	20918	1.12E-03	1.12E+00	4.21E-01	4.21E-04	2.09E+04	3.62E-04
106	0.6120	18	50.00	50000	7.47E-04	7.47E-01	3.35E-01	3.35E-04	5.00E+04	2.56E-04		54	34.45	34452	1.14E-03	1.14E+00	5.96E-01	5.96E-04	3.45E+04	4.11E-04
107	0.6080	178	27.58	27576	1.26E-03	1.26E+00	3.38E-01	3.38E-04	2.76E+04	3.74E-04		210	32.26	32255	1.14E-03	1.14E+00	3.38E-01	3.38E-04	3.23E+04	3.52E-04
108	0.6040	210	32.26	32255	1.14E-03	1.14E+00	3.38E-01	3.38E-04	3.23E+04	3.52E-04		240	19.23	19226	1.14E-03	1.14E+00	4.68E-01	4.68E-04	1.92E+04	3.79E-04
109	0.6000	110	37.50	37500	1.15E-03	1.15E+00	3.39E-01	3.39E-04	2.76E+04	3.95E-04		110	37.50	37500	1.15E-03	1.15E+00	3.39E-01	3.39E-04	2.76E+04	3.95E-04
110	0.5960	207	24.20	24197	1.30E-03	1.30E+00	3.45E-01	3.45E-04	2.39E+04	3.86E-04		40	19.23	19226	1.17E-03	1.17E+00	4.16E-01	4.16E-04	1.92E+04	3.72E-04
111	0.5920	204	40.92	40922	7.32E-04	7.32E-01	3.47E-01	3.47E-04	4.09E+04	2.56E-04		98	19.45	19451	1.18E-03	1.18E+00	4.08E-01	4.08E-04	1.95E+04	3.84E-04
112	0.5880	79	50.00	50000	6.73E-02	6.73E+01	3.54E-01	3.54E-04	5.00E+04	3.97E-02		95	29.32	29319	1.22E-03	1.22E+00	5.65E-01	5.65E-04	2.93E+04	4.20E-04
113	0.5840	154	36.24	36238	3.28E-03	3.28E+00	3.56E-01	3.56E-04	5.00E+04	1.83E-03		187	19.01	19006	1.24E-03	1.24E+00	7.21E-01	7.21E-04	1.74E+04	5.13E-04
114	0.5800	100	20.41	20406	1.33E-03	1.33E+00	3.56E-01	3.56E-04	2.04E+04	4.07E-04		178	27.58	27576	1.26E-03	1.26E+00	3.38E-01	3.38E-04	2.76E+04	3.74E-04
115	0.5760	220	12.49	12493	6.58E-04	6.58E-01	3.60E-01	3.60E-04	1.15E+04	2.49E-04		109	32.26	32255	1.27E-03	1.27E+00	5.11E-01	5.11E-04	3.23E+04	4.20E-04
116	0.5720	4	25.61	25612	9.06E-04	9.06E-01	3.74E-01	3.74E-04	2.56E+04	3.01E-04		207	24.20	24197	1.30E-03	1.30E+00	3.45E-01	3.45E-04	2.39E+04	3.86E-04
117	0.5680	182	32.79	32786	1.38E-03	1.38E+00	3.74E-01	3.74E-04	2.09E+04	4.34E-04		35	15.80	15803	1.31E-03	1.31E+00	6.26E-01	6.26E-04	1.58E+04	4.79E-04
118	0.5640	56	32.26	32255	8.89E-04	8.89E-01	3.76E-01	3.76E-04	3.28E+04	2.98E-04		93	25.99	25987	1.31E-03	1.31E+00	4.22E-01	4.22E-04	2.56E+04	4.07E-04
119	0.5600	238	29.32	29319	9.45E-04	9.45E-01	3.79E-01	3.79E-04	2.26E+04	3.77E-04		72	48.17	48173	1.32E-03	1.32E+00	4.53E-01	4.53E-04	4.91E+04	4.21E-04
120	0.5560	83	36.24	36238	5.14E-02	5.14E+01	3.89E-01	3.89E-04	3.62E+04	3.02E-02		134	14.09	14088	1.32E-03	1.32E+00	6.95E-01	6.95E-04	1.31E+04	4.96E-04
121	0.5520	55	43.96	43959	6.51E-04	6.51E-01	3.90E-01	3.90E-04	4.32E+04	2.50E-04		2	42.41	42405	1.32E-03	1.32E+00	5.58E-01	5.58E-04	4.24E+04	4.40E-04
122	0.5480	211	27.58	27576	8.35E-04	8.35E-01	3.91E-01	3.91E-04	2.76E+04	2.89E-04		100	20.41	20406	1.33E-03	1.33E+00	3.56E-01	3.56E-04	2.04E+04	4.07E-04
123	0.5440	10	25.61	25612	1.02E-03	1.02E+00	3.91E-01	3.91E-04	2.42E+04	3.35E-04		117	24.20	24197	1.36E-03	1.36E+00	5.67E-01	5.67E-04	1.97E+04	5.18E-04
124	0.5400	102	29.32	29319	7.90E-04	7.90E-01	3.98E-01	3.98E-04	2.93E+04	2.82E-04		124	10.40	10396	1.36E-03	1.36E+00	1.08E+00	1.08E-03	1.04E+04	5.85E-04
125	0.5360	245	50.00	50000	4.99E-02	4.99E+01	4.03E-01	4.03E-04	5.00E+04	2.94E-02		157	24.20	24197	1.37E-03	1.37E+00	5.65E-01	5.65E-04	2.42E+04	4.56E-04
126	0.5320	243	22.60	22603	1.05E-03	1.05E+00	4.05E-01	4.05E-04	1.66E+04	3.93E-04		182	32.79	32786	1.38E-03	1.38E+00	3.74E-01	3.74E-04	2.09E+04	4.34E-04
127	0.5280	98	19.45	19451	1.18E-03	1.18E+00	4.08E-01	4.08E-04	1.95E+04	3.84E-04		31	30.74	30736	1.38E-03	1.38E+00	6.02E-01	6.02E-04	3.07E+04	4.69E-04
128	0.5240	142	12.92	12923	7.58E-04	7.58E-01	4.09E-01	4.09E-04	1.29E+04	2.77E-04		64	32.79	32786	1.39E-03	1.39E+00	3.32E-01	3.32E-04	2.56E+04	4.25E-04
129	0.5200	70	38.82	38821	9.87E-04	9.87E-01	4.13E-01	4.13E-04	3.88E+04	3.29E-04		209	27.58	27576	1.42E-03	1.42E+00	4.88E-01	4.88E-04	2.76E+04	4.46E-04
130	0.5160	40	19.23	19226	1.17E-03	1.17E+00	4.16E-01	4.16E-04	1.92E+04	3.72E-04		87	22.60	22603	1.43E-03	1.43E+00	5.50E-01	5.50E-04	2.26E+04	4.63E-04
131	0.5120	46	20.92	20918	1.12E-03	1.12E+00	4.21E-01	4.21E-04	2.09E+04	3.62E-04		116	27.58	27576	1.44E-03	1.44E+00	5.38E-01	5.38E-04	2.42E+04	4.77E-04
132	0.5080	93	25.99	25987	1.31E-03	1.31E+00	4.22E-01	4.22E-04	2.56E+04	4.07E-04		206	15.80	15803	1.48E-03	1.48E+00	1.13E+00	1.13E-03	1.42E+04	6.52E-04
133	0.5040	32	35.63	35629	9.16E-04	9.16E-01	4.28E-01	4.28E-04	3.56E+04	3.18E-04		230	19.23	19226	1.48E-03	1.48E+00	1.10E+00	1.10E-03	1.92E+04	6.19E-04
134	0.5000	6	12.49	12493	7.60E-04	7.60E-01	4.48E-01	4.48E-04	1.08E+04	3.01E-04		80	12.49	12493	1.50E-03	1.50E+00	6.79E-01	6.79E-04	1.05E+04	5.57E-04
135	0.4960	72	48.17	48173	1.32E-03	1.32E+00	4.53E-01	4.53E-04	4.91E+04	4.21E-04		213	18.58	18581	1.51E-03	1.51E+00	5.36E-01	5.36E-04	1.86E+04	4.78E-04
136	0.4920	66	40.92	40922	1.51E-03	1.51E+00	4.64E-01	4.64E-04	2.93E+04	4.92E-04		101	17.42	17417	1.51E-03	1.51E+00	9.89E-01	9.89E-04	1.72E+04	6.15E-04
137	0.4880	36	19.23	19226	1.11E-03	1.11E+00	4.67E-01	4.67E-04	2.07E+04	3.73E-04		66	40.92	40922	1.51E-03	1.51E+00	4.64E-01	4.64E-04	2.93E+04	4.92E-04
138	0.4840	240	19.23	19226	1.14E-03	1.14E+00	4.68E-01	4.68E-04	1.92E+04	3.79E-04		75	27.58	27576	1.53E-03	1.53E+00	4.87E-01	4.87E-04	2.76E+04	4.71E-04
139	0.4800	163	19.23	19226	9.75E-04	9.75E-01	4.76E-01	4.76E-04	1.58E+04	3.83E-04		112	13.16	13162	1.54E-03	1.54E+00	7.66E-01	7.66E-04	1.25E+04	5.54E-04
140	0.4760	133	50.00	50000	4.53E-02	4.53E+01	4.76E-01	4.76E-04	5.00E+04	2.66E-02		179	15.80	15803	1.55E-03	1.55E+00	6.98E-01	6.98E-04	1.58E+04	5.30E-04
141	0.4720	44	20.92	20918	1.07E-03	1.07E+00	4.80E-01	4.80E-04	2.09E+04	3.66E-04		30	24.20	24197	1.56E-03	1.56E+00	8.52E-01	8.52E-04	2.42E+04	5.72E-04
142	0.4680	19	19.23	19226	1.64E-03	1.64E+00	4.82E-01	4.82E-04	1.19E+04	7.49E-04		192	22.60	22603	1.59E-03	1.59E+00	6.25E-01	6.25E-04	2.26E+04	5.19E-04
143	0.4640	75	27.58	27576	1.53E-03	1.53E+00	4.87E-01	4.87E-04	2.76E+04	4.71E-04		128	25.61	25612	1.62E-03	1.62E+00	7.68E-01	7.68E-04	2.56E+04	5.63E-04
144	0.4600	209	27.58	27576	1.42E-03	1.42E+00	4.88E-01	4.88E-04	2.76E+04	4.46E-04		111	35.63	35629	1.63E-03	1.63E+00	2.53E-01	2.53E-04	3.56E+04	5.14E-04
145	0.4560	228	25.61	25612	1.03E-03	1.03E+00	4.92E-01	4.92E-04	2.42E+04	3.63E-04		19	19.23	19226	1.64E-03	1.64E+00	4.82E-01	4.82E-04	1.19E+04	7.49E-04
146	0.4520	193	45.59	45586	1.84E-03	1.84E+00	5.11E-01	5.11E-04	4.56E+04	5.49E-04		147	29.32	29319	1.64E-03	1.64E+00	7.44E-01	7.44E-04	2.93E+04	5.79E-04
147	0.4480	109	32.26	32255	1.27E-03	1.27E+00	5.11E-01	5.11E-04	3.23E+04	4.20E-04		162	27.17	27165	1.64E-03	1.64E+00	5.15E-01	5.15E-04	2.72E+04	5.02E-04
148	0.4440	162	27.17	27165	1.64E-03	1.64E+00	5.15E-01	5.15E-04	2.72E+04	5.02E-04		103	24.20	24197	1.66E-03	1.66E+00	5.60E-01	5.60E-04	2.42E+04	5.20E-04
149	0.4400	234	35.63	35629	9.45E-04	9.45E-01	5.16E-01	5.16E-04	3.45E+04	3.48E-04		219	12.49	12493	1.70E-03	1.70E+00	9.70E-01	9.70E-04	1.25E+04	6.35E-04
150	0.4360	213	18.58	18581	1.51E-03	1.51E+00	5.36E-01	5.36E-04	1.86E+04	4.78E-04		28	12.49	12493	1.70E-03	1.70E+00	9.07E-01	9.07E-04	1.25E+04	6.19E-04
151	0.4320	116	27.58	27576	1.44E-03	1.44E+00	5.38E-01	5.38E-04	2.42E+04	4.77E-04		107	22.60	22603	1.71E-03	1.71E+00	8.98E-01	8.98E-04	2.26E+04	6.19E-04
152	0.4280	27	12.49	12493	9.48E-04	9.48E-01	5.41E-01	5.41E-04	1.08E+04	3.94E-04		114	24.20	24197	1.73E-03	1.73E+00	6.95E-01	6.95E-04	2.42E+04	5.72E-04
153	0.4240	156	38.82	38821	1.84E-03	1.84E+00	5.44E-01	5.44E-04	3.07E+04	6.39E-04		9	24.20	24197	1.73E-03	1.73E+00	6.24E-01	6.24E-04	2.42E+04	5.55E-04
154	0.4200	87	22.60	22603	1.43E-03	1.43E+00	5.50E-01	5.50E-04	2.26E+04	4.63E-04		59	18.79	18791	1.73E-03	1.73E+00	1.05E+00	1.05E-03	1.76E+04	6.73E-04
155	0.4160	2	42.41	42405	1.32E-03	1.32E+00	5.58E-01	5.58E-04	4.24E+04	4.40E-04		129	24.20	24197	1.73E-03	1.73E+00	1.14E+00	1.14E-03	2.42E+04	6.87E-04
156	0.4120	241	25.99	25987	9.26E-04	9.26E-01	5.59E-01	5.59E-04	2.60E+04	3.53E-04		191	12.49	12493	1.74E-03	1.74E+00	1.05E+00	1.05E-03	1.25E+04	6.66E-04
157	0.4080	103	24.20	24197	1.66E-03	1.66E+00	5.60E-01	5.60E-04	2.42E+04	5.20E-04		229	33.88	33884	1.75E-03	1.75E+00	5.68E-01	5.68E-04	3.39E+04	5.48E-04
158	0.4040	95	29.32	29319	1.22E-03	1.22E+00	5.65E-01	5.65E-04	2.93E+04	4.20E-04		199	14.52	14523	1.77E-03	1.77E+00	9.87E-01	9.87E-04	1.45E+04	6.57E-04
159	0.4000	157	24.20	24197	1.37E-03	1.37E+00	5.65E-01	5.65E-04	2.42E+04	4.56E-04		12	32.26	32255	1.79E-03	1.79E+00	6.69E-01	6.69E-04	3.23E+04	5.76E-04
160	0.3960	94	22.60	22603	8.73E-04	8.73E-01	5.66E-01	5.66E-04	2.26E+04	3.43E-04		221	12.49	12493	1.80E-03	1.80E+00	1.03E+00	1.03E-03	1.25E+04	6.75E-04
161	0.3920	117	24.20	24197	1.36E-03	1.36E+00	5.67E-01	5.67E-04	1.97E+04	5.18E-04		222	20.92	20918	1.83E-03	1.83E+00	1.08E+00	1.08E-03	2.07E+04	6.93E-04
162	0.3880	229	33.88	33884	1.75E-03	1.75E+00	5.68E-01	5.68E-04	3.39E+04	5.48E-04		155	32.79	32786	1.84E-03	1.84E+00	1.57E+00	1.57E-03	3.28E+04	8.22E-04
163	0.3840	24	20.66	20659	2.16E-03	2.16E+00	5.89E-01	5.89E-04	1.92E+04	6.51E-04		164	14.88	14876	1.84E-03	1.84E+00	1.03E+00	1.03E-03	1.42E+04	6.98E-04
164	0.3800	54	34.45	34452	1.14E-03	1.14E+00	5.96E-01	5.96E-04	3.45E+04	4.11E-04		193	45.59	45586	1.84E-03	1.84E+00	5.11E-01	5.11E-04	4.56E+04	5.49E-04
165	0.3760	31	30.74	30736	1.38E-03	1.38E+00	6.02E-01	6.02E-04	3.07E+04	4.69E-04		156	38.82	38821	1.84E-03	1.84E+00	5.44E-01	5.44E-04	3.07E+04	6.39E-04
166	0.3720	176	32.26	32255	1.11E-03	1.11E+00	6.07E-01	6.07E-04	3.12E+04	4.27E-04		201	17.60	17600	1.85E-03	1.85E+00	1.45E+00	1.45E-03	1.76E+04	7.94E-04
167	0.3680	123	14.19	14193	1.02E-03	1.02E+00	6.09E-01	6.09E-04	1.26E+04	4.17E-04		233	13.79	13787	1.85E-03	1.85E+00	1.79E+00	1.79E-03	1.38E+04	8.81E-04
168	0.3640	34	50.00	50000	8.91E-02	8.91E+01	6.16E-01	6.16E-04	5.00E+04	5.24E-02		200	20.92	20918	1.86E-03	1.86E+00	1.55E+00	1.55E-03	2.09E+04	8.20E-04
169	0.3600	9	24.20	24197	1.73E-03	1.73E+00	6.24E-01	6.24E-04	2.42E+04	5.55E-04		42	9.77	9769	1.87E-03	1.87E+00	8.91E-01	8.91E-04	9.32E+03	6.70E-04
170	0.3560	192	22.60	22603	1.59E-03	1.59E+00	6.25E-01	6.25E-04	2.26E+04	5.19E-04		165	10.83	10832	1.92E-03	1.92E+00	9.60E-01	9.60E-04	1.08E+04	7.01E-04
171	0.3520	35	15.80	15803	1.31E-03	1.31E+00	6.26E-01	6.26E-04	1.58E+04	4.79E-04		232	22.60	22603	1.93E-03	1.93E+00	1.23E+00	1.23E-03	2.26E+04	7.83E-04
172	0.3480	150	12.49	12493	1.06E-03	1.06E+00	6.52E-01	6.52E-04	1.25E+04	4.09E-04		68	17.60	17600	1.93E-03	1.93E+00	1.63E+00	1.63E-03	1.74E+04	8.58E-04
173	0.3440	12	32.26	32255	1.79E-03	1.79E+00	6.69E-01	6.69E-04	3.23E+04	5.76E-04		63	9.11	9107	1.94E-03	1.94E+00	9.47E-01	9.47E-04	9.11E+03	6.89E-04
174	0.3400	90	28.87	28868	1.04E-03	1.04E+00	6.71E-01	6.71E-04	2.76E+04	4.10E-04		14	14.19	14193	2.01E-03	2.01E+00	1.05E+00	1.05E-03	1.42E+04	7.26E-04

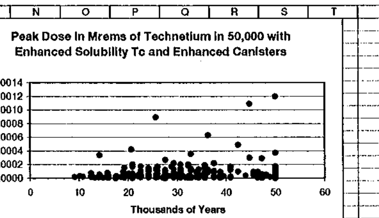
3/3/00 DBS

Enhanced Corrosion - Sorted 3 of 3

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
175	0.3360	49	15.95	15948	8.58E-04	8.58E-01	6.74E-01	6.74E-04	1.58E+04	3.85E-04		37	25.61	25612	2.02E-03	2.02E+00	7.13E-01	7.13E-04	2.15E+04	6.55E-04
176	0.3320	80	12.49	12493	1.50E-03	1.50E+00	6.79E-01	6.79E-04	1.05E+04	5.57E-04		223	17.60	17600	2.10E-03	2.10E+00	9.24E-01	9.24E-04	1.25E+04	1.00E-03
177	0.3280	134	14.09	14088	1.32E-03	1.32E+00	6.95E-01	6.95E-04	1.31E+04	4.96E-04		197	20.92	20918	2.10E-03	2.10E+00	8.30E-01	8.30E-04	2.09E+04	6.87E-04
178	0.3240	114	24.20	24197	1.73E-03	1.73E+00	6.95E-01	6.95E-04	2.42E+04	5.72E-04		89	12.49	12493	2.11E-03	2.11E+00	1.18E+00	1.18E-03	1.22E+04	8.10E-04
179	0.3200	179	15.80	15803	1.55E-03	1.55E+00	6.98E-01	6.98E-04	1.58E+04	5.30E-04		38	17.42	17417	2.15E-03	2.15E+00	1.36E+00	1.36E-03	1.58E+04	8.65E-04
180	0.3160	37	25.61	25612	2.02E-03	2.02E+00	7.13E-01	7.13E-04	2.15E+04	6.55E-04		62	50.00	50000	2.15E-03	2.15E+00	1.14E-01	1.14E-04	5.00E+04	1.23E-03
181	0.3120	187	19.01	19006	1.24E-03	1.24E+00	7.21E-01	7.21E-04	1.74E+04	5.13E-04		74	15.80	15803	2.16E-03	2.16E+00	8.11E-01	8.11E-04	1.26E+04	7.66E-04
182	0.3080	120	20.16	20159	2.38E-03	2.38E+00	7.24E-01	7.24E-04	2.26E+04	7.63E-04		24	20.66	20659	2.16E-03	2.16E+00	5.89E-01	5.89E-04	1.92E+04	6.51E-04
183	0.3040	147	29.32	29319	1.64E-03	1.64E+00	7.44E-01	7.44E-04	2.93E+04	5.79E-04		15	15.80	15803	2.18E-03	2.18E+00	1.11E+00	1.11E-03	1.58E+04	7.81E-04
184	0.3000	112	13.16	13162	1.54E-03	1.54E+00	7.66E-01	7.66E-04	1.25E+04	5.54E-04		21	12.49	12493	2.18E-03	2.18E+00	1.71E+00	1.71E-03	1.25E+04	9.36E-04
185	0.2960	128	25.61	25612	1.62E-03	1.62E+00	7.68E-01	7.68E-04	2.56E+04	5.63E-04		60	12.56	12561	2.26E-03	2.26E+00	1.64E+00	1.64E-03	1.25E+04	9.36E-04
186	0.2920	174	29.78	29780	2.28E-03	2.28E+00	7.87E-01	7.87E-04	2.98E+04	7.19E-04		218	19.23	19226	2.27E-03	2.27E+00	1.57E+00	1.57E-03	1.92E+04	9.23E-04
187	0.2880	74	15.80	15803	2.16E-03	2.16E+00	8.11E-01	8.11E-04	1.26E+04	7.66E-04		215	12.49	12493	2.28E-03	2.28E+00	1.23E+00	1.23E-03	1.25E+04	8.32E-04
188	0.2840	197	20.92	20918	2.10E-03	2.10E+00	8.30E-01	8.30E-04	2.09E+04	6.87E-04		196	19.01	19006	2.28E-03	2.28E+00	1.06E+00	1.06E-03	1.69E+04	8.70E-04
189	0.2800	181	12.49	12493	9.87E-04	9.87E-01	8.47E-01	8.47E-04	1.25E+04	4.50E-04		174	29.78	29780	2.28E-03	2.28E+00	7.87E-01	7.87E-04	2.98E+04	7.19E-04
190	0.2760	30	24.20	24197	1.56E-03	1.56E+00	8.52E-01	8.52E-04	2.42E+04	5.72E-04		5	27.58	27576	2.29E-03	2.29E+00	8.94E-01	8.94E-04	2.76E+04	7.50E-04
191	0.2720	135	12.49	12493	9.54E-04	9.54E-01	8.80E-01	8.80E-04	1.25E+04	4.50E-04		78	29.32	29319	2.36E-03	2.36E+00	1.05E+00	1.05E-03	2.93E+04	8.05E-04
192	0.2680	42	9.77	9769	1.87E-03	1.87E+00	8.91E-01	8.91E-04	9.32E+03	6.70E-04		99	14.19	14193	2.37E-03	2.37E+00	1.79E+00	1.79E-03	1.42E+04	9.99E-04
193	0.2640	5	27.58	27576	2.29E-03	2.29E+00	8.94E-01	8.94E-04	2.76E+04	7.50E-04		120	20.16	20159	2.38E-03	2.38E+00	7.24E-01	7.24E-04	2.26E+04	7.63E-04
194	0.2600	107	22.60	22603	1.71E-03	1.71E+00	8.98E-01	8.98E-04	2.26E+04	6.19E-04		167	14.09	14088	2.50E-03	2.50E+00	1.05E+00	1.05E-03	1.25E+04	8.95E-04
195	0.2560	28	12.49	12493	1.70E-03	1.70E+00	9.07E-01	9.07E-04	1.25E+04	6.19E-04		13	14.19	14193	2.56E-03	2.56E+00	9.95E-01	9.95E-04	9.32E+03	9.80E-04
196	0.2520	223	17.60	17600	2.10E-03	2.10E+00	9.24E-01	9.24E-04	1.25E+04	1.00E-03		61	14.19	14193	2.57E-03	2.57E+00	1.41E+00	1.41E-03	1.42E+04	9.47E-04
197	0.2480	63	9.11	9107	1.94E-03	1.94E+00	9.47E-01	9.47E-04	9.11E+03	6.89E-04		33	19.68	19682	2.62E-03	2.62E+00	1.68E+00	1.68E-03	1.92E+04	1.03E-03
198	0.2440	165	10.83	10832	1.92E-03	1.92E+00	9.60E-01	9.60E-04	1.08E+04	7.01E-04		126	14.19	14193	2.62E-03	2.62E+00	2.43E+00	2.43E-03	1.42E+04	1.22E-03
199	0.2400	219	12.49	12493	1.70E-03	1.70E+00	9.70E-01	9.70E-04	1.25E+04	6.35E-04		131	12.49	12493	2.63E-03	2.63E+00	1.64E+00	1.64E-03	1.25E+04	1.02E-03
200	0.2360	199	14.52	14523	1.77E-03	1.77E+00	9.87E-01	9.87E-04	1.45E+04	6.57E-04		132	50.00	50000	2.64E-03	2.64E+00	1.92E-01	1.92E-04	5.00E+04	1.48E-03
201	0.2320	101	17.42	17417	1.51E-03	1.51E+00	9.89E-01	9.89E-04	1.72E+04	6.15E-04		170	25.61	25612	2.67E-03	2.67E+00	1.09E+00	1.09E-03	2.09E+04	9.10E-04
202	0.2280	13	14.19	14193	2.56E-03	2.56E+00	9.95E-01	9.95E-04	9.32E+03	9.80E-04		85	17.42	17417	2.75E-03	2.75E+00	1.85E+00	1.85E-03	1.69E+04	1.14E-03
203	0.2240	221	12.49	12493	1.80E-03	1.80E+00	1.03E+00	1.03E-03	1.25E+04	6.75E-04		172	15.95	15948	2.82E-03	2.82E+00	1.80E+00	1.80E-03	1.58E+04	1.11E-03
204	0.2200	164	14.88	14876	1.84E-03	1.84E+00	1.03E+00	1.03E-03	1.42E+04	6.98E-04		161	20.92	20918	2.86E-03	2.86E+00	1.85E+00	1.85E-03	2.09E+04	1.13E-03
205	0.2160	78	29.32	29319	2.36E-03	2.36E+00	1.05E+00	1.05E-03	2.93E+04	8.05E-04		184	15.80	15803	2.90E-03	2.90E+00	1.87E+00	1.87E-03	1.59E+04	1.14E-03
206	0.2120	14	14.19	14193	2.01E-03	2.01E+00	1.05E+00	1.05E-03	1.42E+04	7.26E-04		53	20.92	20918	2.91E-03	2.91E+00	1.85E+00	1.85E-03	2.09E+04	1.14E-03
207	0.2080	59	18.79	18791	1.73E-03	1.73E+00	1.05E+00	1.05E-03	1.76E+04	6.73E-04		81	17.60	17600	2.92E-03	2.92E+00	1.98E+00	1.98E-03	1.74E+04	1.18E-03
208	0.2040	167	14.09	14088	2.50E-03	2.50E+00	1.05E+00	1.05E-03	1.25E+04	8.95E-04		118	14.19	14193	2.98E-03	2.98E+00	1.44E+00	1.44E-03	1.42E+04	1.08E-03
209	0.2000	191	12.49	12493	1.74E-03	1.74E+00	1.05E+00	1.05E-03	1.25E+04	6.66E-04		208	12.49	12493	3.06E-03	3.06E+00	1.51E+00	1.51E-03	1.25E+04	1.08E-03
210	0.1960	196	19.01	19006	2.28E-03	2.28E+00	1.06E+00	1.06E-03	1.69E+04	8.70E-04		140	15.80	15803	3.21E-03	3.21E+00	1.30E+00	1.30E-03	1.42E+04	1.18E-03
211	0.1920	124	10.40	10396	1.36E-03	1.36E+00	1.08E+00	1.08E-03	1.04E+04	5.85E-04		127	15.80	15803	3.21E-03	3.21E+00	2.53E+00	2.53E-03	1.58E+04	1.38E-03
212	0.1880	222	20.92	20918	1.83E-03	1.83E+00	1.08E+00	1.08E-03	2.07E+04	6.93E-04		76	15.80	15803	3.24E-03	3.24E+00	2.42E+00	2.42E-03	1.58E+04	1.36E-03
213	0.1840	170	25.61	25612	2.67E-03	2.67E+00	1.09E+00	1.09E-03	2.09E+04	9.10E-04		154	36.24	36238	3.28E-03	3.28E+00	3.56E-01	3.56E-04	5.00E+04	1.83E-03
214	0.1800	230	19.23	19226	1.48E-03	1.48E+00	1.10E+00	1.10E-03	1.92E+04	6.19E-04		190	12.49	12493	3.31E-03	3.31E+00	2.03E+00	2.03E-03	1.25E+04	1.27E-03
215	0.1760	15	15.80	15803	2.18E-03	2.18E+00	1.11E+00	1.11E-03	1.58E+04	7.81E-04		166	17.60	17600	3.41E-03	3.41E+00	3.06E+00	3.06E-03	1.76E+04	1.60E-03
216	0.1720	206	15.80	15803	1.48E-03	1.48E+00	1.13E+00	1.13E-03	1.42E+04	6.52E-04		141	12.49	12493	3.43E-03	3.43E+00	2.47E+00	2.47E-03	1.25E+04	1.41E-03
217	0.1680	129	24.20	24197	1.73E-03	1.73E+00	1.14E+00	1.14E-03	2.42E+04	6.87E-04		130	19.01	19006	3.44E-03	3.44E+00	2.57E+00	2.57E-03	1.76E+04	1.52E-03
218	0.1640	89	12.49	12493	2.11E-03	2.11E+00	1.18E+00	1.18E-03	1.22E+04	8.10E-04		226	17.60	17600	3.83E-03	3.83E+00	2.91E+00	2.91E-03	1.76E+04	1.62E-03
219	0.1600	215	12.49	12493	2.28E-03	2.28E+00	1.23E+00	1.23E-03	1.25E+04	8.32E-04		41	37.50	37500	3.86E-03	3.86E+00	2.00E-01	2.00E-04	3.75E+04	2.18E-03
220	0.1560	232	22.60	22603	1.93E-03	1.93E+00	1.23E+00	1.23E-03	2.26E+04	7.83E-04		152	19.23	19226	3.89E-03	3.89E+00	2.58E+00	2.58E-03	1.90E+04	1.56E-03
221	0.1520	140	15.80	15803	3.21E-03	3.21E+00	1.30E+00	1.30E-03	1.42E+04	1.18E-03		151	15.80	15803	3.93E-03	3.93E+00	2.64E+00	2.64E-03	1.58E+04	1.57E-03
222	0.1480	38	17.42	17417	2.15E-03	2.15E+00	1.36E+00	1.36E-03	1.58E+04	8.65E-04		217	50.00	50000	4.07E-03	4.07E+00	1.81E-01	1.81E-04	5.00E+04	2.34E-03
223	0.1440	61	14.19	14193	2.57E-03	2.57E+00	1.41E+00	1.41E-03	1.42E+04	9.47E-04		246	50.00	50000	4.20E-03	4.20E+00	2.42E-01	2.42E-04	5.00E+04	2.39E-03
224	0.1400	118	14.19	14193	2.98E-03	2.98E+00	1.44E+00	1.44E-03	1.42E+04	1.08E-03		244	12.49	12493	4.33E-03	4.33E+00	2.80E+00	2.80E-03	1.25E+04	1.70E-03
225	0.1360	201	17.60	17600	1.85E-03	1.85E+00	1.45E+00	1.45E-03	1.76E+04	7.94E-04		143	20.92	20918	4.43E-03	4.43E+00	2.41E+00	2.41E-03	2.09E+04	1.63E-03
226	0.1320	208	12.49	12493	3.06E-03	3.06E+00	1.51E+00	1.51E-03	1.25E+04	1.08E-03		239	14.19	14193	4.67E-03	4.67E+00	2.86E+00	2.86E-03	1.42E+04	1.79E-03
227	0.1280	200	20.92	20918	1.86E-03	1.86E+00	1.55E+00	1.55E-03	2.09E+04	8.20E-04		247	37.50	37500	4.69E-03	4.69E+00	1.37E-01	1.37E-04	3.75E+04	2.73E-03
228	0.1240	218	19.23	19226	2.27E-03	2.27E+00	1.57E+00	1.57E-03	1.92E+04	9.23E-04		203	50.00	50000	4.75E-03	4.75E+00	1.82E-01	1.82E-04	5.00E+04	2.74E-03
229	0.1200	155	32.79	32786	1.84E-03	1.84E+00	1.57E+00	1.57E-03	3.28E+04	8.22E-04		146	50.00	50000	5.20E-03	5.20E+00	1.78E-01	1.78E-04	5.00E+04	3.00E-03
230	0.1160	68	17.60	17600	1.93E-03	1.93E+00	1.63E+00	1.63E-03	1.74E+04	8.58E-04		71	50.00	50000	5.23E-03	5.23E+00	1.03E-01	1.03E-04	5.00E+04	3.05E-03
231	0.1120	60	12.56	12561	2.26E-03	2.26E+00	1.64E+00	1.64E-03	1.25E+04	9.36E-04		160	17.60	17600	5.66E-03	5.66E+00	4.37E+00	4.37E-03	1.74E+04	2.42E-03
232	0.1080	131	12.49	12493	2.63E-03	2.63E+00	1.64E+00	1.64E-03	1.25E+04	1.02E-03		119	17.60	17600	6.78E-03	6.78E+00	3.59E+00	3.59E-03	1.76E+04	2.46E-03
233	0.1040	33	19.68	19682	2.62E-03	2.62E+00	1.68E+00	1.68E-03	1.92E+04	1.03E-03		189	15.80	15803	7.68E-03	7.68E+00	4.63E+00	4.63E-03	1.42E+04	3.30E-03
234	0.1000	21	12.49	12493	2.18E-03	2.18E+00	1.71E+00	1.71E-03	1.25E+04	9.36E-04		250	50.00	50000	9.05E-03	9.05E+00	2.27E-01	2.27E-04	5.00E+04	5.29E-03
235	0.0960	99	14.19	14193	2.37E-03	2.37E+00	1.79E+00	1.79E-03	1.42E+04	9.99E-04		125	47.29	47291	1.09E-02	1.09E+01	1.62E-01	1.62E-04	4.73E+04	6.36E-03
236	0.0920	233	13.79	13787	1.85E-03	1.85E+00	1.79E+00	1.79E-03	1.38E+04	8.81E-04		138	50.00	50000	1.12E-02	1.12E+01	1.15E-01	1.15E-04	5.00E+04	6.57E-03
237	0.0880	172	15.95	15948	2.82E-03	2.82E+00	1.80E+00	1.80E-03	1.58E+04	1.11E-03		104	50.00	50000	1.25E-02	1.25E+01	9.28E-02	9.28E-05	5.00E+04	7.35E-03
238	0.0840	85	17.42	17417	2.75E-03	2.75E+00	1.85E+00	1.85E-03	1.69E+04	1.14E-03		73	50.00	50000	1.53E-02	1.53E+01	1.42E-01	1.42E-04	5.00E+04	8.99E-03
239	0.0800	53	20.92	20918	2.91E-03	2.91E+00	1.85E+00	1.85E-03	2.09E+04	1.14E-03		198	50.00	50000	1.58E-02	1.58E+01	1.71E-01	1.71E-04	5.00E+04	9.27E-03
240	0.0760	161	20.92	20918	2.86E-03	2.86E+00	1.85E+00	1.85E-03	2.09E+04	1.13E-03		3	42.41	42405	1.76E-02	1.76E+01	2.60E-01	2.60E-04	4.24E+04	1.03E-02
241	0.0720	184	15.80	15803	2.90E-03	2.90E+00	1.87E+00	1.87E-03	1.59E+04	1.14E-03		158	50.00	50000	1.90E-02	1.90E+01	1.33E-01	1.33E-04	5.00E+04	1.12E-02
242	0.0680	81	17.60	17600	2.92E-03	2.92E+00	1.98E+00	1.98E-03	1.74E+04	1.18E-03		105	50.00	50000	1.94E-02	1.94E+01	2.53E-01	2.53E-04	5.00E+04	1.14E-02
243	0.0640	190	12.49	12493	3.31E-03	3.31E+00	2.03E+00	2.03E-03	1.25E+04	1.27E-03		214	29.32	29319	2.17E-02	2.17E+01	1.97E-01	1.97E-04	2.93E+04	1.27E-02
244	0.0600	143	20.92	20918	4.43E-03	4.43E+00	2.41E+00	2.41E-03	2.09E+04	1.63E-03		212	50.00	50000	2.67E-02	2.67E+01	1.67E-01	1.67E-04	5.00E+04	1.57E-02
245	0.0560	76	15.80	15803	3.24E-03	3.24E+00	2.42E+00	2.42E-03	1.58E+04	1.36E-03		11	50.00	50000	2.73E-02	2.73E+01	1.27E-01	1.27E-04	5.00E+04	1.61E-02
246	0.0520	126	14.19	14193	2.62E-03	2.62E+00	2.43E+00	2.43E-03	1.42E+04	1.22E-03		108	50.00	50000	3.09E-02	3.09E+01	2.34E-01	2.34E-04	5.00E+04	1.82E-02
247	0.0480	141	12.49	12493	3.43E-03	3.43E+00	2.47E+00	2.47E-03	1.25E+04	1.41E-03		188	50.00	50000	3.91E-02	3.91E+01	2.43E-01	2.43E-04	5.00E+04	2.30E-02
248	0.0440	127	15.80	15803	3.21E-03	3.21E+00	2.53E+00	2.53E-03	1.58E+04	1.38E-03		133	50.00	50000	4.53E-02	4.53E+01	4.76E-01	4.76E-04	5.00E+04	2.66E-02
249	0.0400	130	19.01	19006	3.44E-03	3.44E+00	2.57E+00	2.57E-03	1.76E+04	1.52E-03		245	50.00	50000	4.99E-02	4.99E+01	4.03E-01	4.03E-04	5.00E+04	2.94E-02
250	0.0360	152	19.23	19226	3.89E-03	3.89E+00	2.58E+00	2.58E-03	1.90E+04	1.56E-03		83	36.24	36238	5.14E-02	5.14E+01	3.89E-01	3.89E-04	3.62E+04	3.02E-02
251	0.0320	151	15.80	15803	3.93E-03	3.93E+00	2.64E+00	2.64E-03	1.58E+04	1.57E-03		159	36.24	36238	6.28E-02	6.28E+01	3.11E-01	3.11E-04	3.62E+04	3.70E-02
252	0.0280	244	12.49	12493	4.33E-03	4.33E+00	2.80E+00	2.80E-03	1.25E+04	1.70E-03		88	20.92	20918	6.68E-02	6.68E+01	3.15E-01	3.15E-04	2.09E+04	3.93E-02
253	0.0240	239	14.19	14193	4.67E-03	4.67E+00	2.86E+00	2.86E-03	1.42E+04	1.79E-03		79	50.00	50000	6.73E-02	6.73E+01	3.54E-01	3.54E-04	5.00E+04	3.97E-02
254	0.0200	226	17.60	17600	3.83E-03	3.83E+00	2.91E+00	2.91E-03	1.76E+04	1.62E-03		122	37.50	37500	7.67E-02	7.67E+01	1.81E-01	1.81E-04	3.75E+04	4.53E-02
255	0.0160	166	17.60	17600	3.41E-03	3.41E+00	3.06E+00	3.06E-03	1.76E+04	1.60E-03		186	38.82	38821	8.18E-02	8.18E+01	1.68E-01	1.68E-04	3.88E+04	4.83E-02
256	0.0120	119	17.60	17600	6.78E-03	6.78E+00	3.59E+00	3.59E-03	1.76E+04	2.46E-03		16	50.00	50000	8.56E-02	8.56E+01	1.73E-01	1.73E-04	5.00E+04	5.05E-02
257	0.0080	160	17.60	17600	5.66E-03	5.66E+00	4.37E+00	4.37E-03	1.74E+04	2.42E-03		34	50.00	50000	8.91E-02	8.91E+01	6.16E-01	6.16E-04	5.00E+04	5.24E-02
258	0.0040	189	15.80	15803	7.68E-03	7.68E+00	4.63E+00	4.63E-03	1.42E+04	3.30E-03		65	47.29	47291	1.53E-01	1.53E+02	2.80E-01	2.80E-04	4.73E+04	9.02E-02

3/3/00 DRS

Enhanced UP Corrosion + Lower Tc solubility Unsorted 1 of 2



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
12				tpa.inp	as	supplied	with	TPA	Version	3.2.1	Code.																
13	Input		file	data	set	Rev	3.2.1	2/22/99																			
14	Base		case	PVM	capable,	Job	started:	Thu	Oct	28	14:51:59	1999															
15	TPA		3.2.3	Peak	Dose	and	Peak	Time	with	Doses																	
16	Groundwater		Total	Nuclide	at	Peak	Time	-	Values	for	Each	Vector															
17	for		Each																								
18																											
19	vector	pktime	pktime	pktede	Cm246de	U238de	Cm245de	Am241de	Np237de	Am243de	Pu239de	Pu240de	U234de	Th230de	Ra226de	Pb210de	Cs135de	I129de	Tc99de	Tc99de	Ni59de	C14de	Se79de	Nb94de	Cl36de	timedwpk	dinkh20
20	unitless	yr/1000	yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	mrem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	yr	rem/yr
21	1	34.45	34452	4.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.64E-04	4.28E-05	4.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-06	3.45E+04	1.06E-04
22	2	50.00	50000	9.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.60E-04	5.05E-05	5.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.77E-06	5.00E+04	2.19E-04
23	3	42.41	42405	1.73E-02	0.00E+00	2.93E-07	0.00E+00	0.00E+00	1.71E-02	0.00E+00	0.00E+00	0.00E+00	1.12E-06	1.09E-10	3.03E-11	1.46E-10	0.00E+00	1.70E-04	4.88E-04	4.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-06	4.24E+04	1.02E-02
24	4	25.61	25612	5.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04	1.34E-05	1.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-05	2.56E+04	1.20E-04
25	5	27.58	27576	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	4.04E-05	4.04E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-05	2.76E+04	3.15E-04
26	6	22.60	22603	4.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	8.20E-05	8.20E-08	0.00E+00	0.00E+00	7.12E-05	0.00E+00	1.04E-06	2.26E+04	1.12E-04
27	7	34.45	34452	2.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-04	8.64E-06	8.64E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-06	3.45E+04	5.24E-05
28	8	27.58	27576	7.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.94E-04	7.96E-05	7.96E-08	0.00E+00	0.00E+00	3.01E-05	0.00E+00	1.69E-05	2.76E+04	1.70E-04
29	9	24.20	24197	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	5.40E-05	5.40E-08	0.00E+00	0.00E+00	3.16E-05	0.00E+00	3.07E-05	2.76E+04	2.51E-04
30	10	25.61	25612	6.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-04	1.34E-04	1.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.15E-06	2.56E+04	1.43E-04
31	11	50.00	50000	2.71E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-05	7.92E-06	7.92E-09	1.29E-05	0.00E+00	1.44E-05	0.00E+00	1.10E-06	5.00E+04	1.60E-02
32	12	28.43	28427	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-03	3.10E-05	3.10E-08	4.40E-07	0.00E+00	0.00E+00	0.00E+00	3.18E-05	2.84E+04	2.70E-04
33	13	14.19	14193	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	3.40E-04	3.40E-07	0.00E+00	0.00E+00	1.07E-04	0.00E+00	7.85E-06	1.42E+04	3.70E-04
34	14	14.19	14193	9.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.39E-04	1.78E-05	1.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-05	1.42E+04	2.15E-04
35	15	15.80	15803	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	2.49E-05	2.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-05	1.58E+04	2.40E-04
36	16	50.00	50000	8.54E-02	0.00E+00	3.06E-13	0.00E+00	0.00E+00	8.53E-02	0.00E+00	0.00E+00	0.00E+00	1.14E-12	1.49E-16	2.31E-17	9.78E-17	0.00E+00	1.24E-04	4.36E-05	4.36E-08	5.96E-06	0.00E+00	0.00E+00	0.00E+00	1.41E-06	5.00E+04	5.06E-02
37	17	32.26	32255	1.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-04	1.92E-04	1.92E-07	1.94E-14	0.00E+00	1.43E-07	0.00E+00	2.98E-06	3.23E+04	3.87E-05
38	18	50.00	50000	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-04	1.77E-05	1.77E-08	0.00E+00	0.00E+00	7.44E-10	0.00E+00	4.04E-06	5.00E+04	9.34E-05
39	19	19.23	19226	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	3.65E-05	3.65E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-06	1.92E+04	2.62E-04
40	20	50.00	50000	7.57E-04	0.00E+00	1.61E-08	0.00E+00	0.00E+00	7.56E-04	0.00E+00	0.00E+00	0.00E+00	5.97E-08	1.90E-10	3.00E-11	9.99E-11	0.00E+00	6.09E-07	1.00E-06	1.00E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.49E-09	5.00E+04	4.47E-04
41	21	19.23	19226	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	4.26E-05	4.26E-08	4.72E-05	0.00E+00	0.00E+00	0.00E+00	4.52E-06	1.92E+04	2.45E-04
42	22	21.45	21454	7.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.90E-04	3.41E-05	3.41E-08	0.00E+00	0.00E+00	1.61E-08	0.00E+00	1.63E-05	2.15E+04	1.58E-04
43	23	12.49	12493	2.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	7.32E-05	7.32E-08	2.90E-06	0.00E+00	0.00E+00	0.00E+00	6.74E-06	1.25E+04	5.81E-05
44	24	20.92	20918	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03	2.01E-04	2.01E-07	0.00E+00	0.00E+00	5.98E-05	0.00E+00	1.53E-05	2.09E+04	3.71E-04
45	25	50.00	50000	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-04	2.56E-05	2.56E-08	0.00E+00	0.00E+00	3.32E-07	0.00E+00	1.15E-05	5.00E+04	6.18E-05
46	26	30.74	30736	8.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-04	1.05E-04	1.05E-07	0.00E+00	0.00E+00	8.12E-05	0.00E+00	1.33E-05	3.07E+04	1.95E-04
47	27	12.49	12493	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	1.68E-05	1.68E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.86E-06	1.25E+04	9.15E-05
48	28	24.20	24197	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	1.11E-04	1.11E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-06	2.42E+04	2.41E-04
49	29	42.41	42405	7.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.78E-04	9.80E-06	9.80E-09	0.00E+00	0.00E+00	3.56E-07	0.00E+00	1.77E-06	4.24E+04	1.78E-04
50	30	36.24	36238	8.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.52E-04	8.58E-05	8.58E-08	1.35E-05	0.00E+00	0.00E+00	0.00E+00	3.80E-06	3.62E+04	1.97E-04
51	31	30.74	30736	7.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.67E-04	9.27E-06	9.27E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-05	3.07E+04	1.76E-04
52	32	35.63	35629	4.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.69E-04	4.13E-06	4.13E-09	9.80E-06	0.00E+00	3.81E-08	0.00E+00	9.68E-06	3.56E+04	1.10E-04
53	33	22.60	22603	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	1.30E-05	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05	2.26E+04	2.70E-04
54	34	50.00	50000	8.84E-02	0.00E+00	2.07E-21	0.00E+00	0.00E+00	8.79E-02	0.00E+00	0.00E+00	0.00E+00	2.52E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.02E-04	2.95E-06	2.95E-09	0.00E+00	0.00E+00	1.74E-05	0.00E+00	6.98E-06	5.00E+04	5.21E-02
55	35	15.95	15948	6.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-04	9.23E-06	9.23E-09	0.00E+00	0.00E+00	1.46E-04	0.00E+00	1.12E-05	1.59E+04	1.74E-04
56	36	19.23	19226	6.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-04	2.44E-05	2.44E-08	1.26E-06	0.00E+00	0.00E+00	0.00E+00	1.63E-05	1.92E+04	1.44E-04
57	37	25.61	25612	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	8.92E-04	8.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	2.56E+04	2.97E-04
58	38	24.20	24197	9.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.30E-19	0.00E+00	0.00E+00	0.00E+00	9.27E-04	5.32E-05	5.32E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-06	2.42E+04	2.11E-04
59	39	50.00	50000	3.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-06	1.16E-06	1.16E-09	0.00E+00	0.00E+00	1.81E-07	0.00E+00	1.85E-08	5.00E+04	4.55E-07
60	40	19.23	19226	7.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-04	6.20E-05	6.20E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-05	1.92E+04	1.70E-04
61	41	37.50	37500	3.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.19E-04	1.09E-04	1.09E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-08	3.75E+04	2.08E-03
62	42	10.18	10177	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-04	3.45E-05	3.45E-08	2.39E-05	0.00E+00	1.19E-04	0.00E+00	1.66E-05	1.02E+04	2.44E-04
63	43	22.60	22603	4.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.81E-04	1.10E-04	1.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	2.26E+04	1.10E-04
64	44	20.92	20918	5.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-04	6.01E-06	6.01E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05	2.09E+04	1.32E-04
65	45	27.58	27576	1.23E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	1.18E-07	1.18E-10	4.00E-08	0.00E+00	0.00E+00	0.00E+00	1.82E-07	2.76E+04	2.78E-06
66	46	22.31	22306	7.16E-04	0.00E+00	4.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.83E-07	3.84E-13	1.37E-12	5.39E-12	0.00E+00	7.04E-04	5.63E-05	5.63E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-05	2.23E+04	1.61E-04
67	47	24.20	24197	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-04	3.95E-05	3.95E-08	0.00E+00	0.00E+00	3.21E-05	0.00E+00	3.39E-06	2.42E+04	5.79E-05
68	48	37.50	37500	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	2.19E-04	2.19E-07	4.33E-07	0.00E+00	0.00E+00	0.00E+00	1.55E-06	3.75E+04	5.72E-05
69	49	30.74	30736	4.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.34E-04	4.75E-05	4.75E-08	0.00E+00	0.00E+00	1.15E-05	0.00E+00	9.95E-07	3.07E+04	1.03E-04
70	50	40.92	40922	1.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	8.34E-06	8.34E-09	1.35E-09	0.00E+00	0.00E+00	0.00E+00	1.59E-06	4.09E+04	3.42E-05
71	51	30.74	30736	4.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.16E-04	1.42E-04	1.42E-07	3.40E-06	0.00E+00	4.25E-05	0.00E+00	2.52E-06	3.07E+04	1.11E-04
72	52	50.00	50000	2.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-05	1.45E-05	1.45E-08	0.00E+00	0.00E+00	1.27E-05	0.00E+00	9.27E-07	5.00E+04	1.17E-03
73	53	27.58	27576	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	1.96E-05	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	2.76E+04	2.98E-04
74	54	46.43	46429	7.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-04	9.36E-05	9.36E-08	8.60E-08	0.00E+00	3.64E-07	0.00E+00	3.30E-06	4.64E+04	1.64E-04
75	55	44.76	44763	2.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.49E-04	1.09E-03	1.09E-06	0.00E+00	0.00E+00	1.06E-06	0.00E+00	3.12E-06	5.00E+04	6.51E-05
76	56	32.26	32255	5.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-04	2.93E-05	2.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-05	3.23E+04	1.14E-04
77	57	34.45	34452	5.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-04	1.29E-04	1.29E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-08	3.45E+04	1.30E-04
78	58	30.74	30736	4.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-04	1.85E-05	1.85E-08	2.00E-14	0.00E+00	2.49E-05	0.00E+00	2.95E-06	3.07E+04	9.48E-05
79	59	19.23	19226	6.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-04	9.56E-06	9.56E-09	3.73E-05	0.00E+00	0.00E+00	0.00E+00	1.60E-05	1.92E+04	1.56E-04
80	60	20.92	20918	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.80E-04	5.06E-05	5.06E-08	0.00E+00	0.00E+00	4.95E-05	0.00E+00	3.78E-06	2.09E+04	2.41E-04
81	61	15.80	15803	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	2.94E-05	2.94E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05	1.58E+04	2.69E-04
82	62	29.32	29319	4.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.83E-04	8.23E-05	8.23E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-06	2.93E+04	1.10E-04
83	63	9.11	9107	9.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.25E-04	1.79E-05	1.79E-08	0.00E+00	0.00E+00	4.42E-05	0.00E+00	2.22E-05	9.11E+03	2.28E-04
84	64	32.79	32786	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	1.40E-04	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-06	3.28E+04	2.40E-04
85	65	47.29	47291	1.52E-01	0.00E+00	4.38E-07	0.00E+00	0.00E+00	1.52E-01	0.00E+00	0.00E+00	0.00E+00	1.63E-06	3.27E-08	1.88E-10	8.26E-10	0.00E+00	1.83E-04	2.91E-04	2.91E-07	9.25E-06	0.00E+00	0.00E+00	0.00E+00	2.27E-06	4.73E+04	9.01E-02
86	66	40.92	40922	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.24E-04	1.24E-07	1.57E-05	0.00E+00	0.00E+00	0.00E+00	3.75E-06	4.09E+04	2.41E-04
87	67	33.88	33884	4.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04	1.24E-05	1.24E-08	1.20E-08	0.00E+00	7.86E-05	0.00E+00	8.37E-06	3.39E+04	1.19E-04
88	68	31.23	31231	9.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.31E-04	3.46E-05	3.46E-08	1.85E-05	0.00E+00	9.71E-05	0.00E+00	2.84E-06	3.23E+04	2.31E-04
89	69	37.50	37500	5.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-04	2.46E-05	2.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	4.40E+04	1.13E-04
90	70	39.51	39505	5.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.76E-04	2.75E-05	2.75E-08	5.61E-08	0.00E+00	0.00E+00	0.00E+00	1.29E-05	3.96E+04	1.32E-04
91	71	50.00	50000	5.12E-03	0.00E+00	2.18E-16	0.00E+00	0.00E+00	5.05E-03	0.00E+00	0.00E+00	0.00E+00	8.09E-16	7.72E-22	1.47E-20	1.06E-19	0.00E+00	7.43E-05	1.40E-04	1.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-07	5.00E+04	3.00E-03
92	72	48.17	48173	8.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.38E-04	5.03E-05	5.03E-08	2.02E-07	0.00E+00	0.00E+00	0.00E+00	2.68E-05	4.82E+04	1.93E-04
93	73	50.00	50000	1.52E-02	0.00E+00	1.86E-05	0.00E+00	0.00E+00	1.50E-02	0.00E+00	0.00E+00	0.00E+00	6.92E-05	8.87E-10	1.53E-08	5.75E-09	0.00E+00	9.16E-05	3.69E-04	3.69E-07	0.00E+00	0.00E+00	1.84E-05	0.00E+00	1.16E-06	5.00E+04	8.92E-03
94	74	15.95	15948	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	3.69E-05	3.69E-08	0.00E+00	0.00E+00	2.56E-04	0.00E+00	1.21E-05	1.58E+04	3.40E-04
95	75	27.58	27576	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	2.67E-04	2.67E-07	2.02E-07	0.00E+00	0.00E+00	0.00E+00	2.89E-05	2.76E+04	2.34E-04
96	76	29.32	29319	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-03	8.41E-05	8.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.40E-06	2.93E+04	3.84E-04
97	77	29.32	29319	4.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-04	1.43E-05	1.43E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05	2.93E+04	1.04E-04
98	78	29.32	29319	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-03	1.31E-04	1.31E-07	9.65E-06	0.00E+00	0.00E+00	0.00E+00	3.51E-05	2.93E+04	2.94E-04
99	79	50.00	50000	6.70E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.72E-04	6.18E-05	6.18E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.88E-06	5.00E+04	3.95E-02
100	80	12.56	12561	8.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.16E-04	4.77E-05	4.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.43E-06	1.26E+04	1.86E-04
101	81	22.31	22306	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-03	2.58E-05	2.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	2.23E+04	3.22E-04
102	82	27.17	27165	5.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.94E-04	6.44E-06	6.44E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	2.72E+04	1.13E-04
103	83	36.24	36238	5.10E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.07E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E-04	1.04E-04	1.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-06	3.62E+04	3.01E-02
104	84	40.92	40922	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	2.20E-05	2.20E-08	0.00E+00	0.00E+00	2.90E-05	0.00E+00	2.95E-06	4.09E+04	7.57E-05
105	85	22.60	22603	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-03	2.87E-05	2.87E-08	3.52E-06	0.00E+00	2.57E-04	0.00E+00	1.01E-05	2.26E+04	4.15E-04
106	86	32.79	32786	7.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.11E-04	3.55E-04	3.55E-07	2.07E-07	0.00E+00	2.00E-05	0.00E+00	1.36E-06	3.28E+04	1.69E-04
107	87	27.58	27576	8.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-04	6.67E-05	6.67E-08	0.00E+00	0.00E+00	1.15E-07	0.00E+00	3.14E-06	2.76E+04	2.04E-04
108	88	20.92	20918	6.65E-02	0.00E+00	6.12E-08	0.00E+00	0.00E+00	6.59E-02	0.00E+00	0.00E+00	0.00E+00	2.46E-07	1.11E-09	2.64E-11	1.22E-10	0.00E+00	4.52E-04	7.17E-05	7.17E-08	0.00E+00	0.00E+00	8.45E-05	0.00E+00	4.62E-06	2.09E+04	3.91E-02
109	89	15.80	15803	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.08E-04	2.63E-05	2.63E-08	1.41E-18	0.00E+00	1.59E-04	0.00E+00	6.53E-06	1.58E+04	2.65E-04
110	90	40.92	40922	5.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04	8.10E-06	8.10E-09	0.00E+00	0.00E+00	5.47E-05	0.00E+00	2.34E-06	4.09E+04	1.29E-04
111	91	50.00	50000	8.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	2.37E-05	2.37E-08	0.00E+00	0.00E+00	1.77E-05	0.00E+00	1.33E-06	5.00E+04	4.47E-04
112	92	49.08	49076	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-04	2.08E-05	2.08E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-05	4.91E+04	7.22E-05
113	93	25.99	25987	8.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.76E-04	2.54E-05	2.54E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-05	2.60E+04	2.01E-04
114	94	32.26	32255	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	3.25E-05	3.25E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.09E-06	3.23E+04	1.14E-04
115	95	35.63	35629	7.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-04	3.67E-05	3.67E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-06	3.56E+04	1.76E-04
116	96	38.82	38821	6.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-04	2.27E-05	2.27E-08	8.04E-07	0.00E+00	4.44E-06	0.00E+00	1.50E-05	3.88E+04	1.46E-04
117	97	50.00	50000	2.39E-04	0.00E+00	8.10E-28	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-04	1.35E-04	1.35E-07	0.00E+00	0.00E+00	3.44E-05	0.00E+00	1.03E-05	5.00E+04	6.52E-05
118	98	19.45	19451	7.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.53E-04	5.06E-05	5.06E-08	0.00E+00	0.00E+00	9.75E-05	0.00E+00	1.85E-05	1.95E+04	1.66E-04
119	99	22.60	22603	1.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	7.37E-05	7.37E-08	0.00E+00	0.00E+00	1.33E-04	0.00E+00	3.93E-06	2.26E+04	2.94E-04
120	100	20.41	20406	9.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-04	2.81E-05	2.81E-08	0.00E+00	0.00E+00	1.15E-04	0.00E+00	2.18E-05	2.04E+04	2.33E-04
121	101	24.20	24197	7.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.67E-04	2.01E-05	2.01E-08	0.00E+00	0.00E+00	7.52E-05	0.00E+00	2.86E-06	2.42E+04	1.79E-04
122	102	40.92	40922	4.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.64E-04	1.46E-05	1.46E-08	4.20E-06	0.00E+00	3.66E-05	0.00E+00	1.79E-06	4.09E+04	9.74E-05
123	103	24.20	24197	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	3.58E-05	3.58E-08	2.70E-06	0.00E+00	0.00E+00	0.00E+00	1.75E-05	2.42E+04	2.48E-04
124	104	50.00	50000	1.24E-02	0.00E+00	1.99E-08	0.00E+00	0.00E+00	1.23E-02	0.00E+00	0.00E+00	0.00E+00	7.38E-08	1.73E-11	7.58E-12	5.54E-11	0.00E+00	6.99E-05	7.85E-05	7.85E-08	6.25E-12	0.00E+00	0.00E+00	0.00E+00	7.56E-07	5.00E+04	7.31E-03
125	105	50.00	50000	1.91E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.90E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-04	1.81E-05	1.81E-08	7.67E-06	0.00E+00	0.00E+00	0.00E+00	2.06E-06	5.00E+04	1.13E-02
126	106	37.50	37500	5.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-04	1.20E-05	1.20E-08	0.00E+00	0.00E+00	7.09E-05	0.00E+00	4.90E-06	3.75E+04	1.24E-04
127	107	24.20	24197	8.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.41E-04	2.28E-05	2.28E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-05	2.42E+04	1.93E-04
128	108	50.00	50000	3.07E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.05E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-04	1.61E-04	1.61E-07	8.18E-06	0.00E+00	2.49E-05	0.00E+00	1.91E-06	5.00E+04	1.81E-02
129	109	32.79	32786	7.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-04	2.94E-05	2.94E-08	4.70E-07	0.00E+00	0.00E+00	0.00E+00	7.25E-06	3.28E+04	1.73E-04
130	110	37.50	37500	8.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.97E-04	2.93E-05	2.93E-08	8.94E-08	0.00E+00	9.90E-06	0.00E+00	2.81E-06	3.75E+04	1.85E-04
131	111	35.63	35629	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	1.94E-04	1.94E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.79E-06	3.56E+04	3.91E-04
132	112	13.33	13330	7.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.63E-04	7.77E-06	7.77E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-05	5.00E+04	2.34E-04
133	113	32.26	32255	5.37E-04	0.00E+00	1.63E-29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04	1.53E-05	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-05	3.23E+04	1.20E-04
134	114	24.20	24197	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	1.05E-04	1.05E-07	2.13E-10	0.00E+00	0.00E+00	0.00E+00	9.01E-06	2.42E+04	2.34E-04
135	115	45.59	45586	7.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-04	2.30E-06	4.32E-06	0.00E+00	5.34E-05	4.04E-05	4.04E-08	0.00E+00	0.00E+00	9.09E-08	0.00E+00	8.35E-07	4.56E+04	4.21E-04
136	116	22.60	22603	9.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.12E-04	5.06E-05	5.06E-08	0.00E+00	0.00E+00	4.22E-07	0.00E+00	2.00E-05	2.26E+04	2.09E-04
137	117	25.61	25612	8.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-04	1.48E-05	1.48E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-06	2.56E+04	1.99E-04

3/3/00 DRW

Enhanced WP corrosion + lower Tc solubility Unsorted 2 of 2

3/3/00 DRW

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
138	118	14.19	14193	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	1.29E-05	1.29E-08	3.35E-05	0.00E+00	2.47E-04	0.00E+00	2.61E-05	1.42E+04	3.81E-04
139	119	17.60	17600	3.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.13E-03	3.14E-05	3.14E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.27E-05	1.76E+04	7.17E-04
140	120	20.16	20159	1.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.61E-03	7.01E-05	7.01E-08	1.03E-05	0.00E+00	0.00E+00	0.00E+00	3.26E-05	2.02E+04	3.72E-04
141	121	30.74	30736	1.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	1.25E-04	1.25E-07	2.06E-06	0.00E+00	0.00E+00	0.00E+00	4.91E-07	3.07E+04	4.26E-05
142	122	37.50	37500	7.65E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	3.32E-05	3.32E-08	0.00E+00	0.00E+00	1.46E-05	0.00E+00	1.46E-06	3.75E+04	4.52E-02
143	123	17.42	17417	5.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-04	1.92E-05	1.92E-08	1.34E-05	0.00E+00	0.00E+00	0.00E+00	3.65E-08	1.74E+04	1.26E-04
144	124	19.23	19226	6.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-04	1.57E-04	1.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-06	1.92E+04	1.39E-04
145	125	47.29	47291	1.07E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.22E-04	5.01E-05	5.01E-08	2.56E-11	0.00E+00	2.00E-05	0.00E+00	1.32E-06	4.73E+04	6.29E-03
146	126	35.63	35629	1.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-03	1.55E-04	1.55E-07	0.00E+00	0.00E+00	2.38E-04	0.00E+00	3.15E-06	3.56E+04	3.83E-04
147	127	22.60	22603	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-03	1.75E-04	1.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.39E-06	2.26E+04	4.06E-04
148	128	32.79	32786	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	1.35E-04	1.35E-07	0.00E+00	0.00E+00	2.62E-18	0.00E+00	3.87E-06	3.28E+04	2.49E-04
149	129	30.74	30736	7.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-04	8.84E-06	8.84E-09	1.87E-05	0.00E+00	6.96E-06	0.00E+00	5.87E-06	3.07E+04	1.76E-04
150	130	30.74	30736	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-03	7.93E-05	7.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-06	3.07E+04	3.40E-04
151	131	15.80	15803	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	2.33E-05	2.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05	1.58E+04	2.63E-04
152	132	50.00	50000	2.44E-03	0.00E+00	1.07E-08	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	0.00E+00	3.98E-08	2.25E-12	3.84E-12	1.19E-11	0.00E+00	1.42E-04	2.78E-05	2.78E-08	0.00E+00	0.00E+00	2.30E-05	0.00E+00	1.57E-06	5.00E+04	1.39E-03
153	133	50.00	50000	4.48E-02	0.00E+00	5.51E-07	0.00E+00	0.00E+00	4.45E-02	0.00E+00	0.00E+00	0.00E+00	2.04E-06	7.88E-10	2.07E-10	1.71E-09	0.00E+00	3.06E-04	1.08E-04	1.08E-07	0.00E+00	0.00E+00	8.25E-19	0.00E+00	3.88E-06	5.00E+04	2.64E-02
154	134	14.19	14193	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-04	1.51E-05	1.51E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-06	1.42E+04	1.42E-04
155	135	19.23	19226	5.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-04	6.52E-05	6.52E-08	0.00E+00	0.00E+00	5.13E-05	0.00E+00	2.68E-06	1.92E+04	1.23E-04
156	136	30.74	30736	8.39E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.36E-04	2.01E-04	2.01E-07	2.56E-16	0.00E+00	6.39E-07	0.00E+00	2.18E-06	3.07E+04	1.91E-04
157	137	17.42	17417	6.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-06	7.19E-07	7.19E-10	2.67E-07	0.00E+00	3.33E-08	0.00E+00	1.35E-08	1.74E+04	1.46E-06
158	138	50.00	50000	1.11E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.90E-05	3.66E-05	3.66E-08	0.00E+00	0.00E+00	1.16E-06	0.00E+00	9.34E-07	5.00E+04	6.52E-03
159	139	50.00	50000	5.88E-05	0.00E+00	6.32E-09	0.00E+00	0.00E+00	5.53E-05	0.00E+00	0.00E+00	0.00E+00	2.35E-08	5.99E-11	1.81E-11	9.25E-11	0.00E+00	1.18E-06	4.16E-06	4.16E-09	1.97E-08	0.00E+00	0.00E+00	0.00E+00	2.30E-06	5.00E+04	3.32E-05
160	140	15.80	15803	1.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-03	8.07E-05	8.07E-08	0.00E+00	0.00E+00	3.57E-04	0.00E+00	1.86E-05	1.58E+04	4.80E-04
161	141	19.23	19226	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03	5.11E-05	5.11E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.17E-06	5.00E+04	3.80E-04
162	142	14.09	14088	3.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	2.50E-05	2.50E-08	3.29E-06	0.00E+00	0.00E+00	0.00E+00	4.76E-06	1.41E+04	8.35E-05
163	143	20.92	20918	2.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-03	1.41E-05	1.41E-08	0.00E+00	0.00E+00	8.95E-06	0.00E+00	3.81E-05	2.09E+04	4.56E-04
164	144	35.63	35629	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.97E-04	1.63E-05	1.63E-08	0.00E+00	0.00E+00	4.94E-08	0.00E+00	7.42E-06	3.56E+04	9.10E-05
165	145	46.43	46429	2.75E-04	0.00E+00	7.75E-10	0.00E+00	0.00E+00	8.73E-10	0.00E+00	0.00E+00	0.00E+00	2.90E-09	2.06E-13	1.28E-13	6.53E-13	0.00E+00	2.74E-04	6.33E-06	6.33E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.63E-06	4.64E+04	8.24E-05
166	146	50.00	50000	5.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-04	6.37E-05	6.37E-08	0.00E+00	0.00E+00	5.54E-05	0.00E+00	1.45E-06	5.00E+04	2.92E-03
167	147	29.32	29319	8.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.55E-04	8.97E-06	8.97E-09	1.63E-05	0.00E+00	1.10E-04	0.00E+00	1.55E-05	2.93E+04	2.17E-04
168	148	50.00	50000	2.25E-04	0.00E+00	2.73E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-07	2.33E-12	8.18E-12	2.30E-11	0.00E+00	2.19E-04	4.07E-06	4.07E-09	2.47E-06	0.00E+00	0.00E+00	0.00E+00	3.07E-08	5.00E+04	5.08E-05
169	149	29.32	29319	3.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.61E-04	1.93E-05	1.93E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-06	2.93E+04	8.23E-05
170	150	19.23	19226	4.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.44E-04	3.47E-05	3.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.64E-06	1.92E+04	1.01E-04
171	151	27.58	27576	1.49E-03	0.00E+00	2.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-06	4.60E-09	4.69E-11	1.56E-10	0.00E+00	1.48E-03	1.24E-04	1.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.16E-06	2.76E+04	3.38E-04
172	152	25.61	25612	2.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-03	4.57E-05	4.57E-08	0.00E+00	0.00E+00	4.30E-04	0.00E+00	1.10E-05	2.56E+04	5.86E-05
173	153	40.92	40922	2.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-04	1.25E-04	1.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.26E-06	4.09E+04	6.02E-05
174	154	50.00	50000	2.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.71E-03	2.96E-06	5.53E-06	0.00E+00	2.19E-04	8.39E-05	8.39E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.29E-06	5.00E+04	1.69E-03
175	155	47.29	47291	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	5.21E-06	5.21E-09	0.00E+00	0.00E+00	1.96E-09	0.00E+00	7.37E-06	4.73E+04	2.52E-04
176	156	38.82	38821	1.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	4.49E-05	4.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.63E-06	3.88E+04	2.95E-04
177	157	32.26	32255	8.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.72E-04	2.04E-04	2.04E-07	0.00E+00	0.00E+00	2.52E-11	0.00E+00	2.50E-06	3.23E+04	1.99E-04
178	158	50.00	50000	1.88E-02	0.00E+00	2.97E-18	0.00E+00	0.00E+00	1.87E-02	0.00E+00	0.00E+00	0.00E+00	1.10E-17	5.00E-23	2.84E-22	0.00E+00	0.00E+00	8.58E-05	8.17E-05	8.17E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-06	5.00E+04	1.11E-02
179	159	36.24	36238	6.25E-02	0.00E+00	7.56E-09	0.00E+00	0.00E+00	6.22E-02	0.00E+00	0.00E+00	0.00E+00	2.91E-08	1.13E-12	7.56E-13	2.86E-12	0.00E+00	2.44E-04	6.32E-04	6.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-08	3.62E+04	3.68E-02
180	160	27.58	27576	2.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-03	6.46E-05	6.46E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-06	2.76E+04	4.94E-04
181	161	27.58	27576	1.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	2.05E-05	2.05E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-06	2.76E+04	2.44E-04
182	162	27.17	27165	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	2.31E-05	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-05	2.72E+04	2.51E-04
183	163	20.92	20918	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-04	1.96E-05	1.96E-08	8.33E-06	0.00E+00	2.73E-06	0.00E+00	4.02E-06	2.09E+04	1.27E-04
184	164	15.80	15803	8.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.62E-04	1.30E-05	1.30E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	1.58E+04	1.97E-04
185	165	10.83	10832	9.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-04	2.20E-05	2.20E-08	0.00E+00	0.00E+00	1.32E-04	0.00E+00	1.58E-05	1.25E+04	2.37E-04
186	166	35.63	35629	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03	4.46E-05	4.46E-08	0.00E+00	0.00E+00	7.22E-05	0.00E+00	4.17E-06	2.26E+04	3.57E-04
187	167	14.19	14193	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	5.84E-05	5.84E-08	0.00E+00	0.00E+00	1.98E-04	0.00E+00	1.42E-05	1.42E+04	3.57E-04
188	168	44.76	44763	5.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.32E-05	2.99E-04	2.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-06	4.48E+04	1.23E-06
189	169	38.82	38821	5.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-04	1.02E-05	1.02E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-05	3.88E+04	1.14E-04
190	170	25.99	25987	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	1.62E-04	1.62E-07	0.00E+00	0.00E+00	2.15E-10	0.00E+00	9.42E-06	2.60E+04	3.63E-04
191	171	47.29	47291	8.37E-04	0.00E+00	3.76E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-08	1.38E-10	9.52E-12	2.99E-11	0.00E+00	8.31E-04	6.25E-05	6.25E-08	8.53E-08	0.00E+00	1.44E-07	0.00E+00	5.45E-06	4.73E+04	1.90E-04
192	172	17.60	17600	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	1.77E-05	1.77E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-05	1.76E+04	3.01E-04
193	173	30.74	30736	6.01E-04	0.00E+00	1.06E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.14E-14	1.25E-19	2.42E-19	4.46E-19	0.00E+00	5.92E-04	4.43E-05	4.43E-08	0.00E+00	0.00E+00	1.64E-06	0.00E+00	8.94E-06	3.07E+04	1.36E-04
194	174	29.78	29780	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-03	5.15E-05	5.15E-08	0.00E+00	0.00E+00	9.98E-06	0.00E+00	3.71E-05	2.98E+04	3.36E-04
195	175	25.99	25987	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.03E-04	2.12E-05	2.12E-08	4.20E-06	0.00E+00	0.00E+00	0.00E+00	1.09E-05	2.60E+04	9.35E-05
196	176	32.79	32786	5.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.72E-04	3.26E-06	3.26E-09	1.92E-05	0.00E+00	9.92E-05	0.00E+00	9.15E-06	3.23E+04	1.26E-04
197	177	43.96	43959	4.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-04	3.62E-05	3.62E-08	1.56E-06	0.00E+00	0.00E+00	0.00E+00	1.64E-06	4.40E+04	1.12E-04
198	178	27.58	27576	9.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.20E-04	1.04E-04	1.04E-07	0.00E+00	0.00E+00	1.38E-10	0.00E+00	2.93E-06	2.76E+04	2.10E-04
199	179	15.95	15948	8.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.35E-04	1.96E-05	1.96E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-05	1.59E+04	1.91E-04
200	180	31.74	31737	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	1.53E-05	1.53E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.93E-06	3.17E+04	8.57E-05
201	181	29.32	29319	7.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.63E-04	2.21E-04	2.21E-07	6.73E-06	0.00E+00	3.96E-05	0.00E+00	1.45E-05	2.93E+04	1.67E-04
202	182	32.79	32786	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.38E-04	1.13E-04	1.13E-07	4.09E-06	0.00E+00	5.90E-05	0.00E+00	3.00E-06	3.28E+04	2.38E-04
203	183	22.31	22306	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.57E-04	3.16E-05	3.16E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-06	2.23E+04	1.04E-04
204	184	25.99	25987	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-03	7.66E-05	7.66E-08	0.00E+00	0.00E+00	8.77E-05	0.00E+00	4.34E-06	2.60E+04	3.13E-04
205	185	35.63	35629	3.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-04	8.42E-05	8.42E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-06	3.56E+04	7.84E-05
206	186	38.82	38821	8.16E-02	0.00E+00	1.87E-06	0.00E+00	0.00E+00	8.15E-02	0.00E+00	0.00E+00	0.00E+00	7.17E-06	1.53E-09	9.16E-10	6.96E-10	0.00E+00	1.18E-04	9.50E-05	9.50E-08	6.73E-06	0.00E+00	3.86E-13	0.00E+00	1.38E-06	3.88E+04	4.82E-02
207	187	19.23	19226	5.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-04	9.17E-06	9.17E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.92E-06	1.92E+04	1.21E-04
208	188	50.00	50000	3.88E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.87E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	1.34E-04	1.34E-07	0.00E+00	0.00E+00	1.23E-08	0.00E+00	1.98E-08	5.00E+04	2.29E-02
209	189	25.99	25987	3.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.14E-03	1.68E-04	1.68E-07	0.00E+00	0.00E+00	1.68E-04	0.00E+00	9.68E-06	1.58E+04	8.26E-04
210	190	14.19	14193	1.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-03	3.34E-05	3.34E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05	1.42E+04	3.62E-04
211	191	14.19	14193	9.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.36E-04	2.21E-05	2.21E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-05	1.42E+04	2.14E-04
212	192	22.60	22603	9.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.35E-04	3.10E-05	3.10E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-05	2.26E+04	2.15E-04
213	193	45.59	45586	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	6.56E-05	6.56E-08	1.28E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-05	4.56E+04	3.01E-04
214	194	50.00	50000	3.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-04	9.58E-05	9.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-06	5.00E+04	8.33E-05
215	195	22.60	22603	4.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-04	4.07E-05	4.07E-08	0.00E+00	0.00E+00	4.89E-06	0.00E+00	8.85E-06	2.26E+04	1.07E-04
216	196	19.23	19226	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	9.27E-06	9.27E-09	0.00E+00	0.00E+00	1.54E-04	0.00E+00	1.64E-06	1.92E+04	3.01E-04
217	197	25.99	25987	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	1.03E-04	1.03E-07	0.00E+00	0.00E+00	8.59E-20	0.00E+00	5.90E-06	2.60E+04	3.00E-04
218	198	50.00	50000	1.56E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	7.27E-05	7.27E-08	5.54E-06	0.00E+00	4.74E-17	0.00E+00	1.39E-06	5.00E+04	9.19E-03
219	199	15.00	15000	7.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.84E-04	1.07E-05	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.44E-05	1.50E+04	1.80E-04
220	200	33.88	33884	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-04	2.57E-05	2.57E-08	3.04E-05	0.00E+00	0.00E+00	0.00E+00	2.45E-06	3.39E+04	2.35E-04
221	201	25.99	25987	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-04	1.64E-05	1.64E-08	0.00E+00	0.00E+00	6.49E-05	0.00E+00	4.87E-06	2.60E+04	2.48E-04
222	202	36.24	36238	2.63E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.61E-04	9.16E-05	9.16E-08	1.26E-06	0.00E+00	0.00E+00	0.00E+00	4.87E-07	3.62E+04	5.99E-05
223	203	50.00	50000	4.57E-03	0.00E+00	6.29E-07	0.00E+00	0.00E+00	4.40E-03	0.00E+00	0.00E+00	0.00E+00	2.34E-06	3.56E-10	2.94E-10	2.09E-10	0.00E+00	1.25E-04	2.60E-05	2.60E-08	0.00E+00	0.00E+00	4.51E-05	0.00E+00	1.48E-06	5.00E+04	2.65E-03
224	204	40.92	40922	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.82E-04	1.70E-04	1.70E-07	0.00E+00	0.00E+00	1.09E-08	0.00E+00	2.87E-06	4.09E+04	8.73E-05
225	205	22.60	22603	6.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.72E-04	1.77E-05	1.77E-08	0.00E+00	0.00E+00	1.10E-04	0.00E+00	1.37E-05	2.26E+04	1.71E-04
226	206	17.60	17600	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.68E-04	2.03E-05	2.03E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.29E-06	1.76E+04	1.53E-04
227	207	24.20	24197	9.52E-04	0.00E+00	2.58E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-13	9.39E-18	3.22E-19	2.28E-18	0.00E+00	9.26E-04	4.39E-05	4.39E-08	2.83E-08	0.00E+00	2.40E-06	0.00E+00	2.35E-05	2.42E+04	2.14E-04
228	208	12.49	12493	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.52E-03	1.66E-05	1.66E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-05	1.25E+04	3.48E-04
229	209	27.58	27576	9.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-04	2.45E-05	2.45E-08	2.99E-18	0.00E+00	0.00E+00	0.00E+00	2.66E-05	2.76E+04	2.09E-04
230	210	32.26	32255	8.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.64E-04	1.84E-04	1.84E-07	0.00E+00	0.00E+00	3.48E-05	0.00E+00	3.81E-06	3.23E+04	1.87E-04
231	211	32.26	32255	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-04	1.61E-05	1.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.65E-06	3.23E+04	1.07E-04
232	212	50.00	50000	2.66E-02	0.00E+00	2.76E-09	0.00E+00	0.00E+00	2.64E-02	0.00E+00	0.00E+00	0.00E+00	1.03E-08	7.05E-14	5.56E-13	1.94E-12	0.00E+00	1.11E-04	1.72E-04	1.72E-07	4.62E-06	0.00E+00	0.00E+00	0.00E+00	1.36E-06	5.00E+04	1.57E-02
233	213	18.58	18581	9.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.45E-04	1.89E-05	1.89E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-05	1.86E+04	2.17E-04
234	214	29.32	29319	2.15E-02	0.00E+00	2.28E-06	0.00E+00	0.00E+00	2.12E-02	0.00E+00	0.00E+00	0.00E+00	8.95E-06	5.16E-11	3.00E-10	1.22E-09	0.00E+00	2.83E-04	8.81E-05	8.81E-08	0.00E+00	0.00E+00	1.25E-05	0.00E+00	1.90E-06	2.93E+04	1.26E-02
235	215	12.49	12493	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	3.78E-05	3.78E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-05	1.25E+04	2.36E-04
236	216	37.50	37500	8.01E-04	0.00E+00	2.21E-15	0.00E+00	0.00E+00	2.46E-07	0.00E+00	0.00E+00	0.00E+00	8.45E-15	6.88E-19	2.40E-19	4.42E-19	0.00E+00	7.97E-04	1.05E-04	1.05E-07	0.00E+00	0.00E+00	9.54E-07	0.00E+00	2.43E-06	3.75E+04	1.82E-04
237	217	50.00	50000	3.89E-03	0.00E+00	1.77E-07	0.00E+00	0.00E+00	3.76E-03	0.00E+00	0.00E+00	0.00E+00	6.56E-07	2.10E-10	2.75E-10	7.64E-10	0.00E+00	1.18E-04	2.00E-05	2.00E-08	6.07E-06	0.00E+00	0.00E+00	0.00E+00	1.48E-06	5.00E+04	2.25E-03
238	218	24.20	24197	1.18E-03	0.00E+00	1.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-07	2.89E-11	3.47E-11	1.02E-10	0.00E+00	1.12E-03	1.76E-05	1.76E-08	0.00E+00	0.00E+00	5.09E-05	0.00E+00	8.46E-06	2.42E+04	2.74E-04
239	219	14.19	14193	9.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-04	3.92E-05	3.92E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-06	1.42E+04	2.04E-04
240	220	14.19	14193	3.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.94E-04	2.91E-05	2.91E-08	5.57E-07	0.00E+00	1.01E-08	0.00E+00	3.12E-06	1.42E+04	9.01E-05
241	221	14.09	14088	7.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.79E-04	1.47E-05	1.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-05	1.41E+04	1.79E-04
242	222	24.20	24197	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	2.61E-05	2.61E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.90E-06	2.42E+04	2.33E-04
243	223	19.01	19006	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	9.31E-05	9.31E-08	5.07E-06	0.00E+00	0.00E+00	0.00E+00	6.32E-06	1.90E+04	2.93E-04
244	224	34.45	34452	5.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-04	5.71E-05	5.71E-08	5.00E-15	0.00E+00	0.00E+00	0.00E+00	3.41E-06	3.45E+04	1.21E-04
245	225	25.99	25987	5.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-04	6.56E-05	6.56E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-05	2.60E+04	1.28E-04
246	226	27.58	27576	1.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-03	3.66E-05	3.66E-08	1.24E-07	0.00E+00	7.96E-05	0.00E+00	5.41E-06	2.76E+04	4.45E-04
247	227	30.74	30736	4.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04	1.27E-04	1.27E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-06	3.07E+04	9.54E-05
248	228	25.61	25612	5.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.31E-04	4.47E-05	4.47E-08	1.33E-07	0.00E+00	0.00E+00	0.00E+00	8.92E-06	3.45E+04	1.22E-04
249	229	33.88	33884	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-03	9.32E-05	9.32E-08	1.17E-17	0.00E+00	2.62E-05	0.00E+00	1.09E-05	3.45E+04	2.73E-04
250	230	27.58	27576	7.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.56E-04	2.26E-05	2.26E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.56E-06	2.76E+04	1.73E-04
251	231	28.87	28868	4.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.53E-04	1.69E-04	1.69E-07	5.67E-06	0.00E+00	2.35E-05	0.00E+00	6.29E-06	2.93E+04	1.14E-04
252	232	30.74	30736	8.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.66E-04	1.02E-05	1.02E-08	0.00E+00	0.00E+00	6.72E-05	0.00E+00	4.92E-06	3.07E+04	1.99E-04
253	233	22.31	22306	8.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.91E-04	4.81E-05	4.81E-08	2.78E-05	0.00E+00	3.81E-05	0.00E+00	3.31E-06	2.23E+04	2.01E-04
254	234	35.63	35629	4.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.20E-04	3.06E-06	3.06E-09	1.61E-06	0.00E+00	0.00E+00	0.00E+00	7.28E-06	3.56E+04	9.66E-05
255	235	30.74	30736	5.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.80E-04	4.07E-05	4.07E-08	0.00E+00	0.00E+00	6.37E-07	0.00E+00	2.06E-06	3.07E+04	1.33E-04
256	236	36.24	36238	7.08E-04	0.00E+00	3.67E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.23E-04	1.25E-04	1.25E-07	0.00E+00	0.00E+00	8.29E-05	0.00E+00	1.95E-06	3.62E+04	1.72E-04
257	237	24.20	24197	5.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.03E-04	1.45E-04	1.45E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.30E-06	2.42E+04	1.15E-04
258	238	30.74	30736	5.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.85E-04	1.83E-05	1.83E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.96E-06	3.07E+04	1.34E-04
259	239	19.01	19006	2.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-03	8.49E-05	8.49E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.88E-05	1.90E+04	5.09E-04
260	240	20.66	20659	7.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-04	4.24E-04	4.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.84E-06	2.07E+04	1.65E-04
261	241	32.26	32255	5.60E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-04	9.87E-06	9.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-06	3.23E+04	1.27E-04
262	242	45.59	45586	4.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.17E-04	4.70E-05	4.70E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-06	4.56E+04	9.51E-05
263	243	24.20	24197	6.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-04	1.33E-05	1.33E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-06	2.42E+04	1.48E-04
264	244	20.92	20918	2.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-03	1.71E-04	1.71E-07	4.22E-05	0.00E+00	0.00E+00	0.00E+00	7.34E-06	2.09E+04	5.08E-04
265	245	50.00	50000	4.95E-02	0.00E+00	1.90E-12	0.00E+00	0.00E+00	4.92E-02	0.00E+00	0.00E+00	0.00E+00	7.04E-12	4.75E-15	3.72E-16	3.11E-15	0.00E+00	2.63E-04	1.52E-04	1.52E-07	0.00E+00	0.00E+00	4.40E-05	0.00E+00	3.28E-06	5.00E+04	2.92E-02
266	246	50.00	50000	3.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-04	6.27E-05	6.27E-08	0.00E+00	0.00E+00	1.36E-05	0.00E+00	1.97E-06	5.00E+04	2.27E-03
267	247	37.50	37500	4.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-05	8.54E-05	8.54E-08	6.72E-07	0.00E+00	0.00E+00	0.00E+00	1.10E-06	3.75E+04	2.65E-03
268	248	50.00	50000	3.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	4.98E-06	4.98E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-06	5.00E+04	7.23E-05
269	249	45.59	45586	3.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-04	9.50E-05	9.50E-08	0.00E+00	0.00E+00	4.51E-12	0.00E+00	1.02E-06	4.56E+04	9.01E-05
270	250	50.00	50000	8.82E-03	0.00E+00	7.54E-06	0.00E+00	0.00E+00	8.67E-03	0.00E+00	0.00E+00	0.00E+00	2.80E-05	4.63E-11	5.47E-10	1.61E-09	0.00E+00	1.08E-04	1.20E-03	1.20E-06	6.13E-06	0.00E+00	3.78E-18	0.00E+00	1.85E-06	5.00E+04	5.18E-03

3/3/00 DRW

Enhanced WP corrosion + lower Tc solubility - Sorted 1 of 3

DRW

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Min		9.11	9107.20	3.149E-06	3.149E-03	1.180E-07	1.180E-10	9.107E+03	4.550E-07										
2	Max		50.00	50000.00	1.524E-01	1.524E+02	1.197E-03	1.197E-06	5.000E+04	9.006E-02										
3	Mean		30.86	30858.05	5.288E-03	5.288E+00	8.080E-05	8.080E-08	3.114E+04	2.855E-03										
4	Median		29.32	29319.00	8.717E-04	8.717E-01	4.040E-05	4.040E-08	2.955E+04	2.023E-04										
5	s.d.		11.57	11569.96	1.682E-02	1.682E+01	1.363E-04	1.363E-07	1.169E+04	9.991E-03										
6							Sorted by									Sorted by				
7	probability	vector	pktime	pktime	pktede	pktede	Tc99de	Tc99de	timedwpk	drnkh20		vector	pktime	pktime	pktede	pktede	Tc99de	Tc99de	timedwpk	drnkh20
8	n/250	unitless	yr/1000	yr	rem/yr	mrem/yr	mrem/yr	rem/yr	yr	rem/yr		unitless	yr/1000	yr	rem/yr	mrem/yr	mrem/yr	rem/yr	yr	rem/yr
9	1.0000	45	27.58	27576	1.23E-05	1.23E-02	1.18E-07	1.18E-10	2.76E+04	2.78E-06		39	50.00	50000	3.15E-06	3.15E-03	1.16E-06	1.16E-09	5.00E+04	4.55E-07
10	0.9960	137	17.42	17417	6.41E-06	6.41E-03	7.19E-07	7.19E-10	1.74E+04	1.46E-06		137	17.42	17417	6.41E-06	6.41E-03	7.19E-07	7.19E-10	1.74E+04	1.46E-06
11	0.9920	20	50.00	50000	7.57E-04	7.57E-01	1.00E-06	1.00E-09	5.00E+04	4.47E-04		45	27.58	27576	1.23E-05	1.23E-02	1.18E-07	1.18E-10	2.76E+04	2.78E-06
12	0.9880	39	50.00	50000	3.15E-06	3.15E-03	1.16E-06	1.16E-09	5.00E+04	4.55E-07		168	44.76	44763	5.46E-05	5.46E-02	2.99E-04	2.99E-07	4.48E+04	1.23E-05
13	0.9840	34	50.00	50000	8.84E-02	8.84E+01	2.95E-06	2.95E-09	5.00E+04	5.21E-02		139	50.00	50000	5.88E-05	5.88E-02	4.16E-06	4.16E-09	5.00E+04	3.32E-05
14	0.9800	234	35.63	35629	4.29E-04	4.29E-01	3.06E-06	3.06E-09	3.56E+04	9.65E-05		50	40.92	40922	1.51E-04	1.51E-01	8.34E-06	8.34E-09	4.09E+04	3.42E-05
15	0.9760	176	32.79	32786	5.00E-04	5.00E-01	3.26E-06	3.26E-09	3.23E+04	1.26E-04		17	32.26	32255	1.72E-04	1.72E-01	1.92E-04	1.92E-07	3.23E+04	3.87E-05
16	0.9720	148	50.00	50000	2.25E-04	2.25E-01	4.07E-06	4.07E-09	5.00E+04	5.08E-05		121	30.74	30736	1.87E-04	1.87E-01	1.25E-04	1.25E-07	3.07E+04	4.26E-05
17	0.9680	32	35.63	35629	4.88E-04	4.88E-01	4.13E-06	4.13E-09	3.56E+04	1.10E-04		148	50.00	50000	2.25E-04	2.25E-01	4.07E-06	4.07E-09	5.00E+04	5.08E-05
18	0.9640	139	50.00	50000	5.88E-05	5.88E-02	4.16E-06	4.16E-09	5.00E+04	3.32E-05		7	34.45	34452	2.32E-04	2.32E-01	8.64E-06	8.64E-09	3.45E+04	5.24E-05
19	0.9600	248	50.00	50000	3.18E-04	3.18E-01	4.98E-06	4.98E-09	5.00E+04	7.23E-05		47	24.20	24197	2.38E-04	2.38E-01	3.95E-05	3.95E-08	2.42E+04	5.79E-05
20	0.9560	155	47.29	47291	1.11E-03	1.11E+00	5.21E-06	5.21E-09	4.73E+04	2.52E-04		97	50.00	50000	2.39E-04	2.39E-01	1.35E-04	1.35E-07	5.00E+04	6.52E-05
21	0.9520	44	20.92	20918	5.92E-04	5.92E-01	6.01E-06	6.01E-09	2.09E+04	1.32E-04		48	37.50	37500	2.52E-04	2.52E-01	2.19E-04	2.19E-07	3.75E+04	5.72E-05
22	0.9480	145	46.43	46429	2.75E-04	2.75E-01	6.33E-06	6.33E-09	4.64E+04	6.24E-05		23	12.49	12493	2.59E-04	2.59E-01	7.32E-05	7.32E-08	1.25E+04	5.81E-05
23	0.9440	82	27.17	27165	5.07E-04	5.07E-01	6.44E-06	6.44E-09	2.72E+04	1.13E-04		202	36.24	36238	2.63E-04	2.63E-01	9.16E-05	9.16E-08	3.62E+04	5.99E-05
24	0.9400	112	13.33	13330	7.75E-04	7.75E-01	7.77E-06	7.77E-09	5.00E+04	2.34E-04		55	44.76	44763	2.64E-04	2.64E-01	1.09E-03	1.09E-06	5.00E+04	6.51E-05
25	0.9360	11	50.00	50000	2.71E-02	2.71E+01	7.92E-06	7.92E-09	5.00E+04	1.60E-02		153	40.92	40922	2.65E-04	2.65E-01	1.25E-04	1.25E-07	4.09E+04	6.02E-05
26	0.9320	90	40.92	40922	5.34E-04	5.34E-01	8.10E-06	8.10E-09	4.09E+04	1.29E-04		145	46.43	46429	2.75E-04	2.75E-01	6.33E-06	6.33E-09	4.64E+04	6.24E-05
27	0.9280	50	40.92	40922	1.51E-04	1.51E-01	8.34E-06	8.34E-09	4.09E+04	3.42E-05		25	50.00	50000	2.79E-04	2.79E-01	2.56E-05	2.56E-08	5.00E+04	6.18E-05
28	0.9240	7	34.45	34452	2.32E-04	2.32E-01	8.64E-06	8.64E-09	3.45E+04	5.24E-05		84	40.92	40922	3.17E-04	3.17E-01	2.20E-05	2.20E-08	4.09E+04	7.57E-05
29	0.9200	129	30.74	30736	7.70E-04	7.70E-01	8.84E-06	8.84E-09	3.07E+04	1.76E-04		248	50.00	50000	3.18E-04	3.18E-01	4.98E-06	4.98E-09	5.00E+04	7.23E-05
30	0.9160	147	29.32	29319	8.96E-04	8.96E-01	8.97E-06	8.97E-09	2.93E+04	2.17E-04		92	49.08	49076	3.27E-04	3.27E-01	2.08E-05	2.08E-08	4.91E+04	7.22E-05
31	0.9120	187	19.23	19226	5.38E-04	5.38E-01	9.17E-06	9.17E-09	1.92E+04	1.21E-04		185	35.63	35629	3.45E-04	3.45E-01	8.42E-05	8.42E-08	3.66E+04	7.84E-05
32	0.9080	35	15.95	15948	6.87E-04	6.87E-01	9.23E-06	9.23E-09	1.59E+04	1.74E-04		149	29.32	29319	3.63E-04	3.63E-01	1.93E-05	1.93E-08	2.93E+04	8.23E-05
33	0.9040	196	19.23	19226	1.24E-03	1.24E+00	9.27E-06	9.27E-09	1.92E+04	3.01E-04		194	50.00	50000	3.66E-04	3.66E-01	9.58E-05	9.58E-08	5.00E+04	8.33E-05
34	0.9000	31	30.74	30736	7.83E-04	7.83E-01	9.27E-06	9.27E-09	3.07E+04	1.76E-04		142	14.09	14088	3.70E-04	3.70E-01	2.50E-05	2.50E-08	1.41E+04	8.35E-05
35	0.8960	59	19.23	19226	6.94E-04	6.94E-01	9.56E-06	9.56E-09	1.92E+04	1.56E-04		180	31.74	31737	3.83E-04	3.83E-01	1.53E-05	1.53E-08	3.17E+04	8.57E-05
36	0.8920	241	32.26	32255	5.60E-04	5.60E-01	9.87E-06	9.87E-09	3.23E+04	1.27E-04		204	40.92	40922	3.85E-04	3.85E-01	1.70E-04	1.70E-07	4.09E+04	8.73E-05
37	0.8880	169	38.82	38821	5.10E-04	5.10E-01	1.02E-05	1.02E-08	3.88E+04	1.14E-04		249	45.59	45586	3.96E-04	3.96E-01	9.50E-05	9.50E-08	4.56E+04	9.01E-05
38	0.8840	232	30.74	30736	8.38E-04	8.38E-01	1.02E-05	1.02E-08	3.07E+04	1.99E-04		220	14.19	14193	3.98E-04	3.98E-01	2.91E-05	2.91E-08	1.42E+04	9.01E-05
39	0.8800	199	15.00	15000	7.99E-04	7.99E-01	1.07E-05	1.07E-08	1.50E+04	1.80E-04		58	30.74	30736	4.03E-04	4.03E-01	1.85E-05	1.85E-08	3.07E+04	9.48E-05
40	0.8760	106	37.50	37500	5.04E-04	5.04E-01	1.20E-05	1.20E-08	3.75E+04	1.24E-04		144	35.63	35629	4.05E-04	4.05E-01	1.63E-05	1.63E-08	3.56E+04	9.10E-05
41	0.8720	67	33.88	33884	4.81E-04	4.81E-01	1.24E-05	1.24E-08	3.39E+04	1.19E-04		27	12.49	12493	4.07E-04	4.07E-01	1.68E-05	1.68E-08	1.25E+04	9.15E-05
42	0.8680	118	14.19	14193	1.54E-03	1.54E+00	1.29E-05	1.29E-08	1.42E+04	3.81E-04		102	40.92	40922	4.07E-04	4.07E-01	1.46E-05	1.46E-08	4.09E+04	9.74E-05
43	0.8640	164	15.80	15803	8.76E-04	8.76E-01	1.30E-05	1.30E-08	1.58E+04	1.97E-04		18	50.00	50000	4.13E-04	4.13E-01	1.77E-05	1.77E-08	5.00E+04	9.34E-05
44	0.8600	33	22.60	22603	1.20E-03	1.20E+00	1.30E-05	1.30E-08	2.26E+04	2.70E-04		175	25.99	25987	4.18E-04	4.18E-01	2.12E-05	2.12E-08	2.60E+04	9.35E-05
45	0.8560	243	24.20	24197	6.54E-04	6.54E-01	1.33E-05	1.33E-08	2.42E+04	1.48E-04		242	45.59	45586	4.18E-04	4.18E-01	4.70E-05	4.70E-08	4.56E+04	9.51E-05
46	0.8520	4	25.61	25612	5.32E-04	5.32E-01	1.34E-05	1.34E-08	2.56E+04	1.20E-04		227	30.74	30736	4.23E-04	4.23E-01	1.27E-04	1.27E-07	3.07E+04	9.54E-05
47	0.8480	143	20.92	20918	2.02E-03	2.02E+00	1.41E-05	1.41E-08	2.09E+04	4.56E-04		234	35.63	35629	4.29E-04	4.29E-01	3.06E-06	3.06E-09	3.56E+04	9.65E-05
48	0.8440	77	29.32	29319	4.67E-04	4.67E-01	1.43E-05	1.43E-08	2.93E+04	1.04E-04		49	30.74	30736	4.47E-04	4.47E-01	4.75E-05	4.75E-08	3.07E+04	1.03E-04
49	0.8400	52	50.00	50000	2.04E-03	2.04E+00	1.45E-05	1.45E-08	5.00E+04	1.17E-03		150	19.23	19226	4.47E-04	4.47E-01	3.47E-05	3.47E-08	1.92E+04	1.01E-04
50	0.8360	102	40.92	40922	4.07E-04	4.07E-01	1.46E-05	1.46E-08	4.09E+04	9.74E-05		6	22.60	22603	4.52E-04	4.52E-01	8.20E-05	8.20E-08	2.26E+04	1.12E-04
51	0.8320	221	14.09	14088	7.94E-04	7.94E-01	1.47E-05	1.47E-08	1.41E+04	1.79E-04		183	22.31	22306	4.62E-04	4.62E-01	3.16E-05	3.16E-08	2.23E+04	1.04E-04
52	0.8280	117	25.61	25612	8.80E-04	8.80E-01	1.48E-05	1.48E-08	2.56E+04	1.99E-04		51	30.74	30736	4.65E-04	4.65E-01	1.42E-04	1.42E-07	3.07E+04	1.11E-04
53	0.8240	134	14.19	14193	6.29E-04	6.29E-01	1.51E-05	1.51E-08	1.42E+04	1.42E-04		77	29.32	29319	4.67E-04	4.67E-01	1.43E-05	1.43E-08	2.93E+04	1.04E-04
54	0.8200	113	32.26	32255	5.37E-04	5.37E-01	1.53E-05	1.53E-08	3.23E+04	1.20E-04		211	32.26	32255	4.72E-04	4.72E-01	1.61E-05	1.61E-08	3.23E+04	1.07E-04
55	0.8160	180	31.74	31737	3.83E-04	3.83E-01	1.53E-05	1.53E-08	3.17E+04	8.57E-05		195	22.60	22603	4.73E-04	4.73E-01	4.07E-05	4.07E-08	2.26E+04	1.07E-04
56	0.8120	211	32.26	32255	4.72E-04	4.72E-01	1.61E-05	1.61E-08	3.23E+04	1.07E-04		1	34.45	34452	4.74E-04	4.74E-01	4.28E-05	4.28E-08	3.45E+04	1.06E-04
57	0.8080	144	35.63	35629	4.05E-04	4.05E-01	1.63E-05	1.63E-08	3.56E+04	9.10E-05		67	33.88	33884	4.81E-04	4.81E-01	1.24E-05	1.24E-08	3.39E+04	1.19E-04
58	0.8040	201	25.99	25987	1.05E-03	1.05E+00	1.64E-05	1.64E-08	2.60E+04	2.48E-04		62	29.32	29319	4.84E-04	4.84E-01	8.23E-05	8.23E-08	2.93E+04	1.10E-04
59	0.8000	208	12.49	12493	1.55E-03	1.55E+00	1.66E-05	1.66E-08	1.25E+04	3.48E-04		32	35.63	35629	4.88E-04	4.88E-01	4.13E-06	4.13E-09	3.56E+04	1.10E-04
60	0.7960	27	12.49	12493	4.07E-04	4.07E-01	1.68E-05	1.68E-08	1.25E+04	9.15E-05		231	28.87	28868	4.89E-04	4.89E-01	1.69E-04	1.69E-07	2.93E+04	1.14E-04
61	0.7920	218	24.20	24197	1.18E-03	1.18E+00	1.76E-05	1.76E-08	2.42E+04	2.74E-04		177	43.96	43959	4.91E-04	4.91E-01	3.62E-05	3.62E-08	4.40E+04	1.12E-04
62	0.7880	18	50.00	50000	4.13E-04	4.13E-01	1.77E-05	1.77E-08	5.00E+04	9.34E-05		43	22.60	22603	4.91E-04	4.91E-01	1.10E-04	1.10E-07	2.26E+04	1.10E-04
63	0.7840	205	22.60	22603	6.95E-04	6.95E-01	1.77E-05	1.77E-08	2.26E+04	1.71E-04		176	32.79	32786	5.00E-04	5.00E-01	3.26E-06	3.26E-09	3.23E+04	1.26E-04
64	0.7800	172	17.60	17600	1.34E-03	1.34E+00	1.77E-05	1.77E-08	1.76E+04	3.01E-04		69	37.50	37500	5.01E-04	5.01E-01	2.46E-05	2.46E-08	4.40E+04	1.13E-04
65	0.7760	14	14.19	14193	9.58E-04	9.58E-01	1.78E-05	1.78E-08	1.42E+04	2.15E-04		94	32.26	32255	5.02E-04	5.02E-01	3.25E-05	3.25E-08	3.23E+04	1.14E-04
66	0.7720	63	9.11	9107	9.91E-04	9.91E-01	1.79E-05	1.79E-08	9.11E+03	2.28E-04		106	37.50	37500	5.04E-04	5.04E-01	1.20E-05	1.20E-08	3.75E+04	1.24E-04
67	0.7680	105	50.00	50000	1.91E-02	1.91E+01	1.81E-05	1.81E-08	5.00E+04	1.13E-02		82	27.17	27165	5.07E-04	5.07E-01	6.44E-06	6.44E-09	2.72E+04	1.13E-04
68	0.7640	238	30.74	30736	5.89E-04	5.89E-01	1.83E-05	1.83E-08	3.07E+04	1.34E-04		169	38.82	38821	5.10E-04	5.10E-01	1.02E-05	1.02E-08	3.88E+04	1.14E-04
69	0.7600	58	30.74	30736	4.03E-04	4.03E-01	1.85E-05	1.85E-08	3.07E+04	9.48E-05		237	24.20	24197	5.12E-04	5.12E-01	1.45E-04	1.45E-07	2.42E+04	1.15E-04
70	0.7560	213	18.58	18581	9.73E-04	9.73E-01	1.89E-05	1.89E-08	1.86E+04	2.17E-04		135	19.23	19226	5.13E-04	5.13E-01	6.52E-05	6.52E-08	1.92E+04	1.23E-04
71	0.7520	123	17.42	17417	5.56E-04	5.56E-01	1.92E-05	1.92E-08	1.74E+04	1.26E-04		56	32.26	32255	5.13E-04	5.13E-01	2.93E-05	2.93E-08	3.23E+04	1.14E-04
72	0.7480	149	29.32	29319	3.63E-04	3.63E-01	1.93E-05	1.93E-08	2.93E+04	8.23E-05		4	25.61	25612	5.32E-04	5.32E-01	1.34E-05	1.34E-08	2.56E+04	1.20E-04
73	0.7440	179	15.95	15948	8.51E-04	8.51E-01	1.96E-05	1.96E-08	1.59E+04	1.91E-04		224	34.45	34452	5.33E-04	5.33E-01	5.71E-05	5.71E-08	3.45E+04	1.21E-04
74	0.7400	53	27.58	27576	1.32E-03	1.32E+00	1.96E-05	1.96E-08	2.76E+04	2.98E-04		90	40.92	40922	5.34E-04	5.34E-01	8.10E-06	8.10E-09	4.09E+04	1.29E-04
75	0.7360	163	20.92	20918	5.59E-04	5.59E-01	1.96E-05	1.96E-08	2.09E+04	1.27E-04		113	32.26	32255	5.37E-04	5.37E-01	1.53E-05	1.53E-08	3.23E+04	1.20E-04
76	0.7320	217	50.00	50000	3.89E-03	3.89E+00	2.00E-05	2.00E-08	5.00E+04	2.25E-03		187	19.23	19226	5.38E-04	5.38E-01	9.17E-06	9.17E-09	1.92E+04	1.21E-04
77	0.7280	101	24.20	24197	7.45E-04	7.45E-01	2.01E-05	2.01E-08	2.42E+04	1.79E-04		228	25.61	25612	5.40E-04	5.40E-01	4.47E-05	4.47E-08	3.45E+04	1.22E-04
78	0.7240	206	17.60	17600	6.77E-04	6.77E-01	2.03E-05	2.03E-08	1.76E+04	1.53E-04		123	17.42	17417	5.56E-04	5.56E-01	1.92E-05	1.92E-08	1.74E+04	1.26E-04
79	0.7200	161	27.58	27576	1.08E-03	1.08E+00	2.05E-05	2.05E-08	2.76E+04	2.44E-04		163	20.92	20918	5.59E-04	5.59E-01	1.96E-05	1.96E-08	2.09E+04	1.27E-04
80	0.7160	92	49.08	49076	3.27E-04	3.27E-01	2.08E-05	2.08E-08	4.91E+04	7.22E-05		241	32.26	32255	5.60E-04	5.60E-01	9.87E-06	9.87E-09	3.23E+04	1.27E-04
81	0.7120	175	25.99	25987	4.18E-04	4.18E-01	2.12E-05	2.12E-08	2.60E+04	9.35E-05		225	25.99	25987	5.72E-04	5.72E-01	6.56E-05	6.56E-08	2.60E+04	1.28E-04
82	0.7080	165	10.83	10832	9.57E-04	9.57E-01	2.20E-05	2.20E-08	1.25E+04	2.37E-04		57	34.45	34452	5.77E-04	5.77E-01	1.29E-04	1.29E-07	3.45E+04	1.30E-04
83	0.7040	84	40.92	40922	3.17E-04	3.17E-01	2.20E-05	2.20E-08	4.09E+04	7.57E-05		235	30.74	30736	5.83E-04	5.83E-01	4.07E-05	4.07E-08	3.07E+04	1.33E-04
84	0.7000	191	14.19	14193	9.48E-04	9.48E-01	2.21E-05	2.21E-08	1.42E+04	2.14E-04		70	39.51	39505	5.89E-04	5.89E-01	2.75E-05	2.75E-08	3.95E+04	1.32E-04
85	0.6960	230	27.58	27576	7.60E-04	7.60E-01	2.26E-05	2.26E-08	2.76E+04	1.73E-04		238	30.74	30736	5.89E-04	5.89E-01	1.83E-05	1.83E-08	3.07E+04	1.34E-04
86	0.6920	96	38.82	38821	6.50E-04	6.50E-01	2.27E-05	2.27E-08	3.88E+04	1.46E-04		44	20.92	20918	5.92E-04	5.92E-01	6.01E-06	6.01E-09	2.09E+04	1.32E-04
87	0.6880	107	24.20	24197	8.54E-04	8.54E-01	2.28E-05	2.28E-08	2.42E+04	1.93E-04		173	30.74	30736	6.01E-04	6.01E-01	4.43E-05	4.43E-08	3.07E+04	1.36E-04

3/3/00
DBJ

Enhanced WP corrosion + lower Tc solubility Sorted 2 of 3

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
88	0.6840	162	27.17	27165	1.13E-03	1.13E+00	2.31E-05	2.31E-08	2.72E+04	2.51E-04		124	19.23	19226	6.12E-04	6.12E-01	1.57E-04	1.57E-07	1.92E+04	1.39E-04
89	0.6800	131	15.80	15803	1.16E-03	1.16E+00	2.33E-05	2.33E-08	1.58E+04	2.63E-04		134	14.19	14193	6.29E-04	6.29E-01	1.51E-05	1.51E-08	1.42E+04	1.42E-04
90	0.6760	91	50.00	50000	8.39E-04	8.39E-01	2.37E-05	2.37E-08	5.00E+04	4.47E-04		10	25.61	25612	6.30E-04	6.30E-01	1.34E-04	1.34E-07	2.56E+04	1.43E-04
91	0.6720	36	19.23	19226	6.43E-04	6.43E-01	2.44E-05	2.44E-08	1.92E+04	1.44E-04		36	19.23	19226	6.43E-04	6.43E-01	2.44E-05	2.44E-08	1.92E+04	1.44E-04
92	0.6680	209	27.58	27576	9.36E-04	9.36E-01	2.45E-05	2.45E-08	2.76E+04	2.09E-04		96	38.82	38821	6.50E-04	6.50E-01	2.27E-05	2.27E-08	3.88E+04	1.46E-04
93	0.6640	69	37.50	37500	5.01E-04	5.01E-01	2.46E-05	2.46E-08	4.40E+04	1.13E-04		243	24.20	24197	6.54E-04	6.54E-01	1.33E-05	1.33E-08	2.42E+04	1.48E-04
94	0.6600	15	15.80	15803	1.07E-03	1.07E+00	2.49E-05	2.49E-08	1.58E+04	2.40E-04		206	17.60	17600	6.77E-04	6.77E-01	2.03E-05	2.03E-08	1.76E+04	1.53E-04
95	0.6560	142	14.09	14088	3.70E-04	3.70E-01	2.50E-05	2.50E-08	1.41E+04	8.35E-05		35	15.95	15948	6.87E-04	6.87E-01	9.23E-06	9.23E-09	1.59E+04	1.74E-04
96	0.6520	93	25.99	25987	8.93E-04	8.93E-01	2.54E-05	2.54E-08	2.60E+04	2.01E-04		59	19.23	19226	6.94E-04	6.94E-01	9.56E-06	9.56E-09	1.92E+04	1.56E-04
97	0.6480	25	50.00	50000	2.79E-04	2.79E-01	2.56E-05	2.56E-08	5.00E+04	6.18E-05		205	22.60	22603	6.95E-04	6.95E-01	1.77E-05	1.77E-08	2.26E+04	1.71E-04
98	0.6440	200	33.88	33884	1.03E-03	1.03E+00	2.57E-05	2.57E-08	3.39E+04	2.35E-04		22	21.45	21454	7.06E-04	7.06E-01	3.41E-05	3.41E-08	2.15E+04	1.58E-04
99	0.6400	81	22.31	22306	1.42E-03	1.42E+00	2.58E-05	2.58E-08	2.23E+04	3.22E-04		236	36.24	36238	7.08E-04	7.08E-01	1.25E-04	1.25E-07	3.62E+04	1.72E-04
100	0.6360	203	50.00	50000	4.57E-03	4.57E+00	2.60E-05	2.60E-08	5.00E+04	2.65E-03		181	29.32	29319	7.11E-04	7.11E-01	2.21E-04	2.21E-07	2.93E+04	1.67E-04
101	0.6320	222	24.20	24197	1.03E-03	1.03E+00	2.61E-05	2.61E-08	2.42E+04	2.33E-04		46	22.31	22306	7.16E-04	7.16E-01	5.63E-05	5.63E-08	2.23E+04	1.61E-04
102	0.6280	89	15.80	15803	1.07E-03	1.07E+00	2.63E-05	2.63E-08	1.58E+04	2.65E-04		54	46.43	46429	7.22E-04	7.22E-01	9.36E-05	9.36E-08	4.64E+04	1.64E-04
103	0.6240	70	39.51	39505	5.89E-04	5.89E-01	2.75E-05	2.75E-08	3.95E+04	1.32E-04		240	20.66	20659	7.26E-04	7.26E-01	4.24E-04	4.24E-07	2.07E+04	1.65E-04
104	0.6200	132	50.00	50000	2.44E-03	2.44E+00	2.78E-05	2.78E-08	5.00E+04	1.39E-03		86	32.79	32786	7.33E-04	7.33E-01	3.55E-04	3.55E-07	3.28E+04	1.69E-04
105	0.6160	100	20.41	20406	9.71E-04	9.71E-01	2.81E-05	2.81E-08	2.04E+04	2.33E-04		115	45.59	45586	7.34E-04	7.34E-01	4.04E-05	4.04E-08	4.56E+04	4.21E-04
106	0.6120	85	22.60	22603	1.68E-03	1.68E+00	2.87E-05	2.87E-08	2.26E+04	4.15E-04		8	27.58	27576	7.41E-04	7.41E-01	7.96E-05	7.96E-08	2.76E+04	1.70E-04
107	0.6080	220	14.19	14193	3.98E-04	3.98E-01	2.91E-05	2.91E-08	1.42E+04	9.01E-05		101	24.20	24197	7.45E-04	7.45E-01	2.01E-05	2.01E-08	2.42E+04	1.79E-04
108	0.6040	56	32.26	32255	5.13E-04	5.13E-01	2.93E-05	2.93E-08	3.23E+04	1.14E-04		20	50.00	50000	7.57E-04	7.57E-01	1.00E-06	1.00E-09	5.00E+04	4.47E-04
109	0.6000	110	37.50	37500	8.10E-04	8.10E-01	2.93E-05	2.93E-08	3.75E+04	1.85E-04		40	19.23	19226	7.58E-04	7.58E-01	6.20E-05	6.20E-08	1.92E+04	1.70E-04
110	0.5960	61	15.80	15803	1.19E-03	1.19E+00	2.94E-05	2.94E-08	1.58E+04	2.69E-04		230	27.58	27576	7.60E-04	7.60E-01	2.26E-05	2.26E-08	2.76E+04	1.73E-04
111	0.5920	109	32.79	32786	7.64E-04	7.64E-01	2.94E-05	2.94E-08	3.28E+04	1.73E-04		109	32.79	32786	7.64E-04	7.64E-01	2.94E-05	2.94E-08	3.28E+04	1.73E-04
112	0.5880	192	22.60	22603	9.64E-04	9.64E-01	3.10E-05	3.10E-08	2.26E+04	2.15E-04		98	19.45	19451	7.69E-04	7.69E-01	5.06E-05	5.06E-08	1.95E+04	1.86E-04
113	0.5840	12	28.43	28427	1.21E-03	1.21E+00	3.10E-05	3.10E-08	2.84E+04	2.70E-04		129	30.74	30736	7.70E-04	7.70E-01	8.84E-06	8.84E-09	3.07E+04	1.76E-04
114	0.5800	119	17.60	17600	3.19E-03	3.19E+00	3.14E-05	3.14E-08	1.76E+04	7.17E-04		112	13.33	13330	7.75E-04	7.75E-01	7.77E-06	7.77E-09	5.00E+04	2.34E-04
115	0.5760	183	22.31	22306	4.62E-04	4.62E-01	3.16E-05	3.16E-08	2.23E+04	1.04E-04		95	35.63	35629	7.77E-04	7.77E-01	3.67E-05	3.67E-08	3.56E+04	1.76E-04
116	0.5720	94	32.26	32255	5.02E-04	5.02E-01	3.25E-05	3.25E-08	3.23E+04	1.14E-04		29	42.41	42405	7.81E-04	7.81E-01	9.80E-05	9.80E-08	4.24E+04	1.78E-04
117	0.5680	122	37.50	37500	7.65E-02	7.65E+01	3.32E-05	3.32E-08	3.75E+04	4.52E-02		31	30.74	30736	7.83E-04	7.83E-01	9.27E-06	9.27E-09	3.07E+04	1.76E-04
118	0.5640	190	14.19	14193	1.60E-03	1.60E+00	3.34E-05	3.34E-08	1.42E+04	3.62E-04		221	14.09	14088	7.94E-04	7.94E-01	1.47E-05	1.47E-08	1.41E+04	1.79E-04
119	0.5600	22	21.45	21454	7.06E-04	7.06E-01	3.41E-05	3.41E-08	2.15E+04	1.58E-04		199	15.00	15000	7.99E-04	7.99E-01	1.07E-05	1.07E-08	1.50E+04	1.80E-04
120	0.5560	42	10.18	10177	1.01E-03	1.01E+00	3.45E-05	3.45E-08	1.02E+04	2.44E-04		216	37.50	37500	8.01E-04	8.01E-01	1.05E-04	1.05E-07	3.75E+04	1.82E-04
121	0.5520	68	31.23	31231	9.50E-04	9.50E-01	3.46E-05	3.46E-08	3.23E+04	2.31E-04		210	32.26	32255	8.03E-04	8.03E-01	1.84E-04	1.84E-07	3.23E+04	1.87E-04
122	0.5480	150	19.23	19226	4.47E-04	4.47E-01	3.47E-05	3.47E-08	1.92E+04	1.01E-04		110	37.50	37500	8.10E-04	8.10E-01	2.93E-05	2.93E-08	3.75E+04	1.85E-04
123	0.5440	103	24.20	24197	1.10E-03	1.10E+00	3.58E-05	3.58E-08	2.42E+04	2.48E-04		26	30.74	30736	8.15E-04	8.15E-01	1.05E-04	1.05E-07	3.07E+04	1.95E-04
124	0.5400	177	43.96	43959	4.91E-04	4.91E-01	3.62E-05	3.62E-08	4.40E+04	1.12E-04		80	12.56	12561	8.24E-04	8.24E-01	4.77E-05	4.77E-08	1.26E+04	1.86E-04
125	0.5360	19	19.23	19226	1.16E-03	1.16E+00	3.65E-05	3.65E-08	1.92E+04	2.62E-04		171	47.29	47291	8.37E-04	8.37E-01	6.25E-05	6.25E-08	4.73E+04	1.90E-04
126	0.5320	226	27.58	27576	1.91E-03	1.91E+00	3.66E-05	3.66E-08	2.76E+04	4.45E-04		232	30.74	30736	8.38E-04	8.38E-01	1.02E-05	1.02E-08	3.07E+04	1.99E-04
127	0.5280	138	50.00	50000	1.11E-02	1.11E+01	3.66E-05	3.66E-08	5.00E+04	6.52E-03		136	30.74	30736	8.39E-04	8.39E-01	2.01E-04	2.01E-07	3.07E+04	1.91E-04
128	0.5240	95	35.63	35629	7.77E-04	7.77E-01	3.67E-05	3.67E-08	3.56E+04	1.76E-04		91	50.00	50000	8.39E-04	8.39E-01	2.37E-05	2.37E-08	5.00E+04	4.47E-04
129	0.5200	74	15.95	15948	1.35E-03	1.35E+00	3.69E-05	3.69E-08	1.58E+04	3.40E-04		179	15.95	15948	8.51E-04	8.51E-01	1.96E-05	1.96E-08	1.59E+04	1.91E-04
130	0.5160	215	12.49	12493	1.05E-03	1.05E+00	3.78E-05	3.78E-08	1.25E+04	2.36E-04		107	24.20	24197	8.54E-04	8.54E-01	2.28E-05	2.28E-08	2.42E+04	1.93E-04
131	0.5120	219	14.19	14193	9.01E-04	9.01E-01	3.92E-05	3.92E-08	1.42E+04	2.04E-04		233	22.31	22306	8.60E-04	8.60E-01	4.81E-05	4.81E-08	2.23E+04	2.01E-04
132	0.5080	47	24.20	24197	2.38E-04	2.38E-01	3.95E-05	3.95E-08	2.42E+04	5.79E-05		72	48.17	48173	8.65E-04	8.65E-01	5.03E-05	5.03E-08	4.82E+04	1.93E-04
133	0.5040	5	27.58	27576	1.40E-03	1.40E+00	4.04E-05	4.04E-08	2.76E+04	3.15E-04		30	36.24	36238	8.69E-04	8.69E-01	8.58E-05	8.58E-08	3.62E+04	1.97E-04
134	0.5000	115	45.59	45586	7.34E-04	7.34E-01	4.04E-05	4.04E-08	4.56E+04	4.21E-04		157	32.26	32255	8.74E-04	8.74E-01	2.04E-04	2.04E-07	3.23E+04	1.99E-04
135	0.4960	235	30.74	30736	5.83E-04	5.83E-01	4.07E-05	4.07E-08	3.07E+04	1.33E-04		164	15.80	15803	8.76E-04	8.76E-01	1.30E-05	1.30E-08	1.58E+04	1.97E-04
136	0.4920	195	22.60	22603	4.73E-04	4.73E-01	4.07E-05	4.07E-08	2.26E+04	1.07E-04		117	25.61	25612	8.80E-04	8.80E-01	1.48E-05	1.48E-08	2.56E+04	1.99E-04
137	0.4880	21	19.23	19226	1.08E-03	1.08E+00	4.26E-05	4.26E-08	1.92E+04	2.45E-04		93	25.99	25987	8.93E-04	8.93E-01	2.54E-05	2.54E-08	2.60E+04	2.01E-04
138	0.4840	1	34.45	34452	4.74E-04	4.74E-01	4.28E-05	4.28E-08	3.45E+04	1.06E-04		147	29.32	29319	8.96E-04	8.96E-01	8.97E-06	8.97E-09	2.93E+04	2.17E-04
139	0.4800	16	50.00	50000	8.54E-02	8.54E+01	4.36E-05	4.36E-08	5.00E+04	5.05E-02		87	27.58	27576	8.97E-04	8.97E-01	6.67E-05	6.67E-08	2.76E+04	2.04E-04
140	0.4760	207	24.20	24197	9.52E-04	9.52E-01	4.39E-05	4.39E-08	2.42E+04	2.14E-04		219	14.19	14193	9.01E-04	9.01E-01	3.92E-05	3.92E-08	1.42E+04	2.04E-04
141	0.4720	173	30.74	30736	6.01E-04	6.01E-01	4.43E-05	4.43E-08	3.07E+04	1.36E-04		178	27.58	27576	9.23E-04	9.23E-01	1.04E-04	1.04E-07	2.76E+04	2.10E-04
142	0.4680	166	35.63	35629	1.46E-03	1.46E+00	4.46E-05	4.46E-08	2.26E+04	3.57E-04		38	24.20	24197	9.31E-04	9.31E-01	5.32E-05	5.32E-08	2.42E+04	2.11E-04
143	0.4640	228	25.61	25612	5.40E-04	5.40E-01	4.47E-05	4.47E-08	3.45E+04	1.22E-04		116	22.60	22603	9.33E-04	9.33E-01	5.06E-05	5.06E-08	2.26E+04	2.09E-04
144	0.4600	156	38.82	38821	1.30E-03	1.30E+00	4.49E-05	4.49E-08	3.88E+04	2.95E-04		209	27.58	27576	9.36E-04	9.36E-01	2.45E-05	2.45E-08	2.76E+04	2.09E-04
145	0.4560	152	25.61	25612	2.33E-03	2.33E+00	4.57E-05	4.57E-08	2.56E+04	5.86E-04		191	14.19	14193	9.48E-04	9.48E-01	2.21E-05	2.21E-08	1.42E+04	2.14E-04
146	0.4520	242	45.59	45586	4.18E-04	4.18E-01	4.70E-05	4.70E-08	4.56E+04	9.51E-05		68	31.23	31231	9.50E-04	9.50E-01	3.46E-05	3.46E-08	3.23E+04	2.31E-04
147	0.4480	49	30.74	30736	4.47E-04	4.47E-01	4.75E-05	4.75E-08	3.07E+04	1.03E-04		207	24.20	24197	9.52E-04	9.52E-01	4.39E-05	4.39E-08	2.42E+04	2.14E-04
148	0.4440	80	12.56	12561	8.24E-04	8.24E-01	4.77E-05	4.77E-08	1.26E+04	1.86E-04		165	10.83	10832	9.57E-04	9.57E-01	2.20E-05	2.20E-08	1.25E+04	2.37E-04
149	0.4400	233	22.31	22306	8.60E-04	8.60E-01	4.81E-05	4.81E-08	2.23E+04	2.01E-04		14	14.19	14193	9.58E-04	9.58E-01	1.78E-05	1.78E-08	1.42E+04	2.15E-04
150	0.4360	125	47.29	47291	1.07E-02	1.07E+01	5.01E-05	5.01E-08	4.73E+04	6.29E-03		2	50.00	50000	9.62E-04	9.62E-01	5.05E-05	5.05E-08	5.00E+04	2.19E-04
151	0.4320	72	48.17	48173	8.65E-04	8.65E-01	5.03E-05	5.03E-08	4.82E+04	1.93E-04		192	22.60	22603	9.64E-04	9.64E-01	3.10E-05	3.10E-08	2.26E+04	2.15E-04
152	0.4280	2	50.00	50000	9.62E-04	9.62E-01	5.05E-05	5.05E-08	5.00E+04	2.19E-04		100	20.41	20406	9.71E-04	9.71E-01	2.81E-05	2.81E-08	2.04E+04	2.33E-04
153	0.4240	116	22.60	22603	9.33E-04	9.33E-01	5.06E-05	5.06E-08	2.26E+04	2.09E-04		213	18.58	18581	9.73E-04	9.73E-01	1.89E-05	1.89E-08	1.86E+04	2.17E-04
154	0.4200	98	19.45	19451	7.69E-04	7.69E-01	5.06E-05	5.06E-08	1.95E+04	1.86E-04		63	9.11	9107	9.91E-04	9.91E-01	1.79E-05	1.79E-08	9.11E+03	2.28E-04
155	0.4160	60	20.92	20918	1.03E-03	1.03E+00	5.06E-05	5.06E-08	2.09E+04	2.41E-04		182	32.79	32786	1.00E-03	1.00E+00	1.13E-04	1.13E-07	3.28E+04	2.36E-04
156	0.4120	141	19.23	19226	1.59E-03	1.59E+00	5.11E-05	5.11E-08	5.00E+04	3.80E-04		42	10.18	10177	1.01E-03	1.01E+00	3.45E-05	3.45E-08	1.02E+04	2.44E-04
157	0.4080	174	29.78	29780	1.49E-03	1.49E+00	5.15E-05	5.15E-08	2.98E+04	3.36E-04		222	24.20	24197	1.03E-03	1.03E+00	2.61E-05	2.61E-08	2.42E+04	2.33E-04
158	0.4040	38	24.20	24197	9.31E-04	9.31E-01	5.32E-05	5.32E-08	2.42E+04	2.11E-04		200	33.88	33884	1.03E-03	1.03E+00	2.57E-05	2.57E-08	3.39E+04	2.35E-04
159	0.4000	9	24.20	24197	1.10E-03	1.10E+00	5.40E-05	5.40E-08	2.76E+04	2.51E-04		114	24.20	24197	1.03E-03	1.03E+00	1.05E-04	1.05E-07	2.42E+04	2.34E-04
160	0.3960	46	22.31	22306	7.16E-04	7.16E-01	5.63E-05	5.63E-08	2.23E+04	1.61E-04		60	20.92	20918	1.03E-03	1.03E+00	5.06E-05	5.06E-08	2.09E+04	2.41E-04
161	0.3920	224	34.45	34452	5.33E-04	5.33E-01	5.71E-05	5.71E-08	3.45E+04	1.21E-04		75	27.58	27576	1.05E-03	1.05E+00	2.67E-04	2.67E-07	2.76E+04	2.34E-04
162	0.3880	167	14.19	14193	1.46E-03	1.46E+00	5.84E-05	5.84E-08	1.42E+04	3.57E-04		66	40.92	40922	1.05E-03	1.05E+00	1.24E-04	1.24E-07	4.09E+04	2.41E-04
163	0.3840	79	50.00	50000	6.70E-02	6.70E+01	6.18E-05	6.18E-08	5.00E+04	3.95E-02		215	12.49	12493	1.05E-03	1.05E+00	3.78E-05	3.78E-08	1.25E+04	2.36E-04
164	0.3800	40	19.23	19226	7.58E-04	7.58E-01	6.20E-05	6.20E-08	1.92E+04	1.70E-04		201	25.99	25987	1.05E-03	1.05E+00	1.64E-05	1.64E-08	2.60E+04	2.48E-04
165	0.3760	171	47.29	47291	8.37E-04	8.37E-01	6.25E-05	6.25E-08	4.73E+04	1.90E-04		64	32.79	32786	1.06E-03	1.06E+00	1.40E-04	1.40E-07	3.28E+04	2.40E-04
166	0.3720	246	50.00	50000	3.96E-03	3.96E+00	6.27E-05	6.27E-08	5.00E+04	2.27E-03		28	24.20	24197	1.06E-03	1.06E+00	1.11E-04	1.11E-07	2.42E+04	2.41E-04
167	0.3680	146	50.00	50000	5.03E-03	5.03E+00	6.37E-05	6.37E-08	5.00E+04	2.92E-03		15	15.80	15803	1.07E-03	1.07E+00	2.49E-05	2.49E-08	1.58E+04	2.40E-04
168	0.3640	160	27.58	27576	2.17E-03	2.17E+00	6.46E-05	6.46E-08	2.76E+04	4.94E-04		89	15.80	15803	1.07E-03	1.07E+00	2.63E-05	2.63E-08	1.58E+04	2.65E-04
169	0.3600	135	19.23	19226	5.13E-04	5.13E-01	6.52E-05	6.52E-08	1.92E+04	1.23E-04		21	19.23	19226	1.08E-03	1.08E+00	4.26E-05	4.26E-08	1.92E+04	2.45E-04
170	0.3560	225	25.99	25987	5.72E-04	5.72E-01	6.56E-05	6.56E-08	2.60E+04	1.28E-04		161	27.58	27576	1.08E-03	1.08E+00	2.05E-05	2.05E-08	2.76E+04	2.44E-04
171	0.3520	193	45.59	45586	1.33E-03	1.33E+00	6.56E-05	6.56E-08	4.56E+04	3.01E-04		128	32.79	32786	1.09E-03	1.09E+00	1.35E-04	1.35E-07	3.28E+04	2.49E-04
172	0.3480	87	27.58	27576	8.97E-04	8.97E-01	6.67E-05	6.67E-08	2.76E+04	2.04E-04		103	24.20	24197	1.10E-03	1.10E+00	3.58E-05	3.58E-08	2.42E+04	2.48E-04
173	0.3440	120	20.16	20159	1.66E-03	1.66E+00	7.01E-05	7.01E-08	2.02E+04	3.72E-04		9	24.20	24197	1.10E-03	1.10E+00	5.40E-05	5.40E-08	2.76E+04	2.51E-04
174	0.3400	88	20.92	20918	6.65E-02	6.65E+01	7.17E-05	7.17E-08	2.09E+04	3.91E-02		155	47.29	47291	1.11E-03	1.11E+00	5.21E-06	5.21E-09	4.73E+04	2.52E-04

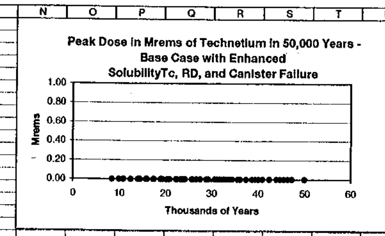
3/8/00
DBJ

Enhanced WP corrosion + lower Tc solubility Sorted 3 of 3

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
175	0.3360	198	50.00	50000	1.56E-02	1.56E+01	7.27E-05	7.27E-08	5.00E+04	9.19E-03		162	27.17	27165	1.13E-03	1.13E+00	2.31E-05	2.31E-08	2.72E+04	2.51E-04
176	0.3320	23	12.49	12493	2.59E-04	2.59E-01	7.32E-05	7.32E-08	1.25E+04	5.81E-05		19	19.23	19226	1.16E-03	1.16E+00	3.65E-05	3.65E-08	1.92E+04	2.62E-04
177	0.3280	99	22.60	22603	1.22E-03	1.22E+00	7.37E-05	7.37E-08	2.26E+04	2.94E-04		131	15.80	15803	1.16E-03	1.16E+00	2.33E-05	2.33E-08	1.58E+04	2.63E-04
178	0.3240	184	25.99	25987	1.33E-03	1.33E+00	7.66E-05	7.66E-08	2.60E+04	3.13E-04		218	24.20	24197	1.18E-03	1.18E+00	1.76E-05	1.76E-08	2.42E+04	2.74E-04
179	0.3200	104	50.00	50000	1.24E-02	1.24E+01	7.85E-05	7.85E-08	5.00E+04	7.31E-03		229	33.88	33884	1.19E-03	1.19E+00	9.32E-05	9.32E-08	3.45E+04	2.73E-04
180	0.3160	130	30.74	30736	1.49E-03	1.49E+00	7.93E-05	7.93E-08	3.07E+04	3.40E-04		61	15.80	15803	1.19E-03	1.19E+00	2.94E-05	2.94E-08	1.58E+04	2.69E-04
181	0.3120	8	27.58	27576	7.41E-04	7.41E-01	7.96E-05	7.96E-08	2.76E+04	1.70E-04		33	22.60	22603	1.20E-03	1.20E+00	1.30E-05	1.30E-08	2.26E+04	2.70E-04
182	0.3080	140	15.80	15803	1.91E-03	1.91E+00	8.07E-05	8.07E-08	1.58E+04	4.80E-04		12	28.43	28427	1.21E-03	1.21E+00	3.10E-05	3.10E-08	2.84E+04	2.70E-04
183	0.3040	158	50.00	50000	1.88E-02	1.88E+01	8.17E-05	8.17E-08	5.00E+04	1.11E-02		99	22.60	22603	1.22E-03	1.22E+00	7.37E-05	7.37E-08	2.26E+04	2.94E-04
184	0.3000	6	22.60	22603	4.52E-04	4.52E-01	8.20E-05	8.20E-08	2.26E+04	1.12E-04		196	19.23	19226	1.24E-03	1.24E+00	9.27E-06	9.27E-09	1.92E+04	3.01E-04
185	0.2960	62	29.32	29319	4.84E-04	4.84E-01	8.23E-05	8.23E-08	2.93E+04	1.10E-04		223	19.01	19006	1.29E-03	1.29E+00	9.31E-05	9.31E-08	1.90E+04	2.93E-04
186	0.2920	154	50.00	50000	2.94E-03	2.94E+00	8.39E-05	8.39E-08	5.00E+04	1.69E-03		156	38.82	38821	1.30E-03	1.30E+00	4.49E-05	4.49E-08	3.88E+04	2.95E-04
187	0.2880	76	29.32	29319	1.69E-03	1.69E+00	8.41E-05	8.41E-08	2.93E+04	3.84E-04		37	25.61	25612	1.31E-03	1.31E+00	8.92E-04	8.92E-07	2.56E+04	2.97E-04
188	0.2840	185	35.63	35629	3.45E-04	3.45E-01	8.42E-05	8.42E-08	3.56E+04	7.84E-05		78	29.32	29319	1.31E-03	1.31E+00	1.31E-04	1.31E-07	2.93E+04	2.94E-04
189	0.2800	239	19.01	19006	2.25E-03	2.25E+00	8.49E-05	8.49E-08	1.90E+04	5.09E-04		53	27.58	27576	1.32E-03	1.32E+00	1.96E-05	1.96E-08	2.76E+04	2.98E-04
190	0.2760	247	37.50	37500	4.55E-03	4.55E+00	8.54E-05	8.54E-08	3.75E+04	2.66E-03		197	25.99	25987	1.32E-03	1.32E+00	1.03E-04	1.03E-07	2.60E+04	3.00E-04
191	0.2720	30	36.24	36238	8.69E-04	8.69E-01	8.58E-05	8.58E-08	3.62E+04	1.97E-04		184	25.99	25987	1.33E-03	1.33E+00	7.66E-05	7.66E-08	2.60E+04	3.13E-04
192	0.2680	214	29.32	29319	2.15E-02	2.15E+01	8.81E-05	8.81E-08	2.93E+04	1.26E-02		193	45.59	45586	1.33E-03	1.33E+00	6.56E-05	6.56E-08	4.56E+04	3.01E-04
193	0.2640	202	36.24	36238	2.63E-04	2.63E-01	9.16E-05	9.16E-08	3.62E+04	5.99E-05		172	17.60	17600	1.34E-03	1.34E+00	1.77E-05	1.77E-08	1.76E+04	3.01E-04
194	0.2600	223	19.01	19006	1.29E-03	1.29E+00	9.31E-05	9.31E-08	1.90E+04	2.93E-04		74	15.95	15948	1.35E-03	1.35E+00	3.69E-05	3.69E-08	1.58E+04	3.40E-04
195	0.2560	229	33.88	33884	1.19E-03	1.19E+00	9.32E-05	9.32E-08	3.45E+04	2.73E-04		111	35.63	35629	1.37E-03	1.37E+00	1.94E-04	1.94E-07	3.56E+04	3.91E-04
196	0.2520	54	46.43	46429	7.22E-04	7.22E-01	9.36E-05	9.36E-08	4.64E+04	1.64E-04		5	27.58	27576	1.40E-03	1.40E+00	4.04E-05	4.04E-08	2.76E+04	3.15E-04
197	0.2480	249	45.59	45586	3.96E-04	3.96E-01	9.50E-05	9.50E-08	4.56E+04	9.01E-05		81	22.31	22306	1.42E-03	1.42E+00	2.58E-05	2.58E-08	2.23E+04	3.22E-04
198	0.2440	186	38.82	38821	8.16E-02	8.16E+01	9.50E-05	9.50E-08	3.88E+04	4.82E-02		167	14.19	14193	1.46E-03	1.46E+00	5.84E-05	5.84E-08	1.42E+04	3.57E-04
199	0.2400	194	50.00	50000	3.66E-04	3.66E-01	9.58E-05	9.58E-08	5.00E+04	8.33E-05		166	35.63	35629	1.46E-03	1.46E+00	4.46E-05	4.46E-08	2.26E+04	3.57E-04
200	0.2360	29	42.41	42405	7.81E-04	7.81E-01	9.80E-05	9.80E-08	4.24E+04	1.78E-04		151	27.58	27576	1.49E-03	1.49E+00	1.24E-04	1.24E-07	2.76E+04	3.38E-04
201	0.2320	197	25.99	25987	1.32E-03	1.32E+00	1.03E-04	1.03E-07	2.60E+04	3.00E-04		174	29.78	29780	1.49E-03	1.49E+00	5.15E-05	5.15E-08	2.98E+04	3.36E-04
202	0.2280	83	36.24	36238	5.10E-02	5.10E+01	1.04E-04	1.04E-07	3.62E+04	3.01E-02		130	30.74	30736	1.49E-03	1.49E+00	7.93E-05	7.93E-08	3.07E+04	3.40E-04
203	0.2240	178	27.58	27576	9.23E-04	9.23E-01	1.04E-04	1.04E-07	2.76E+04	2.10E-04		126	35.63	35629	1.54E-03	1.54E+00	1.55E-04	1.55E-07	3.56E+04	3.83E-04
204	0.2200	114	24.20	24197	1.03E-03	1.03E+00	1.05E-04	1.05E-07	2.42E+04	2.34E-04		118	14.19	14193	1.54E-03	1.54E+00	1.29E-05	1.29E-08	1.42E+04	3.81E-04
205	0.2160	216	37.50	37500	8.01E-04	8.01E-01	1.05E-04	1.05E-07	3.75E+04	1.82E-04		208	12.49	12493	1.55E-03	1.55E+00	1.66E-05	1.66E-08	1.25E+04	3.48E-04
206	0.2120	26	30.74	30736	8.15E-04	8.15E-01	1.05E-04	1.05E-07	3.07E+04	1.95E-04		13	14.19	14193	1.57E-03	1.57E+00	3.40E-04	3.40E-07	1.42E+04	3.70E-04
207	0.2080	133	50.00	50000	4.48E-02	4.48E+01	1.08E-04	1.08E-07	5.00E+04	2.64E-02		141	19.23	19226	1.59E-03	1.59E+00	5.11E-05	5.11E-08	5.00E+04	3.80E-04
208	0.2040	41	37.50	37500	3.66E-03	3.66E+00	1.09E-04	1.09E-07	3.75E+04	2.08E-03		170	25.99	25987	1.60E-03	1.60E+00	1.62E-04	1.62E-07	2.60E+04	3.63E-04
209	0.2000	43	22.60	22603	4.91E-04	4.91E-01	1.10E-04	1.10E-07	2.26E+04	1.10E-04		24	20.92	20918	1.60E-03	1.60E+00	2.01E-04	2.01E-07	2.09E+04	3.71E-04
210	0.1960	28	24.20	24197	1.06E-03	1.06E+00	1.11E-04	1.11E-07	2.42E+04	2.41E-04		190	14.19	14193	1.60E-03	1.60E+00	3.34E-05	3.34E-08	1.42E+04	3.62E-04
211	0.1920	182	32.79	32786	1.00E-03	1.00E+00	1.13E-04	1.13E-07	3.28E+04	2.36E-04		120	20.16	20159	1.66E-03	1.66E+00	7.01E-05	7.01E-08	2.02E+04	3.72E-04
212	0.1880	66	40.92	40922	1.05E-03	1.05E+00	1.24E-04	1.24E-07	4.09E+04	2.41E-04		85	22.60	22603	1.68E-03	1.68E+00	2.87E-05	2.87E-08	2.26E+04	4.15E-04
213	0.1840	151	27.58	27576	1.49E-03	1.49E+00	1.24E-04	1.24E-07	2.76E+04	3.38E-04		76	29.32	29319	1.69E-03	1.69E+00	8.41E-05	8.41E-08	2.93E+04	3.84E-04
214	0.1800	121	30.74	30736	1.87E-04	1.87E-01	1.25E-04	1.25E-07	3.07E+04	4.26E-05		127	22.60	22603	1.79E-03	1.79E+00	1.75E-04	1.75E-07	2.26E+04	4.06E-04
215	0.1760	153	40.92	40922	2.65E-04	2.65E-01	1.25E-04	1.25E-07	4.09E+04	6.02E-05		140	15.80	15803	1.91E-03	1.91E+00	8.07E-05	8.07E-08	1.58E+04	4.80E-04
216	0.1720	236	36.24	36238	7.08E-04	7.08E-01	1.25E-04	1.25E-07	3.62E+04	1.72E-04		226	27.58	27576	1.91E-03	1.91E+00	3.66E-05	3.66E-08	2.76E+04	4.45E-04
217	0.1680	227	30.74	30736	4.23E-04	4.23E-01	1.27E-04	1.27E-07	3.07E+04	9.54E-05		143	20.92	20918	2.02E-03	2.02E+00	1.41E-05	1.41E-08	2.09E+04	4.56E-04
218	0.1640	57	34.45	34452	5.77E-04	5.77E-01	1.29E-04	1.29E-07	3.45E+04	1.30E-04		52	50.00	50000	2.04E-03	2.04E+00	1.45E-05	1.45E-08	5.00E+04	1.17E-03
219	0.1600	78	29.32	29319	1.31E-03	1.31E+00	1.31E-04	1.31E-07	2.93E+04	2.94E-04		160	27.58	27576	2.17E-03	2.17E+00	6.46E-05	6.46E-08	2.76E+04	4.94E-04
220	0.1560	10	25.61	25612	6.30E-04	6.30E-01	1.34E-04	1.34E-07	2.56E+04	1.43E-04		244	20.92	20918	2.23E-03	2.23E+00	1.71E-04	1.71E-07	2.09E+04	5.06E-04
221	0.1520	188	50.00	50000	3.88E-02	3.88E+01	1.34E-04	1.34E-07	5.00E+04	2.29E-02		239	19.01	19006	2.25E-03	2.25E+00	8.49E-05	8.49E-08	1.90E+04	5.09E-04
222	0.1480	128	32.79	32786	1.09E-03	1.09E+00	1.35E-04	1.35E-07	3.28E+04	2.49E-04		152	25.61	25612	2.33E-03	2.33E+00	4.57E-05	4.57E-08	2.56E+04	5.86E-04
223	0.1440	97	50.00	50000	2.39E-04	2.39E-01	1.35E-04	1.35E-07	5.00E+04	6.52E-05		132	50.00	50000	2.44E-03	2.44E+00	2.78E-05	2.78E-08	5.00E+04	1.39E-03
224	0.1400	64	32.79	32786	1.06E-03	1.06E+00	1.40E-04	1.40E-07	3.28E+04	2.40E-04		154	50.00	50000	2.94E-03	2.94E+00	8.39E-05	8.39E-08	5.00E+04	1.69E-03
225	0.1360	71	50.00	50000	5.12E-03	5.12E+00	1.40E-04	1.40E-07	5.00E+04	3.00E-03		119	17.60	17600	3.19E-03	3.19E+00	3.14E-05	3.14E-08	1.76E+04	7.17E-04
226	0.1320	51	30.74	30736	4.65E-04	4.65E-01	1.42E-04	1.42E-07	3.07E+04	1.11E-04		189	25.99	25987	3.32E-03	3.32E+00	1.68E-04	1.68E-07	1.58E+04	8.26E-04
227	0.1280	237	24.20	24197	5.12E-04	5.12E-01	1.45E-04	1.45E-07	2.42E+04	1.15E-04		41	37.50	37500	3.66E-03	3.66E+00	1.09E-04	1.09E-07	3.75E+04	2.08E-03
228	0.1240	245	50.00	50000	4.95E-02	4.95E+01	1.52E-04	1.52E-07	5.00E+04	2.92E-02		217	50.00	50000	3.89E-03	3.89E+00	2.00E-05	2.00E-08	5.00E+04	2.25E-03
229	0.1200	126	35.63	35629	1.54E-03	1.54E+00	1.55E-04	1.55E-07	3.56E+04	3.83E-04		246	50.00	50000	3.96E-03	3.96E+00	6.27E-05	6.27E-08	5.00E+04	2.27E-03
230	0.1160	124	19.23	19226	6.12E-04	6.12E-01	1.57E-04	1.57E-07	1.92E+04	1.39E-04		247	37.50	37500	4.55E-03	4.55E+00	8.54E-05	8.54E-08	3.75E+04	2.66E-03
231	0.1120	108	50.00	50000	3.07E-02	3.07E+01	1.61E-04	1.61E-07	5.00E+04	1.81E-02		203	50.00	50000	4.57E-03	4.57E+00	2.60E-05	2.60E-08	5.00E+04	2.65E-03
232	0.1080	170	25.99	25987	1.60E-03	1.60E+00	1.62E-04	1.62E-07	2.60E+04	3.63E-04		146	50.00	50000	5.03E-03	5.03E+00	6.37E-05	6.37E-08	5.00E+04	2.92E-03
233	0.1040	189	25.99	25987	3.32E-03	3.32E+00	1.68E-04	1.68E-07	1.58E+04	8.26E-04		71	50.00	50000	5.12E-03	5.12E+00	1.40E-04	1.40E-07	5.00E+04	3.00E-03
234	0.1000	231	28.87	28868	4.89E-04	4.89E-01	1.69E-04	1.69E-07	2.93E+04	1.14E-04		250	50.00	50000	8.82E-03	8.82E+00	1.20E-03	1.20E-06	5.00E+04	5.18E-03
235	0.0960	204	40.92	40922	3.85E-04	3.85E-01	1.70E-04	1.70E-07	4.09E+04	8.73E-05		125	47.29	47291	1.07E-02	1.07E+01	5.01E-05	5.01E-08	4.73E+04	6.29E-03
236	0.0920	244	20.92	20918	2.23E-03	2.23E+00	1.71E-04	1.71E-07	2.09E+04	5.06E-04		138	50.00	50000	1.11E-02	1.11E+01	3.66E-05	3.66E-08	5.00E+04	6.52E-03
237	0.0880	212	50.00	50000	2.66E-02	2.66E+01	1.72E-04	1.72E-07	5.00E+04	1.57E-02		104	50.00	50000	1.24E-02	1.24E+01	7.85E-05	7.85E-08	5.00E+04	7.31E-03
238	0.0840	127	22.60	22603	1.79E-03	1.79E+00	1.75E-04	1.75E-07	2.26E+04	4.06E-04		73	50.00	50000	1.52E-02	1.52E+01	3.69E-04	3.69E-07	5.00E+04	8.92E-03
239	0.0800	210	32.26	32255	8.03E-04	8.03E-01	1.84E-04	1.84E-07	3.23E+04	1.87E-04		198	50.00	50000	1.56E-02	1.56E+01	7.27E-05	7.27E-08	5.00E+04	9.19E-03
240	0.0760	17	32.26	32255	1.72E-04	1.72E-01	1.92E-04	1.92E-07	3.23E+04	3.87E-05		3	42.41	42405	1.73E-02	1.73E+01	4.88E-04	4.88E-07	4.24E+04	1.02E-02
241	0.0720	111	35.63	35629	1.37E-03	1.37E+00	1.94E-04	1.94E-07	3.56E+04	3.91E-04		158	50.00	50000	1.88E-02	1.88E+01	8.17E-05	8.17E-08	5.00E+04	1.11E-02
242	0.0680	136	30.74	30736	8.39E-04	8.39E-01	2.01E-04	2.01E-07	3.07E+04	1.91E-04		105	50.00	50000	1.91E-02	1.91E+01	1.81E-05	1.81E-08	5.00E+04	1.13E-02
243	0.0640	24	20.92	20918	1.60E-03	1.60E+00	2.01E-04	2.01E-07	2.09E+04	3.71E-04		214	29.32	29319	2.15E-02	2.15E+01	8.81E-05	8.81E-08	2.93E+04	1.26E-02
244	0.0600	157	32.26	32255	8.74E-04	8.74E-01	2.04E-04	2.04E-07	3.23E+04	1.99E-04		212	50.00	50000	2.66E-02	2.66E+01	1.72E-04	1.72E-07	5.00E+04	1.57E-02
245	0.0560	48	37.50	37500	2.52E-04	2.52E-01	2.19E-04	2.19E-07	3.75E+04	5.72E-05		11	50.00	50000	2.71E-02	2.71E+01	7.92E-06	7.92E-09	5.00E+04	1.60E-02
246	0.0520	181	29.32	29319	7.11E-04	7.11E-01	2.21E-04	2.21E-07	2.93E+04	1.67E-04		108	50.00	50000	3.07E-02	3.07E+01	1.61E-04	1.61E-07	5.00E+04	1.81E-02
247	0.0480	75	27.58	27576	1.05E-03	1.05E+00	2.67E-04	2.67E-07	2.76E+04	2.34E-04		188	50.00	50000	3.88E-02	3.88E+01	1.34E-04	1.34E-07	5.00E+04	2.29E-02
248	0.0440	65	47.29	47291	1.52E-01	1.52E+02	2.91E-04	2.91E-07	4.73E+04	9.01E-02		133	50.00	50000	4.48E-02	4.48E+01	1.08E-04	1.08E-07	5.00E+04	2.64E-02
249	0.0400	168	44.76	44763	5.46E-05	5.46E-02	2.99E-04	2.99E-07	4.48E+04	1.23E-05		245	50.00	50000	4.95E-02	4.95E+01	1.52E-04	1.52E-07	5.00E+04	2.92E-02
250	0.0360	13	14.19	14193	1.57E-03	1.57E+00	3.40E-04	3.40E-07	1.42E+04	3.70E-04		83	36.24	36238	5.10E-02	5.10E+01	1.04E-04	1.04E-07	3.62E+04	3.01E-02
251	0.0320	86	32.79	32786	7.33E-04	7.33E-01	3.55E-04	3.55E-07	3.28E+04	1.69E-04		159	36.24	36238	6.25E-02	6.25E+01	6.32E-04	6.32E-07	3.62E+04	3.68E-02
252	0.0280	73	50.00	50000	1.52E-02	1.52E+01	3.69E-04	3.69E-07	5.00E+04	8.92E-03		88	20.92	20918	6.65E-02	6.65E+01	7.17E-05	7.17E-08	2.09E+04	3.91E-02
253	0.0240	240	20.66	20659	7.26E-04	7.26E-01	4.24E-04	4.24E-07	2.07E+04	1.65E-04		79	50.00	50000	6.70E-02	6.70E+01	6.18E-05	6.18E-08	5.00E+04	3.95E-02
254	0.0200	3	42.41	42405	1.73E-02	1.73E+01	4.88E-04	4.88E-07	4.24E+04	1.02E-02		122	37.50	37500	7.65E-02	7.65E+01	3.32E-05	3.32E-08	3.75E+04	4.52E-02
255	0.0160	159	36.24	36238	6.25E-02	6.25E+01	6.32E-04	6.32E-07	3.62E+04	3.68E-02		186	38.82	38821	8.16E-02	8.16E+01	9.50E-05	9.50E-08	3.88E+04	4.82E-02
256	0.0120	37	25.61	25612	1.31E-03	1.31E+00	8.92E-04	8.92E-07	2.56E+04	2.97E-04		16	50.00	50000	8.54E-02	8.54E+01	4.36E-05	4.36E-08	5.00E+04	5.05E-02
257	0.0080	55	44.76	44763	2.64E-04	2.64E-01	1.09E-03	1.09E-06	5.00E+04	6.51E-05		34	50.00	50000	8.84E-02	8.84E+01	2.95E-06	2.95E-09	5.00E+04	5.21E-02
258	0.0040	250	50.00	50000	8.82E-03	8.82E+00	1.20E-03	1.20E-06	5.00E+04	5.18E-03		65	47.29	47291	1.52E-01	1.52E+02	2.91E-04	2.91E-07	4.73E+04	9.01E-02

3/3/00 DRA

Enhanced WP Corrosion + Lower Tc Sol + Higher RD
Unsorted 1 of 2



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
13	Input		file	tpa.inp	as	supplied	with	TPA	Version	3.2.1	Code.																
14	Base		case	data	set	Rev	3.2.1	2/22/99																			
15	TPA		3.2.3	PVM	capable,	Job	started:	Wed	Oct	20	13:37:41	1999															
16	Groundwater		Total	Peak	Dose	and	Peak	Time	with	Doses																	
17	for		Each	Nuclide	at	Peak	Time	-	Values	for	Each	Vector															
18																											
19	vector	pktime	pktime	pktede	Cm246de	U238de	Cm245de	Am241de	Np237de	Am243de	Pu239de	Pu240de	U234de	Th230de	Ra226de	Pb210de	Cs135de	I129de	Tc99de	Tc99de	Ni59de	C14de	Se79de	Nb94de	Cl36de	timedwpk	dmkh20
20	unitless	yr/1000	yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	mrem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	rem/yr	yr	rem/yr
21	1	40.92	40922	6.94E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.56E-06	4.09E+04	1.58E-04
22	2	14.09	14088	1.38E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.95E-08	1.41E+04	3.13E-06
23	3	10.00	10000	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.89E-05	1.00E+04	4.21E-04
24	4	20.92	20918	5.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05	2.09E+04	1.21E-04
25	5	22.31	22306	1.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.71E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.02E-06	2.23E+04	3.90E-04
26	6	35.63	35629	6.83E-02	0.00E+00	5.74E-06	0.00E+00	0.00E+00	6.82E-02	0.00E+00	0.00E+00	0.00E+00	2.41E-05	3.16E-11	2.30E-09	4.49E-09	0.00E+00	9.56E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.16E-05	0.00E+00	1.20E-06	3.56E+04	4.04E-02
27	7	50.00	50000	2.24E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.66E-05	0.00E+00	2.02E-06	5.00E+04	1.32E-02
28	8	37.50	37500	4.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	3.20E-08	0.00E+00	0.00E+00	0.00E+00	2.96E-06	3.75E+04	9.74E-05
29	9	32.26	32255	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.71E-08	0.00E+00	1.52E-06	3.23E+04	9.56E-05
30	10	10.98	10982	3.16E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.48E-06	0.00E+00	5.71E-07	1.10E+04	7.59E-06
31	11	15.80	15803	5.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.49E-05	0.00E+00	3.22E-06	5.00E+04	1.50E-04
32	12	24.20	24197	9.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.44E-04	0.00E+00	0.00E+00	7.00E-07	0.00E+00	5.17E-09	0.00E+00	8.34E-06	2.42E+04	2.18E-04
33	13	46.43	46429	2.72E-02	0.00E+00	2.39E-09	0.00E+00	0.00E+00	2.71E-02	0.00E+00	0.00E+00	0.00E+00	8.93E-09	2.45E-14	5.81E-13	3.02E-12	0.00E+00	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-05	0.00E+00	1.70E-06	4.64E+04	1.60E-02
34	14	14.19	14193	6.32E-04	0.00E+00	5.78E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-12	2.56E-18	4.15E-18	0.00E+00	0.00E+00	6.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-07	0.00E+00	4.95E-06	1.42E+04	1.43E-04
35	15	22.60	22603	6.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.55E-06	2.26E+04	1.45E-04
36	16	40.92	40922	5.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-07	0.00E+00	5.59E-06	4.09E+04	1.29E-04
37	17	19.23	19226	7.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-06	1.92E+04	1.63E-04
38	18	24.20	24197	9.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	2.42E+04	2.21E-04
39	19	10.83	10832	9.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.40E-04	0.00E+00	0.00E+00	1.52E-05	0.00E+00	0.00E+00	0.00E+00	1.45E-05	1.08E+04	2.19E-04
40	20	22.60	22603	7.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.93E-06	0.00E+00	1.33E-05	2.26E+04	1.61E-04
41	21	44.76	44763	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	3.82E-07	0.00E+00	1.80E-05	0.00E+00	2.54E-06	4.48E+04	2.61E-04
42	22	17.60	17600	4.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	2.42E+04	9.51E-05
43	23	47.29	47291	8.21E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.18E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-06	4.73E+04	4.85E-02
44	24	45.59	45586	8.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.72E-08	0.00E+00	3.19E-06	4.56E+04	2.02E-04
45	25	30.74	30736	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-05	0.00E+00	6.22E-07	3.07E+04	6.29E-05
46	26	22.31	22306	4.93E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.72E-04	0.00E+00	0.00E+00	1.38E-05	0.00E+00	3.27E-06	0.00E+00	4.34E-06	2.23E+04	1.12E-04
47	27	50.00	50000	2.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.62E-06	5.00E+04	1.19E-03
48	28	14.19	14193	6.57E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.10E-06	0.00E+00	1.35E-05	1.42E+04	1.49E-04
49	29	29.32	29319	6.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.95E-06	2.93E+04	1.57E-04
50	30	27.58	27576	5.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-05	2.76E+04	1.19E-04
51	31	24.20	24197	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.77E-06	2.42E+04	1.23E-04
52	32	14.19	14193	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E-03	0.00E+00	0.00E+00	4.26E-06	0.00E+00	0.00E+00	0.00E+00	2.94E-05	1.42E+04	3.19E-04
53	33	45.59	45586	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	4.75E-08	0.00E+00	0.00E+00	0.00E+00	1.20E-06	4.56E+04	9.35E-05
54	34	24.20	24197	6.78E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-05	2.42E+04	1.52E-04
55	35	19.01	19006	9.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-04	0.00E+00	1.29E-05	1.92E+04	2.33E-04
56	36	50.00	50000	5.56E-02	0.00E+00	1.26E-06	0.00E+00	0.00E+00	5.54E-02	0.00E+00	0.00E+00	0.00E+00	4.64E-06	4.38E-11	1.04E-09	8.26E-10	0.00E+00	1.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-06	0.00E+00	1.42E-06	5.00E+04	3.28E-02
57	37	34.45	34452	2.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.01E-04	0.00E+00	0.00E+00	2.48E-08	0.00E+00	9.38E-09	0.00E+00	1.57E-06	3.45E+04	4.64E-05
58	38	29.32	29319	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	6.79E-10	0.00E+00	1.06E-04	0.00E+00	3.12E-06	2.93E+04	1.54E-04
59	39	17.42	17417	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	2.08E-05	0.00E+00	2.58E-07	0.00E+00	5.10E-06	2.60E+04	2.51E-04
60	40	50.00	50000	5.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.42E-20	9.10E-23	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.65E-06	5.00E+04	3.10E-03
61	41	50.00	50000	9.97E-03	0.00E+00	1.58E-08	0.00E+00	0.00E+00	9.84E-03	0.00E+00	0.00E+00	0.00E+00	5.88E-08	5.26E-12	1.15E-12	1.18E-11	0.00E+00	1.21E-04	0.00E+00	0.00E+00	4.26E-06	0.00E+00	5.20E-07	0.00E+00	1.42E-06	5.00E+04	5.86E-03
62	42	42.41	42405	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.85E-04	0.00E+00	0.00E+00	1.75E-07	0.00E+00	1.51E-04	0.00E+00	4.04E-06	4.24E+04	2.80E-04
63	43	19.01	19006	3.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-06	1.90E+04	8.77E-05
64	44	20.92	20918	7.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.60E-04	0.00E+00	0.00E+00	3.00E-05	0.00E+00	7.83E-05	0.00E+00	4.81E-06	1.76E+04	1.94E-04
65	45	30.74	30736	8.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-06	0.00E+00	2.01E-06	3.07E+04	1.87E-04
66	46	50.00	50000	8.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-06	5.00E+04	4.33E-04
67	47	35.63	35629	5.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.30E-04	0.00E+00	0.00E+00	1.34E-05	0.00E+00	0.00E+00	0.00E+00	2.33E-06	3.56E+04	1.24E-04
68	48	39.51	39505	9.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.11E-05	0.00E+00	2.13E-06	3.95E+04	2.10E-04
69	49	38.24	38238	9.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.93E-04	0.00E+00	0.00E+00	1.41E-07	0.00E+00	0.00E+00	0.00E+00	1.27E-05	3.62E+04	2.04E-04
70	50	27.58	27576	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.58E-06	2.76E+04	2.51E-04
71	51	14.19	14193	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.59E-05	1.42E+04	3.03E-04
72	52	20.92	20918	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.83E-06	2.09E+04	7.28E-05
73	53	25.99	25987	9.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.90E-05	0.00E+00	3.47E-06	2.60E+04	2.28E-04
74	54	38.82	38821	1.02E-03	0.00E+00	1.01E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.86E-10	1.46E-14	1.85E-14	6.84E-14	0.00E+00	9.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-05	0.00E+00	3.58E-06	3.88E+04	2.39E-04
75	55	30.74	30736	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-06	3.07E+04	2.44E-04
76	56	43.96	43959	5.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-06	4.40E+04	1.18E-04
77	57	42.41	42405	1.30E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-04	0.00E+00	0.00E+00	5.93E-06	0.00E+00	0.00E+00	0.00E+00	1.39E-06	4.24E+04	7.63E-03
78	58	32.26	32255	9.35E-04	0.00E+00	1.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-07	1.67E-11	7.28E-11	1.06E-10	0.00E+00	9.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-05	3.28E+04	2.12E-04
79	59	29.32	29319	5.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.95E-05	0.00E+00	4.67E-06	2.93E+04	1.37E-04
80	60	44.76	44763	6.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.36E-04	0.00E+00	0.00E+00	7.50E-08	0.00E+00	0.00E+00	0.00E+00	2.09E-06	4.48E+04	1.47E-04
81	61	42.41	42405	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-06	4.24E+04	1.18E-04
82	62	40.92	40922	4.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-06	4.09E+04	9.76E-05
83	63	47.29	47291	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.33E-04	0.00E+00	0.00E+00	5.88E-07	0.00E+00	0.00E+00	0.00E+00	5.56E-06	4.73E+04	7.65E-05
84	64	35.63	35629	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-06	3.56E+04	1.51E-04
85	65	50.00	50000	5.62E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.53E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.79E-07	5.00E+04	1.27E-05
86	66	14.19	14193	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-05	0.00E+00	3.07E-06	1.42E+04	9.81E-05
87	67	22.60	22603	5.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.77E-06	2.26E+04	1.24E-04
88	68	20.92	20918	9.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-04	0.00E+00	0.00E+00	1.04E-05	0.00E+00	1.79E-04	0.00E+00	1.48E-05	2.09E+04	2.49E-04
89	69	38.82	38821	6.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.76E-04	0.00E+00	0.00E+00	2.59E-08	0.00E+00	0.00E+00	0.00E+00	1.78E-06	3.88E+04	1.55E-04
90	70	40.21	40206	4.72E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.71E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-06	4.02E+04	2.79E-02
91	71	15.80	15803	8.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.14E-06	0.00E+00	1.49E-05	1.58E+04	1.81E-04
92	72	24.20	24197	7.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-08	0.00E+00	1.31E-05	2.42E+04	1.66E-04
93	73	20.92	20918	7.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-06	2.09E+04	1.74E-04
94	74	50.00	50000	1.29E-03	0.00E+00	5.54E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-10	1.36E-15	1.27E-14	4.71E-14	0.00E+00	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-04	0.00E+00	2.28E-06	3.75E+04	3.18E-04
95	75	37.50	37500	7.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.22E-04	0.00E+00	0.00E+00	6.20E-06	0.00E+00	0.00E+00	0.00E+00	1.79E-06	3.75E+04	1.66E-04
96	76	32.26	32255	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.45E-06	3.23E+04	2.33E-04
97	77	22.60	22603	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-03	0.00E+00	0.00E+00	2.79E-08	0.00E+00	2.25E-04	0.00E+00	2.62E-05	2.26E+04	3.31E-04
98	78	30.74	30736	8.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.65E-04	0.00E+00	0.00E+00	1.21E-11	0.00E+00	0.00E+00	0.00E+00	5.57E-06	3.07E+04	1.97E-04
99	79	43.96	43959	2.78E-02	0.00E+00	7.45E-08	0.00E+00	0.00E+00	2.75E-02	0.00E+00	0.00E+00	0.00E+00	2.81E-07	1.13E-14	1.32E-11	2.56E-11	0.00E+00	2.22E-04	0.00E+00	0.00E+00	3.71E-08	0.00E+00	0.00E+00	0.00E+00	2.76E-06	4.40E+04	1.63E-02
100	80	38.82	38821	3.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-06	3.95E+04	7.78E-05
101	81	36.24	36238	8.61E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.82E-16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-05	3.75E+04	1.95E-04
102	82	17.42	17417	1.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-13	0.00E+00	2.88E-05	1.74E+04	3.64E-04
103	83	17.60	17600	1.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.73E-04	0.00E+00	2.34E-05	1.76E+04	3.93E-04
104	84	24.20	24197	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	1.20E-05	0.00E+00	7.53E-05	0.00E+00	1.49E-05	2.42E+04	3.00E-04
105	85	29.32	29319	8.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-05	2.93E+04	1.88E-04
106	86	44.76	44763	3.41E-04	0.00E+00	4.05E-09	0.00E+00	0.00E+00	4.88E-12	0.00E+00	0.00E+00	0.00E+00	1.52E-08	3.63E-11	2.96E-12	2.76E-11	0.00E+00	3.39E-04	0.00E+00	0.00E+00	2.65E-07	0.00E+00	0.00E+00	0.00E+00	1.82E-06	4.48E+04	7.73E-05
107	87	31.23	31231	7.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.80E-06	3.12E+04	1.60E-04
108	88	22.60	22603	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-06	2.26E+04	2.68E-04
109	89	15.80	15803	2.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.45E-05	1.58E+04	5.05E-04
110	90	25.99	25987	9.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.66E-04	0.00E+00	3.22E-06	2.60E+04	2.42E-04
111	91	12.49	12493	6.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.34E-04	0.00E+00	0.00E+00	5.36E-06	0.00E+00	1.34E-04	0.00E+00	2.70E-06	1.25E+04	1.72E-04
112	92	16.10	16097	7.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	1.61E+04	1.64E-04
113	93	43.96	43959	5.01E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	4.40E+04	1.12E-04
114	94	20.92	20918	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.96E-06	2.09E+04	1.18E-04
115	95	23.86	23863	6.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00	1.19E-05	0.00E+00	0.00E+00	0.00E+00	2.34E-06	2.39E+04	1.40E-04
116	96	22.60	22603	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.76E-06	2.26E+04	2.35E-04
117	97	40.92	40922	4.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.11E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.01E-13	0.00E+00	2.16E-06	4.09E+04	9.37E-05
118	98	40.92	40922	6.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.74E-05	0.00E+00	2.07E-06	4.09E+04	1.61E-04
119	99	25.99	25987	2.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.92E-06	2.60E+04	5.17E-05
120	100	45.59	45586	1.52E-01	0.00E+00	2.46E-06	0.00E+00	0.00E+00	1.52E-01	0.00E+00	0.00E+00	0.00E+00	9.23E-06	5.45E-09	5.34E-09	1.82E-08	0.00E+00	2.05E-04	0.00E+00	0.00E+00	5.33E-08	0.00E+00	0.00E+00	0.00E+00	2.38E-06	4.56E+04	8.98E-02
121	101	30.74	30736	1.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-03	0.00E+00	0.00E+00	7.05E-06	0.00E+00	0.00E+00	0.00E+00	4.50E-05	3.07E+04	3.65E-04
122	102	22.60	22603	2.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.81E-04	0.00E+00	0.00E+00	4.70E-08	0.00E+00	0.00E+00	0.00E+00	6.69E-06	2.26E+04	6.55E-05
123	103	15.95	15948	2.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.50E-04	0.00E+00	5.03E-05	1.59E+04	6.56E-04
124	104	15.80	15803	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	3.18E-08	0.00E+00	1.51E-05	0.00E+00	1.12E-05	1.58E+04	2.84E-04
125	105	43.96	43959	3.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.26E-11	0.00E+00	6.15E-06	4.40E+04	7.54E-05
126	106	28.87	28868	7.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.30E-05	2.89E+04	1.57E-04
127	107	27.58	27576	4.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-05	0.00E+00	1.46E-06	2.76E+04	1.17E-04
128	108	14.09	14088	8.42E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-04	0.00E+00	0.00E+00	8.16E-06	0.00E+00	0.00E+00	0.00E+00	1.70E-05	1.41E+04	1.89E-04
129	109	28.87	28868	1.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.09E-04	5.12E-07	1.59E-06	0.00E+00	4.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-05	0.00E+00	3.05E-06	5.00E+04	8.13E-04
130	110	27.58	27576	1.27E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.21E-05	0.00E+00	5.25E-06	2.76E+04	2.99E-04
131	111	24.20	24197	5.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.26E-04	0.00E+00	0.00E+00	2.62E-09	0.00E+00	0.00E+00	0.00E+00	8.92E-06	2.42E+04	1.20E-04
132	112	39.51	39505	7.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.27E-06	3.95E+04	1.73E-04
133	113	37.50	37500	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-05	3.75E+04	1.17E-04
134	114	50.00	50000	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-05	0.00E+00	1.27E-06	5.00E+04	2.89E-05
135	115	43.96	43959	6.27E-02	0.00E+00	2.85E-05	0.00E+00	0.00E+00	6.19E-02	0.00E+00	0.00E+00	0.00E+00	1.07E-04	4.40E-04	1.89E-06	3.62E-06	0.00E+00	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-06	4.40E+04	3.70E-02
136	116	20.92	20918	6.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-05	2.09E+04	1.51E-04
137	117	22.60	22603	1.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-05	2.26E+04	3.59E-04

3/3/00 DRJ

Enhanced WP Corrosion + Lower Tc Sol + Higher RD Unsorted 2 of 2

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
138	118	27.58	27576	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-08	0.00E+00	3.41E-06	2.76E+04	2.54E-04
139	119	29.32	29319	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-06	2.93E+04	2.70E-04
140	120	50.00	50000	1.84E-01	0.00E+00	3.41E-06	0.00E+00	0.00E+00	1.83E-01	0.00E+00	0.00E+00	0.00E+00	1.27E-05	3.74E-08	3.55E-09	8.79E-09	0.00E+00	9.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.73E-05	0.00E+00	7.35E-06	5.00E+04	1.09E-01
141	121	47.29	47291	1.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-08	0.00E+00	1.49E-06	4.73E+04	2.76E-05
142	122	45.59	45586	7.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.01E-04	0.00E+00	0.00E+00	4.61E-06	0.00E+00	1.41E-06	0.00E+00	1.39E-05	4.56E+04	1.62E-04
143	123	22.60	22603	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.25E-06	2.26E+04	3.13E-04
144	124	28.87	28868	2.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-21	0.00E+00	1.06E-06	2.89E+04	6.79E-05
145	125	27.58	27576	9.09E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.85E-04	0.00E+00	0.00E+00	1.05E-05	0.00E+00	0.00E+00	0.00E+00	1.33E-05	2.76E+04	2.05E-04
146	126	47.29	47291	8.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-06	4.73E+04	1.98E-04
147	127	32.26	32255	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.22E-06	3.23E+04	1.37E-04
148	128	22.60	22603	3.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.43E-05	0.00E+00	8.86E-06	2.39E+04	9.39E-05
149	129	33.88	33884	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.74E-06	3.39E+04	3.57E-04
150	130	45.59	45586	7.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-05	0.00E+00	1.65E-06	4.56E+04	1.81E-04
151	131	15.80	15803	1.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.89E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-05	1.58E+04	2.26E-04
152	132	45.59	45586	7.11E-02	0.00E+00	9.59E-07	0.00E+00	0.00E+00	7.10E-02	0.00E+00	0.00E+00	0.00E+00	3.60E-06	1.76E-10	7.35E-10	3.49E-10	0.00E+00	1.03E-04	0.00E+00	0.00E+00	4.78E-06	0.00E+00	1.61E-05	0.00E+00	1.23E-06	4.56E+04	4.20E-02
153	133	24.20	24197	9.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.89E-04	0.00E+00	0.00E+00	1.88E-09	0.00E+00	0.00E+00	0.00E+00	1.79E-05	2.42E+04	2.04E-04
154	134	20.92	20918	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.66E-05	2.09E+04	4.04E-04
155	135	27.58	27576	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-05	0.00E+00	4.54E-06	2.76E+04	1.21E-04
156	136	43.96	43959	3.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.01E-06	4.40E+04	8.79E-05
157	137	27.58	27576	2.06E-03	0.00E+00	2.82E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.11E-09	5.12E-16	2.11E-14	5.33E-14	0.00E+00	2.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-05	2.76E+04	4.67E-04
158	138	40.92	40922	4.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-06	4.09E+04	9.55E-05
159	139	14.52	14523	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	5.15E-08	0.00E+00	4.95E-05	0.00E+00	2.08E-05	1.45E+04	2.58E-04
160	140	32.79	32786	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.61E-08	0.00E+00	5.73E-06	3.28E+04	1.09E-04
161	141	14.19	14193	1.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-05	1.42E+04	2.51E-04
162	142	33.88	33884	6.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.34E-04	0.00E+00	0.00E+00	2.43E-16	0.00E+00	0.00E+00	0.00E+00	4.07E-06	3.39E+04	1.45E-04
163	143	38.82	38821	1.23E-03	0.00E+00	6.48E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.47E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	3.85E-08	0.00E+00	1.42E-04	0.00E+00	3.08E-05	3.88E+04	2.96E-04
164	144	50.00	50000	9.30E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.28E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-04	0.00E+00	0.00E+00	1.12E-05	0.00E+00	0.00E+00	0.00E+00	2.98E-06	5.00E+04	5.49E-02
165	145	27.58	27576	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	2.13E-05	0.00E+00	0.00E+00	0.00E+00	2.85E-06	2.76E+04	2.35E-04
166	146	27.58	27576	8.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-04	0.00E+00	1.37E-05	2.76E+04	2.03E-04
167	147	50.00	50000	1.86E-02	0.00E+00	2.65E-08	0.00E+00	0.00E+00	1.84E-02	0.00E+00	0.00E+00	0.00E+00	9.84E-08	1.30E-09	2.65E-09	1.14E-08	0.00E+00	2.47E-04	0.00E+00	0.00E+00	6.05E-06	0.00E+00	6.40E-07	0.00E+00	3.11E-06	5.00E+04	1.09E-02
168	148	45.59	45586	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	1.67E-05	0.00E+00	0.00E+00	0.00E+00	4.21E-06	4.56E+04	3.04E-04
169	149	32.79	32786	5.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.05E-04	0.00E+00	0.00E+00	4.87E-09	0.00E+00	3.26E-05	0.00E+00	8.44E-06	3.28E+04	1.27E-04
170	150	47.29	47291	1.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-04	0.00E+00	0.00E+00	3.20E-06	0.00E+00	0.00E+00	0.00E+00	7.41E-07	4.73E+04	4.22E-05
171	151	39.51	39505	3.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.54E-04	0.00E+00	0.00E+00	2.87E-06	0.00E+00	0.00E+00	0.00E+00	2.31E-06	3.95E+04	8.14E-05
172	152	22.60	22603	9.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-04	0.00E+00	1.02E-05	2.26E+04	2.36E-04
173	153	40.92	40922	4.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.77E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.22E-06	4.09E+04	1.09E-04
174	154	50.00	50000	1.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.41E-06	5.00E+04	1.01E-03
175	155	15.95	15948	3.57E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-08	1.59E+04	8.06E-07
176	156	24.20	24197	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.56E-03	0.00E+00	0.00E+00	1.39E-05	0.00E+00	0.00E+00	0.00E+00	7.13E-06	2.42E+04	3.60E-04
177	157	25.99	25987	4.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.86E-04	0.00E+00	0.00E+00	1.53E-08	0.00E+00	5.45E-07	0.00E+00	1.09E-05	2.60E+04	1.12E-04
178	158	19.45	19451	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.82E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-08	0.00E+00	3.61E-05	1.95E+04	2.26E-04
179	159	43.96	43959	7.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.31E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-04	0.00E+00	6.05E-06	4.40E+04	1.87E-04
180	160	32.26	32255	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.01E-05	0.00E+00	2.23E-06	3.23E+04	2.53E-04
181	161	15.80	15803	3.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	5.32E-11	0.00E+00	0.00E+00	0.00E+00	4.90E-06	1.58E+04	8.24E-05
182	162	37.50	37500	1.33E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.29E-06	3.75E+04	3.02E-04
183	163	50.00	50000	2.86E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.91E-04	0.00E+00	0.00E+00	4.52E-06	0.00E+00	2.76E-05	0.00E+00	2.04E-06	5.00E+04	1.68E-02
184	164	22.31	22306	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.55E-05	0.00E+00	3.36E-06	1.27E+04	2.71E-04
185	165	30.74	30736	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.69E-05	0.00E+00	4.72E-06	2.93E+04	3.61E-04
186	166	44.76	44763	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.75E-06	4.48E+04	4.80E-05
187	167	43.96	43959	5.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-08	0.00E+00	1.00E-05	4.40E+04	1.28E-04
188	168	20.92	20918	6.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.68E-06	2.09E+04	1.47E-04
189	169	22.60	22603	7.47E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.66E-07	0.00E+00	1.07E-05	2.26E+04	1.69E-04
190	170	14.19	14193	6.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.23E-06	1.42E+04	1.43E-04
191	171	29.32	29319	7.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-08	0.00E+00	1.96E-05	2.93E+04	1.59E-04
192	172	27.58	27576	6.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-06	0.00E+00	3.83E-06	2.76E+04	1.46E-04
193	173	27.58	27576	8.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-06	3.75E+04	1.88E-04
194	174	42.41	42405	6.45E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-06	4.48E+04	3.79E-02
195	175	40.92	40922	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.04E-06	4.09E+04	1.14E-04
196	176	15.80	15803	2.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.84E-05	1.58E+04	5.48E-04
197	177	47.29	47291	8.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.52E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.02E-04	0.00E+00	0.00E+00	5.19E-07	0.00E+00	1.01E-05	0.00E+00	6.85E-06	4.73E+04	2.90E-04
198	178	50.00	50000	2.52E-02	0.00E+00	2.76E-07	0.00E+00	0.00E+00	2.51E-02	0.00E+00	0.00E+00	0.00E+00	1.02E-06	7.38E-11	1.52E-10	2.78E-10	0.00E+00	8.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.37E-05	0.00E+00	1.04E-06	5.00E+04	1.49E-02
199	179	50.00	50000	7.91E-02	0.00E+00	1.72E-06	0.00E+00	0.00E+00	7.89E-02	0.00E+00	0.00E+00	0.00E+00	6.41E-06	4.70E-08	2.47E-09	1.45E-08	0.00E+00	1.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-06	5.00E+04	4.67E-02
200	180	15.80	15803	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	7.37E-08	0.00E+00	0.00E+00	0.00E+00	5.58E-06	1.58E+04	2.32E-04
201	181	27.58	27576	5.15E-04	0.00E+00	2.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-06	3.32E-12	8.14E-12	2.13E-11	0.00E+00	4.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.04E-05	0.00E+00	6.23E-06	2.76E+04	1.20E-04
202	182	24.20	24197	2.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.94E-05	2.42E+04	5.16E-04
203	183	50.00	50000	2.70E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.67E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E-06	5.00E+04	1.59E-02
204	184	50.00	50000	2.51E-02	0.00E+00	1.83E-24	0.00E+00	0.00E+00	2.50E-02	0.00E+00	0.00E+00	0.00E+00	6.78E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.50E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-07	5.00E+04	1.48E-02
205	185	20.92	20918	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.12E-03	0.00E+00	0.00E+00	3.91E-05	0.00E+00	3.81E-09	0.00E+00	1.53E-05	2.09E+04	2.65E-04
206	186	14.09	14088	9.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-04	0.00E+00	1.54E-05	1.41E+04	2.47E-04
207	187	26.76	26763	1.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.89E-06	2.68E+04	2.90E-05
208	188	27.58	27576	1.76E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-11	0.00E+00	2.03E-05	2.76E+04	3.98E-04
209	189	22.60	22603	7.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.99E-04	0.00E+00	0.00E+00	4.26E-07	0.00E+00	8.54E-05	0.00E+00	1.88E-06	2.26E+04	1.90E-04
210	190	19.01	19006	5.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.22E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E-06	1.90E+04	1.19E-04
211	191	20.92	20918	2.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.28E-05	2.09E+04	6.38E-04
212	192	32.79	32786	5.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-06	3.28E+04	1.14E-04
213	193	44.76	44763	4.70E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.39E-04	0.00E+00	0.00E+00	1.40E-18	0.00E+00	2.89E-05	0.00E+00	2.17E-06	4.40E+04	1.11E-04
214	194	25.61	25612	4.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.17E-06	2.56E+04	9.09E-05
215	195	23.54	23537	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-05	2.35E+04	1.38E-04
216	196	19.23	19226	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.23E-04	0.00E+00	3.23E-05	1.92E+04	4.50E-04
217	197	30.74	30736	6.19E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-07	0.00E+00	1.96E-06	3.07E+04	1.41E-04
218	198	12.56	12561	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-07	0.00E+00	2.41E-05	1.33E+04	2.60E-04
219	199	50.00	50000	1.05E-03	0.00E+00	4.90E-17	0.00E+00	0.00E+00	9.60E-04	0.00E+00	0.00E+00	0.00E+00	1.82E-16	8.84E-20	2.45E-21	2.30E-20	0.00E+00	8.08E-05	0.00E+00	0.00E+00	4.33E-06	0.00E+00	0.00E+00	0.00E+00	1.02E-06	5.00E+04	5.87E-04
220	200	22.60	22603	8.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-04	0.00E+00	1.27E-05	2.26E+04	2.02E-04
221	201	15.80	15803	3.30E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.12E-03	0.00E+00	0.00E+00	1.37E-04	0.00E+00	1.91E-07	0.00E+00	3.68E-05	1.58E+04	7.46E-04
222	202	40.92	40922	2.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.14E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-06	4.09E+04	6.51E-05
223	203	17.60	17600	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.73E-06	1.76E+04	2.36E-04
224	204	50.00	50000	9.33E-04	0.00E+00	1.24E-10	0.00E+00	0.00E+00	7.73E-04	0.00E+00	0.00E+00	0.00E+00	4.59E-10	6.66E-16	1.62E-14	5.69E-14	0.00E+00	1.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-05	0.00E+00	1.22E-06	5.00E+04	4.99E-04
225	205	8.49	8490	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.70E-05	8.49E+03	3.88E-04
226	206	50.00	50000	3.53E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.51E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.84E-04	0.00E+00	0.00E+00	3.37E-08	0.00E+00	0.00E+00	0.00E+00	1.89E-06	5.00E+04	2.08E-02
227	207	25.99	25987	6.07E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.70E-04	0.00E+00	0.00E+00	5.38E-08	0.00E+00	2.43E-05	0.00E+00	7.48E-06	2.60E+04	1.40E-04
228	208	50.00	50000	5.70E-03	0.00E+00	4.00E-08	0.00E+00	0.00E+00	5.63E-03	0.00E+00	0.00E+00	0.00E+00	1.48E-07	5.90E-11	5.51E-12	4.13E-11	0.00E+00	7.06E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.88E-07	5.00E+04	3.34E-03
229	209	50.00	50000	3.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-06	0.00E+00	2.33E-06	5.00E+04	7.70E-05
230	210	25.61	25612	2.91E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-06	2.56E+04	6.55E-05
231	211	25.61	25612	8.02E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-05	2.56E+04	1.80E-04
232	212	47.29	47291	4.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.68E-04	0.00E+00	0.00E+00	1.27E-19	0.00E+00	5.52E-05	0.00E+00	2.88E-06	4.73E+04	1.04E-04
233	213	20.92	20918	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.48E-05	2.09E+04	4.23E-04
234	214	14.19	14193	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.89E-06	1.42E+04	2.71E-04
235	215	22.60	22603	7.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-04	0.00E+00	0.00E+00	1.47E-07	0.00E+00	0.00E+00	0.00E+00	1.86E-05	2.26E+04	1.64E-04
236	216	36.24	36238	5.83E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.44E-04	0.00E+00	0.00E+00	1.11E-05	0.00E+00	2.51E-05	0.00E+00	2.51E-06	3.62E+04	1.36E-04
237	217	25.61	25612	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-04	0.00E+00	8.40E-06	2.56E+04	3.14E-04
238	218	23.22	23219	7.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.91E-06	2.32E+04	1.64E-04
239	219	15.80	15803	9.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.96E-05	1.58E+04	2.10E-04
240	220	22.60	22603	6.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.08E-06	2.26E+04	1.52E-04
241	221	43.96	43959	9.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.40E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-04	0.00E+00	9.20E-06	4.40E+04	2.46E-04
242	222	32.79	32786	6.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05	3.28E+04	1.49E-04
243	223	30.74	30736	4.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.27E-06	3.07E+04	1.04E-04
244	224	50.00	50000	1.31E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.61E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.07E-07	5.00E+04	7.75E-03
245	225	32.79	32786	4.12E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.26E-06	3.28E+04	9.25E-05
246	226	20.41	20406	8.96E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.68E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.83E-05	2.04E+04	2.00E-04
247	227	25.99	25987	4.72E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.03E-05	2.60E+04	1.06E-04
248	228	19.45	19451	9.26E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.49E-05	0.00E+00	2.26E-05	1.95E+04	2.14E-04
249	229	37.50	37500	6.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.90E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-04	0.00E+00	2.81E-06	3.75E+04	1.59E-04
250	230	29.32	29319	7.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.28E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.46E-05	0.00E+00	3.34E-06	2.93E+04	1.86E-04
251	231	32.79	32786	9.29E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.30E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.63E-05	0.00E+00	2.24E-06	3.23E+04	2.24E-04
252	232	37.50	37500	3.05E-02	0.00E+00	7.03E-07	0.00E+00	0.00E+00	3.03E-02	0.00E+00	0.00E+00	0.00E+00	2.70E-06	1.07E-09	1.34E-09	4.20E-09	0.00E+00	1.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.76E-05	0.00E+00	1.75E-06	3.75E+04	1.80E-02
253	233	20.92	20918	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.04E-03	0.00E+00	0.00E+00	4.97E-05	0.00E+00	0.00E+00	0.00E+00	4.52E-06	2.09E+04	2.50E-04
254	234	24.20	24197	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-04	0.00E+00	9.62E-06	2.42E+04	3.13E-04
255	235	38.82	38821	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.00E-03	0.00E+00	0.00E+00	1.61E-05	0.00E+00	0.00E+00	0.00E+00	4.23E-06	3.88E+04	2.32E-04
256	236	45.59	45586	6.05E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.46E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.49E-05	0.00E+00	9.31E-07	4.56E+04	3.57E-02
257	237	22.60	22603	9.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.10E-06	2.26E+04	2.14E-04
258	238	25.99	25987	3.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.60E-04	0.00E+00	0.00E+00	2.34E-08	0.00E+00	0.00E+00	0.00E+00	3.94E-06	2.60E+04	8.24E-05
259	239	33.33	33328	4.43E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.32E-04	0.00E+00	0.00E+00	1.26E-06	0.00E+00	0.00E+00	0.00E+00	9.76E-06	3.33E+04	9.94E-05
260	240	25.99	25987	8.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-04	0.00E+00	0.00E+00	2.25E-07	0.00E+00	0.00E+00	0.00E+00	2.17E-05	2.72E+04	1.90E-04
261	241	50.00	50000	5.63E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.63E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.93E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-07	5.00E+04	3.33E-02
262	242	50.00	50000	5.68E-02	0.00E+00	6.04E-14	0.00E+00	0.00E+00	5.67E-02	0.00E+00	0.00E+00	0.00E+00	2.24E-13	5.15E-17	6.60E-18	2.10E-17	0.00E+00	1.42E-04	0.00E+00	0.00E+00	7.51E-08	0.00E+00	0.00E+00	0.00E+00	1.80E-06	5.00E+04	3.35E-02
263	243	50.00	50000	3.19E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.45E-04	0.00E+00	0.00E+00	6.00E-09	0.00E+00	0.00E+00	0.00E+00	1.94E-06	5.00E+04	1.88E-02
264	244	22.31	22306	8.99E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.78E-04	0.00E+00	0.00E+00	5.20E-13	0.00E+00	0.00E+00	0.00E+00	2.07E-05	2.23E+04	2.02E-04
265	245	31.74	31737	8.86E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.82E-10	0.00E+00	2.20E-06	3.17E+04	1.98E-04
266	246	37.50	37500	4.82E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.82E-05	0.00E+00	2.32E-06	3.75E+04	2.84E-02
267	247	27.58	27576	5.23E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.21E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-06	2.76E+04	1.19E-04
268	248	43.96	43959	5.50E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E-04	0.00E+00	0.00E+00	7.52E-09	0.00E+00	1.58E-07	0.00E+00	1.41E-05	4.40E+04	1.23E-04
269	249	25.99	25987	1.21E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.20E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-05	0.00E+00	0.00E+00	2.40E-06	0.00E+00	3.81E-06	0.00E+00	1.23E-05	2.60E+04	7.13E-03
270	250	25.99	25987	9.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-05	2.60E+04	2.24E-04

3/3/00

Enhanced WP corrosion + Lower Tc Solubility + Higher Rp Sorted 1 of 3

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Min		8.49	8489.70	3.570E-06	3.570E-03	0.000E+00	0.000E+00	8.490E+03	8.060E-07										
2	Max		50.00	50000.00	1.841E-01	1.841E+02	0.000E+00	0.000E+00	5.000E+04	1.085E-01										
3	Mean		31.15	31150.70	6.906E-03	6.906E+00	0.000E+00	0.000E+00	3.139E+04	3.816E-03										
4	Median		29.09	29093.50	8.551E-04	8.551E-01	0.000E+00	0.000E+00	2.932E+04	1.978E-04										
5	s.d.		11.61	11613.69	2.115E-02	2.115E+01	0.000E+00	0.000E+00	1.165E+04	1.255E-02										
6							Sorted by									Sorted by				
7	probability	vector	pktime	pktime	pktede	pktede	Tc99de	Tc99de	timedwpk	drnkh20		vector	pktime	pktime	pktede	pktede	Tc99de	Tc99de	timedwpk	drnkh20
8	r/250	unitless	yr/1000	yr	rem/yr	mrem/yr	mrem/yr	rem/yr	yr	rem/yr		unitless	yr/1000	yr	rem/yr	mrem/yr	mrem/yr	rem/yr	yr	rem/yr
9	1.0000	1	40.92	40922	6.94E-04	6.94E-01	0.00E+00	0.00E+00	4.09E+04	1.58E-04		155	15.95	15948	3.57E-06	3.57E-03	0.00E+00	0.00E+00	1.59E+04	8.06E-07
10	0.9960	2	14.09	14088	1.38E-05	1.38E-02	0.00E+00	0.00E+00	1.41E+04	3.13E-06		2	14.09	14088	1.38E-05	1.38E-02	0.00E+00	0.00E+00	1.41E+04	3.13E-06
11	0.9920	3	10.00	10000	1.87E-03	1.87E+00	0.00E+00	0.00E+00	1.00E+04	4.21E-04		10	10.98	10982	3.16E-05	3.16E-02	0.00E+00	0.00E+00	1.10E+04	7.59E-06
12	0.9880	4	20.92	20918	5.44E-04	5.44E-01	0.00E+00	0.00E+00	2.09E+04	1.21E-04		65	50.00	50000	5.62E-05	5.62E-02	0.00E+00	0.00E+00	5.00E+04	1.27E-05
13	0.9840	5	22.31	22306	1.72E-03	1.72E+00	0.00E+00	0.00E+00	2.23E+04	3.90E-04		114	50.00	50000	1.21E-04	1.21E-01	0.00E+00	0.00E+00	5.00E+04	2.89E-05
14	0.9800	6	35.63	35629	6.83E-02	6.83E+01	0.00E+00	0.00E+00	3.56E+04	4.04E-02		121	47.29	47291	1.22E-04	1.22E-01	0.00E+00	0.00E+00	4.73E+04	2.76E-05
15	0.9760	7	50.00	50000	2.24E-02	2.24E+01	0.00E+00	0.00E+00	5.00E+04	1.32E-02		187	26.76	26763	1.29E-04	1.29E-01	0.00E+00	0.00E+00	2.68E+04	2.90E-05
16	0.9720	8	37.50	37500	4.30E-04	4.30E-01	0.00E+00	0.00E+00	3.75E+04	9.74E-05		150	47.29	47291	1.85E-04	1.85E-01	0.00E+00	0.00E+00	4.73E+04	4.22E-05
17	0.9680	9	32.26	32255	4.21E-04	4.21E-01	0.00E+00	0.00E+00	3.23E+04	9.56E-05		37	34.45	34452	2.05E-04	2.05E-01	0.00E+00	0.00E+00	3.45E+04	4.64E-05
18	0.9640	10	10.98	10982	3.16E-05	3.16E-02	0.00E+00	0.00E+00	1.10E+04	7.59E-06		166	44.76	44763	2.13E-04	2.13E-01	0.00E+00	0.00E+00	4.48E+04	4.80E-05
19	0.9600	11	15.80	15803	5.31E-04	5.31E-01	0.00E+00	0.00E+00	5.00E+04	1.50E-04		99	25.99	25987	2.31E-04	2.31E-01	0.00E+00	0.00E+00	2.60E+04	5.17E-05
20	0.9560	12	24.20	24197	9.53E-04	9.53E-01	0.00E+00	0.00E+00	2.42E+04	2.16E-04		25	30.74	30736	2.52E-04	2.52E-01	0.00E+00	0.00E+00	3.07E+04	6.29E-05
21	0.9520	13	46.43	46429	2.72E-02	2.72E+01	0.00E+00	0.00E+00	4.64E+04	1.60E-02		202	40.92	40922	2.87E-04	2.87E-01	0.00E+00	0.00E+00	4.09E+04	6.51E-05
22	0.9480	14	14.19	14193	6.32E-04	6.32E-01	0.00E+00	0.00E+00	1.42E+04	1.43E-04		210	25.61	25612	2.91E-04	2.91E-01	0.00E+00	0.00E+00	2.56E+04	6.55E-05
23	0.9440	15	22.60	22603	6.41E-04	6.41E-01	0.00E+00	0.00E+00	2.26E+04	1.45E-04		102	22.60	22603	2.92E-04	2.92E-01	0.00E+00	0.00E+00	2.26E+04	6.55E-05
24	0.9400	16	40.92	40922	5.71E-04	5.71E-01	0.00E+00	0.00E+00	4.09E+04	1.29E-04		124	28.87	28868	2.99E-04	2.99E-01	0.00E+00	0.00E+00	2.89E+04	6.79E-05
25	0.9360	17	19.23	19226	7.16E-04	7.16E-01	0.00E+00	0.00E+00	1.92E+04	1.63E-04		52	20.92	20918	3.27E-04	3.27E-01	0.00E+00	0.00E+00	2.09E+04	7.28E-05
26	0.9320	18	24.20	24197	9.79E-04	9.79E-01	0.00E+00	0.00E+00	2.42E+04	2.21E-04		105	43.96	43959	3.35E-04	3.35E-01	0.00E+00	0.00E+00	4.40E+04	7.54E-05
27	0.9280	19	10.83	10832	9.70E-04	9.70E-01	0.00E+00	0.00E+00	1.08E+04	2.19E-04		209	50.00	50000	3.38E-04	3.38E-01	0.00E+00	0.00E+00	5.00E+04	7.70E-05
28	0.9240	20	22.60	22603	7.16E-04	7.16E-01	0.00E+00	0.00E+00	2.26E+04	1.61E-04		63	47.29	47291	3.40E-04	3.40E-01	0.00E+00	0.00E+00	4.73E+04	7.65E-05
29	0.9200	21	44.76	44763	1.14E-03	1.14E+00	0.00E+00	0.00E+00	4.48E+04	2.61E-04		86	44.76	44763	3.41E-04	3.41E-01	0.00E+00	0.00E+00	4.48E+04	7.73E-05
30	0.9160	22	17.60	17600	4.21E-04	4.21E-01	0.00E+00	0.00E+00	2.42E+04	9.51E-05		80	38.82	38821	3.43E-04	3.43E-01	0.00E+00	0.00E+00	3.95E+04	7.78E-05
31	0.9120	23	47.29	47291	8.21E-02	8.21E+01	0.00E+00	0.00E+00	4.73E+04	4.85E-02		151	39.51	39505	3.59E-04	3.59E-01	0.00E+00	0.00E+00	3.95E+04	8.14E-05
32	0.9080	24	45.59	45586	8.89E-04	8.89E-01	0.00E+00	0.00E+00	4.56E+04	2.02E-04		238	25.99	25987	3.64E-04	3.64E-01	0.00E+00	0.00E+00	2.60E+04	8.24E-05
33	0.9040	25	30.74	30736	2.52E-04	2.52E-01	0.00E+00	0.00E+00	3.07E+04	6.29E-05		161	15.80	15803	3.65E-04	3.65E-01	0.00E+00	0.00E+00	1.58E+04	8.24E-05
34	0.9000	26	22.31	22306	4.93E-04	4.93E-01	0.00E+00	0.00E+00	2.23E+04	1.12E-04		128	22.60	22603	3.85E-04	3.85E-01	0.00E+00	0.00E+00	2.39E+04	9.39E-05
35	0.8960	27	50.00	50000	2.10E-03	2.10E+00	0.00E+00	0.00E+00	5.00E+04	1.19E-03		43	19.01	19006	3.87E-04	3.87E-01	0.00E+00	0.00E+00	1.90E+04	8.77E-05
36	0.8920	28	14.19	14193	6.57E-04	6.57E-01	0.00E+00	0.00E+00	1.42E+04	1.49E-04		136	43.96	43959	3.92E-04	3.92E-01	0.00E+00	0.00E+00	4.40E+04	8.79E-05
37	0.8880	29	29.32	29319	6.92E-04	6.92E-01	0.00E+00	0.00E+00	2.93E+04	1.57E-04		66	14.19	14193	3.99E-04	3.99E-01	0.00E+00	0.00E+00	1.42E+04	9.81E-05
38	0.8840	30	27.58	27576	5.30E-04	5.30E-01	0.00E+00	0.00E+00	2.76E+04	1.19E-04		194	25.61	25612	4.00E-04	4.00E-01	0.00E+00	0.00E+00	2.56E+04	9.09E-05
39	0.8800	31	24.20	24197	5.45E-04	5.45E-01	0.00E+00	0.00E+00	2.42E+04	1.23E-04		33	45.59	45586	4.11E-04	4.11E-01	0.00E+00	0.00E+00	4.56E+04	9.35E-05
40	0.8760	32	14.19	14193	1.42E-03	1.42E+00	0.00E+00	0.00E+00	1.42E+04	3.19E-04		225	32.79	32786	4.12E-04	4.12E-01	0.00E+00	0.00E+00	3.28E+04	9.25E-05
41	0.8720	33	45.59	45586	4.11E-04	4.11E-01	0.00E+00	0.00E+00	4.56E+04	9.35E-05		97	40.92	40922	4.13E-04	4.13E-01	0.00E+00	0.00E+00	4.09E+04	9.37E-05
42	0.8680	34	24.20	24197	6.78E-04	6.78E-01	0.00E+00	0.00E+00	2.42E+04	1.52E-04		138	40.92	40922	4.20E-04	4.20E-01	0.00E+00	0.00E+00	4.09E+04	9.55E-05
43	0.8640	35	19.01	19006	9.68E-04	9.68E-01	0.00E+00	0.00E+00	1.92E+04	2.33E-04		9	32.26	32255	4.21E-04	4.21E-01	0.00E+00	0.00E+00	3.23E+04	9.56E-05
44	0.8600	36	50.00	50000	5.55E-02	5.55E+01	0.00E+00	0.00E+00	5.00E+04	3.28E-02		22	17.60	17600	4.21E-04	4.21E-01	0.00E+00	0.00E+00	2.42E+04	9.51E-05
45	0.8560	37	34.45	34452	2.05E-04	2.05E-01	0.00E+00	0.00E+00	3.45E+04	4.64E-05		212	47.29	47291	4.26E-04	4.26E-01	0.00E+00	0.00E+00	4.73E+04	1.04E-04
46	0.8520	38	29.32	29319	6.17E-04	6.17E-01	0.00E+00	0.00E+00	2.93E+04	1.54E-04		8	37.50	37500	4.30E-04	4.30E-01	0.00E+00	0.00E+00	3.75E+04	9.74E-05
47	0.8480	39	17.42	17417	1.05E-03	1.05E+00	0.00E+00	0.00E+00	2.60E+04	2.51E-04		62	40.92	40922	4.32E-04	4.32E-01	0.00E+00	0.00E+00	4.09E+04	9.76E-05
48	0.8440	40	50.00	50000	5.37E-03	5.37E+00	0.00E+00	0.00E+00	5.00E+04	3.10E-03		239	33.33	33328	4.43E-04	4.43E-01	0.00E+00	0.00E+00	3.33E+04	9.94E-05
49	0.8400	41	50.00	50000	9.97E-03	9.97E+00	0.00E+00	0.00E+00	5.00E+04	5.85E-03		223	30.74	30736	4.55E-04	4.55E-01	0.00E+00	0.00E+00	3.07E+04	1.04E-04
50	0.8360	42	42.41	42405	1.14E-03	1.14E+00	0.00E+00	0.00E+00	4.24E+04	2.80E-04		193	44.76	44763	4.70E-04	4.70E-01	0.00E+00	0.00E+00	4.40E+04	1.11E-04
51	0.8320	43	19.01	19006	3.87E-04	3.87E-01	0.00E+00	0.00E+00	1.90E+04	8.77E-05		227	25.99	25987	4.72E-04	4.72E-01	0.00E+00	0.00E+00	2.60E+04	1.06E-04
52	0.8280	44	20.92	20918	7.73E-04	7.73E-01	0.00E+00	0.00E+00	1.76E+04	1.94E-04		140	32.79	32786	4.77E-04	4.77E-01	0.00E+00	0.00E+00	3.28E+04	1.09E-04
53	0.8240	45	30.74	30736	8.04E-04	8.04E-01	0.00E+00	0.00E+00	3.07E+04	1.87E-04		153	40.92	40922	4.79E-04	4.79E-01	0.00E+00	0.00E+00	4.09E+04	1.09E-04
54	0.8200	46	50.00	50000	8.99E-04	8.99E-01	0.00E+00	0.00E+00	5.00E+04	4.33E-04		107	27.58	27576	4.92E-04	4.92E-01	0.00E+00	0.00E+00	2.76E+04	1.17E-04
55	0.8160	47	35.63	35629	5.46E-04	5.46E-01	0.00E+00	0.00E+00	3.56E+04	1.24E-04		26	22.31	22306	4.93E-04	4.93E-01	0.00E+00	0.00E+00	2.23E+04	1.12E-04
56	0.8120	48	39.51	39505	9.05E-04	9.05E-01	0.00E+00	0.00E+00	3.95E+04	2.10E-04		157	25.99	25987	4.98E-04	4.98E-01	0.00E+00	0.00E+00	2.60E+04	1.12E-04
57	0.8080	49	36.24	36238	9.05E-04	9.05E-01	0.00E+00	0.00E+00	3.62E+04	2.04E-04		93	43.96	43959	5.01E-04	5.01E-01	0.00E+00	0.00E+00	4.40E+04	1.12E-04
58	0.8040	50	27.58	27576	1.11E-03	1.11E+00	0.00E+00	0.00E+00	2.76E+04	2.51E-04		192	32.79	32786	5.02E-04	5.02E-01	0.00E+00	0.00E+00	3.28E+04	1.14E-04
59	0.8000	51	14.19	14193	1.35E-03	1.35E+00	0.00E+00	0.00E+00	1.42E+04	3.03E-04		175	40.92	40922	5.02E-04	5.02E-01	0.00E+00	0.00E+00	4.09E+04	1.14E-04
60	0.7960	52	20.92	20918	3.27E-04	3.27E-01	0.00E+00	0.00E+00	2.09E+04	7.28E-05		135	27.68	27676	5.08E-04	5.08E-01	0.00E+00	0.00E+00	2.76E+04	1.21E-04
61	0.7920	53	25.99	25987	9.87E-04	9.87E-01	0.00E+00	0.00E+00	2.60E+04	2.28E-04		181	27.58	27576	5.15E-04	5.15E-01	0.00E+00	0.00E+00	2.76E+04	1.20E-04
62	0.7880	54	38.82	38821	1.02E-03	1.02E+00	0.00E+00	0.00E+00	3.88E+04	2.39E-04		56	43.96	43959	5.19E-04	5.19E-01	0.00E+00	0.00E+00	4.40E+04	1.18E-04
63	0.7840	55	30.74	30736	1.07E-03	1.07E+00	0.00E+00	0.00E+00	3.07E+04	2.44E-04		113	37.50	37500	5.20E-04	5.20E-01	0.00E+00	0.00E+00	3.75E+04	1.17E-04
64	0.7800	56	43.96	43959	5.19E-04	5.19E-01	0.00E+00	0.00E+00	4.40E+04	1.18E-04		94	20.92	20918	5.21E-04	5.21E-01	0.00E+00	0.00E+00	2.09E+04	1.18E-04
65	0.7760	57	42.41	42405	1.30E-02	1.30E+01	0.00E+00	0.00E+00	4.24E+04	7.63E-03		61	42.41	42405	5.21E-04	5.21E-01	0.00E+00	0.00E+00	4.24E+04	1.18E-04
66	0.7720	58	32.26	32255	9.35E-04	9.35E-01	0.00E+00	0.00E+00	3.28E+04	2.12E-04		247	27.58	27576	5.23E-04	5.23E-01	0.00E+00	0.00E+00	2.76E+04	1.19E-04
67	0.7680	59	29.32	29319	5.95E-04	5.95E-01	0.00E+00	0.00E+00	2.93E+04	1.37E-04		190	19.01	19006	5.25E-04	5.25E-01	0.00E+00	0.00E+00	1.90E+04	1.19E-04
68	0.7640	60	44.76	44763	6.46E-04	6.46E-01	0.00E+00	0.00E+00	4.48E+04	1.47E-04		30	27.58	27576	5.30E-04	5.30E-01	0.00E+00	0.00E+00	2.76E+04	1.19E-04
69	0.7600	61	42.41	42405	5.21E-04	5.21E-01	0.00E+00	0.00E+00	4.24E+04	1.18E-04		11	15.80	15803	5.31E-04	5.31E-01	0.00E+00	0.00E+00	5.00E+04	1.50E-04
70	0.7560	62	40.92	40922	4.32E-04	4.32E-01	0.00E+00	0.00E+00	4.09E+04	9.76E-05		111	24.20	24197	5.35E-04	5.35E-01	0.00E+00	0.00E+00	2.42E+04	1.20E-04
71	0.7520	63	47.29	47291	3.40E-04	3.40E-01	0.00E+00	0.00E+00	4.73E+04	7.65E-05		4	20.92	20918	5.44E-04	5.44E-01	0.00E+00	0.00E+00	2.09E+04	1.21E-04
72	0.7480	64	35.63	35629	6.65E-04	6.65E-01	0.00E+00	0.00E+00	3.56E+04	1.51E-04		31	24.20	24197	5.45E-04	5.45E-01	0.00E+00	0.00E+00	2.42E+04	1.23E-04
73	0.7440	65	50.00	50000	5.62E-05	5.62E-02	0.00E+00	0.00E+00	5.00E+04	1.27E-05		47	35.63	35629	5.46E-04	5.46E-01	0.00E+00	0.00E+00	3.56E+04	1.24E-04
74	0.7400	66	14.19	14193	3.99E-04	3.99E-01	0.00E+00	0.00E+00	1.42E+04	9.81E-05		149	32.79	32786	5.46E-04	5.46E-01	0.00E+00	0.00E+00	3.28E+04	1.27E-04
75	0.7360	67	22.60	22603	5.53E-04	5.53E-01	0.00E+00	0.00E+00	2.26E+04	1.24E-04		248	43.96	43959	5.50E-04	5.50E-01	0.00E+00	0.00E+00	4.40E+04	1.23E-04
76	0.7320	68	20.92	20918	9.98E-04	9.98E-01	0.00E+00	0.00E+00	2.09E+04	2.49E-04		67	22.60	22603	5.53E-04	5.53E-01	0.00E+00	0.00E+00	2.26E+04	1.24E-04
77	0.7280	69	38.82	38821	6.81E-04	6.81E-01	0.00E+00	0.00E+00	3.88E+04	1.55E-04		167	43.96	43959	5.68E-04	5.68E-01	0.00E+00	0.00E+00	4.40E+04	1.28E-04
78	0.7240	70	40.21	40205	4.72E-02	4.72E+01	0.00E+00	0.00E+00	4.02E+04	2.79E-02		16	40.92	40922	5.71E-04	5.71E-01	0.00E+00	0.00E+00	4.09E+04	1.29E-04
79	0.7200	71	15.80	15803	8.03E-04	8.03E-01	0.00E+00	0.00E+00	1.58E+04	1.81E-04		216	36.24	36238	5.83E-04	5.83E-01	0.00E+00	0.00E+00	3.62E+04	1.36E-04
80	0.7160	72	24.20	24197	7.38E-04	7.38E-01	0.00E+00	0.00E+00	2.42E+04	1.66E-04		59	29.32	29319	5.95E-04	5.95E-01	0.00E+00	0.00E+00	2.93E+04	1.37E-04
81	0.7120	73	20.92	20918	7.67E-04	7.67E-01	0.00E+00	0.00E+00	2.09E+04	1.74E-04		127	32.26	32255	6.03E-04	6.03E-01	0.00E+00	0.00E+00	3.23E+04	1.37E-04
82	0.7080	74	50.00	50000	1.29E-03	1.29E+00	0.00E+00	0.00E+00	3.75E+04	3.18E-04		207	25.99	25987	6.07E-04	6.07E-01	0.00E+00	0.00E+00	2.60E+04	1.40E-04
83	0.7040	75	37.50	37500	7.29E-04	7.29E-01	0.00E+00	0.00E+00	3.75E+04	1.66E-04		95	23.86	23863	6.16E-04	6.16E-01	0.00E+00	0.00E+00	2.39E+04	1.40E-04
84	0.7000	76	32.26	32255	1.02E-03	1.02E+00	0.00E+00	0.00E+00	3.23E+04	2.33E-04		38	29.32	29319	6.17E-04	6.17E-01	0.00E+00	0.00E+00	2.93E+04	1.54E-04
85	0.6960	77	22.60	22603	1.34E-03	1.34E+00	0.00E+00	0.00E+00	2.26E+04	3.31E-04		195	23.54	23537	6.18E-04	6.18E-01	0.00E+00	0.00E+00	2.35E+04	1.38E-04
86	0.6920	78	30.74	30736	8.71E-04	8.71E-01	0.00E+00	0.00E+00	3.07E+04	1.97E-04		197	30.74	30736	6.19E-04	6.19E-01	0.00E+00	0.00E+00	3.07E+04	1.41E-04
87	0.6880	79	43.96	43959	2.78E-02	2.78E+01	0.00E+00	0.00E+00	4.40E+04	1.63E-02		229	37.50	37500	6.24E-04	6.24E-01	0.00E+00	0.00E+00	3.75E+04	1.59E-04

3/3/00

Enhanced WP Corrosion + Lower Tc Sol. + Higher Tc Rp Sorted 2 of 3

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
88	0.6840	80	38.82	38821	3.43E-04	3.43E-01	0.00E+00	0.00E+00	3.95E+04	7.78E-05		170	14.19	14193	6.29E-04	6.29E-01	0.00E+00	0.00E+00	1.42E+04	1.43E-04
89	0.6800	81	36.24	36238	8.61E-04	8.61E-01	0.00E+00	0.00E+00	3.75E+04	1.95E-04		14	14.19	14193	6.32E-04	6.32E-01	0.00E+00	0.00E+00	1.42E+04	1.43E-04
90	0.6760	82	17.42	17417	1.62E-03	1.62E+00	0.00E+00	0.00E+00	1.74E+04	3.64E-04		142	33.88	33884	6.38E-04	6.38E-01	0.00E+00	0.00E+00	3.39E+04	1.45E-04
91	0.6720	83	17.60	17600	1.52E-03	1.52E+00	0.00E+00	0.00E+00	1.76E+04	3.93E-04		15	22.60	22603	6.41E-04	6.41E-01	0.00E+00	0.00E+00	2.26E+04	1.45E-04
92	0.6680	84	24.20	24197	1.28E-03	1.28E+00	0.00E+00	0.00E+00	2.42E+04	3.00E-04		172	27.58	27576	6.41E-04	6.41E-01	0.00E+00	0.00E+00	2.76E+04	1.46E-04
93	0.6640	85	29.32	29319	8.26E-04	8.26E-01	0.00E+00	0.00E+00	2.93E+04	1.88E-04		60	44.76	44763	6.46E-04	6.46E-01	0.00E+00	0.00E+00	4.48E+04	1.47E-04
94	0.6600	86	44.76	44763	3.41E-04	3.41E-01	0.00E+00	0.00E+00	4.48E+04	7.73E-05		168	20.92	20918	6.49E-04	6.49E-01	0.00E+00	0.00E+00	2.09E+04	1.47E-04
95	0.6560	87	31.23	31231	7.06E-04	7.06E-01	0.00E+00	0.00E+00	3.12E+04	1.60E-04		28	14.19	14193	6.57E-04	6.57E-01	0.00E+00	0.00E+00	1.42E+04	1.49E-04
96	0.6520	88	22.60	22603	1.18E-03	1.18E+00	0.00E+00	0.00E+00	2.26E+04	2.68E-04		64	35.63	35629	6.65E-04	6.65E-01	0.00E+00	0.00E+00	3.56E+04	1.51E-04
97	0.6480	89	15.80	15803	2.25E-03	2.25E+00	0.00E+00	0.00E+00	1.58E+04	5.06E-04		222	32.79	32786	6.66E-04	6.66E-01	0.00E+00	0.00E+00	3.28E+04	1.49E-04
98	0.6440	90	25.99	25987	9.67E-04	9.67E-01	0.00E+00	0.00E+00	2.60E+04	2.42E-04		220	22.60	22603	6.71E-04	6.71E-01	0.00E+00	0.00E+00	2.26E+04	1.52E-04
99	0.6400	91	12.49	12493	6.77E-04	6.77E-01	0.00E+00	0.00E+00	1.25E+04	1.72E-04		116	20.92	20918	6.76E-04	6.76E-01	0.00E+00	0.00E+00	2.09E+04	1.51E-04
100	0.6360	92	16.10	16097	7.28E-04	7.28E-01	0.00E+00	0.00E+00	1.61E+04	1.64E-04		91	12.49	12493	6.77E-04	6.77E-01	0.00E+00	0.00E+00	1.25E+04	1.72E-04
101	0.6320	93	43.96	43959	5.01E-04	5.01E-01	0.00E+00	0.00E+00	4.40E+04	1.12E-04		34	24.20	24197	6.78E-04	6.78E-01	0.00E+00	0.00E+00	2.42E+04	1.52E-04
102	0.6280	94	20.92	20918	5.21E-04	5.21E-01	0.00E+00	0.00E+00	2.09E+04	1.18E-04		69	38.82	38821	6.81E-04	6.81E-01	0.00E+00	0.00E+00	3.88E+04	1.55E-04
103	0.6240	95	23.86	23863	6.16E-04	6.16E-01	0.00E+00	0.00E+00	2.39E+04	1.40E-04		98	40.92	40922	6.85E-04	6.85E-01	0.00E+00	0.00E+00	4.09E+04	1.61E-04
104	0.6200	96	22.60	22603	1.03E-03	1.03E+00	0.00E+00	0.00E+00	2.26E+04	2.35E-04		29	29.32	29319	6.92E-04	6.92E-01	0.00E+00	0.00E+00	2.93E+04	1.57E-04
105	0.6160	97	40.92	40922	4.13E-04	4.13E-01	0.00E+00	0.00E+00	4.09E+04	9.37E-05		1	40.92	40922	6.94E-04	6.94E-01	0.00E+00	0.00E+00	4.09E+04	1.58E-04
106	0.6120	98	40.92	40922	6.85E-04	6.85E-01	0.00E+00	0.00E+00	4.09E+04	1.61E-04		106	28.87	28868	7.00E-04	7.00E-01	0.00E+00	0.00E+00	2.89E+04	1.57E-04
107	0.6080	99	25.99	25987	2.31E-04	2.31E-01	0.00E+00	0.00E+00	2.60E+04	5.17E-05		87	31.23	31231	7.06E-04	7.06E-01	0.00E+00	0.00E+00	3.12E+04	1.60E-04
108	0.6040	100	45.59	45586	1.52E-01	1.52E+02	0.00E+00	0.00E+00	4.56E+04	8.98E-02		171	29.32	29319	7.12E-04	7.12E-01	0.00E+00	0.00E+00	2.93E+04	1.59E-04
109	0.6000	101	30.74	30736	1.61E-03	1.61E+00	0.00E+00	0.00E+00	3.07E+04	3.65E-04		20	22.60	22603	7.16E-04	7.16E-01	0.00E+00	0.00E+00	2.26E+04	1.61E-04
110	0.5960	102	22.60	22603	2.92E-04	2.92E-01	0.00E+00	0.00E+00	2.26E+04	6.55E-05		17	19.23	19226	7.16E-04	7.16E-01	0.00E+00	0.00E+00	1.92E+04	1.63E-04
111	0.5920	103	15.95	15948	2.77E-03	2.77E+00	0.00E+00	0.00E+00	1.59E+04	6.56E-04		130	45.59	45586	7.18E-04	7.18E-01	0.00E+00	0.00E+00	4.56E+04	1.81E-04
112	0.5880	104	15.80	15803	1.24E-03	1.24E+00	0.00E+00	0.00E+00	1.58E+04	2.84E-04		122	45.59	45586	7.20E-04	7.20E-01	0.00E+00	0.00E+00	4.56E+04	1.62E-04
113	0.5840	105	43.96	43959	3.35E-04	3.35E-01	0.00E+00	0.00E+00	4.40E+04	7.54E-05		218	23.22	23219	7.21E-04	7.21E-01	0.00E+00	0.00E+00	2.32E+04	1.64E-04
114	0.5800	106	28.87	28868	7.00E-04	7.00E-01	0.00E+00	0.00E+00	2.89E+04	1.57E-04		92	16.10	16097	7.28E-04	7.28E-01	0.00E+00	0.00E+00	1.61E+04	1.64E-04
115	0.5760	107	27.58	27576	4.92E-04	4.92E-01	0.00E+00	0.00E+00	2.76E+04	1.17E-04		75	37.50	37500	7.29E-04	7.29E-01	0.00E+00	0.00E+00	3.75E+04	1.66E-04
116	0.5720	108	14.09	14088	8.42E-04	8.42E-01	0.00E+00	0.00E+00	1.41E+04	1.89E-04		215	22.60	22603	7.33E-04	7.33E-01	0.00E+00	0.00E+00	2.26E+04	1.64E-04
117	0.5680	109	28.87	28868	1.43E-03	1.43E+00	0.00E+00	0.00E+00	5.00E+04	8.13E-04		72	24.20	24197	7.38E-04	7.38E-01	0.00E+00	0.00E+00	2.42E+04	1.66E-04
118	0.5640	110	27.58	27576	1.27E-03	1.27E+00	0.00E+00	0.00E+00	2.76E+04	2.99E-04		169	22.60	22603	7.47E-04	7.47E-01	0.00E+00	0.00E+00	2.26E+04	1.69E-04
119	0.5600	111	24.20	24197	5.35E-04	5.35E-01	0.00E+00	0.00E+00	2.42E+04	1.20E-04		159	43.96	43959	7.56E-04	7.56E-01	0.00E+00	0.00E+00	4.40E+04	1.87E-04
120	0.5560	112	39.51	39505	7.62E-04	7.62E-01	0.00E+00	0.00E+00	3.95E+04	1.73E-04		112	39.51	39505	7.62E-04	7.62E-01	0.00E+00	0.00E+00	3.95E+04	1.73E-04
121	0.5520	113	37.50	37500	5.20E-04	5.20E-01	0.00E+00	0.00E+00	3.75E+04	1.17E-04		73	20.92	20918	7.67E-04	7.67E-01	0.00E+00	0.00E+00	2.09E+04	1.74E-04
122	0.5480	114	50.00	50000	1.21E-04	1.21E-01	0.00E+00	0.00E+00	5.00E+04	2.89E-05		44	20.92	20918	7.73E-04	7.73E-01	0.00E+00	0.00E+00	1.76E+04	1.94E-04
123	0.5440	115	43.96	43959	6.27E-02	6.27E+01	0.00E+00	0.00E+00	4.40E+04	3.70E-02		230	29.32	29319	7.86E-04	7.86E-01	0.00E+00	0.00E+00	2.93E+04	1.86E-04
124	0.5400	116	20.92	20918	6.76E-04	6.76E-01	0.00E+00	0.00E+00	2.09E+04	1.51E-04		189	22.60	22603	7.87E-04	7.87E-01	0.00E+00	0.00E+00	2.26E+04	1.90E-04
125	0.5360	117	22.60	22603	1.58E-03	1.58E+00	0.00E+00	0.00E+00	2.26E+04	3.59E-04		211	25.61	25612	8.02E-04	8.02E-01	0.00E+00	0.00E+00	2.56E+04	1.80E-04
126	0.5320	118	27.58	27576	1.12E-03	1.12E+00	0.00E+00	0.00E+00	2.76E+04	2.54E-04		71	15.80	15803	8.03E-04	8.03E-01	0.00E+00	0.00E+00	1.58E+04	1.81E-04
127	0.5280	119	29.32	29319	1.19E-03	1.19E+00	0.00E+00	0.00E+00	2.93E+04	2.70E-04		45	30.74	30736	8.04E-04	8.04E-01	0.00E+00	0.00E+00	3.07E+04	1.87E-04
128	0.5240	120	50.00	50000	1.84E-01	1.84E+02	0.00E+00	0.00E+00	5.00E+04	1.09E-01		200	22.60	22603	8.13E-04	8.13E-01	0.00E+00	0.00E+00	2.26E+04	2.02E-04
129	0.5200	121	47.29	47291	1.22E-04	1.22E-01	0.00E+00	0.00E+00	4.73E+04	2.76E-05		85	29.32	29319	8.26E-04	8.26E-01	0.00E+00	0.00E+00	2.93E+04	1.88E-04
130	0.5160	122	45.59	45586	7.20E-04	7.20E-01	0.00E+00	0.00E+00	4.56E+04	1.62E-04		173	27.58	27576	8.27E-04	8.27E-01	0.00E+00	0.00E+00	3.75E+04	1.88E-04
131	0.5120	123	22.60	22603	1.38E-03	1.38E+00	0.00E+00	0.00E+00	2.26E+04	3.13E-04		146	27.58	27576	8.34E-04	8.34E-01	0.00E+00	0.00E+00	2.76E+04	2.03E-04
132	0.5080	124	28.87	28868	2.99E-04	2.99E-01	0.00E+00	0.00E+00	2.89E+04	6.79E-05		108	14.09	14088	8.42E-04	8.42E-01	0.00E+00	0.00E+00	1.41E+04	1.89E-04
133	0.5040	125	27.58	27576	9.09E-04	9.09E-01	0.00E+00	0.00E+00	2.76E+04	2.05E-04		240	25.99	25987	8.49E-04	8.49E-01	0.00E+00	0.00E+00	2.72E+04	1.90E-04
134	0.5000	126	47.29	47291	8.71E-04	8.71E-01	0.00E+00	0.00E+00	4.73E+04	1.98E-04		81	36.24	36238	8.61E-04	8.61E-01	0.00E+00	0.00E+00	3.75E+04	1.95E-04
135	0.4960	127	32.26	32255	6.03E-04	6.03E-01	0.00E+00	0.00E+00	3.23E+04	1.37E-04		78	30.74	30736	8.71E-04	8.71E-01	0.00E+00	0.00E+00	3.07E+04	1.97E-04
136	0.4920	128	22.60	22603	3.85E-04	3.85E-01	0.00E+00	0.00E+00	2.39E+04	9.39E-05		126	47.29	47291	8.71E-04	8.71E-01	0.00E+00	0.00E+00	4.73E+04	1.98E-04
137	0.4880	129	33.88	33884	1.57E-03	1.57E+00	0.00E+00	0.00E+00	3.39E+04	3.57E-04		177	47.29	47291	8.72E-04	8.72E-01	0.00E+00	0.00E+00	4.73E+04	2.90E-04
138	0.4840	130	45.59	45586	7.18E-04	7.18E-01	0.00E+00	0.00E+00	4.56E+04	1.81E-04		245	31.74	31737	8.86E-04	8.86E-01	0.00E+00	0.00E+00	3.17E+04	1.98E-04
139	0.4800	131	15.80	15803	1.00E-03	1.00E+00	0.00E+00	0.00E+00	1.58E+04	2.26E-04		24	45.59	45586	8.89E-04	8.89E-01	0.00E+00	0.00E+00	4.56E+04	2.02E-04
140	0.4760	132	45.59	45586	7.11E-02	7.11E+01	0.00E+00	0.00E+00	4.56E+04	4.20E-02		226	20.41	20406	8.96E-04	8.96E-01	0.00E+00	0.00E+00	2.04E+04	2.00E-04
141	0.4720	133	24.20	24197	9.06E-04	9.06E-01	0.00E+00	0.00E+00	2.42E+04	2.04E-04		46	50.00	50000	8.99E-04	8.99E-01	0.00E+00	0.00E+00	5.00E+04	4.33E-04
142	0.4680	134	20.92	20918	1.79E-03	1.79E+00	0.00E+00	0.00E+00	2.09E+04	4.04E-04		244	22.31	22306	8.99E-04	8.99E-01	0.00E+00	0.00E+00	2.23E+04	2.02E-04
143	0.4640	135	27.58	27576	5.08E-04	5.08E-01	0.00E+00	0.00E+00	2.76E+04	1.21E-04		48	39.51	39505	9.05E-04	9.05E-01	0.00E+00	0.00E+00	3.95E+04	2.10E-04
144	0.4600	136	43.96	43959	3.92E-04	3.92E-01	0.00E+00	0.00E+00	4.40E+04	8.79E-05		49	36.24	36238	9.05E-04	9.05E-01	0.00E+00	0.00E+00	3.62E+04	2.04E-04
145	0.4560	137	27.58	27576	2.06E-03	2.06E+00	0.00E+00	0.00E+00	2.76E+04	4.67E-04		133	24.20	24197	9.06E-04	9.06E-01	0.00E+00	0.00E+00	2.42E+04	2.04E-04
146	0.4520	138	40.92	40922	4.20E-04	4.20E-01	0.00E+00	0.00E+00	4.09E+04	9.55E-05		125	27.58	27576	9.09E-04	9.09E-01	0.00E+00	0.00E+00	2.76E+04	2.05E-04
147	0.4480	139	14.52	14523	1.12E-03	1.12E+00	0.00E+00	0.00E+00	1.45E+04	2.58E-04		228	19.45	19451	9.26E-04	9.26E-01	0.00E+00	0.00E+00	1.95E+04	2.14E-04
148	0.4440	140	32.79	32786	4.77E-04	4.77E-01	0.00E+00	0.00E+00	3.28E+04	1.09E-04		231	32.79	32786	9.29E-04	9.29E-01	0.00E+00	0.00E+00	3.23E+04	2.24E-04
149	0.4400	141	14.19	14193	1.12E-03	1.12E+00	0.00E+00	0.00E+00	1.42E+04	2.51E-04		204	50.00	50000	9.33E-04	9.33E-01	0.00E+00	0.00E+00	5.00E+04	4.99E-04
150	0.4360	142	33.88	33884	6.38E-04	6.38E-01	0.00E+00	0.00E+00	3.39E+04	1.45E-04		219	15.80	15803	9.34E-04	9.34E-01	0.00E+00	0.00E+00	1.58E+04	2.10E-04
151	0.4320	143	38.82	38821	1.23E-03	1.23E+00	0.00E+00	0.00E+00	3.88E+04	2.95E-04		58	32.26	32255	9.35E-04	9.35E-01	0.00E+00	0.00E+00	3.28E+04	2.12E-04
152	0.4280	144	50.00	50000	9.30E-02	9.30E+01	0.00E+00	0.00E+00	5.00E+04	5.49E-02		152	22.60	22603	9.35E-04	9.35E-01	0.00E+00	0.00E+00	2.26E+04	2.36E-04
153	0.4240	145	27.58	27576	1.03E-03	1.03E+00	0.00E+00	0.00E+00	2.76E+04	2.35E-04		237	22.60	22603	9.41E-04	9.41E-01	0.00E+00	0.00E+00	2.26E+04	2.14E-04
154	0.4200	146	27.58	27576	8.34E-04	8.34E-01	0.00E+00	0.00E+00	2.76E+04	2.03E-04		12	24.20	24197	9.53E-04	9.53E-01	0.00E+00	0.00E+00	2.42E+04	2.16E-04
155	0.4160	147	50.00	50000	1.86E-02	1.86E+01	0.00E+00	0.00E+00	5.00E+04	1.09E-02		90	25.99	25987	9.67E-04	9.67E-01	0.00E+00	0.00E+00	2.60E+04	2.42E-04
156	0.4120	148	45.59	45586	1.34E-03	1.34E+00	0.00E+00	0.00E+00	4.56E+04	3.04E-04		35	19.01	19006	9.68E-04	9.68E-01	0.00E+00	0.00E+00	1.92E+04	2.33E-04
157	0.4080	149	32.79	32786	5.46E-04	5.46E-01	0.00E+00	0.00E+00	3.28E+04	1.27E-04		19	10.83	10832	9.70E-04	9.70E-01	0.00E+00	0.00E+00	1.08E+04	2.19E-04
158	0.4040	150	47.29	47291	1.85E-04	1.85E-01	0.00E+00	0.00E+00	4.73E+04	4.22E-05		18	24.20	24197	9.79E-04	9.79E-01	0.00E+00	0.00E+00	2.42E+04	2.21E-04
159	0.4000	151	39.51	39505	3.59E-04	3.59E-01	0.00E+00	0.00E+00	3.95E+04	8.14E-05		186	14.09	14088	9.86E-04	9.86E-01	0.00E+00	0.00E+00	1.41E+04	2.47E-04
160	0.3960	152	22.60	22603	9.35E-04	9.35E-01	0.00E+00	0.00E+00	2.26E+04	2.36E-04		53	25.99	25987	9.87E-04	9.87E-01	0.00E+00	0.00E+00	2.60E+04	2.28E-04
161	0.3920	153	40.92	40922	4.79E-04	4.79E-01	0.00E+00	0.00E+00	4.09E+04	1.09E-04		250	25.99	25987	9.92E-04	9.92E-01	0.00E+00	0.00E+00	2.60E+04	2.24E-04
162	0.3880	154	50.00	50000	1.79E-03	1.79E+00	0.00E+00	0.00E+00	5.00E+04	1.01E-03		221	43.96	43959	9.98E-04	9.98E-01	0.00E+00	0.00E+00	4.40E+04	2.46E-04
163	0.3840	155	15.95	15948	3.57E-06	3.57E-03	0.00E+00	0.00E+00	1.59E+04	8.06E-07		68	20.92	20918	9.98E-04	9.98E-01	0.00E+00	0.00E+00	2.09E+04	2.49E-04
164	0.3800	156	24.20	24197	1.59E-03	1.59E+00	0.00E+00	0.00E+00	2.42E+04	3.60E-04		131	15.80	15803	1.00E-03	1.00E+00	0.00E+00	0.00E+00	1.58E+04	2.26E-04
165	0.3760	157	25.99	25987	4.98E-04	4.98E-01	0.00E+00	0.00E+00	2.60E+04	1.12E-04		158	19.45	19451	1.02E-03	1.02E+00	0.00E+00	0.00E+00	1.95E+04	2.26E-04
166	0.3720	158	19.45	19451	1.02E-03	1.02E+00	0.00E+00	0.00E+00	1.95E+04	2.26E-04		54	38.82	38821	1.02E-03	1.02E+00	0.00E+00	0.00E+00	3.88E+04	2.39E-04
167	0.3680	159	43.96	43959	7.56E-04	7.56E-01	0.00E+00	0.00E+00	4.40E+04	1.87E-04		180	15.80	15803	1.02E-03	1.02E+00	0.00E+00	0.00E+00	1.58E+04	2.32E-04
168	0.3640	160	32.26	32255	1.07E-03	1.07E+00	0.00E+00	0.00E+00	3.23E+04	2.53E-04		76	32.26	32255	1.02E-03	1.02E+00	0.00E+00	0.00E+00	3.23E+04	2.33E-04
169	0.3600	161	15.80	15803	3.65E-04	3.65E-01	0.00E+00	0.00E+00	1.58E+04	8.24E-05		235	38.82	38821	1.02E-03	1.02E+00	0.00E+00	0.00E+00	3.88E+04	2.32E-04
170	0.3560	162	37.50	37500	1.33E-03	1.33E+00	0.00E+00	0.00E+00	3.75E+04	3.02E-04		145	27.58	27576	1.03E-03	1.03E+00	0.00E+00	0.00E+00	2.76E+04	2.35E-04
171	0.3520	163	50.00	50000	2.86E-02	2.86E+01	0.00E+00	0.00E+00	5.00E+04	1.68E-02		96	22.60	22603	1.03E-03	1.03E+00	0.00E+00	0.00E+00	2.26E+04	2.35E-04
172	0.3480	164	22.31	22306	1.09E-03	1.09E+00	0.00E+00	0.00E+00	1.27E+04	2.71E-04		203	17.60	17600	1.04E-03	1.04E+00	0.00E+00	0.00E+00	1.76E+04	2.36E-04
173	0.3440	165	30.74	30736	1.51E-03	1.51E+00	0.00E+00	0.00E+00	2.93E+04	3.61E-04		199	50.00	50000	1.05E-03	1.05E+00	0.00E+00	0.00E+00	5.00E+04	5.87E-04
174	0.3400	166	44.76	44763	2.13E-04	2.13E-01	0.00E+00	0.00E+00	4.48E+04	4.80E-05		39	17.42	17417	1.05E-03	1.05E+00	0.00E+00	0.00E+00	2.60E+04	2.51E-04

3/3/00 [initials]

Enhanced WP Corrosion + Lower Tc Sol + Higher Tc Rd Sorted 3 of 3

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
175	0.3360	167	43.96	43959	5.68E-04	5.68E-01	0.00E+00	0.00E+00	4.40E+04	1.28E-04		160	32.26	32255	1.07E-03	1.07E+00	0.00E+00	0.00E+00	3.23E+04	2.53E-04
176	0.3320	168	20.92	20918	6.49E-04	6.49E-01	0.00E+00	0.00E+00	2.09E+04	1.47E-04		55	30.74	30736	1.07E-03	1.07E+00	0.00E+00	0.00E+00	3.07E+04	2.44E-04
177	0.3280	169	22.60	22603	7.47E-04	7.47E-01	0.00E+00	0.00E+00	2.26E+04	1.69E-04		164	22.31	22306	1.09E-03	1.09E+00	0.00E+00	0.00E+00	1.27E+04	2.71E-04
178	0.3240	170	14.19	14193	6.29E-04	6.29E-01	0.00E+00	0.00E+00	1.42E+04	1.43E-04		233	20.92	20918	1.10E-03	1.10E+00	0.00E+00	0.00E+00	2.09E+04	2.50E-04
179	0.3200	171	29.32	29319	7.12E-04	7.12E-01	0.00E+00	0.00E+00	2.93E+04	1.59E-04		50	27.58	27576	1.11E-03	1.11E+00	0.00E+00	0.00E+00	2.76E+04	2.51E-04
180	0.3160	172	27.58	27576	6.41E-04	6.41E-01	0.00E+00	0.00E+00	2.76E+04	1.46E-04		141	14.19	14193	1.12E-03	1.12E+00	0.00E+00	0.00E+00	1.42E+04	2.51E-04
181	0.3120	173	27.58	27576	8.27E-04	8.27E-01	0.00E+00	0.00E+00	3.75E+04	1.88E-04		139	14.52	14523	1.12E-03	1.12E+00	0.00E+00	0.00E+00	1.45E+04	2.58E-04
182	0.3080	174	42.41	42405	6.45E-02	6.45E+01	0.00E+00	0.00E+00	4.48E+04	3.79E-02		118	27.58	27576	1.12E-03	1.12E+00	0.00E+00	0.00E+00	2.76E+04	2.54E-04
183	0.3040	175	40.92	40922	5.02E-04	5.02E-01	0.00E+00	0.00E+00	4.09E+04	1.14E-04		21	44.76	44763	1.14E-03	1.14E+00	0.00E+00	0.00E+00	4.48E+04	2.61E-04
184	0.3000	176	15.80	15803	2.43E-03	2.43E+00	0.00E+00	0.00E+00	1.58E+04	5.48E-04		42	42.41	42405	1.14E-03	1.14E+00	0.00E+00	0.00E+00	4.24E+04	2.60E-04
185	0.2960	177	47.29	47291	8.72E-04	8.72E-01	0.00E+00	0.00E+00	4.73E+04	2.90E-04		198	12.56	12561	1.16E-03	1.16E+00	0.00E+00	0.00E+00	1.33E+04	2.60E-04
186	0.2920	178	50.00	50000	2.52E-02	2.52E+01	0.00E+00	0.00E+00	5.00E+04	1.49E-02		185	20.92	20918	1.17E-03	1.17E+00	0.00E+00	0.00E+00	2.09E+04	2.65E-04
187	0.2880	179	50.00	50000	7.91E-02	7.91E+01	0.00E+00	0.00E+00	5.00E+04	4.67E-02		88	22.60	22603	1.18E-03	1.18E+00	0.00E+00	0.00E+00	2.26E+04	2.68E-04
188	0.2840	180	15.80	15803	1.02E-03	1.02E+00	0.00E+00	0.00E+00	1.58E+04	2.32E-04		119	29.32	29319	1.19E-03	1.19E+00	0.00E+00	0.00E+00	2.93E+04	2.70E-04
189	0.2800	181	27.58	27576	5.15E-04	5.15E-01	0.00E+00	0.00E+00	2.76E+04	1.20E-04		214	14.19	14193	1.19E-03	1.19E+00	0.00E+00	0.00E+00	1.42E+04	2.71E-04
190	0.2760	182	24.20	24197	2.29E-03	2.29E+00	0.00E+00	0.00E+00	2.42E+04	5.16E-04		143	38.82	38821	1.23E-03	1.23E+00	0.00E+00	0.00E+00	3.88E+04	2.95E-04
191	0.2720	183	50.00	50000	2.70E-02	2.70E+01	0.00E+00	0.00E+00	5.00E+04	1.59E-02		104	15.80	15803	1.24E-03	1.24E+00	0.00E+00	0.00E+00	1.58E+04	2.84E-04
192	0.2680	184	50.00	50000	2.51E-02	2.51E+01	0.00E+00	0.00E+00	5.00E+04	1.48E-02		234	24.20	24197	1.25E-03	1.25E+00	0.00E+00	0.00E+00	2.42E+04	3.13E-04
193	0.2640	185	20.92	20918	1.17E-03	1.17E+00	0.00E+00	0.00E+00	2.09E+04	2.65E-04		110	27.58	27576	1.27E-03	1.27E+00	0.00E+00	0.00E+00	2.76E+04	2.99E-04
194	0.2600	186	14.09	14088	9.86E-04	9.86E-01	0.00E+00	0.00E+00	1.41E+04	2.47E-04		84	24.20	24197	1.28E-03	1.28E+00	0.00E+00	0.00E+00	2.42E+04	3.00E-04
195	0.2560	187	26.76	26763	1.29E-04	1.29E-01	0.00E+00	0.00E+00	2.68E+04	2.90E-05		74	50.00	50000	1.29E-03	1.29E+00	0.00E+00	0.00E+00	3.75E+04	3.18E-04
196	0.2520	188	27.58	27576	1.76E-03	1.76E+00	0.00E+00	0.00E+00	2.76E+04	3.98E-04		217	25.61	25612	1.31E-03	1.31E+00	0.00E+00	0.00E+00	2.56E+04	3.14E-04
197	0.2480	189	22.60	22603	7.87E-04	7.87E-01	0.00E+00	0.00E+00	2.26E+04	1.90E-04		162	37.50	37500	1.33E-03	1.33E+00	0.00E+00	0.00E+00	3.75E+04	3.02E-04
198	0.2440	190	19.01	19006	5.25E-04	5.25E-01	0.00E+00	0.00E+00	1.90E+04	1.19E-04		77	22.60	22603	1.34E-03	1.34E+00	0.00E+00	0.00E+00	2.26E+04	3.31E-04
199	0.2400	191	20.92	20918	2.84E-03	2.84E+00	0.00E+00	0.00E+00	2.09E+04	6.38E-04		148	45.59	45586	1.34E-03	1.34E+00	0.00E+00	0.00E+00	4.56E+04	3.04E-04
200	0.2360	192	32.79	32786	5.02E-04	5.02E-01	0.00E+00	0.00E+00	3.28E+04	1.14E-04		51	14.19	14193	1.35E-03	1.35E+00	0.00E+00	0.00E+00	1.42E+04	3.03E-04
201	0.2320	193	44.76	44763	4.70E-04	4.70E-01	0.00E+00	0.00E+00	4.40E+04	1.11E-04		123	22.60	22603	1.38E-03	1.38E+00	0.00E+00	0.00E+00	2.26E+04	3.13E-04
202	0.2280	194	25.61	25612	4.00E-04	4.00E-01	0.00E+00	0.00E+00	2.56E+04	9.09E-05		32	14.19	14193	1.42E-03	1.42E+00	0.00E+00	0.00E+00	1.42E+04	3.19E-04
203	0.2240	195	23.54	23537	6.18E-04	6.18E-01	0.00E+00	0.00E+00	2.35E+04	1.38E-04		109	28.87	28868	1.43E-03	1.43E+00	0.00E+00	0.00E+00	5.00E+04	8.13E-04
204	0.2200	196	19.23	19226	1.75E-03	1.75E+00	0.00E+00	0.00E+00	1.92E+04	4.50E-04		165	30.74	30736	1.51E-03	1.51E+00	0.00E+00	0.00E+00	2.93E+04	3.61E-04
205	0.2160	197	30.74	30736	6.19E-04	6.19E-01	0.00E+00	0.00E+00	3.07E+04	1.41E-04		83	17.60	17600	1.52E-03	1.52E+00	0.00E+00	0.00E+00	1.76E+04	3.93E-04
206	0.2120	198	12.56	12561	1.16E-03	1.16E+00	0.00E+00	0.00E+00	1.33E+04	2.60E-04		129	33.88	33884	1.57E-03	1.57E+00	0.00E+00	0.00E+00	3.39E+04	3.57E-04
207	0.2080	199	50.00	50000	1.05E-03	1.05E+00	0.00E+00	0.00E+00	5.00E+04	5.87E-04		117	22.60	22603	1.58E-03	1.58E+00	0.00E+00	0.00E+00	2.26E+04	3.59E-04
208	0.2040	200	22.60	22603	8.13E-04	8.13E-01	0.00E+00	0.00E+00	2.26E+04	2.02E-04		156	24.20	24197	1.59E-03	1.59E+00	0.00E+00	0.00E+00	2.42E+04	3.60E-04
209	0.2000	201	15.80	15803	3.30E-03	3.30E+00	0.00E+00	0.00E+00	1.58E+04	7.46E-04		101	30.74	30736	1.61E-03	1.61E+00	0.00E+00	0.00E+00	3.07E+04	3.65E-04
210	0.1960	202	40.92	40922	2.87E-04	2.87E-01	0.00E+00	0.00E+00	4.09E+04	6.51E-05		82	17.42	17417	1.62E-03	1.62E+00	0.00E+00	0.00E+00	1.74E+04	3.64E-04
211	0.1920	203	17.60	17600	1.04E-03	1.04E+00	0.00E+00	0.00E+00	1.76E+04	2.36E-04		5	22.31	22306	1.72E-03	1.72E+00	0.00E+00	0.00E+00	2.23E+04	3.90E-04
212	0.1880	204	50.00	50000	9.33E-04	9.33E-01	0.00E+00	0.00E+00	5.00E+04	4.99E-04		205	8.49	8490	1.73E-03	1.73E+00	0.00E+00	0.00E+00	8.49E+03	3.88E-04
213	0.1840	205	8.49	8490	1.73E-03	1.73E+00	0.00E+00	0.00E+00	8.49E+03	3.88E-04		196	19.23	19226	1.75E-03	1.75E+00	0.00E+00	0.00E+00	1.92E+04	4.50E-04
214	0.1800	206	50.00	50000	3.53E-02	3.53E+01	0.00E+00	0.00E+00	5.00E+04	2.08E-02		188	27.58	27576	1.76E-03	1.76E+00	0.00E+00	0.00E+00	2.76E+04	3.98E-04
215	0.1760	207	25.99	25987	6.07E-04	6.07E-01	0.00E+00	0.00E+00	2.60E+04	1.40E-04		154	50.00	50000	1.79E-03	1.79E+00	0.00E+00	0.00E+00	5.00E+04	1.01E-03
216	0.1720	208	50.00	50000	5.70E-03	5.70E+00	0.00E+00	0.00E+00	5.00E+04	3.34E-03		134	20.92	20918	1.79E-03	1.79E+00	0.00E+00	0.00E+00	2.09E+04	4.04E-04
217	0.1680	209	50.00	50000	3.38E-04	3.38E-01	0.00E+00	0.00E+00	5.00E+04	7.70E-05		213	20.92	20918	1.87E-03	1.87E+00	0.00E+00	0.00E+00	2.09E+04	4.23E-04
218	0.1640	210	25.61	25612	2.91E-04	2.91E-01	0.00E+00	0.00E+00	2.56E+04	6.55E-05		3	10.00	10000	1.87E-03	1.87E+00	0.00E+00	0.00E+00	1.00E+04	4.21E-04
219	0.1600	211	25.61	25612	8.02E-04	8.02E-01	0.00E+00	0.00E+00	2.56E+04	1.80E-04		137	27.58	27576	2.06E-03	2.06E+00	0.00E+00	0.00E+00	2.76E+04	4.67E-04
220	0.1560	212	47.29	47291	4.26E-04	4.26E-01	0.00E+00	0.00E+00	4.73E+04	1.04E-04		27	50.00	50000	2.10E-03	2.10E+00	0.00E+00	0.00E+00	5.00E+04	1.19E-03
221	0.1520	213	20.92	20918	1.87E-03	1.87E+00	0.00E+00	0.00E+00	2.09E+04	4.23E-04		89	15.80	15803	2.25E-03	2.25E+00	0.00E+00	0.00E+00	1.58E+04	5.06E-04
222	0.1480	214	14.19	14193	1.19E-03	1.19E+00	0.00E+00	0.00E+00	1.42E+04	2.71E-04		182	24.20	24197	2.29E-03	2.29E+00	0.00E+00	0.00E+00	2.42E+04	5.16E-04
223	0.1440	215	22.60	22603	7.33E-04	7.33E-01	0.00E+00	0.00E+00	2.26E+04	1.64E-04		176	15.80	15803	2.43E-03	2.43E+00	0.00E+00	0.00E+00	1.58E+04	5.48E-04
224	0.1400	216	36.24	36238	5.83E-04	5.83E-01	0.00E+00	0.00E+00	3.62E+04	1.36E-04		103	15.95	15948	2.77E-03	2.77E+00	0.00E+00	0.00E+00	1.59E+04	6.56E-04
225	0.1360	217	25.61	25612	1.31E-03	1.31E+00	0.00E+00	0.00E+00	2.56E+04	3.14E-04		191	20.92	20918	2.84E-03	2.84E+00	0.00E+00	0.00E+00	2.09E+04	6.38E-04
226	0.1320	218	23.22	23219	7.21E-04	7.21E-01	0.00E+00	0.00E+00	2.32E+04	1.64E-04		201	15.80	15803	3.30E-03	3.30E+00	0.00E+00	0.00E+00	1.58E+04	7.46E-04
227	0.1280	219	15.80	15803	9.34E-04	9.34E-01	0.00E+00	0.00E+00	1.58E+04	2.10E-04		40	50.00	50000	5.37E-03	5.37E+00	0.00E+00	0.00E+00	5.00E+04	3.10E-03
228	0.1240	220	22.60	22603	6.71E-04	6.71E-01	0.00E+00	0.00E+00	2.26E+04	1.52E-04		208	50.00	50000	5.70E-03	5.70E+00	0.00E+00	0.00E+00	5.00E+04	3.34E-03
229	0.1200	221	43.96	43959	9.98E-04	9.98E-01	0.00E+00	0.00E+00	4.40E+04	2.46E-04		41	50.00	50000	9.97E-03	9.97E+00	0.00E+00	0.00E+00	5.00E+04	5.85E-03
230	0.1160	222	32.79	32786	6.66E-04	6.66E-01	0.00E+00	0.00E+00	3.28E+04	1.49E-04		249	25.99	25987	1.21E-02	1.21E+01	0.00E+00	0.00E+00	2.60E+04	7.13E-03
231	0.1120	223	30.74	30736	4.55E-04	4.55E-01	0.00E+00	0.00E+00	3.07E+04	1.04E-04		57	42.41	42405	1.30E-02	1.30E+01	0.00E+00	0.00E+00	4.24E+04	7.63E-03
232	0.1080	224	50.00	50000	1.31E-02	1.31E+01	0.00E+00	0.00E+00	5.00E+04	7.75E-03		224	50.00	50000	1.31E-02	1.31E+01	0.00E+00	0.00E+00	5.00E+04	7.75E-03
233	0.1040	225	32.79	32786	4.12E-04	4.12E-01	0.00E+00	0.00E+00	3.28E+04	9.25E-05		147	50.00	50000	1.86E-02	1.86E+01	0.00E+00	0.00E+00	5.00E+04	1.09E-02
234	0.1000	226	20.41	20406	8.96E-04	8.96E-01	0.00E+00	0.00E+00	2.04E+04	2.00E-04		7	50.00	50000	2.24E-02	2.24E+01	0.00E+00	0.00E+00	5.00E+04	1.32E-02
235	0.0960	227	25.99	25987	4.72E-04	4.72E-01	0.00E+00	0.00E+00	2.60E+04	1.06E-04		184	50.00	50000	2.51E-02	2.51E+01	0.00E+00	0.00E+00	5.00E+04	1.48E-02
236	0.0920	228	19.45	19451	9.26E-04	9.26E-01	0.00E+00	0.00E+00	1.95E+04	2.14E-04		178	50.00	50000	2.52E-02	2.52E+01	0.00E+00	0.00E+00	5.00E+04	1.49E-02
237	0.0880	229	37.50	37500	6.24E-04	6.24E-01	0.00E+00	0.00E+00	3.75E+04	1.59E-04		183	50.00	50000	2.70E-02	2.70E+01	0.00E+00	0.00E+00	5.00E+04	1.59E-02
238	0.0840	230	29.32	29319	7.86E-04	7.86E-01	0.00E+00	0.00E+00	2.93E+04	1.86E-04		13	46.43	46429	2.72E-02	2.72E+01	0.00E+00	0.00E+00	4.64E+04	1.60E-02
239	0.0800	231	32.79	32786	9.29E-04	9.29E-01	0.00E+00	0.00E+00	3.23E+04	2.24E-04		79	43.96	43959	2.78E-02	2.78E+01	0.00E+00	0.00E+00	4.40E+04	1.63E-02
240	0.0760	232	37.50	37500	3.05E-02	3.05E+01	0.00E+00	0.00E+00	3.75E+04	1.80E-02		163	50.00	50000	2.86E-02	2.86E+01	0.00E+00	0.00E+00	5.00E+04	1.68E-02
241	0.0720	233	20.92	20918	1.10E-03	1.10E+00	0.00E+00	0.00E+00	2.09E+04	2.50E-04		232	37.50	37500	3.05E-02	3.05E+01	0.00E+00	0.00E+00	3.75E+04	1.80E-02
242	0.0680	234	24.20	24197	1.25E-03	1.25E+00	0.00E+00	0.00E+00	2.42E+04	3.13E-04		243	50.00	50000	3.19E-02	3.19E+01	0.00E+00	0.00E+00	5.00E+04	1.88E-02
243	0.0640	235	38.82	38821	1.02E-03	1.02E+00	0.00E+00	0.00E+00	3.88E+04	2.32E-04		206	50.00	50000	3.53E-02	3.53E+01	0.00E+00	0.00E+00	5.00E+04	2.08E-02
244	0.0600	236	45.59	45586	6.05E-02	6.05E+01	0.00E+00	0.00E+00	4.56E+04	3.57E-02		70	40.21	40205	4.72E-02	4.72E+01	0.00E+00	0.00E+00	4.02E+04	2.79E-02
245	0.0560	237	22.60	22603	9.41E-04	9.41E-01	0.00E+00	0.00E+00	2.26E+04	2.14E-04		246	37.50	37500	4.82E-02	4.82E+01	0.00E+00	0.00E+00	3.75E+04	2.84E-02
246	0.0520	238	25.99	25987	3.64E-04	3.64E-01	0.00E+00	0.00E+00	2.60E+04	8.24E-05		36	50.00	50000	5.55E-02	5.55E+01	0.00E+00	0.00E+00	5.00E+04	3.28E-02
247	0.0480	239	33.33	33328	4.43E-04	4.43E-01	0.00E+00	0.00E+00	3.33E+04	9.94E-05		241	50.00	50000	5.63E-02	5.63E+01	0.00E+00	0.00E+00	5.00E+04	3.33E-02
248	0.0440	240	25.99	25987	8.49E-04	8.49E-01	0.00E+00	0.00E+00	2.72E+04	1.90E-04		242	50.00	50000	5.68E-02	5.68E+01	0.00E+00	0.00E+00	5.00E+04	3.35E-02
249	0.0400	241	50.00	50000	5.63E-02	5.63E+01	0.00E+00	0.00E+00	5.00E+04	3.33E-02		236	45.59	45586	6.05E-02	6.05E+01	0.00E+00	0.00E+00	4.56E+04	3.57E-02
250	0.0360	242	50.00	50000	5.68E-02	5.68E+01	0.00E+00	0.00E+00	5.00E+04	3.35E-02		115	43.96	43959	6.27E-02	6.27E+01	0.00E+00	0.00E+00	4.40E+04	3.70E-02
251	0.0320	243	50.00	50000	3.19E-02	3.19E+01	0.00E+00	0.00E+00	5.00E+04	1.88E-02		174	42.41	42405	6.45E-02	6.45E+01	0.00E+00	0.00E+00	4.48E+04	3.79E-02
252	0.0280	244	22.31	22306	8.99E-04	8.99E-01	0.00E+00	0.00E+00	2.23E+04	2.02E-04		6	35.63	35629	6.83E-02	6.83E+01	0.00E+00	0.00E+00	3.56E+04	4.04E-02
253	0.0240	245	31.74	31737	8.86E-04	8.86E-01	0.00E+00	0.00E+00	3.17E+04	1.98E-04		132	45.59	45586	7.11E-02	7.11E+01	0.00E+00	0.00E+00	4.56E+04	4.20E-02
254	0.0200	246	37.50	37500	4.82E-02	4.82E+01	0.00E+00	0.00E+00	3.75E+04	2.84E-02		179	50.00	50000	7.91E-02	7.91E+01	0.00E+00	0.00E+00	5.00E+04	4.67E-02
255	0.0160	247	27.58	27576	5.23E-04	5.23E-01	0.00E+00	0.00E+00	2.76E+04	1.19E-04		23	47.29	47291	8.21E-02	8.21E+01	0.00E+00	0.00E+00	4.73E+04	4.85E-02
256	0.0120	248	43.96	43959	5.50E-04	5.50E-01	0.00E+00	0.00E+00	4.40E+04	1.23E-04		144	50.00	50000	9.30E-02	9.30E+01	0.00E+00	0.00E+00	5.00E+04	5.49E-02
257	0.0080	249	25.99	25987	1.21E-02	1.21E+01	0.00E+00	0.00E+00	2.60E+04	7.13E-03		100	45.59	45586	1.52E-01	1.52E+02	0.00E+00	0.00E+00	4.56E+04	8.98E-02
258	0.0040	250	25.99	25987	9.92E-04	9.92E-01	0.00E+00	0.00E+00	2.60E+04	2.24E-04		120	50.00	50000	1.84E-01	1.84E+02	0.00E+00	0.00E+00	5.00E+04	1.09E-01

[initials]

FINAL ENTRY

This notebook appears to comply with QAP-001.

[signature]

4/14/2000

The STATEMENT above fully complies with QAP-001 Section 3.6.8.

[signature]

8/22/2000

ADDITIONAL INFORMATION FOR SCIENTIFIC NOTEBOOK #: 252

Document Date:	01/13/1998
Availability:	Southwest Research Institute Center for Nuclear Waste Regulatory Analyses 6220 Culebra Road San Antonio, Texas 78228
Contact:	U.S. Nuclear Regulatory Commission Public Document Room 01F13 One White Flint North 11555 Rockville Pike Rockville, Maryland 10852 1-800-397-4209
Data Sensitivity:	■"Non-Sensitive" □ Sensitive □"Non-Sensitive - Copyright" ☐ Sensitive - Copyright
Date Generated:	02/0101998 through 04/15/1999
Operating System: (including version number)	Windows, Version 3.1 and 3.1.1
Application Used: (including version number)	MS Excel, Version 5.0; PHREEQC, Version 1.6
Media Type: (CDs, 3 1/2, 5 1/4 disks, etc.)	1 CD
File Types: (.exe, .bat, .zip, etc.)	Various
Remarks: (computer runs, etc.)	Media contains: Self-extracting executable; database: thermodynamic data; zip files.