

-Page-	Alpha	T(C)	P(atm)	Mol-CO(g)	Mol-CO2(g)	Mol-FeO(SLAG)	Mol-SiO2(SLAG)
1	0	800	1	0	0	0	0
2	50000	800	1	32748.978	17229.831	0	0
3	100000	800	1	65497.955	34459.661	0	0
4	150000	800	1	98246.933	51689.492	0	0
5	200000	800	1	130995.91	68919.323	0	0
6	250000	800	1	163744.89	86149.154	0	0
7	300000	800	1	196493.87	103378.98	0	0
8	350000	800	1	229242.84	120608.82	0	0
9	400000	800	1	261991.82	137838.65	0	0
10	450000	800	1	294740.8	155068.48	0	0
11	500000	800	1	327489.78	172298.31	0	0
12	550000	800	1	360238.75	189528.14	0	0
13	600000	800	1	394087.52	205655.74	0	0
14	650000	800	1	479766.66	162816.17	0	0
15	700000	800	1	555350.73	125024.14	0	0
16	750000	800	1	632825.93	86286.535	0	0
17	800000	800	1	640731.03	82333.987	0	0
18	850000	800	1	640731.03	82333.987	0	0
19	900000	800	1	640731.03	82333.987	0	0
20	950000	800	1	640731.03	82333.987	0	0
21	1000000	800	1	640731.03	82333.987	0	0
22	0	850	1	0	0	0	0
23	50000	850	1	33733.665	16249.116	0	0
24	100000	850	1	67467.33	32498.233	0	0
25	150000	850	1	101200.99	48747.349	0	0
26	200000	850	1	134934.66	64996.466	0	0
27	250000	850	1	168668.32	81245.582	0	0
28	300000	850	1	202401.99	97494.699	0	0
29	350000	850	1	236135.65	113743.82	0	0
30	400000	850	1	269869.32	129992.93	0	0
31	450000	850	1	303602.98	146242.05	0	0
32	500000	850	1	337336.65	162491.16	0	0
33	550000	850	1	371070.31	178740.28	0	0
34	600000	850	1	404803.98	194989.4	0	0
35	650000	850	1	480074.63	162662.19	0	0
36	700000	850	1	569625.18	117886.91	0	0
37	750000	850	1	651589.72	76904.641	0	0
38	800000	850	1	719212.4	43093.304	0	0
39	850000	850	1	720730.18	42334.413	0	0
40	900000	850	1	720730.18	42334.413	0	0
41	950000	850	1	720730.18	42334.413	0	0
42	1000000	850	1	720730.18	42334.413	0	0
43	0	900	1	0	0	0	0
44	50000	900	1	34406.708	15350.838	0	0
45	100000	900	1	68813.416	30701.676	0	0
46	150000	900	1	103220.12	46052.514	0	0

47	200000	900	1	137626.83	61403.352	0	0
48	250000	900	1	172033.54	76754.191	0	0
49	300000	900	1	206440.25	92105.029	0	0
50	350000	900	1	240846.96	107455.87	0	0
51	400000	900	1	275253.66	122806.7	0	0
52	450000	900	1	309660.37	138157.54	0	0
53	500000	900	1	344067.08	153508.38	0	0
54	550000	900	1	378473.79	168859.22	0	0
55	600000	900	1	412880.5	184210.06	0	0
56	650000	900	1	485865.08	159766.96	0	0
57	700000	900	1	578852.87	113273.06	0	0
58	750000	900	1	665111.35	70143.829	0	0
59	800000	900	1	735336.01	35031.505	0	0
60	850000	900	1	762758.51	21320.27	0	0
61	900000	900	1	762758.51	21320.27	0	0
62	950000	900	1	762758.51	21320.27	0	0
63	1000000	900	1	762758.51	21320.27	0	0
64	0	950	1	0	0	362416.29	194601
65	50000	950	1	35186.037	14648.986	362423.64	194601
66	100000	950	1	70377.947	29300.418	362423.64	194601
67	150000	950	1	105569.86	43951.85	362423.64	194601
68	200000	950	1	140761.77	58603.282	362423.64	194601
69	250000	950	1	175959.55	73257.159	0	0
70	300000	950	1	211151.46	87908.591	0	0
71	350000	950	1	250129.89	98699.069	348888.12	194601
72	400000	950	1	289720.85	108870.59	291063.68	167920.35
73	450000	950	1	325937.51	122480	229091.65	132167.46
74	500000	950	1	362154.16	136089.4	167119.61	96414.579
75	550000	950	1	398370.82	149698.81	105147.57	60661.696
76	600000	950	1	434587.48	163308.21	43175.535	24908.813
77	650000	950	1	489242.09	158078.45	0	0
78	700000	950	1	584621.51	110388.75	0	0
79	750000	950	1	674551.63	65423.692	0	0
80	800000	950	1	747789.29	28804.896	0	0
81	850000	950	1	783498.45	10950.519	0	0
82	900000	950	1	783498.45	10950.519	0	0
83	950000	950	1	783498.45	10950.519	0	0
84	1000000	950	1	783498.45	10950.519	0	0
85	0	1000	1	0	0	390313.74	194601
86	50000	1000	1	35879.167	14009.568	390321.72	194601
87	100000	1000	1	71763.199	28021.036	390321.72	194601
88	150000	1000	1	107647.23	42032.503	390321.72	194601
89	200000	1000	1	143531.26	56043.97	390321.72	194601
90	250000	1000	1	179420.16	70057.337	0	0
91	300000	1000	1	215304.19	84068.805	0	0
92	350000	1000	1	259010.76	90153.932	357062.31	194601
93	400000	1000	1	305830.58	93069.417	307335.84	184354.55

94	450000	1000	1	344060.52	104703.43	247033.53	148182.38
95	500000	1000	1	382290.45	116337.45	186731.22	112010.2
96	550000	1000	1	420520.38	127971.46	126428.91	75838.028
97	600000	1000	1	458750.32	139605.48	66126.596	39665.854
98	650000	1000	1	496980.25	151239.49	5824.2845	3493.6808
99	700000	1000	1	588178.73	108610.14	0	0
100	750000	1000	1	680977.96	62210.536	0	0
101	800000	1000	1	757404.65	23997.313	0	0
102	850000	1000	1	791777.81	6812.034	0	0
103	900000	1000	1	793734.38	5834.1971	0	0
104	950000	1000	1	793734.38	5834.1971	0	0
105	1000000	1000	1	793734.38	5834.1971	0	0
106	0	1050	1	0	0	423896.46	194601
107	50000	1050	1	36498.44	13423.881	423905.54	194601
108	100000	1050	1	73001.146	26849.331	423905.54	194601
109	150000	1050	1	109503.85	40274.781	423905.54	194601
110	200000	1050	1	146006.56	53700.231	423905.54	194601
111	250000	1050	1	182513.53	67127.249	0	0
112	300000	1050	1	220637.42	78912.55	412855.27	194601
113	350000	1050	1	266971.72	82415.509	364558.58	194601
114	400000	1050	1	317375.04	81778.835	318815.71	194601
115	450000	1050	1	359322.6	89694.395	262282.33	163750.01
116	500000	1050	1	399248.05	99660.617	203413.2	126996.41
117	550000	1050	1	439173.5	109626.84	144544.07	90242.806
118	600000	1050	1	479098.95	119593.06	85674.938	53489.201
119	650000	1050	1	519024.4	129559.29	26805.807	16735.597
120	700000	1050	1	590378.23	107510.4	0	0
121	750000	1050	1	685282.47	60058.311	0	0
122	800000	1050	1	764850.05	20274.904	0	0
123	850000	1050	1	795928.93	4741.471	0	0
124	900000	1050	1	798945	3239.4413	0	0
125	950000	1050	1	798945	3239.4413	0	0
126	1000000	1050	1	798945	3239.4413	0	0
127	0	1100	1	0	0	466882.97	194601
128	50000	1100	1	37057.503	12886.334	466894.1	194601
129	100000	1100	1	74118.989	25774.053	466894.1	194601
130	150000	1100	1	111180.48	38661.773	466894.1	194601
131	200000	1100	1	148241.96	51549.492	466894.1	194601
132	250000	1100	1	185303.45	64437.212	466894.1	194601
133	300000	1100	1	227802.43	71854.376	419966.08	194601
134	350000	1100	1	274113.6	75425.196	371398.66	194601
135	400000	1100	1	324152.92	75217.964	325138.92	194600.99
136	450000	1100	1	372143.64	77060.679	275191.87	179048.25
137	500000	1100	1	413493.46	85623.086	217543.06	141540.17
138	550000	1100	1	454843.28	94185.492	159894.26	104032.1
139	600000	1100	1	496193.1	102747.9	102245.45	66524.021
140	650000	1100	1	537542.92	111310.31	44596.648	29015.943

141	700000	1100	1	591756.7	106821.17	0	0
142	750000	1100	1	688147.9	58625.643	0	0
143	800000	1100	1	770643.86	17378.796	0	0
144	850000	1100	1	798771.35	3340.2579	0	0
145	900000	1100	1	801793.85	1873.7339	0	0
146	950000	1100	1	801793.85	1873.7339	0	0
147	1000000	1100	1	801793.85	1873.7339	0	0

Mol-Fe:C(FCC)	Mol-Si:C(FCC)	Mol-Fe:Va(FCC)	Mol-Si:Va(FCC)	Mol-Fe:C(BCC)	Mol-Si:C(BCC)
0	0	0	0	0	0
0	0	0	0	7.0639231	1.70867E-10
0	0	0	0	14.127846	3.41734E-10
0	0	0	0	21.191769	5.12602E-10
0	0	0	0	28.255692	6.83469E-10
0	0	0	0	35.319615	8.54336E-10
0	0	0	0	42.383538	1.0252E-09
0	0	0	0	49.447461	1.19607E-09
0	0	0	0	56.511384	1.36694E-09
0	0	0	0	63.575307	1.53781E-09
0	0	0	0	70.63923	1.70867E-09
0	0	0	0	77.703154	1.87954E-09
0	0	0	0	85.580411	2.10397E-09
7221.4004	2.76017E-07	446244.43	1.70564E-05	65.255885	3.78251E-09
19625.135	1.61196E-06	785773.86	6.45415E-05	0	0
30887.534	6.32143E-06	774511.47	0.000158511	0	0
32445.051	7.38588E-06	772953.95	0.000175957	0	0
32445.051	7.38588E-06	772953.95	0.000175957	0	0
32445.051	7.38588E-06	772953.95	0.000175957	0	0
32445.051	7.38588E-06	772953.95	0.000175957	0	0
32445.051	7.38588E-06	772953.95	0.000175957	0	0
0	0	0	0	0	0
0	0	0	0	5.7395411	4.74048E-10
0	0	0	0	11.479082	9.48097E-10
0	0	0	0	17.218624	1.42215E-09
0	0	0	0	22.958165	1.89619E-09
0	0	0	0	28.697706	2.37024E-09
0	0	0	0	34.437247	2.84429E-09
0	0	0	0	40.176788	3.31834E-09
0	0	0	0	45.916329	3.79239E-09
0	0	0	0	51.655871	4.26644E-09
0	0	0	0	57.395412	4.74048E-09
0	0	0	0	63.134953	5.21453E-09
0	0	0	0	68.874494	5.68858E-09
7263.1855	8.41913E-07	798135.81	0.000092516	0	0
12487.908	3.71257E-06	792911.09	0.000235727	0	0
21505.64	1.82453E-05	783893.36	0.000665052	0	0
37694.299	0.000109085	767704.7	0.002221692	0	0
38263.813	0.000114716	767135.19	0.002299892	0	0
38263.813	0.000114716	767135.19	0.002299892	0	0
38263.813	0.000114716	767135.19	0.002299892	0	0
38263.813	0.000114716	767135.19	0.002299892	0	0
0	0	0	0	0	0
242.4538	4.40557E-08	64865.931	1.17866E-05	0	0
484.90759	8.81115E-08	129731.86	2.35733E-05	0	0
727.36139	1.32167E-07	194597.79	3.53599E-05	0	0

969.81518	1.76223E-07	259463.72	4.71466E-05	0	0
1212.269	2.20279E-07	324329.65	5.89332E-05	0	0
1454.7228	2.64334E-07	389195.58	7.07198E-05	0	0
1697.1766	3.0839E-07	454061.51	8.25065E-05	0	0
1939.6304	3.52446E-07	518927.44	9.42931E-05	0	0
2182.0842	3.96502E-07	583793.37	0.00010608	0	0
2424.538	4.40557E-07	648659.31	0.000117866	0	0
2666.9917	4.84613E-07	713525.24	0.000129653	0	0
2909.4455	5.28669E-07	778391.17	0.00014144	0	0
4367.9613	1.44393E-06	801031.04	0.000264799	0	0
7874.0626	7.13194E-06	797524.94	0.000722359	0	0
14744.824	4.3381E-05	790654.18	0.002326199	0	0
29632.484	0.00037806	775766.52	0.009897451	0	0
44346.145	0.001463934	761052.85	0.025123515	0	0
44346.145	0.001463934	761052.85	0.025123515	0	0
44346.145	0.001463934	761052.85	0.025123515	0	0
44346.145	0.001463934	761052.85	0.025123515	0	0
0	0	3430.6903	1.47552E-06	0	0
164.97674	6.94055E-08	67754.613	2.85043E-05	0	0
321.63461	1.35311E-07	132092.73	5.55712E-05	0	0
478.29247	2.01217E-07	196430.85	8.26382E-05	0	0
634.95033	2.67123E-07	260768.96	0.000109705	0	0
783.28931	3.98285E-07	321690.58	0.000163573	0	0
939.94717	4.77942E-07	386028.7	0.000196287	0	0
1171.0425	6.05969E-07	449351.27	0.000232522	0	0
1408.5585	8.77079E-07	508344.57	0.000316535	0	0
1582.4965	9.85386E-07	571118.29	0.000355623	0	0
1756.4345	1.09369E-06	633892.01	0.000394711	0	0
1930.3726	1.202E-06	696665.73	0.000433799	0	0
2104.3106	1.31031E-06	759439.45	0.000472886	0	0
2679.4525	2.24777E-06	802719.55	0.000673396	0	0
4989.743	1.20131E-05	800409.26	0.001927039	0	0
10024.678	8.75938E-05	795374.32	0.006949838	0	0
23405.815	0.001158627	781993.19	0.038709981	0	0
50638.543	0.015336023	754760.46	0.22858129	0	0
50638.543	0.015336023	754760.46	0.22858129	0	0
50638.543	0.015336023	754760.46	0.22858129	0	0
50638.543	0.015336023	754760.46	0.22858129	0	0
0	0	4140.9325	3.44793E-06	0	0
111.26464	9.12708E-08	67932.019	5.57249E-05	0	0
215.76555	1.76993E-07	131734.48	0.000108062	0	0
320.26646	2.62716E-07	195536.95	0.0001604	0	0
424.76738	3.48438E-07	259339.42	0.000212737	0	0
522.50457	6.84378E-07	319012.33	0.000417843	0	0
627.00548	8.21254E-07	382814.79	0.000501412	0	0
835.30592	1.08026E-06	441489.34	0.000570955	0	0
1099.9997	2.36206E-06	492900.66	0.001058422	0	0

1236.0508	2.65421E-06	553864.03	0.00118933	0	0
1372.1019	2.94636E-06	614827.39	0.001320239	0	0
1508.153	3.23851E-06	675790.75	0.001451147	0	0
1644.2041	3.53065E-06	736754.11	0.001582056	0	0
1780.2552	3.8228E-06	797717.47	0.001712964	0	0
3211.1286	1.84963E-05	802187.87	0.004620659	0	0
6811.4994	0.000155346	798587.5	0.018212889	0	0
18598.034	0.003188206	786800.97	0.13487897	0	0
51410.068	0.091735038	753988.93	1.3454019	0	0
57093.993	0.1336428	748305.01	1.7515954	0	0
57093.993	0.1336428	748305.01	1.7515954	0	0
57093.993	0.1336428	748305.01	1.7515954	0	0
0	0	5147.5598	7.78647E-06	0	0
77.678228	1.16285E-07	68419.675	0.000102425	0	0
149.52328	2.23837E-07	131701.43	0.000197158	0	0
221.36833	3.3139E-07	194983.19	0.000291891	0	0
293.21338	4.38942E-07	258264.95	0.000386624	0	0
359.22524	1.1278E-06	316408.8	0.000993376	0	0
450.02871	7.57986E-07	382706.23	0.000644594	0	0
612.76798	1.87095E-06	434202.53	0.001325737	0	0
846.124	5.11315E-06	481970.11	0.002912561	0	0
983.00052	6.66721E-06	539196.81	0.003657105	0	0
1091.3281	7.40194E-06	598616.79	0.004060121	0	0
1199.6556	8.13667E-06	658036.77	0.004463137	0	0
1307.9832	8.8714E-06	717456.75	0.004866154	0	0
1416.3107	9.60613E-06	776876.73	0.00526917	0	0
2111.3772	2.67548E-05	803287.62	0.010179024	0	0
4659.2241	0.000249258	800739.78	0.042837714	0	0
14875.034	0.007961612	790523.97	0.42311468	0	0
49329.204	0.39420261	756069.8	6.0419521	0	0
63669.506	0.98371139	741729.49	11.459925	0	0
63669.506	0.98371139	741729.49	11.459925	0	0
63669.506	0.98371139	741729.49	11.459925	0	0
0	0	6646.004	1.7193E-05	0	0
56.163394	1.44216E-07	69423.459	0.000178265	0	0
106.95721	2.74644E-07	132209.59	0.000339486	0	0
157.75102	4.05071E-07	194995.72	0.000500708	0	0
208.54483	5.35499E-07	257781.85	0.000661929	0	0
259.33865	6.65927E-07	320567.99	0.000823151	0	0
343.19241	1.34737E-06	375808.57	0.001475422	0	0
461.20743	3.16048E-06	427514.9	0.002929598	0	0
629.11158	8.25824E-06	475850.14	0.006246404	0	0
795.67661	1.57707E-05	526783.35	0.010441109	0	0
883.45088	1.75104E-05	584894.94	0.01159291	0	0
971.22515	1.92502E-05	643006.52	0.01274471	0	0
1058.9994	2.09899E-05	701118.1	0.013896511	0	0
1146.7737	2.27296E-05	759229.68	0.015048311	0	0

1422.1272	3.70228E-05	803976.87	0.020930251	0	0
3226.4575	0.000371135	802172.54	0.092272871	0	0
11977.328	0.018213134	793421.67	1.206504	0	0
47886.824	1.5715394	757512.18	24.85987	0	0
70314.15	6.2122259	735084.85	64.94444	0	0
70314.15	6.2122259	735084.85	64.94444	0	0
70314.15	6.2122259	735084.85	64.94444	0	0

Mol-FeO(liq)	Mol-SiO2(s)	Mol-SiO2(s2)	Mol-SiO2(s3)	Mol-SiO2(s4)	Mol-SiO2(s5)	Mol-SiO2(s6)
0	0	194601	0	0	0	0
0	0	194601	0	0	0	0
0	0	194601	0	0	0	0
0	0	194601	0	0	0	0
0	0	194601	0	0	0	0
0	0	194601	0	0	0	0
0	0	194601	0	0	0	0
0	0	194601	0	0	0	0
0	0	194601	0	0	0	0
0	0	194601	0	0	0	0
0	0	194601	0	0	0	0
0	0	194601	0	0	0	0
0	0	194601	0	0	0	0
0	0	194601	0	0	0	0
0	0	194601	0	0	0	0
0	0	194601	0	0	0	0
0	0	194601	0	0	0	0
0	0	194601	0	0	0	0
0	0	194601	0	0	0	0
0	0	194601	0	0	0	0
0	0	194601	0	0	0	0
0	0	194601	0	0	0	0
0	0	194601	0	0	0	0
0	0	194601	0	0	0	0
0	0	194601	0	0	0	0
0	0	194601	0	0	0	0
0	0	194601	0	0	0	0
0	0	194601	0	0	0	0
0	0	194601	0	0	0	0
0	0	194601	0	0	0	0
0	0	194601	0	0	0	0
0	0	194601	0	0	0	0
0	0	194601	0	0	0	0
0	0	194601	0	0	0	0
0	0	194601	0	0	0	0
0	0	194601	0	0	0	0
0	0	194601	0	0	0	0
0	0	194601	0	0	0	0
0	0	194601	0	0	0	0
0	0	194601	0	0	0	0
0	0	194601	0	0	0	0
0	0	194601	0	0	0	0
0	0	0	0	194601	0	0
0	0	0	0	194601	0	0
0	0	0	0	194601	0	0
0	0	0	0	194601	0	0

0	0	0	0	46418.624	0	0
0	0	0	0	82590.797	0	0
0	0	0	0	118762.97	0	0
0	0	0	0	154935.14	0	0
0	0	0	0	191107.32	0	0
0	0	0	0	194601	0	0
0	0	0	0	194600.98	0	0
0	0	0	0	194600.86	0	0
0	0	0	0	194599.56	0	0
0	0	0	0	194599.11	0	0
0	0	0	0	194599.11	0	0
0	0	0	0	194599.11	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	194601	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	30850.982	0	0
0	0	0	0	67604.586	0	0
0	0	0	0	104358.19	0	0
0	0	0	0	141111.79	0	0
0	0	0	0	177865.4	0	0
0	0	0	0	194600.99	0	0
0	0	0	0	194600.96	0	0
0	0	0	0	194600.57	0	0
0	0	0	0	194594.56	0	0
0	0	0	0	194588.56	0	0
0	0	0	0	194588.56	0	0
0	0	0	0	194588.56	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	15552.738	0	0
0	0	0	0	53060.814	0	0
0	0	0	0	90568.89	0	0
0	0	0	0	128076.97	0	0
0	0	0	0	165585.04	0	0

0	0	0	0	194600.98	0	0
0	0	0	0	194600.91	0	0
0	0	0	0	194599.78	0	0
0	0	0	0	194574.57	0	0
0	0	0	0	194529.84	0	0
0	0	0	0	194529.84	0	0
0	0	0	0	194529.84	0	0

Mol-Fe(s)	Mol-Fe(s2)	Mol-Fe2O3(s)	Mol-Fe3O4(s)	Mol-Fe3O4(s2)	Mol-FeO(s)	g-CO(g)
0	0	0	0	0	805399	0
0	0	0	0	0	738190.36	917311.98
0	0	0	0	0	670981.72	1834624
0	0	0	0	0	603773.08	2751936
0	0	0	0	0	536564.44	3669247.9
0	0	0	0	0	469355.81	4586559.9
0	0	0	0	0	402147.17	5503871.9
0	0	0	0	0	334938.53	6421183.9
0	0	0	0	0	267729.89	7338495.9
0	0	0	0	0	200521.25	8255807.9
0	0	0	0	0	133312.61	9173119.8
0	0	0	0	0	66103.971	10090432
0	0	0	0	0	0	11038549
0	0	0	0	0	0	13438457
0	0	0	0	0	0	15555596
0	0	0	0	0	0	17725708
0	0	0	0	0	0	17947133
0	0	0	0	0	0	17947133
0	0	0	0	0	0	17947133
0	0	0	0	0	0	17947133
0	0	0	0	0	0	17947133
0	0	0	0	0	805399	0
0	0	0	0	0	739167.1	944893.47
0	0	0	0	0	672935.2	1889786.9
0	0	0	0	0	606703.31	2834680.4
0	0	0	0	0	540471.41	3779573.9
0	0	0	0	0	474239.51	4724467.4
0	0	0	0	0	408007.61	5669360.8
0	0	0	0	0	341775.72	6614254.3
0	0	0	0	0	275543.82	7559147.8
0	0	0	0	0	209311.92	8504041.3
0	0	0	0	0	143080.02	9448934.7
0	0	0	0	0	76848.124	10393828
0	0	0	0	0	10616.226	11338722
0	0	0	0	0	0	13447083
0	0	0	0	0	0	15955430
0	0	0	0	0	0	18251289
0	0	0	0	0	0	20145427
0	0	0	0	0	0	20187941
0	0	0	0	0	0	20187941
0	0	0	0	0	0	20187941
0	0	0	0	0	0	20187941
0	0	0	0	0	805399	0
0	0	0	0	0	740290.62	963745.68
0	0	0	0	0	675182.23	1927491.4
0	0	0	0	0	610073.85	2891237

0	0	0	0	0	544965.46	3854982.7
0	0	0	0	0	479857.08	4818728.4
0	0	0	0	0	414748.69	5782474.1
0	0	0	0	0	349640.31	6746219.8
0	0	0	0	0	284531.93	7709965.5
0	0	0	0	0	219423.54	8673711.1
0	0	0	0	0	154315.16	9637456.8
0	0	0	0	0	89206.773	10601203
0	0	0	0	0	24098.388	11564948
0	0	0	0	0	0	13609276
0	0	0	0	0	0	16213901
0	0	0	0	0	0	18630035
0	0	0	0	0	0	20597056
0	0	0	0	0	0	21365172
0	0	0	0	0	0	21365172
0	0	0	0	0	0	21365172
0	0	0	0	0	0	21365172
0	0	0	0	0	432690.64	0
0	0	0	0	0	368184.61	985574.99
0	0	0	0	0	303689.84	1971314.5
0	0	0	0	0	239195.06	2957054
0	0	0	0	0	174700.29	3942793.5
0	0	0	0	0	482925.13	4928697.6
0	0	0	0	0	418430.36	5914437.1
0	0	0	0	0	0	7006238.4
0	0	0	0	0	0	8115197.2
0	0	0	0	0	0	9129640.2
0	0	0	0	0	0	10144083
0	0	0	0	0	0	11158526
0	0	0	0	0	0	12172969
0	0	0	0	0	0	13703867
0	0	0	0	0	0	16375483
0	0	0	0	0	0	18894461
0	0	0	0	0	0	20945878
0	0	0	0	0	0	21946106
0	0	0	0	0	0	21946106
0	0	0	0	0	0	21946106
0	0	0	0	0	0	21946106
0	0	0	0	0	402662.46	0
0	0	0	0	0	338744.04	1004989.9
0	0	0	0	0	274837.07	2010116
0	0	0	0	0	210930.11	3015242.1
0	0	0	0	0	147023.14	4020368.2
0	0	0	0	0	485864.17	5025630.5
0	0	0	0	0	421957.2	6030756.6
0	0	0	0	0	0	7254995.2
0	0	0	0	0	0	8566437.2

0	0	0	0	0	0	9637273
0	0	0	0	0	0	10708109
0	0	0	0	0	0	11778945
0	0	0	0	0	0	12849780
0	0	0	0	0	0	13920616
0	0	0	0	0	0	16475122
0	0	0	0	0	0	19074466
0	0	0	0	0	0	21215208
0	0	0	0	0	0	22178014
0	0	0	0	0	0	22232818
0	0	0	0	0	0	22232818
0	0	0	0	0	0	22232818
0	0	0	0	0	366059.86	0
0	0	0	0	0	302693.8	1022335.9
0	0	0	0	0	239340.2	2044791.3
0	0	0	0	0	175986.6	3067246.7
0	0	0	0	0	112632.99	4089702.1
0	0	0	0	0	488630.98	5112277
0	0	0	0	0	0	6180142.6
0	0	0	0	0	0	7477985
0	0	0	0	0	0	8889802.1
0	0	0	0	0	0	10064770
0	0	0	0	0	0	11183098
0	0	0	0	0	0	12301426
0	0	0	0	0	0	13419754
0	0	0	0	0	0	14538082
0	0	0	0	0	0	16536731
0	0	0	0	0	0	19195036
0	0	0	0	0	0	21423757
0	0	0	0	0	0	22294288
0	0	0	0	0	0	22378770
0	0	0	0	0	0	22378770
0	0	0	0	0	0	22378770
0	0	0	0	0	318578.02	0
0	0	0	0	0	255726.37	1037995.5
0	0	0	0	0	192889.44	2076102.6
0	0	0	0	0	130052.52	3114209.7
0	0	0	0	0	67215.595	4152316.8
0	0	0	0	0	4378.6702	5190423.9
0	0	0	0	0	0	6380837.4
0	0	0	0	0	0	7678031.7
0	0	0	0	0	0	9079653.3
0	0	0	0	0	0	10423893
0	0	0	0	0	0	11582118
0	0	0	0	0	0	12740343
0	0	0	0	0	0	13898568
0	0	0	0	0	0	15056793

0	0	0	0	0	0	16575342
0	0	0	0	0	0	19275298
0	0	0	0	0	0	21586043
0	0	0	0	0	0	22373906
0	0	0	0	0	0	22458567
0	0	0	0	0	0	22458567
0	0	0	0	0	0	22458567

g-CO2(g)	g-FeO(SLAG)	g-SiO2(SLAG)	g-Fe:C(FCC)	g-Si:C(FCC)	g-Fe:Va(FCC)	g-Si:Va(FCC)
0	0	0	0	0	0	0
758281.4	0	0	0	0	0	0
1516562.8	0	0	0	0	0	0
2274844.2	0	0	0	0	0	0
3033125.6	0	0	0	0	0	0
3791407	0	0	0	0	0	0
4549688.4	0	0	0	0	0	0
5307969.8	0	0	0	0	0	0
6066251.2	0	0	0	0	0	0
6824532.6	0	0	0	0	0	0
7582814	0	0	0	0	0	0
8341095.4	0	0	0	0	0	0
9050868	0	0	0	0	0	0
7165507	0	0	490029.8	1.10673E-05	24921413	0.000479037
5502287.2	0	0	1331722.5	6.4634E-05	43883113	0.001812682
3797453.1	0	0	2095966.3	0.000253467	43254142	0.004451864
3623502.3	0	0	2201656.3	0.000296148	43167159	0.004941852
3623502.3	0	0	2201656.3	0.000296148	43167159	0.004941852
3623502.3	0	0	2201656.3	0.000296148	43167159	0.004941852
3623502.3	0	0	2201656.3	0.000296148	43167159	0.004941852
3623502.3	0	0	2201656.3	0.000296148	43167159	0.004941852
0	0	0	0	0	0	0
715120.36	0	0	0	0	0	0
1430240.7	0	0	0	0	0	0
2145361.1	0	0	0	0	0	0
2860481.5	0	0	0	0	0	0
3575601.8	0	0	0	0	0	0
4290722.2	0	0	0	0	0	0
5005842.6	0	0	0	0	0	0
5720962.9	0	0	0	0	0	0
6436083.3	0	0	0	0	0	0
7151203.6	0	0	0	0	0	0
7866324	0	0	0	0	0	0
8581444.4	0	0	0	0	0	0
7158730.3	0	0	492865.26	3.37578E-05	44573491	0.002598358
5188179.3	0	0	847404.5	0.000148861	44281706	0.006620515
3384557.9	0	0	1459329.7	0.000731572	43778093	0.018678309
1896527.7	0	0	2557859.8	0.00437393	42874005	0.062397334
1863129	0	0	2596505.9	0.004599708	42842199	0.064593615
1863129	0	0	2596505.9	0.004599708	42842199	0.064593615
1863129	0	0	2596505.9	0.004599708	42842199	0.064593615
1863129	0	0	2596505.9	0.004599708	42842199	0.064593615
0	0	0	0	0	0	0
675587.31	0	0	16452.43	1.76648E-06	3622567.6	0.000331034
1351174.6	0	0	32904.86	3.53296E-06	7245135.3	0.000662067
2026761.9	0	0	49357.29	5.29944E-06	10867703	0.000993101

2702349.3	0	0	65809.72	7.06592E-06	14490271	0.001324135
3377936.6	0	0	82262.15	8.8324E-06	18112838	0.001655169
4053523.9	0	0	98714.58	1.05989E-05	21735406	0.001986202
4729111.2	0	0	115167.01	1.23654E-05	25357973	0.002317236
5404698.5	0	0	131619.44	1.41318E-05	28980541	0.00264827
6080285.8	0	0	148071.87	1.58983E-05	32603109	0.002979304
6755873.1	0	0	164524.3	1.76648E-05	36225676	0.003310337
7431460.5	0	0	180976.73	1.94313E-05	39848244	0.003641371
8107047.8	0	0	197429.16	2.11978E-05	43470812	0.003972405
7031312	0	0	296401.13	5.78965E-05	44735181	0.007437012
4985124.9	0	0	534318.15	0.000285966	44539375	0.020287827
3087015.9	0	0	1000554.3	0.001739428	44155664	0.065332462
1541729.5	0	0	2010801.2	0.015158871	43324233	0.27797487
938300.8	0	0	3009240.8	0.058698625	42502519	0.7056065
938300.8	0	0	3009240.8	0.058698625	42502519	0.7056065
938300.8	0	0	3009240.8	0.058698625	42502519	0.7056065
938300.8	0	0	3009240.8	0.058698625	42502519	0.70560651
0	26038305	11692465	0	0	191593.76	4.14407E-05
644698.97	26038833	11692465	11194.992	2.78292E-06	3783891.9	0.000800557
1289505.5	26038833	11692465	21825.482	5.42551E-06	7376982.7	0.001560746
1934312.1	26038833	11692465	32455.971	8.0681E-06	10970073	0.002320935
2579118.7	26038833	11692465	43086.461	1.07107E-05	14563164	0.003081124
3224032.9	0	0	53152.447	1.59698E-05	17965454	0.004594017
3868839.5	0	0	63782.937	1.91638E-05	21558545	0.00551282
4343726.3	25066355	11692465	79464.607	2.42972E-05	25094920	0.006530487
4791372.9	20911877	10089377	95581.962	3.51678E-05	28389519	0.008890045
5390320.1	16459409	7941189.6	107385.05	3.95105E-05	31895243	0.009987846
5989267.3	12006942	5793002.6	119188.14	4.38533E-05	35400967	0.011085647
6588214.6	7554474.2	3644815.6	130991.22	4.8196E-05	38906691	0.012183448
7187161.8	3102006.7	1496628.6	142794.31	5.25388E-05	42412415	0.013281249
6957001.1	0	0	181822.29	9.01279E-05	44829479	0.018912666
4858186.7	0	0	338593.99	0.000481685	44700456	0.054121861
2879283.6	0	0	680254.61	0.003512206	44419270	0.19518968
1267697.7	0	0	1588271.8	0.046456899	43671974	1.0871892
481930.17	0	0	3436230.3	0.61492085	42151107	6.4198201
481930.17	0	0	3436230.3	0.61492085	42151107	6.4198201
481930.17	0	0	3436230.3	0.61492085	42151107	6.4198201
481930.17	0	0	3436230.3	0.61492085	42151107	6.4198201
0	28042636	11692465	0	0	231258.66	9.68367E-05
616558.29	28043209	11692465	7550.1958	3.65964E-06	3793799.5	0.001565062
1233200.2	28043209	11692465	14641.419	7.09681E-06	7356975.8	0.003034985
1849842	28043209	11692465	21732.642	1.0534E-05	10920152	0.004504908
2466483.9	28043209	11692465	28823.865	1.39712E-05	14483328	0.005974831
3083209.4	0	0	35456.116	2.74412E-05	17815881	0.011735337
3699851.3	0	0	42547.339	3.29294E-05	21379058	0.014082405
3967656.5	25653641	11692465	56682.19	4.33146E-05	24655855	0.016035566
4095966.4	22080973	11076814	74643.782	9.47105E-05	27527023	0.029726297

4607977.1	17748469	8903434.4	83875.938	0.000106425	30931644	0.03340293
5119987.8	13415965	6730054.7	93108.094	0.000118139	34336265	0.037079564
5631998.4	9083461.5	4556674.9	102340.25	0.000129853	37740886	0.040756197
6144009.1	4750957.7	2383295.1	111572.41	0.000141567	41145507	0.04443283
6656019.8	418453.86	209915.37	120804.56	0.000153281	44550128	0.048109464
4779910.4	0	0	217900.77	0.000741638	44799786	0.12977353
2737873.3	0	0	462214.73	0.006228816	44598716	0.5115181
1056117	0	0	1262025.4	0.12783591	43940474	3.7881434
299796.25	0	0	3488584.5	3.678254	42108020	37.786286
256761.85	0	0	3874284.3	5.3586086	41790590	49.194434
256761.85	0	0	3874284.3	5.3586086	41790590	49.194434
256761.85	0	0	3874284.3	5.3586086	41790590	49.194434
0	30455434	11692465	0	0	287475.77	0.000218687
590782.33	30456086	11692465	5271.0893	4.66261E-06	3821033.6	0.002876649
1181633.7	30456086	11692465	10146.351	8.97509E-06	7355130	0.005537279
1772485.1	30456086	11692465	15021.612	1.32876E-05	10889226	0.008197908
2363336.4	30456086	11692465	19896.874	1.76001E-05	14423323	0.010858538
2954256.8	0	0	24376.307	4.52208E-05	17670482	0.027899451
3472925.5	29662164	11692465	30538.049	3.03926E-05	21372995	0.018103747
3627090	26192221	11692465	41581.211	7.50184E-05	24248909	0.037233999
3599070.1	22905760	11692465	57416.284	0.00020502	26916585	0.081800728
3947432.4	18844041	9838805.2	66704.451	0.000267332	30112525	0.10271162
4386043.8	14614506	7630490.5	74055.342	0.000296792	33430952	0.11403053
4824655.3	10384971	5422175.9	81406.233	0.000326252	36749380	0.12534945
5263266.8	6155435.7	3213861.3	88757.124	0.000355712	40067807	0.13666836
5701878.2	1925900.7	1005546.6	96108.015	0.000385172	43386235	0.14798727
4731511.1	0	0	143273.84	0.001072772	44861204	0.28588298
2643154.2	0	0	316165.64	0.009994359	44718914	1.2031186
892294.48	0	0	1009390.1	0.31923279	44148392	11.883388
208671.19	0	0	3347381.2	15.806145	42224230	169.69125
142567.16	0	0	4320485.5	39.443384	41423367	321.85772
142567.16	0	0	4320485.5	39.443384	41423367	321.85772
142567.16	0	0	4320485.5	39.443384	41423367	321.85772
0	33543859	11692465	0	0	371159.38	0.000482874
567124.98	33544659	11692465	3811.1357	5.78255E-06	3877091.9	0.005006657
1134310.9	33544659	11692465	7257.9023	1.10122E-05	7383509	0.009534645
1701496.9	33544659	11692465	10704.669	1.62419E-05	10889926	0.014062633
2268682.8	33544659	11692465	14151.436	2.14716E-05	14396343	0.018590621
2835868.8	33544659	11692465	17598.202	2.67013E-05	17902760	0.023118609
3162296.7	30173050	11692465	23288.351	5.40249E-05	20987781	0.041437961
3319447.8	26683656	11692465	31296.614	0.000126724	23875424	0.082279225
3310327.5	23360060	11692465	42690.255	0.000331127	26574803	0.17543337
3391425.1	19771544	10757989	53993.025	0.00063235	29419270	0.29324378
3768254.9	15629685	8504342.4	59949.211	0.000702107	32664628	0.32559268
4145084.7	11487826	6250695.8	65905.398	0.000771864	35909985	0.35794157
4521914.5	7345967.5	3997049.3	71861.585	0.000841621	39155342	0.39029047
4898744.3	3204108.5	1743402.7	77817.771	0.000911379	42400700	0.42263936

4701178.3	0	0	96502.709	0.001484485	44899697	0.58783657
2580102.8	0	0	218940.96	0.014881224	44798930	2.5915298
764837.34	0	0	812757.57	0.73028292	44310220	33.88527
147004.08	0	0	3249504.2	63.013229	42304783	698.20189
82462.653	0	0	4771377.7	249.08852	41052284	1823.9971
82462.653	0	0	4771377.7	249.08852	41052284	1823.9971
82462.653	0	0	4771377.7	249.08852	41052284	1823.9971

g-FeO(liq)	g-SiO2(s)	g-SiO2(s2)	g-SiO2(s3)	g-SiO2(s4)	g-SiO2(s5)	g-SiO2(s6)	g-Fe(s)	g-Fe(s2)
0	0	11692465	0	0	0	0	0	0
0	0	11692465	0	0	0	0	0	0
0	0	11692465	0	0	0	0	0	0
0	0	11692465	0	0	0	0	0	0
0	0	11692465	0	0	0	0	0	0
0	0	11692465	0	0	0	0	0	0
0	0	11692465	0	0	0	0	0	0
0	0	11692465	0	0	0	0	0	0
0	0	11692465	0	0	0	0	0	0
0	0	11692465	0	0	0	0	0	0
0	0	11692465	0	0	0	0	0	0
0	0	11692465	0	0	0	0	0	0
0	0	11692465	0	0	0	0	0	0
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0	0	11692465	0	0	0	0	0	0
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0	0	11692465	0	0	0	0	0	0
0	0	11692465	0	0	0	0	0	0
0	0	11692465	0	0	0	0	0	0
0	0	11692465	0	0	0	0	0	0
0	0	11692465	0	0	0	0	0	0
0	0	11692465	0	0	0	0	0	0
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0	0	11692465	0	0	0	0	0	0
0	0	11692465	0	0	0	0	0	0
0	0	11692465	0	0	0	0	0	0
0	0	11692465	0	0	0	0	0	0
0	0	11692465	0	0	0	0	0	0
0	0	11692465	0	0	0	0	0	0
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0	0	11692465	0	0	0	0	0	0
0	0	11692465	0	0	0	0	0	0
0	0	11692465	0	0	0	0	0	0
0	0	11692465	0	0	0	0	0	0
0	0	11692465	0	0	0	0	0	0
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0	0	0	0	11692465	0	0	0	0
0	0	0	0	11692465	0	0	0	0
0	0	0	0	11692465	0	0	0	0

0	0	0	0	11692465	0	0	0	0
0	0	0	0	11692465	0	0	0	0
0	0	0	0	11692465	0	0	0	0
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0	0	0	0	11692465	0	0	0	0
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0	0	0	0	11692465	0	0	0	0
0	0	0	0	11692465	0	0	0	0
0	0	0	0	11692463	0	0	0	0
0	0	0	0	11692463	0	0	0	0
0	0	0	0	11692463	0	0	0	0
0	0	0	0	11692463	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	11692465	0	0	0	0
0	0	0	0	11692465	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	1603088.4	0	0	0	0
0	0	0	0	3751275.5	0	0	0	0
0	0	0	0	5899462.4	0	0	0	0
0	0	0	0	8047649.4	0	0	0	0
0	0	0	0	10195836	0	0	0	0
0	0	0	0	11692465	0	0	0	0
0	0	0	0	11692465	0	0	0	0
0	0	0	0	11692465	0	0	0	0
0	0	0	0	11692463	0	0	0	0
0	0	0	0	11692450	0	0	0	0
0	0	0	0	11692450	0	0	0	0
0	0	0	0	11692450	0	0	0	0
0	0	0	0	11692450	0	0	0	0
0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	11692465	0	0	0	0
0	0	0	0	11692465	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	615650.78	0	0	0	0

0	0	0	0	2789030.5	0	0	0	0
0	0	0	0	4962410.3	0	0	0	0
0	0	0	0	7135790.1	0	0	0	0
0	0	0	0	9309169.8	0	0	0	0
0	0	0	0	11482550	0	0	0	0
0	0	0	0	11692465	0	0	0	0
0	0	0	0	11692464	0	0	0	0
0	0	0	0	11692457	0	0	0	0
0	0	0	0	11692379	0	0	0	0
0	0	0	0	11692352	0	0	0	0
0	0	0	0	11692352	0	0	0	0
0	0	0	0	11692352	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	11692465	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	1853659.7	0	0	0	0
0	0	0	0	4061974.3	0	0	0	0
0	0	0	0	6270288.9	0	0	0	0
0	0	0	0	8478603.5	0	0	0	0
0	0	0	0	10686918	0	0	0	0
0	0	0	0	11692464	0	0	0	0
0	0	0	0	11692462	0	0	0	0
0	0	0	0	11692439	0	0	0	0
0	0	0	0	11692078	0	0	0	0
0	0	0	0	11691717	0	0	0	0
0	0	0	0	11691717	0	0	0	0
0	0	0	0	11691717	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	934475.4	0	0	0	0
0	0	0	0	3188121.9	0	0	0	0
0	0	0	0	5441768.4	0	0	0	0
0	0	0	0	7695414.9	0	0	0	0
0	0	0	0	9949061.5	0	0	0	0

0	0	0	0	11692464	0	0	0	0
0	0	0	0	11692459	0	0	0	0
0	0	0	0	11692391	0	0	0	0
0	0	0	0	11690877	0	0	0	0
0	0	0	0	11688190	0	0	0	0
0	0	0	0	11688190	0	0	0	0
0	0	0	0	11688190	0	0	0	0

g-Fe2O3(s)	g-Fe3O4(s)	g-Fe3O4(s2)	g-FeO(s)	a-CO(g)	a-CO2(g)	a-FeO(SLAG)	a-SiO2(SLAG)
0	0	0	57865017	1E-75	1E-75	0.29702066	0.59572583
0	0	0	53036318	0.65525727	0.34474273	0.29702066	0.59572583
0	0	0	48207619	0.65525727	0.34474273	0.29702066	0.59572583
0	0	0	43378921	0.65525727	0.34474273	0.29702066	0.59572583
0	0	0	38550222	0.65525727	0.34474273	0.29702066	0.59572583
0	0	0	33721524	0.65525727	0.34474273	0.29702066	0.59572583
0	0	0	28892825	0.65525727	0.34474273	0.29702066	0.59572583
0	0	0	24064127	0.65525727	0.34474273	0.29702066	0.59572583
0	0	0	19235428	0.65525727	0.34474273	0.29702066	0.59572583
0	0	0	14406729	0.65525727	0.34474273	0.29702066	0.59572583
0	0	0	9578030.8	0.65525727	0.34474273	0.29702066	0.59572583
0	0	0	4749332.2	0.65525727	0.34474273	0.29702066	0.59572583
0	0	0	0	0.6570937	0.3429063	0.29461174	0.59572583
0	0	0	0	0.74662229	0.25337771	0.19154286	0.59572583
0	0	0	0	0.81624228	0.18375772	0.12580829	0.59572583
0	0	0	0	0.88000968	0.11999032	0.074849996	0.59572583
0	0	0	0	0.88613197	0.11386803	0.070356716	0.59572583
0	0	0	0	0.88613197	0.11386803	0.070356716	0.59572583
0	0	0	0	0.88613197	0.11386803	0.070356716	0.59572583
0	0	0	0	0.88613197	0.11386803	0.070356716	0.59572583
0	0	0	0	0.88613197	0.11386803	0.070356716	0.59572583
0	0	0	57865017	1E-75	1E-75	0.34703022	0.63226118
0	0	0	53106493	0.67490572	0.32509428	0.34703022	0.63226118
0	0	0	48347970	0.67490572	0.32509428	0.34703022	0.63226118
0	0	0	43589447	0.67490572	0.32509428	0.34703022	0.63226118
0	0	0	38830924	0.67490572	0.32509428	0.34703022	0.63226118
0	0	0	34072400	0.67490572	0.32509428	0.34703022	0.63226118
0	0	0	29313877	0.67490572	0.32509428	0.34703022	0.63226118
0	0	0	24555354	0.67490572	0.32509428	0.34703022	0.63226118
0	0	0	19796831	0.67490572	0.32509428	0.34703022	0.63226118
0	0	0	15038307	0.67490572	0.32509428	0.34703022	0.63226118
0	0	0	10279784	0.67490572	0.32509428	0.34703022	0.63226118
0	0	0	5521260.9	0.67490572	0.32509428	0.34703022	0.63226118
0	0	0	762737.6	0.67490572	0.32509428	0.34703022	0.63226118
0	0	0	0	0.74692256	0.25307744	0.24362812	0.63226118
0	0	0	0	0.82853115	0.17146885	0.14774648	0.63226118
0	0	0	0	0.89443344	0.10556656	0.083155232	0.63226118
0	0	0	0	0.94346979	0.056530214	0.041116757	0.63226118
0	0	0	0	0.94452054	0.055479462	0.040267737	0.63226118
0	0	0	0	0.94452054	0.055479462	0.040267737	0.63226118
0	0	0	0	0.94452054	0.055479462	0.040267737	0.63226118
0	0	0	0	0.94452054	0.055479462	0.040267737	0.63226118
0	0	0	57865017	1E-75	1E-75	0.40011728	0.66353388
0	0	0	53187214	0.69148724	0.30851276	0.40011728	0.66353388
0	0	0	48509411	0.69148724	0.30851276	0.40011728	0.66353388
0	0	0	43831608	0.69148724	0.30851276	0.40011728	0.66353388

0	0	0	39153805	0.69148724	0.30851276	0.40011728	0.66353388
0	0	0	34476002	0.69148724	0.30851276	0.40011728	0.66353388
0	0	0	29798200	0.69148724	0.30851276	0.40011728	0.66353388
0	0	0	25120397	0.69148724	0.30851276	0.40011728	0.66353388
0	0	0	20442594	0.69148724	0.30851276	0.40011728	0.66353388
0	0	0	15764791	0.69148724	0.30851276	0.40011728	0.66353388
0	0	0	11086988	0.69148724	0.30851276	0.40011728	0.66353388
0	0	0	6409185.2	0.69148724	0.30851276	0.40011728	0.66353388
0	0	0	1731382.4	0.69148724	0.30851276	0.40011728	0.66353388
0	0	0	0	0.75254177	0.24745823	0.29437719	0.66353388
0	0	0	0	0.83634039	0.16365961	0.17437495	0.66353388
0	0	0	0	0.90459934	0.09540066	0.093087897	0.66353388
0	0	0	0	0.95452624	0.045473757	0.0411096	0.66353388
0	0	0	0	0.97280851	0.027191489	0.023521733	0.66353388
0	0	0	0	0.97280851	0.027191489	0.023521733	0.66353388
0	0	0	0	0.97280851	0.027191489	0.023521733	0.66353388
0	0	0	0	0.97280851	0.027191489	0.023521733	0.66353388
0	0	0	31087264	1E-75	1E-75	0.45598773	0.5720836
0	0	0	26452738	0.70605037	0.29394963	0.45598773	0.57205885
0	0	0	21819021	0.70605037	0.29394963	0.45598773	0.57205885
0	0	0	17185304	0.70605037	0.29394963	0.45598773	0.57205885
0	0	0	12551586	0.70605037	0.29394963	0.45598773	0.57205885
0	0	0	34696431	0.70605037	0.29394963	0.45598773	0.69141966
0	0	0	30062714	0.70605037	0.29394963	0.45598773	0.69141966
0	0	0	0	0.71705598	0.28294402	0.4321037	0.63283145
0	0	0	0	0.7268617	0.2731383	0.41143256	0.69141966
0	0	0	0	0.7268617	0.2731383	0.41143256	0.69141966
0	0	0	0	0.7268617	0.2731383	0.41143256	0.69141966
0	0	0	0	0.7268617	0.2731383	0.41143256	0.69141966
0	0	0	0	0.7268617	0.2731383	0.41143256	0.69141966
0	0	0	0	0.75579571	0.24420429	0.35356241	0.69141966
0	0	0	0	0.84116961	0.15883039	0.20600371	0.69141966
0	0	0	0	0.91158666	0.088413343	0.10510704	0.69141966
0	0	0	0	0.96290869	0.03709131	0.040945798	0.69141966
0	0	0	0	0.98621621	0.013783792	0.014188038	0.69141966
0	0	0	0	0.98621621	0.013783792	0.014188038	0.69141966
0	0	0	0	0.98621621	0.013783792	0.014188038	0.69141966
0	0	0	0	0.98621621	0.013783792	0.014188038	0.69141966
0	0	0	28929847	1E-75	1E-75	0.51435186	0.44972779
0	0	0	24337539	0.71918374	0.28081626	0.51435186	0.44971203
0	0	0	19746054	0.71918374	0.28081626	0.51435186	0.44971203
0	0	0	15154568	0.71918374	0.28081626	0.51435186	0.44971203
0	0	0	10563083	0.71918374	0.28081626	0.51435186	0.44971203
0	0	0	34907590	0.71918374	0.28081626	0.51435186	0.71806796
0	0	0	30316105	0.71918374	0.28081626	0.51435186	0.71806796
0	0	0	0	0.74180112	0.25819888	0.45838811	0.5644034
0	0	0	0	0.76668484	0.23331516	0.4006299	0.71806796

0	0	0	0	0.76668484	0.23331516	0.4006299	0.71806796
0	0	0	0	0.76668484	0.23331516	0.4006299	0.71806796
0	0	0	0	0.76668484	0.23331516	0.4006299	0.71806796
0	0	0	0	0.76668484	0.23331516	0.4006299	0.71806796
0	0	0	0	0.76668484	0.23331516	0.4006299	0.71806796
0	0	0	0	0.84412762	0.15587238	0.24265872	0.71806796
0	0	0	0	0.91629239	0.083707614	0.1194904	0.71806796
0	0	0	0	0.96928941	0.030710587	0.040768276	0.71806796
0	0	0	0	0.99146992	0.008530079	0.010486316	0.71806796
0	0	0	0	0.99270332	0.007296681	0.008863724	0.71806796
0	0	0	0	0.99270332	0.007296681	0.008863724	0.71806796
0	0	0	0	0.99270332	0.007296681	0.008863724	0.71806796
0	0	0	26300082	1E-75	1E-75	0.57492903	0.35455122
0	0	0	21747459	0.73110463	0.26889537	0.57492903	0.35454054
0	0	0	17195731	0.73110463	0.26889537	0.57492903	0.35454054
0	0	0	12644003	0.73110463	0.26889537	0.57492903	0.35454054
0	0	0	8092274.7	0.73110463	0.26889537	0.57492903	0.35454054
0	0	0	35106375	0.73110463	0.26889537	0.57492903	0.74354482
0	0	0	0	0.73656299	0.26343701	0.55906153	0.37732409
0	0	0	0	0.76411414	0.23588586	0.48242908	0.51043297
0	0	0	0	0.79511953	0.20488047	0.40253827	0.70556776
0	0	0	0	0.80024276	0.19975724	0.38993317	0.74354482
0	0	0	0	0.80024276	0.19975724	0.38993317	0.74354482
0	0	0	0	0.80024276	0.19975724	0.38993317	0.74354482
0	0	0	0	0.80024276	0.19975724	0.38993317	0.74354482
0	0	0	0	0.80024276	0.19975724	0.38993317	0.74354482
0	0	0	0	0.80024276	0.19975724	0.38993317	0.74354482
0	0	0	0	0.84594906	0.15405094	0.28423379	0.74354482
0	0	0	0	0.91942168	0.080578324	0.13634618	0.74354482
0	0	0	0	0.97417621	0.025823793	0.040674696	0.74354482
0	0	0	0	0.99407812	0.005921876	0.008648784	0.74354482
0	0	0	0	0.99596173	0.004038275	0.005729654	0.74354482
0	0	0	0	0.99596173	0.004038275	0.005729654	0.74354482
0	0	0	0	0.99596173	0.004038275	0.005729654	0.74354482
0	0	0	22888683	1E-75	1E-75	0.63745096	0.27916258
0	0	0	18373018	0.7419835	0.2580165	0.63745096	0.27915485
0	0	0	13858412	0.7419835	0.2580165	0.63745096	0.27915485
0	0	0	9343805	0.7419835	0.2580165	0.63745096	0.27915485
0	0	0	4829198.4	0.7419835	0.2580165	0.63745096	0.27915485
0	0	0	314591.68	0.7419835	0.2580165	0.63745096	0.27915485
0	0	0	0	0.7602111	0.2397889	0.57815323	0.35143267
0	0	0	0	0.78421509	0.21578491	0.50426831	0.4673532
0	0	0	0	0.81165887	0.18834113	0.42514898	0.63778464
0	0	0	0	0.82845072	0.17154928	0.37932315	0.76791571
0	0	0	0	0.82845072	0.17154928	0.37932315	0.76791571
0	0	0	0	0.82845072	0.17154928	0.37932315	0.76791571
0	0	0	0	0.82845072	0.17154928	0.37932315	0.76791571
0	0	0	0	0.82845072	0.17154928	0.37932315	0.76791571

0	0	0	0	0.84708767	0.15291233	0.33058877	0.76791571
0	0	0	0	0.92149475	0.078505249	0.15566355	0.76791571
0	0	0	0	0.97794632	0.022053676	0.040729786	0.76791571
0	0	0	0	0.99583567	0.004164331	0.00713836	0.76791571
0	0	0	0	0.99766852	0.002331479	0.003822971	0.76791571
0	0	0	0	0.99766852	0.002331479	0.003822971	0.76791571
0	0	0	0	0.99766852	0.002331479	0.003822971	0.76791571

a-Fe:C(FCC)	a-Si:C(FCC)	a-Fe:Va(FCC)	a-Si:Va(FCC)	a-Fe:C(BCC)	a-Si:C(BCC)	a-Fe:Va(BCC)
1E-75	1E-75	0.98365362	5.3749E-18	1E-75	1E-75	0.99999993
0.000209343	2.02914E-18	0.98334331	5.37151E-18	1.38873E-22	1.02043E-31	0.99968447
0.000209343	2.02914E-18	0.98334331	5.37151E-18	1.38873E-22	1.02043E-31	0.99968447
0.000209343	2.02914E-18	0.98334331	5.37151E-18	1.38873E-22	1.02043E-31	0.99968447
0.000209343	2.02914E-18	0.98334331	5.37151E-18	1.38873E-22	1.02043E-31	0.99968447
0.000209343	2.02914E-18	0.98334331	5.37151E-18	1.38873E-22	1.02043E-31	0.99968447
0.000209343	2.02914E-18	0.98334331	5.37151E-18	1.38873E-22	1.02043E-31	0.99968447
0.000209343	2.02914E-18	0.98334331	5.37151E-18	1.38873E-22	1.02043E-31	0.99968447
0.000209343	2.02914E-18	0.98334331	5.37151E-18	1.38873E-22	1.02043E-31	0.99968447
0.000209343	2.02914E-18	0.98334331	5.37151E-18	1.38873E-22	1.02043E-31	0.99968447
0.000211645	2.08513E-18	0.9833399	5.45967E-18	1.43505E-22	1.07178E-31	0.999681
0.000369708	8.61488E-18	0.98310584	1.291E-17	7.65292E-22	1.35185E-30	0.99944305
0.000603256	3.22619E-17	0.97338471	2.93366E-17	3.39148E-21	1.37496E-29	0.98956038
0.001054844	1.56553E-16	0.95616928	7.99733E-17	1.87909E-20	2.11413E-28	0.97205886
0.001124149	1.88338E-16	0.95368277	9.00442E-17	2.28621E-20	2.90364E-28	0.96953103
0.001124149	1.88338E-16	0.95368277	9.00442E-17	2.28621E-20	2.90364E-28	0.96953103
0.001124149	1.88338E-16	0.95368277	9.00442E-17	2.28621E-20	2.90364E-28	0.96953103
0.001124149	1.88338E-16	0.95368277	9.00442E-17	2.28621E-20	2.90364E-28	0.96953103
0.001124149	1.88338E-16	0.95368277	9.00442E-17	2.28621E-20	2.90364E-28	0.96953103
1E-75	1E-75	0.9928852	4.4995E-17	1E-75	1E-75	0.99999993
0.00014986	5.73667E-18	0.992627	4.49716E-17	7.77712E-23	4.6896E-31	0.99973988
0.00014986	5.73667E-18	0.992627	4.49716E-17	7.77712E-23	4.6896E-31	0.99973988
0.00014986	5.73667E-18	0.992627	4.49716E-17	7.77712E-23	4.6896E-31	0.99973988
0.00014986	5.73667E-18	0.992627	4.49716E-17	7.77712E-23	4.6896E-31	0.99973988
0.00014986	5.73667E-18	0.992627	4.49716E-17	7.77712E-23	4.6896E-31	0.99973988
0.00014986	5.73667E-18	0.992627	4.49716E-17	7.77712E-23	4.6896E-31	0.99973988
0.00014986	5.73667E-18	0.992627	4.49716E-17	7.77712E-23	4.6896E-31	0.99973988
0.00014986	5.73667E-18	0.992627	4.49716E-17	7.77712E-23	4.6896E-31	0.99973988
0.00014986	5.73667E-18	0.992627	4.49716E-17	7.77712E-23	4.6896E-31	0.99973988
0.00014986	5.73667E-18	0.992627	4.49716E-17	7.77712E-23	4.6896E-31	0.99973988
0.00014986	5.73667E-18	0.992627	4.49716E-17	7.77712E-23	4.6896E-31	0.99973988
0.00014986	5.73667E-18	0.992627	4.49716E-17	7.77712E-23	4.6896E-31	0.99973988
0.00014986	5.73667E-18	0.992627	4.49716E-17	7.77712E-23	4.6896E-31	0.99973988
0.000235317	1.82414E-17	0.9906827	9.08899E-17	3.02294E-22	3.69126E-30	0.99778165
0.000424307	8.87963E-17	0.9836164	2.43623E-16	1.79773E-21	5.92628E-29	0.99066471
0.000792661	5.16807E-16	0.97072512	7.49056E-16	1.20339E-20	1.23592E-27	0.97768105
0.001604162	4.16664E-15	0.94547758	2.90647E-15	1.05143E-19	4.30188E-26	0.9522526
0.001636566	4.42756E-15	0.94454229	3.02433E-15	1.11865E-19	4.76725E-26	0.95131061
0.001636566	4.42756E-15	0.94454229	3.02433E-15	1.11865E-19	4.76725E-26	0.95131061
0.001636566	4.42756E-15	0.94454229	3.02433E-15	1.11865E-19	4.76725E-26	0.95131061
0.001636566	4.42756E-15	0.94454229	3.02433E-15	1.11865E-19	4.76725E-26	0.95131061
1E-75	1E-75	0.998932	3.1134E-16	1E-75	1E-75	0.99999993
0.000109339	1.45662E-17	0.99622705	3.09656E-16	4.50352E-23	1.84054E-30	0.99729208
0.000109339	1.45662E-17	0.99622705	3.09656E-16	4.50352E-23	1.84054E-30	0.99729208
0.000109339	1.45662E-17	0.99622705	3.09656E-16	4.50352E-23	1.84054E-30	0.99729208

0.000109339	1.45662E-17	0.99622705	3.09656E-16	4.50352E-23	1.84054E-30	0.99729208
0.000109339	1.45662E-17	0.99622705	3.09656E-16	4.50352E-23	1.84054E-30	0.99729208
0.000109339	1.45662E-17	0.99622705	3.09656E-16	4.50352E-23	1.84054E-30	0.99729208
0.000109339	1.45662E-17	0.99622705	3.09656E-16	4.50352E-23	1.84054E-30	0.99729208
0.000109339	1.45662E-17	0.99622705	3.09656E-16	4.50352E-23	1.84054E-30	0.99729208
0.000109339	1.45662E-17	0.99622705	3.09656E-16	4.50352E-23	1.84054E-30	0.99729208
0.000109339	1.45662E-17	0.99622705	3.09656E-16	4.50352E-23	1.84054E-30	0.99729208
0.000109339	1.45662E-17	0.99622705	3.09656E-16	4.50352E-23	1.84054E-30	0.99729208
0.000161167	3.95956E-17	0.99447267	5.70052E-16	1.44737E-22	1.09087E-29	0.99553583
0.000299594	2.08804E-16	0.98988704	1.60968E-15	9.38356E-22	2.0063E-28	0.99094529
0.000595583	1.44278E-15	0.98052369	5.54201E-15	7.51363E-21	5.58382E-27	0.98157194
0.001360091	1.65158E-14	0.95858424	2.71589E-14	9.36231E-20	3.48768E-25	0.95960903
0.002303924	8.33375E-14	0.93481069	7.88944E-14	4.78516E-19	5.30997E-24	0.93581006
0.002303924	8.33375E-14	0.93481069	7.88944E-14	4.78516E-19	5.30997E-24	0.93581006
0.002303924	8.33375E-14	0.93481069	7.88944E-14	4.78516E-19	5.30997E-24	0.93581006
0.002303924	8.33375E-14	0.93481069	7.88944E-14	4.78516E-19	5.30997E-24	0.93581006
1E-75	1E-75	1	1.5059E-15	1E-75	1E-75	0.99721883
8.16626E-05	2.81911E-17	0.99755093	1.49846E-15	2.72303E-23	5.30921E-30	0.99477658
8.16626E-05	2.81911E-17	0.99755093	1.49846E-15	2.72303E-23	5.30921E-30	0.99477658
8.16626E-05	2.81911E-17	0.99755093	1.49846E-15	2.72303E-23	5.30921E-30	0.99477658
8.16626E-05	2.81911E-17	0.99755093	1.49846E-15	2.72303E-23	5.30921E-30	0.99477658
8.16626E-05	3.40732E-17	0.99755093	1.81112E-15	2.72303E-23	6.41698E-30	0.99477658
8.16626E-05	3.40732E-17	0.99755093	1.81112E-15	2.72303E-23	6.41698E-30	0.99477658
8.74893E-05	3.72003E-17	0.99737773	1.84533E-15	3.34964E-23	8.04411E-30	0.99460385
9.31103E-05	4.77033E-17	0.99721082	2.22311E-15	4.03898E-23	1.16872E-29	0.99443741
9.31103E-05	4.77033E-17	0.99721082	2.22311E-15	4.03898E-23	1.16872E-29	0.99443741
9.31103E-05	4.77033E-17	0.99721082	2.22311E-15	4.03898E-23	1.16872E-29	0.99443741
9.31103E-05	4.77033E-17	0.99721082	2.22311E-15	4.03898E-23	1.16872E-29	0.99443741
9.31103E-05	4.77033E-17	0.99721082	2.22311E-15	4.03898E-23	1.16872E-29	0.99443741
0.000112533	7.80273E-17	0.99663553	3.00694E-15	7.13879E-23	2.79562E-29	0.99386372
0.000213682	4.35134E-16	0.9936746	8.80485E-15	4.91662E-22	5.65471E-28	0.99091102
0.000447815	3.47958E-15	0.98703169	3.3372E-14	4.58656E-21	2.01282E-26	0.98428659
0.001168233	5.86696E-14	0.96814727	2.11567E-13	8.46364E-20	2.40066E-24	0.96545469
0.003149273	1.25797E-12	0.92458089	1.60705E-12	1.818E-18	4.10151E-22	0.92200947
0.003149273	1.25797E-12	0.92458089	1.60705E-12	1.818E-18	4.10151E-22	0.92200947
0.003149273	1.25797E-12	0.92458089	1.60705E-12	1.818E-18	4.10151E-22	0.92200947
0.003149273	1.25797E-12	0.92458089	1.60705E-12	1.818E-18	4.10151E-22	0.92200947
1E-75	1E-75	1	5.79825E-15	1E-75	1E-75	0.99493614
6.24854E-05	4.68069E-17	0.99835605	5.779E-15	1.72298E-23	1.27761E-29	0.99330052
6.24854E-05	4.68069E-17	0.99835605	5.779E-15	1.72298E-23	1.27761E-29	0.99330052
6.24854E-05	4.68069E-17	0.99835605	5.779E-15	1.72298E-23	1.27761E-29	0.99330052
6.24854E-05	4.68069E-17	0.99835605	5.779E-15	1.72298E-23	1.27761E-29	0.99330052
6.24854E-05	7.47379E-17	0.99835605	9.22749E-15	1.72298E-23	2.04E-29	0.99330052
6.24854E-05	7.47379E-17	0.99835605	9.22749E-15	1.72298E-23	2.04E-29	0.99330052
7.2282E-05	8.5538E-17	0.9980999	9.12723E-15	2.66844E-23	3.1259E-29	0.99304566
8.54183E-05	1.68301E-16	0.99775708	1.51914E-14	4.40675E-23	8.59495E-29	0.99270458

8.54183E-05	1.68301E-16	0.99775708	1.51914E-14	4.40675E-23	8.59495E-29	0.99270458
8.54183E-05	1.68301E-16	0.99775708	1.51914E-14	4.40675E-23	8.59495E-29	0.99270458
8.54183E-05	1.68301E-16	0.99775708	1.51914E-14	4.40675E-23	8.59495E-29	0.99270458
8.54183E-05	1.68301E-16	0.99775708	1.51914E-14	4.40675E-23	8.59495E-29	0.99270458
8.54183E-05	1.68301E-16	0.99775708	1.51914E-14	4.40675E-23	8.59495E-29	0.99270458
0.000154712	8.29418E-16	0.99596113	4.12597E-14	2.62788E-22	1.39458E-27	0.99091773
0.000337869	7.43515E-15	0.99131042	1.68573E-13	2.76274E-21	6.01826E-26	0.98629056
0.001013794	1.88538E-13	0.97520344	1.40146E-12	7.71211E-20	1.41975E-23	0.97026515
0.003617417	9.6318E-12	0.92375541	1.90065E-11	3.90478E-18	1.02919E-20	0.91907764
0.004194372	1.5465E-11	0.91394036	2.60397E-11	6.21842E-18	2.26961E-20	0.9093123
0.004194372	1.5465E-11	0.91394036	2.60397E-11	6.21842E-18	2.26961E-20	0.9093123
0.004194372	1.5465E-11	0.91394036	2.60397E-11	6.21842E-18	2.26961E-20	0.9093123
1E-75	1E-75	1	1.98891E-14	1E-75	1E-75	0.9937781
4.88696E-05	7.38834E-17	0.99886192	1.98432E-14	1.13582E-23	2.85282E-29	0.9926471
4.88696E-05	7.38834E-17	0.99886192	1.98432E-14	1.13582E-23	2.85282E-29	0.9926471
4.88696E-05	7.38834E-17	0.99886192	1.98432E-14	1.13582E-23	2.85282E-29	0.9926471
4.88696E-05	7.38834E-17	0.99886192	1.98432E-14	1.13582E-23	2.85282E-29	0.9926471
4.88696E-05	1.54949E-16	0.99886192	4.16154E-14	1.13582E-23	5.98296E-29	0.9926471
5.06277E-05	8.61462E-17	0.99882113	2.23324E-14	1.26297E-23	3.57025E-29	0.99260656
6.08354E-05	1.88009E-16	0.99858449	4.05514E-14	2.19233E-23	1.1256E-28	0.99237139
7.58151E-05	4.65028E-16	0.99823786	8.04556E-14	4.24624E-23	4.32698E-28	0.99202692
7.87595E-05	5.42499E-16	0.99816981	9.03441E-14	4.76107E-23	5.44826E-28	0.9919593
7.87595E-05	5.42499E-16	0.99816981	9.03441E-14	4.76107E-23	5.44826E-28	0.9919593
7.87595E-05	5.42499E-16	0.99816981	9.03441E-14	4.76107E-23	5.44826E-28	0.9919593
7.87595E-05	5.42499E-16	0.99816981	9.03441E-14	4.76107E-23	5.44826E-28	0.9919593
7.87595E-05	5.42499E-16	0.99816981	9.03441E-14	4.76107E-23	5.44826E-28	0.9919593
0.000114033	1.47708E-15	0.99735686	1.69754E-13	1.44744E-22	3.11479E-27	0.9911514
0.000256687	1.4402E-14	0.9941101	7.32916E-13	1.66167E-21	1.5489E-25	0.98792485
0.000886848	5.51455E-13	0.98047566	8.01117E-12	7.04497E-20	7.27774E-23	0.97437523
0.003810222	4.9582E-11	0.92770793	1.58629E-10	6.24071E-18	1.34916E-19	0.92193582
0.005459048	1.57544E-10	0.90296343	3.42417E-10	1.93739E-17	9.28877E-19	0.89734528
0.005459048	1.57544E-10	0.90296343	3.42417E-10	1.93739E-17	9.28877E-19	0.89734528
0.005459048	1.57544E-10	0.90296343	3.42417E-10	1.93739E-17	9.28877E-19	0.89734528
1E-75	1E-75	1	6.13199E-14	1E-75	1E-75	0.99344327
3.8983E-05	1.11107E-16	0.99918967	6.12189E-14	7.76919E-24	5.94111E-29	0.99263826
3.8983E-05	1.11107E-16	0.99918967	6.12189E-14	7.76919E-24	5.94111E-29	0.99263826
3.8983E-05	1.11107E-16	0.99918967	6.12189E-14	7.76919E-24	5.94111E-29	0.99263826
3.8983E-05	1.11107E-16	0.99918967	6.12189E-14	7.76919E-24	5.94111E-29	0.99263826
3.8983E-05	1.11107E-16	0.99918967	6.12189E-14	7.76919E-24	5.94111E-29	0.99263826
4.40279E-05	1.92023E-16	0.99908509	9.36697E-14	1.1195E-23	1.31001E-28	0.99253437
5.20554E-05	3.96812E-16	0.99891882	1.63689E-13	1.8509E-23	3.78553E-28	0.99236919
6.38722E-05	9.34534E-16	0.99867437	3.14107E-13	3.42085E-23	1.3429E-27	0.99212634
7.30419E-05	1.61613E-15	0.99848492	4.74915E-13	5.11776E-23	3.03814E-27	0.99193813
7.30419E-05	1.61613E-15	0.99848492	4.74915E-13	5.11776E-23	3.03814E-27	0.99193813
7.30419E-05	1.61613E-15	0.99848492	4.74915E-13	5.11776E-23	3.03814E-27	0.99193813
7.30419E-05	1.61613E-15	0.99848492	4.74915E-13	5.11776E-23	3.03814E-27	0.99193813
7.30419E-05	1.61613E-15	0.99848492	4.74915E-13	5.11776E-23	3.03814E-27	0.99193813

8.56503E-05	2.49437E-15	0.99822478	6.24931E-13	8.25611E-23	6.4511E-27	0.9916797
0.000196974	2.58138E-14	0.99594531	2.80575E-12	1.00879E-21	3.54706E-25	0.98941517
0.000780613	1.47704E-12	0.98446564	4.00432E-11	6.42617E-20	3.26238E-22	0.97801077
0.004051462	2.3588E-10	0.93045483	1.16452E-09	1.00575E-17	1.57107E-18	0.9243541
0.006960455	1.35402E-09	0.89168247	3.72881E-09	5.55313E-17	2.89836E-17	0.88583595
0.006960455	1.35402E-09	0.89168247	3.72881E-09	5.55313E-17	2.89836E-17	0.88583595
0.006960455	1.35402E-09	0.89168247	3.72881E-09	5.55313E-17	2.89836E-17	0.88583595

a-Si:Va(BCC)	a-Si(liq)	a-SiO2(liq)	a-Fe(liq)	a-Fe3O4(liq)	a-FeO(liq)	a-SiO2(s)
9.1543E-18	1.50831E-17	0.59572377	0.53430328	0.00037273	0.29702213	0.79756668
9.14852E-18	1.50736E-17	0.59572377	0.53413473	0.000372848	0.29702213	0.79756668
9.14852E-18	1.50736E-17	0.59572377	0.53413473	0.000372848	0.29702213	0.79756668
9.14852E-18	1.50736E-17	0.59572377	0.53413473	0.000372848	0.29702213	0.79756668
9.14852E-18	1.50736E-17	0.59572377	0.53413473	0.000372848	0.29702213	0.79756668
9.14852E-18	1.50736E-17	0.59572377	0.53413473	0.000372848	0.29702213	0.79756668
9.14852E-18	1.50736E-17	0.59572377	0.53413473	0.000372848	0.29702213	0.79756668
9.14852E-18	1.50736E-17	0.59572377	0.53413473	0.000372848	0.29702213	0.79756668
9.14852E-18	1.50736E-17	0.59572377	0.53413473	0.000372848	0.29702213	0.79756668
9.14852E-18	1.50736E-17	0.59572377	0.53413473	0.000372848	0.29702213	0.79756668
9.14852E-18	1.50736E-17	0.59572377	0.53413473	0.000372848	0.29702213	0.79756668
9.14852E-18	1.50736E-17	0.59572377	0.53413473	0.000372848	0.29702213	0.79756668
9.14852E-18	1.50736E-17	0.59572377	0.53413473	0.000372848	0.29702213	0.79756668
9.14852E-18	1.50736E-17	0.59572377	0.53413473	0.000372848	0.29702213	0.79756668
9.14852E-18	1.50736E-17	0.59572377	0.53413473	0.000372848	0.29702213	0.79756668
9.29868E-18	1.5321E-17	0.59572377	0.53413287	0.0003609	0.2946132	0.79756668
2.19878E-17	3.62282E-17	0.59572377	0.53400574	6.44991E-05	0.19154381	0.79756668
4.99648E-17	8.23245E-17	0.59572377	0.52872539	1.21239E-05	0.12580891	0.79756668
1.36207E-16	2.24422E-16	0.59572377	0.51937428	1.5464E-06	0.074850366	0.79756668
1.5336E-16	2.52683E-16	0.59572377	0.51802365	1.21034E-06	0.070357064	0.79756668
1.5336E-16	2.52683E-16	0.59572377	0.51802365	1.21034E-06	0.070357064	0.79756668
1.5336E-16	2.52683E-16	0.59572377	0.51802365	1.21034E-06	0.070357064	0.79756668
1.5336E-16	2.52683E-16	0.59572377	0.51802365	1.21034E-06	0.070357064	0.79756668
1.5336E-16	2.52683E-16	0.59572377	0.51802365	1.21034E-06	0.070357064	0.79756668
1.5336E-16	2.52683E-16	0.59572377	0.51802365	1.21034E-06	0.070357064	0.79756668
7.51194E-17	1.26059E-16	0.63225896	0.57561254	0.000626535	0.34703192	0.73003706
7.50804E-17	1.25993E-16	0.63225896	0.57546284	0.000626698	0.34703192	0.73003706
7.50804E-17	1.25993E-16	0.63225896	0.57546284	0.000626698	0.34703192	0.73003706
7.50804E-17	1.25993E-16	0.63225896	0.57546284	0.000626698	0.34703192	0.73003706
7.50804E-17	1.25993E-16	0.63225896	0.57546284	0.000626698	0.34703192	0.73003706
7.50804E-17	1.25993E-16	0.63225896	0.57546284	0.000626698	0.34703192	0.73003706
7.50804E-17	1.25993E-16	0.63225896	0.57546284	0.000626698	0.34703192	0.73003706
7.50804E-17	1.25993E-16	0.63225896	0.57546284	0.000626698	0.34703192	0.73003706
7.50804E-17	1.25993E-16	0.63225896	0.57546284	0.000626698	0.34703192	0.73003706
7.50804E-17	1.25993E-16	0.63225896	0.57546284	0.000626698	0.34703192	0.73003706
7.50804E-17	1.25993E-16	0.63225896	0.57546284	0.000626698	0.34703192	0.73003706
7.50804E-17	1.25993E-16	0.63225896	0.57546284	0.000626698	0.34703192	0.73003706
7.50804E-17	1.25993E-16	0.63225896	0.57546284	0.000626698	0.34703192	0.73003706
7.50804E-17	1.25993E-16	0.63225896	0.57546284	0.000626698	0.34703192	0.73003706
7.50804E-17	1.25993E-16	0.63225896	0.57546284	0.000626698	0.34703192	0.73003706
7.50804E-17	1.25993E-16	0.63225896	0.57546284	0.000626698	0.34703192	0.73003706
7.50804E-17	1.25993E-16	0.63225896	0.57546284	0.000626698	0.34703192	0.73003706
7.50804E-17	1.25993E-16	0.63225896	0.57546284	0.000626698	0.34703192	0.73003706
7.50804E-17	1.25993E-16	0.63225896	0.57546284	0.000626698	0.34703192	0.73003706
7.50804E-17	1.25993E-16	0.63225896	0.57546284	0.000626698	0.34703192	0.73003706
7.50804E-17	1.25993E-16	0.63225896	0.57546284	0.000626698	0.34703192	0.73003706
7.50804E-17	1.25993E-16	0.63225896	0.57546284	0.000626698	0.34703192	0.73003706
1.51741E-16	2.54639E-16	0.63225896	0.57433567	0.000152528	0.24362932	0.73003706
4.0673E-16	6.82539E-16	0.63225896	0.57023907	2.07787E-05	0.14774721	0.73003706
1.25055E-15	2.09857E-15	0.63225896	0.56276551	2.1127E-06	0.083155641	0.73003706
4.85237E-15	8.14282E-15	0.63225896	0.54812857	1.29658E-07	0.041116959	0.73003706
5.04914E-15	8.47303E-15	0.63225896	0.54758635	1.19394E-07	0.040267935	0.73003706
5.04914E-15	8.47303E-15	0.63225896	0.54758635	1.19394E-07	0.040267935	0.73003706
5.04914E-15	8.47303E-15	0.63225896	0.54758635	1.19394E-07	0.040267935	0.73003706
5.04914E-15	8.47303E-15	0.63225896	0.54758635	1.19394E-07	0.040267935	0.73003706
5.1038E-16	8.70916E-16	0.66353151	0.61475333	0.001009954	0.40011924	0.65845339
5.0762E-16	8.66206E-16	0.66353151	0.61308867	0.001012697	0.40011924	0.65845339
5.0762E-16	8.66206E-16	0.66353151	0.61308867	0.001012697	0.40011924	0.65845339
5.0762E-16	8.66206E-16	0.66353151	0.61308867	0.001012697	0.40011924	0.65845339

5.0762E-16	8.66206E-16	0.66353151	0.61308867	0.001012697	0.40011924	0.65845339
5.0762E-16	8.66206E-16	0.66353151	0.61308867	0.001012697	0.40011924	0.65845339
5.0762E-16	8.66206E-16	0.66353151	0.61308867	0.001012697	0.40011924	0.65845339
5.0762E-16	8.66206E-16	0.66353151	0.61308867	0.001012697	0.40011924	0.65845339
5.0762E-16	8.66206E-16	0.66353151	0.61308867	0.001012697	0.40011924	0.65845339
5.0762E-16	8.66206E-16	0.66353151	0.61308867	0.001012697	0.40011924	0.65845339
5.0762E-16	8.66206E-16	0.66353151	0.61308867	0.001012697	0.40011924	0.65845339
5.0762E-16	8.66206E-16	0.66353151	0.61308867	0.001012697	0.40011924	0.65845339
5.0762E-16	8.66206E-16	0.66353151	0.61308867	0.001012697	0.40011924	0.65845339
9.34489E-16	1.59462E-15	0.66353151	0.61200901	0.000297243	0.29437863	0.65845339
2.63876E-15	4.50279E-15	0.66353151	0.60918696	3.67654E-05	0.17437581	0.65845339
9.08503E-15	1.55028E-14	0.66353151	0.60342466	3.01442E-06	0.093088352	0.65845339
4.45216E-14	7.59719E-14	0.66353151	0.58992289	1.17282E-07	0.041109801	0.65845339
1.29332E-13	2.20693E-13	0.66353151	0.57529239	1.28897E-08	0.023521848	0.65845339
1.29332E-13	2.20693E-13	0.66353151	0.57529239	1.28897E-08	0.023521848	0.65845339
1.29332E-13	2.20693E-13	0.66353151	0.57529239	1.28897E-08	0.023521848	0.65845339
1.29332E-13	2.20693E-13	0.66353151	0.57529239	1.28897E-08	0.023521848	0.65845339
2.42758E-15	4.20633E-15	0.57208152	0.65020031	0.00157193	0.45598995	0.4866961
2.4156E-15	4.18557E-15	0.57205677	0.64860792	0.001575789	0.45598995	0.48667505
2.4156E-15	4.18557E-15	0.57205677	0.64860792	0.001575789	0.45598995	0.48667505
2.4156E-15	4.18557E-15	0.57205677	0.64860792	0.001575789	0.45598995	0.48667505
2.4156E-15	4.18557E-15	0.57205677	0.64860792	0.001575789	0.45598995	0.48667505
2.91962E-15	5.05889E-15	0.69141715	0.64860792	0.001575789	0.45598995	0.58822042
2.91962E-15	5.05889E-15	0.69141715	0.64860792	0.001575789	0.45598995	0.58822042
2.97476E-15	5.15444E-15	0.63282915	0.64849531	0.001270904	0.4321058	0.53837691
3.58376E-15	6.20967E-15	0.69141715	0.64838679	0.001044788	0.41143456	0.58822042
3.58376E-15	6.20967E-15	0.69141715	0.64838679	0.001044788	0.41143456	0.58822042
3.58376E-15	6.20967E-15	0.69141715	0.64838679	0.001044788	0.41143456	0.58822042
3.58376E-15	6.20967E-15	0.69141715	0.64838679	0.001044788	0.41143456	0.58822042
3.58376E-15	6.20967E-15	0.69141715	0.64838679	0.001044788	0.41143456	0.58822042
4.84734E-15	8.39909E-15	0.69141715	0.64801273	0.000570097	0.35356413	0.58822042
1.41939E-14	2.4594E-14	0.69141715	0.64608753	6.58986E-05	0.20600472	0.58822042
5.37974E-14	9.32159E-14	0.69141715	0.64176831	4.4959E-06	0.10510755	0.58822042
3.41057E-13	5.90957E-13	0.69141715	0.62948965	1.05564E-07	0.040945998	0.58822042
2.59065E-12	4.48887E-12	0.69141715	0.60116278	1.59355E-09	0.014188107	0.58822042
2.59065E-12	4.48887E-12	0.69141715	0.60116278	1.59355E-09	0.014188107	0.58822042
2.59065E-12	4.48887E-12	0.69141715	0.60116278	1.59355E-09	0.014188107	0.58822042
2.59065E-12	4.48887E-12	0.69141715	0.60116278	1.59355E-09	0.014188107	0.58822042
9.20381E-15	1.61732E-14	0.44972613	0.68411929	0.002363185	0.51435435	0.32746035
9.17325E-15	1.61195E-14	0.44971037	0.68299463	0.002367077	0.51435435	0.32744888
9.17325E-15	1.61195E-14	0.44971037	0.68299463	0.002367077	0.51435435	0.32744888
9.17325E-15	1.61195E-14	0.44971037	0.68299463	0.002367077	0.51435435	0.32744888
9.17325E-15	1.61195E-14	0.44971037	0.68299463	0.002367077	0.51435435	0.32744888
1.46472E-14	2.57385E-14	0.71806531	0.68299463	0.002367077	0.51435435	0.52284691
1.46472E-14	2.57385E-14	0.71806531	0.68299463	0.002367077	0.51435435	0.52284691
1.4488E-14	2.54588E-14	0.56440132	0.68281939	0.001493537	0.45839033	0.41095912
2.41139E-14	4.23736E-14	0.71806531	0.68258486	0.000871776	0.40063185	0.52284691

2.41139E-14	4.23736E-14	0.71806531	0.68258486	0.000871776	0.40063185	0.52284691
2.41139E-14	4.23736E-14	0.71806531	0.68258486	0.000871776	0.40063185	0.52284691
2.41139E-14	4.23736E-14	0.71806531	0.68258486	0.000871776	0.40063185	0.52284691
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2.41139E-14	4.23736E-14	0.71806531	0.68258486	0.000871776	0.40063185	0.52284691
6.54933E-14	1.15087E-13	0.71806531	0.68135622	0.000117543	0.2426599	0.52284691
2.67582E-13	4.70204E-13	0.71806531	0.67817458	6.94351E-06	0.11949098	0.52284691
2.22459E-12	3.90911E-12	0.71806531	0.66715549	9.56424E-08	0.040768474	0.52284691
3.01698E-11	5.30152E-11	0.71806531	0.63195889	4.41968E-10	0.010486367	0.52284691
4.1334E-11	7.26333E-11	0.71806531	0.62524423	2.28036E-10	0.008863767	0.52284691
4.1334E-11	7.26333E-11	0.71806531	0.62524423	2.28036E-10	0.008863767	0.52284691
4.1334E-11	7.26333E-11	0.71806531	0.62524423	2.28036E-10	0.008863767	0.52284691
3.11232E-14	5.54015E-14	0.35454989	0.71719235	0.003440452	0.57493181	0.22072733
3.10514E-14	5.52738E-14	0.3545392	0.71637612	0.003444372	0.57493181	0.22072068
3.10514E-14	5.52738E-14	0.3545392	0.71637612	0.003444372	0.57493181	0.22072068
3.10514E-14	5.52738E-14	0.3545392	0.71637612	0.003444372	0.57493181	0.22072068
3.10514E-14	5.52738E-14	0.3545392	0.71637612	0.003444372	0.57493181	0.22072068
6.51213E-14	1.15921E-13	0.74354203	0.71637612	0.003444372	0.57493181	0.46289692
3.49465E-14	6.22074E-14	0.37732267	0.71634687	0.003079706	0.55906424	0.23490468
6.34563E-14	1.12957E-13	0.51043105	0.71617715	0.001708078	0.48243141	0.31777217
1.259E-13	2.24111E-13	0.70556511	0.71592855	0.000828234	0.40254021	0.43925414
1.41374E-13	2.51656E-13	0.74354203	0.71587975	0.000729314	0.38993506	0.46289692
1.41374E-13	2.51656E-13	0.74354203	0.71587975	0.000729314	0.38993506	0.46289692
1.41374E-13	2.51656E-13	0.74354203	0.71587975	0.000729314	0.38993506	0.46289692
1.41374E-13	2.51656E-13	0.74354203	0.71587975	0.000729314	0.38993506	0.46289692
1.41374E-13	2.51656E-13	0.74354203	0.71587975	0.000729314	0.38993506	0.46289692
2.65638E-13	4.72855E-13	0.74354203	0.71529671	0.000206068	0.28423516	0.46289692
1.14689E-12	2.04156E-12	0.74354203	0.71296816	1.0947E-05	0.13634684	0.46289692
1.25362E-11	2.23153E-11	0.74354203	0.70318964	8.79061E-08	0.040674892	0.46289692
2.48229E-10	4.41866E-10	0.74354203	0.66534503	1.89919E-10	0.008648826	0.46289692
5.35826E-10	9.5381E-10	0.74354203	0.64759846	3.75839E-11	0.005729682	0.46289692
5.35826E-10	9.5381E-10	0.74354203	0.64759846	3.75839E-11	0.005729682	0.46289692
5.35826E-10	9.5381E-10	0.74354203	0.64759846	3.75839E-11	0.005729682	0.46289692
9.46938E-14	1.70579E-13	0.27916152	0.74945401	0.004865639	0.63745403	0.14852142
9.45377E-14	1.70298E-13	0.27915378	0.74884671	0.004869585	0.63745403	0.14851731
9.45377E-14	1.70298E-13	0.27915378	0.74884671	0.004869585	0.63745403	0.14851731
9.45377E-14	1.70298E-13	0.27915378	0.74884671	0.004869585	0.63745403	0.14851731
9.45377E-14	1.70298E-13	0.27915378	0.74884671	0.004869585	0.63745403	0.14851731
1.4465E-13	2.6057E-13	0.35143133	0.74876833	0.003295506	0.57815601	0.1869709
2.52778E-13	4.5535E-13	0.46735141	0.74864372	0.001907521	0.50427074	0.2486435
4.85062E-13	8.73781E-13	0.6377822	0.74846051	0.000964036	0.42515103	0.33931725
7.33391E-13	1.32112E-12	0.76791278	0.74831853	0.00061101	0.37932497	0.40855022
7.33391E-13	1.32112E-12	0.76791278	0.74831853	0.00061101	0.37932497	0.40855022
7.33391E-13	1.32112E-12	0.76791278	0.74831853	0.00061101	0.37932497	0.40855022
7.33391E-13	1.32112E-12	0.76791278	0.74831853	0.00061101	0.37932497	0.40855022
7.33391E-13	1.32112E-12	0.76791278	0.74831853	0.00061101	0.37932497	0.40855022

9.65054E-13	1.73843E-12	0.76791278	0.74812356	0.000352596	0.33059036	0.40855022
4.3328E-12	7.80501E-12	0.76791278	0.7464152	1.73726E-05	0.1556643	0.40855022
6.1837E-11	1.11392E-10	0.76791278	0.73781172	8.2376E-08	0.040729983	0.40855022
1.79831E-09	3.23944E-09	0.76791278	0.69733311	8.2234E-11	0.007138394	0.40855022
5.75824E-09	1.03728E-08	0.76791278	0.668275	7.05906E-12	0.00382299	0.40855022
5.75824E-09	1.03728E-08	0.76791278	0.668275	7.05906E-12	0.00382299	0.40855022
5.75824E-09	1.03728E-08	0.76791278	0.668275	7.05906E-12	0.00382299	0.40855022

a-SiO2(s2)	a-SiO2(s3)	a-SiO2(s4)	a-SiO2(s5)	a-SiO2(s6)	a-Fe(s)	a-Fe(s2)
1	0.05661658	0.98663999	0.19169025	0.97872734	1	0.98365364
1	0.05661658	0.98663999	0.19169025	0.97872734	0.99968453	0.98334333
1	0.05661658	0.98663999	0.19169025	0.97872734	0.99968453	0.98334333
1	0.05661658	0.98663999	0.19169025	0.97872734	0.99968453	0.98334333
1	0.05661658	0.98663999	0.19169025	0.97872734	0.99968453	0.98334333
1	0.05661658	0.98663999	0.19169025	0.97872734	0.99968453	0.98334333
1	0.05661658	0.98663999	0.19169025	0.97872734	0.99968453	0.98334333
1	0.05661658	0.98663999	0.19169025	0.97872734	0.99968453	0.98334333
1	0.05661658	0.98663999	0.19169025	0.97872734	0.99968453	0.98334333
1	0.05661658	0.98663999	0.19169025	0.97872734	0.99968453	0.98334333
1	0.05661658	0.98663999	0.19169025	0.97872734	0.99968453	0.98334333
1	0.05661658	0.98663999	0.19169025	0.97872734	0.99968107	0.98333992
1	0.05661658	0.98663999	0.19169025	0.97872734	0.99944312	0.98310587
1	0.05661658	0.98663999	0.19169025	0.97872734	0.98956044	0.97338473
1	0.05661658	0.98663999	0.19169025	0.97872734	0.97205893	0.95616931
1	0.05661658	0.98663999	0.19169025	0.97872734	0.96953109	0.95368279
1	0.05661658	0.98663999	0.19169025	0.97872734	0.96953109	0.95368279
1	0.05661658	0.98663999	0.19169025	0.97872734	0.96953109	0.95368279
1	0.05661658	0.98663999	0.19169025	0.97872734	0.96953109	0.95368279
1	0.05661658	0.98663999	0.19169025	0.97872734	0.96953109	0.95368279
1	0.04534014	0.99671422	0.16000257	0.9902637	1	0.99288522
1	0.04534014	0.99671422	0.16000257	0.9902637	0.99973995	0.99262702
1	0.04534014	0.99671422	0.16000257	0.9902637	0.99973995	0.99262702
1	0.04534014	0.99671422	0.16000257	0.9902637	0.99973995	0.99262702
1	0.04534014	0.99671422	0.16000257	0.9902637	0.99973995	0.99262702
1	0.04534014	0.99671422	0.16000257	0.9902637	0.99973995	0.99262702
1	0.04534014	0.99671422	0.16000257	0.9902637	0.99973995	0.99262702
1	0.04534014	0.99671422	0.16000257	0.9902637	0.99973995	0.99262702
1	0.04534014	0.99671422	0.16000257	0.9902637	0.99973995	0.99262702
1	0.04534014	0.99671422	0.16000257	0.9902637	0.99973995	0.99262702
1	0.04534014	0.99671422	0.16000257	0.9902637	0.99973995	0.99262702
1	0.04534014	0.99671422	0.16000257	0.9902637	0.99973995	0.99262702
1	0.04534014	0.99671422	0.16000257	0.9902637	0.99973995	0.99262702
1	0.04534014	0.99671422	0.16000257	0.9902637	0.99973995	0.99262702
1	0.04534014	0.99671422	0.16000257	0.9902637	0.99973995	0.99262702
1	0.04534014	0.99671422	0.16000257	0.9902637	0.99973995	0.99262702
1	0.04534014	0.99671422	0.16000257	0.9902637	0.99778172	0.99068272
1	0.04534014	0.99671422	0.16000257	0.9902637	0.99066478	0.98361642
1	0.04534014	0.99671422	0.16000257	0.9902637	0.97768112	0.97072514
1	0.04534014	0.99671422	0.16000257	0.9902637	0.95225267	0.9454776
1	0.04534014	0.99671422	0.16000257	0.9902637	0.95131068	0.94454231
1	0.04534014	0.99671422	0.16000257	0.9902637	0.95131068	0.94454231
1	0.04534014	0.99671422	0.16000257	0.9902637	0.95131068	0.94454231
1	0.04534014	0.99671422	0.16000257	0.9902637	0.95131068	0.94454231
0.99380118	0.036188582	1	0.13263866	0.994778	1	0.99893201
0.99380118	0.036188582	1	0.13263866	0.994778	0.99729215	0.99622706
0.99380118	0.036188582	1	0.13263866	0.994778	0.99729215	0.99622706
0.99380118	0.036188582	1	0.13263866	0.994778	0.99729215	0.99622706

0.99380118	0.036188582	1	0.13263866	0.994778	0.99729215	0.99622706
0.99380118	0.036188582	1	0.13263866	0.994778	0.99729215	0.99622706
0.99380118	0.036188582	1	0.13263866	0.994778	0.99729215	0.99622706
0.99380118	0.036188582	1	0.13263866	0.994778	0.99729215	0.99622706
0.99380118	0.036188582	1	0.13263866	0.994778	0.99729215	0.99622706
0.99380118	0.036188582	1	0.13263866	0.994778	0.99729215	0.99622706
0.99380118	0.036188582	1	0.13263866	0.994778	0.99729215	0.99622706
0.99380118	0.036188582	1	0.13263866	0.994778	0.99729215	0.99622706
0.99380118	0.036188582	1	0.13263866	0.994778	0.99553591	0.99447269
0.99380118	0.036188582	1	0.13263866	0.994778	0.99094536	0.98988705
0.99380118	0.036188582	1	0.13263866	0.994778	0.98157201	0.98052371
0.99380118	0.036188582	1	0.13263866	0.994778	0.9596091	0.95858425
0.99380118	0.036188582	1	0.13263866	0.994778	0.93581013	0.9348107
0.99380118	0.036188582	1	0.13263866	0.994778	0.93581013	0.9348107
0.99380118	0.036188582	1	0.13263866	0.994778	0.93581013	0.9348107
0.99380118	0.036188582	1	0.13263866	0.994778	0.93581013	0.9348107
0.8149707	0.023908565	0.82740429	0.090732164	0.82391791	0.99721891	1
0.81493545	0.023907531	0.8273685	0.090728239	0.82388227	0.99477665	0.99755094
0.81493545	0.023907531	0.8273685	0.090728239	0.82388227	0.99477665	0.99755094
0.81493545	0.023907531	0.8273685	0.090728239	0.82388227	0.99477665	0.99755094
0.81493545	0.023907531	0.8273685	0.090728239	0.82388227	0.99477665	0.99755094
0.98497278	0.028895868	1	0.1096588	0.99578636	0.99477665	0.99755094
0.98497278	0.028895868	1	0.1096588	0.99578636	0.99477665	0.99755094
0.90151001	0.026447344	0.91526388	0.10036674	0.91140729	0.99460392	0.99737773
0.98497278	0.028895868	1	0.1096588	0.99578636	0.99443749	0.99721083
0.98497278	0.028895868	1	0.1096588	0.99578636	0.99443749	0.99721083
0.98497278	0.028895868	1	0.1096588	0.99578636	0.99443749	0.99721083
0.98497278	0.028895868	1	0.1096588	0.99578636	0.99443749	0.99721083
0.98497278	0.028895868	1	0.1096588	0.99578636	0.99443749	0.99721083
0.98497278	0.028895868	1	0.1096588	0.99578636	0.99386379	0.99663554
0.98497278	0.028895868	1	0.1096588	0.99578636	0.99091109	0.9936746
0.98497278	0.028895868	1	0.1096588	0.99578636	0.98428666	0.9870317
0.98497278	0.028895868	1	0.1096588	0.99578636	0.96545476	0.96814728
0.98497278	0.028895868	1	0.1096588	0.99578636	0.92200954	0.9245809
0.98497278	0.028895868	1	0.1096588	0.99578636	0.92200954	0.9245809
0.98497278	0.028895868	1	0.1096588	0.99578636	0.92200954	0.9245809
0.98497278	0.028895868	1	0.1096588	0.99578636	0.92200954	0.9245809
0.6117362	0.014505498	0.62630254	0.056841147	0.62417341	0.99493622	1
0.61171477	0.01450499	0.6262806	0.056839156	0.62415155	0.9933006	0.99835606
0.61171477	0.01450499	0.6262806	0.056839156	0.62415155	0.9933006	0.99835606
0.61171477	0.01450499	0.6262806	0.056839156	0.62415155	0.9933006	0.99835606
0.61171477	0.01450499	0.6262806	0.056839156	0.62415155	0.9933006	0.99835606
0.97674233	0.023160529	1	0.090756694	0.99660048	0.9933006	0.99835605
0.97674233	0.023160529	1	0.090756694	0.99660048	0.9933006	0.99835605
0.76772217	0.01820424	0.78600276	0.071335012	0.78333074	0.99304574	0.9980999
0.97674233	0.023160529	1	0.090756694	0.99660048	0.99270466	0.99775708

0.97674233	0.023160529	1	0.090756694	0.99660048	0.99270466	0.99775708
0.97674233	0.023160529	1	0.090756694	0.99660048	0.99270466	0.99775708
0.97674233	0.023160529	1	0.090756694	0.99660048	0.99270466	0.99775708
0.97674233	0.023160529	1	0.090756694	0.99660048	0.99270466	0.99775708
0.97674233	0.023160529	1	0.090756694	0.99660048	0.99270466	0.99775708
0.97674233	0.023160529	1	0.090756694	0.99660048	0.99091781	0.99596114
0.97674233	0.023160529	1	0.090756694	0.99660048	0.98629064	0.99131042
0.97674233	0.023160529	1	0.090756694	0.99660048	0.97026523	0.97520345
0.97674233	0.023160529	1	0.090756694	0.99660048	0.91907771	0.92375541
0.97674233	0.023160529	1	0.090756694	0.99660048	0.90931237	0.91394036
0.97674233	0.023160529	1	0.090756694	0.99660048	0.90931237	0.91394036
0.97674233	0.023160529	1	0.090756694	0.99660048	0.90931237	0.91394036
0.46208134	0.00888594	0.47683907	0.035867722	0.47553235	0.99377818	1
0.46206742	0.008885672	0.4768247	0.035866641	0.47551802	0.99264718	0.99886192
0.46206742	0.008885672	0.4768247	0.035866641	0.47551802	0.99264718	0.99886192
0.46206742	0.008885672	0.4768247	0.035866641	0.47551802	0.99264718	0.99886192
0.46206742	0.008885672	0.4768247	0.035866641	0.47551802	0.99264718	0.99886192
0.96905093	0.018635092	1	0.075219763	0.99725962	0.99264718	0.99886191
0.49176088	0.009456685	0.5074665	0.03817151	0.50607585	0.99260664	0.99882112
0.66523972	0.012792727	0.68648581	0.0516373	0.68460458	0.99237147	0.99858449
0.91955599	0.017683292	0.94892431	0.071377862	0.94632389	0.992027	0.99823785
0.96905093	0.018635092	1	0.075219763	0.99725962	0.99195938	0.99816981
0.96905093	0.018635092	1	0.075219763	0.99725962	0.99195938	0.99816981
0.96905093	0.018635092	1	0.075219763	0.99725962	0.99195938	0.99816981
0.96905093	0.018635092	1	0.075219763	0.99725962	0.99195938	0.99816981
0.96905093	0.018635092	1	0.075219763	0.99725962	0.99195938	0.99816981
0.96905093	0.018635092	1	0.075219763	0.99725962	0.99115148	0.99735686
0.96905093	0.018635092	1	0.075219763	0.99725962	0.98792493	0.9941101
0.96905093	0.018635092	1	0.075219763	0.99725962	0.97437531	0.98047565
0.96905093	0.018635092	1	0.075219763	0.99725962	0.9219359	0.92770793
0.96905093	0.018635092	1	0.075219763	0.99725962	0.89734535	0.90296343
0.96905093	0.018635092	1	0.075219763	0.99725962	0.89734535	0.90296343
0.96905093	0.018635092	1	0.075219763	0.99725962	0.89734535	0.90296343
0.34966331	0.005471846	0.36353284	0.022702163	0.36273177	0.99344336	0.99999999
0.34965363	0.005471695	0.36352277	0.022701534	0.36272173	0.99263834	0.99918967
0.34965363	0.005471695	0.36352277	0.022701534	0.36272173	0.99263834	0.99918967
0.34965363	0.005471695	0.36352277	0.022701534	0.36272173	0.99263834	0.99918967
0.34965363	0.005471695	0.36352277	0.022701534	0.36272173	0.99263834	0.99918967
0.34965363	0.005471695	0.36352277	0.022701534	0.36272173	0.99263834	0.99918967
0.44018475	0.006888407	0.45764485	0.028579338	0.4566364	0.99253445	0.99908509
0.58538027	0.009160557	0.6085996	0.03800627	0.60725852	0.99236927	0.99891882
0.79885308	0.012501172	0.83053989	0.051866158	0.82870975	0.99212642	0.99867436
0.96184793	0.015051862	1	0.062448726	0.99779644	0.99193821	0.99848491
0.96184793	0.015051862	1	0.062448726	0.99779644	0.99193821	0.99848491
0.96184793	0.015051862	1	0.062448726	0.99779644	0.99193821	0.99848491
0.96184793	0.015051862	1	0.062448726	0.99779644	0.99193821	0.99848491
0.96184793	0.015051862	1	0.062448726	0.99779644	0.99193821	0.99848491

0.96184793	0.015051862	1	0.062448726	0.99779644	0.99167978	0.99822477
0.96184793	0.015051862	1	0.062448726	0.99779644	0.98941525	0.9959453
0.96184793	0.015051862	1	0.062448726	0.99779644	0.97801085	0.98446563
0.96184793	0.015051862	1	0.062448726	0.99779644	0.92435417	0.93045483
0.96184793	0.015051862	1	0.062448726	0.99779644	0.88583603	0.89168246
0.96184793	0.015051862	1	0.062448726	0.99779644	0.88583603	0.89168246
0.96184793	0.015051862	1	0.062448726	0.99779644	0.88583603	0.89168246

a-Fe2O3(s)	a-Fe3O4(s)	a-Fe3O4(s2)	a-FeO(s)	X-CO(g)	X-CO2(g)	X-FeO(SLAG)
0.010796756	0.25994281	0.2723304	1	0	0	0.62249917
0.010800164	0.26002484	0.27241634	1	0.65525727	0.34474273	0.62249786
0.010800164	0.26002484	0.27241634	1	0.65525727	0.34474273	0.62249786
0.010800164	0.26002484	0.27241634	1	0.65525727	0.34474273	0.62249786
0.010800164	0.26002484	0.27241634	1	0.65525727	0.34474273	0.62249786
0.010800164	0.26002484	0.27241634	1	0.65525727	0.34474273	0.62249786
0.010800164	0.26002484	0.27241634	1	0.65525727	0.34474273	0.62249786
0.010800164	0.26002484	0.27241634	1	0.65525727	0.34474273	0.62249786
0.010800164	0.26002484	0.27241634	1	0.65525727	0.34474273	0.62249786
0.010800164	0.26002484	0.27241634	1	0.65525727	0.34474273	0.62249786
0.010800164	0.26002484	0.27241634	1	0.65525727	0.34474273	0.62249786
0.010800164	0.26002484	0.27241634	1	0.65525727	0.34474273	0.62249786
0.010539548	0.25169228	0.26368669	0.99188972	0.6570937	0.3429063	0.6219524
0.002897164	0.044981812	0.047125423	0.64488059	0.74662229	0.25337771	0.59026097
0.000829123	0.008455239	0.008858174	0.42356747	0.81624228	0.18375772	0.000651003
0.000177753	0.001078464	0.001129858	0.25200265	0.88000968	0.11999032	0.000123877
0.000148009	0.000844096	0.000884321	0.23687482	0.88613197	0.11386803	0.000101773
0.000148009	0.000844096	0.000884321	0.23687482	0.88613197	0.11386803	0.000101773
0.000148009	0.000844096	0.000884321	0.23687482	0.88613197	0.11386803	0.000101773
0.000148009	0.000844096	0.000884321	0.23687482	0.88613197	0.11386803	0.000101773
0.000148009	0.000844096	0.000884321	0.23687482	0.88613197	0.11386803	0.000101773
0.009998102	0.21770188	0.22986494	1	0	0	0.62694875
0.010000703	0.21775851	0.22992473	1	0.67490572	0.32509428	0.62694779
0.010000703	0.21775851	0.22992473	1	0.67490572	0.32509428	0.62694779
0.010000703	0.21775851	0.22992473	1	0.67490572	0.32509428	0.62694779
0.010000703	0.21775851	0.22992473	1	0.67490572	0.32509428	0.62694779
0.010000703	0.21775851	0.22992473	1	0.67490572	0.32509428	0.62694779
0.010000703	0.21775851	0.22992473	1	0.67490572	0.32509428	0.62694779
0.010000703	0.21775851	0.22992473	1	0.67490572	0.32509428	0.62694779
0.010000703	0.21775851	0.22992473	1	0.67490572	0.32509428	0.62694779
0.010000703	0.21775851	0.22992473	1	0.67490572	0.32509428	0.62694779
0.010000703	0.21775851	0.22992473	1	0.67490572	0.32509428	0.62694779
0.010000703	0.21775851	0.22992473	1	0.67490572	0.32509428	0.62694779
0.010000703	0.21775851	0.22992473	1	0.67490572	0.32509428	0.62694779
0.010000703	0.21775851	0.22992473	1	0.67490572	0.32509428	0.62694779
0.003467068	0.052998932	0.055959996	0.7020372	0.74692256	0.25307744	0.60092065
0.000778826	0.007219961	0.007623342	0.42574529	0.82853115	0.17146885	0.55345597
0.000140698	0.000734098	0.000775112	0.23961957	0.89443344	0.10556656	0.00016107
1.7463E-05	4.50522E-05	4.75693E-05	0.11848178	0.94346979	0.056530214	1.83085E-05
1.64197E-05	4.14858E-05	4.38036E-05	0.11603525	0.94452054	0.055479462	1.7196E-05
1.64197E-05	4.14858E-05	4.38036E-05	0.11603525	0.94452054	0.055479462	1.7196E-05
1.64197E-05	4.14858E-05	4.38036E-05	0.11603525	0.94452054	0.055479462	1.7196E-05
1.64197E-05	4.14858E-05	4.38036E-05	0.11603525	0.94452054	0.055479462	1.7196E-05
0.009339095	0.18554197	0.19731305	1	0	0	0.63134818
0.009364453	0.18604575	0.19784879	1	0.69148724	0.30851276	0.6313392
0.009364453	0.18604575	0.19784879	1	0.69148724	0.30851276	0.6313392
0.009364453	0.18604575	0.19784879	1	0.69148724	0.30851276	0.6313392

0.009364453	0.18604575	0.19784879	1	0.69148724	0.30851276	0.6313392
0.009364453	0.18604575	0.19784879	1	0.69148724	0.30851276	0.6313392
0.009364453	0.18604575	0.19784879	1	0.69148724	0.30851276	0.6313392
0.009364453	0.18604575	0.19784879	1	0.69148724	0.30851276	0.6313392
0.009364453	0.18604575	0.19784879	1	0.69148724	0.30851276	0.6313392
0.009364453	0.18604575	0.19784879	1	0.69148724	0.30851276	0.6313392
0.009364453	0.18604575	0.19784879	1	0.69148724	0.30851276	0.6313392
0.009364453	0.18604575	0.19784879	1	0.69148724	0.30851276	0.6313392
0.009364453	0.18604575	0.19784879	1	0.69148724	0.30851276	0.6313392
0.003735927	0.054607543	0.058071933	0.73572726	0.75254177	0.24745823	0.60831594
0.000780091	0.006754289	0.007182792	0.4358096	0.83634039	0.16365961	0.56055873
0.000119812	0.000553788	0.000588921	0.23265153	0.90459934	0.09540066	0.000220326
1.05555E-05	2.15462E-05	2.29132E-05	0.10274388	0.95452624	0.045473757	1.89762E-05
2.02751E-06	2.368E-06	2.51823E-06	0.058787095	0.97280851	0.027191489	4.18616E-06
2.02751E-06	2.368E-06	2.51823E-06	0.058787095	0.97280851	0.027191489	4.18616E-06
2.02751E-06	2.368E-06	2.51823E-06	0.058787095	0.97280851	0.027191489	4.18616E-06
2.02751E-06	2.368E-06	2.51823E-06	0.058787095	0.97280851	0.027191489	4.18616E-06
0.008802998	0.16085166	0.17218234	1	0	0	0.64665464
0.00882461	0.16124657	0.17260506	1	0.70605037	0.29394963	0.64665364
0.00882461	0.16124657	0.17260506	1	0.70605037	0.29394963	0.64665364
0.00882461	0.16124657	0.17260506	1	0.70605037	0.29394963	0.64665364
0.00882461	0.16124657	0.17260506	1	0.70605037	0.29394963	0.64665364
0.00882461	0.16124657	0.17260506	1	0.70605037	0.29394963	0.035569707
0.00882461	0.16124657	0.17260506	1	0.70605037	0.29394963	0.035569707
0.007510613	0.13004846	0.1392093	0.94762133	0.71705598	0.28294402	0.638424
0.006484554	0.10691055	0.11444152	0.90228866	0.7268617	0.2731383	0.630998
0.006484554	0.10691055	0.11444152	0.90228866	0.7268617	0.2731383	0.630998
0.006484554	0.10691055	0.11444152	0.90228866	0.7268617	0.2731383	0.630998
0.006484554	0.10691055	0.11444152	0.90228866	0.7268617	0.2731383	0.630998
0.006484554	0.10691055	0.11444152	0.90228866	0.7268617	0.2731383	0.630998
0.004117494	0.058336569	0.062445899	0.77537701	0.75579571	0.24420429	0.61608519
0.000816868	0.006743245	0.007218251	0.45177469	0.84116961	0.15883039	0.5679203
0.000109228	0.000460054	0.000492461	0.23050409	0.91158666	0.088413343	0.000316
6.58351E-06	1.08021E-05	1.1563E-05	0.089795834	0.96290869	0.03709131	2.08362E-05
2.86809E-07	1.63064E-07	1.7455E-07	0.031114955	0.98621621	0.013783792	1.84192E-06
2.86809E-07	1.63064E-07	1.7455E-07	0.031114955	0.98621621	0.013783792	1.84192E-06
2.86809E-07	1.63064E-07	1.7455E-07	0.031114955	0.98621621	0.013783792	1.84192E-06
2.86809E-07	1.63064E-07	1.7455E-07	0.031114955	0.98621621	0.013783792	1.84192E-06
0.008331999	0.14102769	0.15187735	1	0	0	0.66260926
0.008345719	0.14125991	0.15212744	1	0.71918374	0.28081626	0.66260927
0.008345719	0.14125991	0.15212744	1	0.71918374	0.28081626	0.66260927
0.008345719	0.14125991	0.15212744	1	0.71918374	0.28081626	0.66260927
0.008345719	0.14125991	0.15212744	1	0.71918374	0.28081626	0.66260927
0.008345719	0.14125991	0.15212744	1	0.71918374	0.28081626	0.052885438
0.008345719	0.14125991	0.15212744	1	0.71918374	0.28081626	0.052885438
0.005908732	0.089129707	0.09598671	0.89119559	0.74180112	0.25819888	0.64373906
0.00394615	0.052024961	0.05602739	0.77890241	0.76668484	0.23331516	0.62248809

0.00394615	0.052024961	0.05602739	0.77890241	0.76668484	0.23331516	0.62248809
0.00394615	0.052024961	0.05602739	0.77890241	0.76668484	0.23331516	0.62248809
0.00394615	0.052024961	0.05602739	0.77890241	0.76668484	0.23331516	0.62248809
0.00394615	0.052024961	0.05602739	0.77890241	0.76668484	0.23331516	0.62248809
0.00394615	0.052024961	0.05602739	0.77890241	0.76668484	0.23331516	0.62248809
0.000878443	0.007014623	0.007554278	0.47177573	0.84412762	0.15587238	0.57519331
0.00010538	0.000414367	0.000446246	0.23231257	0.91629239	0.083707614	0.000469466
4.25442E-06	5.70765E-06	6.14676E-06	0.079261454	0.96928941	0.030710587	2.448E-05
7.64329E-08	2.63753E-08	2.84045E-08	0.020387437	0.99146992	0.008530079	1.73185E-06
4.66551E-08	1.36085E-08	1.46554E-08	0.017232803	0.99270332	0.007296681	1.34528E-06
4.66551E-08	1.36085E-08	1.46554E-08	0.017232803	0.99270332	0.007296681	1.34528E-06
4.66551E-08	1.36085E-08	1.46554E-08	0.017232803	0.99270332	0.007296681	1.34528E-06
0.007904173	0.12471979	0.13506759	1	0	0	0.67970792
0.007913179	0.1248619	0.13522148	1	0.73110463	0.26889537	0.67970867
0.007913179	0.1248619	0.13522148	1	0.73110463	0.26889537	0.67970867
0.007913179	0.1248619	0.13522148	1	0.73110463	0.26889537	0.67970867
0.007913179	0.1248619	0.13522148	1	0.73110463	0.26889537	0.67970867
0.007913179	0.1248619	0.13522148	1	0.73110463	0.26889537	0.086141524
0.007276204	0.1116424	0.12090518	0.97240094	0.73656299	0.26343701	0.67443481
0.004676591	0.061919513	0.067056874	0.83911067	0.76411414	0.23588586	0.64848212
0.002717698	0.030024312	0.032515381	0.70015296	0.79511953	0.20488047	0.61869894
0.002470472	0.026438373	0.028631922	0.67822836	0.80024276	0.19975724	0.61352481
0.002470472	0.026438373	0.028631922	0.67822836	0.80024276	0.19975724	0.61352481
0.002470472	0.026438373	0.028631922	0.67822836	0.80024276	0.19975724	0.61352481
0.002470472	0.026438373	0.028631922	0.67822836	0.80024276	0.19975724	0.61352481
0.002470472	0.026438373	0.028631922	0.67822836	0.80024276	0.19975724	0.61352481
0.000957613	0.007470173	0.008089961	0.49438065	0.84594906	0.15405094	0.58230441
0.000106049	0.00039684	0.000429766	0.23715306	0.91942168	0.080578324	0.000714352
2.85463E-06	3.18668E-06	3.45108E-06	0.070747333	0.97417621	0.025823793	3.0787E-05
2.90047E-08	6.88474E-09	7.45595E-09	0.015043221	0.99407812	0.005921876	2.19364E-06
8.6642E-09	1.36245E-09	1.47549E-09	0.009965845	0.99596173	0.004038275	1.29341E-06
8.6642E-09	1.36245E-09	1.47549E-09	0.009965845	0.99596173	0.004038275	1.29341E-06
8.6642E-09	1.36245E-09	1.47549E-09	0.009965845	0.99596173	0.004038275	1.29341E-06
0.007510727	0.11110633	0.12094975	1	0	0	0.69879064
0.007516818	0.11119644	0.12104784	1	0.7419835	0.2580165	0.69879205
0.007516818	0.11119644	0.12104784	1	0.7419835	0.2580165	0.69879205
0.007516818	0.11119644	0.12104784	1	0.7419835	0.2580165	0.69879205
0.007516818	0.11119644	0.12104784	1	0.7419835	0.2580165	0.69879205
0.007516818	0.11119644	0.12104784	1	0.7419835	0.2580165	0.69879205
0.005608775	0.07525252	0.081919485	0.9069768	0.7602111	0.2397889	0.67823141
0.003722173	0.043558029	0.047417034	0.79106997	0.78421509	0.21578491	0.65270821
0.002231214	0.022013665	0.023963957	0.66695166	0.81165887	0.18834113	0.62331292
0.001584996	0.013952357	0.01518846	0.59506248	0.82845072	0.17154928	0.60408155
0.001584996	0.013952357	0.01518846	0.59506248	0.82845072	0.17154928	0.60408155
0.001584996	0.013952357	0.01518846	0.59506248	0.82845072	0.17154928	0.60408155
0.001584996	0.013952357	0.01518846	0.59506248	0.82845072	0.17154928	0.60408155
0.001584996	0.013952357	0.01518846	0.59506248	0.82845072	0.17154928	0.60408155

0.001049488	0.00805148	0.008764798	0.51861051	0.84708767	0.15291233	0.58924543
0.000109816	0.000396702	0.000431847	0.2441969	0.92149475	0.078505249	0.001101111
1.99011E-06	1.88105E-06	2.0477E-06	0.063894777	0.97794632	0.022053676	4.10152E-05
1.13355E-08	1.8778E-09	2.04417E-09	0.011198288	0.99583567	0.004164331	2.89814E-06
1.81691E-09	1.61193E-10	1.75474E-10	0.005997279	0.99766852	0.002331479	1.40301E-06
1.81691E-09	1.61193E-10	1.75474E-10	0.005997279	0.99766852	0.002331479	1.40301E-06
1.81691E-09	1.61193E-10	1.75474E-10	0.005997279	0.99766852	0.002331479	1.40301E-06

X-SiO2(SLAG)	X-Fe:C(FCC)	X-Si:C(FCC)	X-Fe:Va(FCC)	X-Si:Va(FCC)	X-Fe:C(BCC)	X-Si:C(BCC)
0.36478175	0	0	1	1.80328E-11	0	0
0.3647808	0.009535579	1.59407E-13	0.99046442	1.65577E-11	0.000105104	2.54234E-15
0.3647808	0.009535579	1.59407E-13	0.99046442	1.65577E-11	0.000105104	2.54234E-15
0.3647808	0.009535579	1.59407E-13	0.99046442	1.65577E-11	0.000105104	2.54234E-15
0.3647808	0.009535579	1.59407E-13	0.99046442	1.65577E-11	0.000105104	2.54234E-15
0.3647808	0.009535579	1.59407E-13	0.99046442	1.65577E-11	0.000105104	2.54234E-15
0.3647808	0.009535579	1.59407E-13	0.99046442	1.65577E-11	0.000105104	2.54234E-15
0.3647808	0.009535579	1.59407E-13	0.99046442	1.65577E-11	0.000105104	2.54234E-15
0.3647808	0.009535579	1.59407E-13	0.99046442	1.65577E-11	0.000105104	2.54234E-15
0.3647808	0.009535579	1.59407E-13	0.99046442	1.65577E-11	0.000105104	2.54234E-15
0.3647808	0.009535579	1.59407E-13	0.99046442	1.65577E-11	0.000105104	2.54234E-15
0.36542277	0.009632275	1.63543E-13	0.99036773	1.68151E-11	0.000106258	2.61233E-15
0.40112627	0.015924905	6.08683E-13	0.98407509	3.76134E-11	0.000185421	1.07478E-14
0.99934634	0.024366972	2.00144E-12	0.97563303	8.01361E-11	0.000304983	4.03801E-14
0.99987582	0.038350599	7.84881E-12	0.9616494	1.96811E-10	0.000540815	1.96857E-13
0.99989799	0.040284444	9.17046E-12	0.95971556	2.18472E-10	0.000577506	2.36955E-13
0.99989799	0.040284444	9.17046E-12	0.95971556	2.18472E-10	0.000577506	2.36955E-13
0.99989799	0.040284444	9.17046E-12	0.95971556	2.18472E-10	0.000577506	2.36955E-13
0.99989799	0.040284444	9.17046E-12	0.95971556	2.18472E-10	0.000577506	2.36955E-13
0.99989799	0.040284444	9.17046E-12	0.95971556	2.18472E-10	0.000577506	2.36955E-13
0.36111265	0	0	1	6.15183E-11	0	0
0.36111186	0.005885302	3.45368E-13	0.9941147	5.83378E-11	8.66583E-05	7.1574E-15
0.36111186	0.005885302	3.45368E-13	0.9941147	5.83378E-11	8.66583E-05	7.1574E-15
0.36111186	0.005885302	3.45368E-13	0.9941147	5.83378E-11	8.66583E-05	7.1574E-15
0.36111186	0.005885302	3.45368E-13	0.9941147	5.83378E-11	8.66583E-05	7.1574E-15
0.36111187	0.005885302	3.45368E-13	0.9941147	5.83378E-11	8.66583E-05	7.1574E-15
0.36111186	0.005885302	3.45368E-13	0.9941147	5.83378E-11	8.66583E-05	7.1574E-15
0.36111186	0.005885302	3.45368E-13	0.9941147	5.83378E-11	8.66583E-05	7.1574E-15
0.36111186	0.005885302	3.45368E-13	0.9941147	5.83378E-11	8.66583E-05	7.1574E-15
0.36111186	0.005885302	3.45368E-13	0.9941147	5.83378E-11	8.66583E-05	7.1574E-15
0.36111186	0.005885302	3.45368E-13	0.9941147	5.83378E-11	8.66583E-05	7.1574E-15
0.36111186	0.005885302	3.45368E-13	0.9941147	5.83378E-11	8.66583E-05	7.1574E-15
0.36111186	0.005885302	3.45368E-13	0.9941147	5.83378E-11	8.66583E-05	7.1574E-15
0.36111186	0.005885302	3.45368E-13	0.9941147	5.83378E-11	8.66583E-05	7.1574E-15
0.39050255	0.009018121	1.04534E-12	0.99098188	1.1487E-10	0.000136233	2.27425E-14
0.4409096	0.015505244	4.60961E-12	0.98449476	2.92684E-10	0.000246965	1.10835E-13
0.99983852	0.026701846	2.26537E-11	0.97329815	8.25742E-10	0.000465832	6.45938E-13
0.99998166	0.046802019	1.35442E-10	0.95319798	2.7585E-09	0.000960173	5.20554E-12
0.99998277	0.047509139	1.42434E-10	0.95249086	2.85559E-09	0.00098022	5.531E-12
0.99998277	0.047509139	1.42434E-10	0.95249086	2.85559E-09	0.00098022	5.531E-12
0.99998277	0.047509139	1.42434E-10	0.95249086	2.85559E-09	0.00098022	5.531E-12
0.99998277	0.047509139	1.42434E-10	0.95249086	2.85559E-09	0.00098022	5.531E-12
0.35727172	0	0	1	1.87727E-10	0	0
0.35726352	0.003723849	6.76652E-13	0.99627615	1.81031E-10	7.23065E-05	1.80019E-14
0.35726352	0.003723849	6.76652E-13	0.99627615	1.81031E-10	7.23065E-05	1.80019E-14
0.35726352	0.003723849	6.76652E-13	0.99627615	1.81031E-10	7.23065E-05	1.80019E-14

0.35726352	0.003723849	6.76652E-13	0.99627615	1.81031E-10	7.23065E-05	1.80019E-14
0.35726352	0.003723849	6.76652E-13	0.99627615	1.81031E-10	7.23065E-05	1.80019E-14
0.35726352	0.003723849	6.76652E-13	0.99627615	1.81031E-10	7.23065E-05	1.80019E-14
0.35726352	0.003723849	6.76652E-13	0.99627615	1.81031E-10	7.23065E-05	1.80019E-14
0.35726352	0.003723849	6.76652E-13	0.99627615	1.81031E-10	7.23065E-05	1.80019E-14
0.35726352	0.003723849	6.76652E-13	0.99627615	1.81031E-10	7.23065E-05	1.80019E-14
0.35726352	0.003723849	6.76652E-13	0.99627615	1.81031E-10	7.23065E-05	1.80019E-14
0.35726352	0.003723849	6.76652E-13	0.99627615	1.81031E-10	7.23065E-05	1.80019E-14
0.35726352	0.003723849	6.76652E-13	0.99627615	1.81031E-10	7.23065E-05	1.80019E-14
0.38325039	0.005423351	1.79281E-12	0.99457665	3.2878E-10	0.000106708	4.89327E-14
0.43416147	0.009776598	8.85517E-12	0.9902234	8.96896E-10	0.000198982	2.57984E-13
0.99977909	0.018307478	5.38628E-11	0.98169252	2.88826E-09	0.000398058	1.78092E-12
0.99998099	0.036792303	4.69407E-10	0.96320768	1.22889E-08	0.000921947	2.02876E-11
0.99999581	0.055061086	1.81765E-09	0.94493888	3.11939E-08	0.001584318	1.01389E-10
0.99999581	0.055061086	1.81765E-09	0.94493888	3.11939E-08	0.001584318	1.01389E-10
0.99999581	0.055061086	1.81765E-09	0.94493888	3.11939E-08	0.001584318	1.01389E-10
0.99999581	0.055061086	1.81765E-09	0.94493888	3.11939E-08	0.001584318	1.01389E-10
0.34722402	0	0	1	4.30094E-10	0	0
0.34721644	0.002429001	1.02188E-12	0.997571	4.19677E-10	6.12051E-05	3.43802E-14
0.34721644	0.002429001	1.02188E-12	0.997571	4.19677E-10	6.12051E-05	3.43802E-14
0.34721644	0.002429001	1.02188E-12	0.997571	4.19677E-10	6.12051E-05	3.43802E-14
0.34721644	0.002429001	1.02188E-12	0.997571	4.19677E-10	6.12051E-05	3.43802E-14
0.96375417	0.002429001	1.23509E-12	0.997571	5.07243E-10	6.12051E-05	4.15536E-14
0.96375417	0.002429001	1.23509E-12	0.997571	5.07243E-10	6.12051E-05	4.15536E-14
0.35609681	0.0025993	1.34504E-12	0.9974007	5.16116E-10	6.55789E-05	4.5365E-14
0.36403512	0.002763217	1.72059E-12	0.99723678	6.20958E-10	6.97991E-05	5.81704E-14
0.36403512	0.002763217	1.72059E-12	0.99723678	6.20958E-10	6.97991E-05	5.81704E-14
0.36403512	0.002763217	1.72059E-12	0.99723678	6.20958E-10	6.97991E-05	5.81704E-14
0.36403512	0.002763217	1.72059E-12	0.99723678	6.20958E-10	6.97991E-05	5.81704E-14
0.36403512	0.002763217	1.72059E-12	0.99723678	6.20958E-10	6.97991E-05	5.81704E-14
0.37544453	0.003326864	2.79088E-12	0.99667314	8.36102E-10	8.43881E-05	9.51323E-14
0.4270046	0.006195368	1.49158E-11	0.99380463	2.39265E-09	0.000160518	5.30042E-13
0.99968316	0.012446847	1.08758E-10	0.98755314	8.62906E-09	0.00033769	4.2287E-12
0.99997914	0.029061141	1.43858E-09	0.97093881	4.80631E-08	0.000890108	7.06738E-11
0.99999816	0.062873839	1.90415E-08	0.93712586	2.83811E-07	0.002449739	1.46571E-09
0.99999816	0.062873839	1.90415E-08	0.93712586	2.83811E-07	0.002449739	1.46571E-09
0.99999816	0.062873839	1.90415E-08	0.93712586	2.83811E-07	0.002449739	1.46571E-09
0.99999816	0.062873839	1.90415E-08	0.93712586	2.83811E-07	0.002449739	1.46571E-09
0.33036096	0	0	1	8.32645E-10	0	0
0.33035422	0.001635204	1.34136E-12	0.9983648	8.18963E-10	5.25782E-05	5.61619E-14
0.33035422	0.001635204	1.34136E-12	0.9983648	8.18963E-10	5.25782E-05	5.61619E-14
0.33035422	0.001635204	1.34136E-12	0.9983648	8.18963E-10	5.25782E-05	5.61619E-14
0.33035422	0.001635204	1.34136E-12	0.9983648	8.18963E-10	5.25782E-05	5.61619E-14
0.94602051	0.001635204	2.14179E-12	0.99836479	1.30766E-09	5.25782E-05	8.96753E-14
0.94602051	0.001635204	2.14179E-12	0.99836479	1.30766E-09	5.25782E-05	8.96753E-14
0.35084146	0.001888445	2.44223E-12	0.99811155	1.29081E-09	6.0829E-05	1.02618E-13
0.37339775	0.002226717	4.7815E-12	0.99777328	2.14255E-09	7.18957E-05	2.01866E-13

0.37339775	0.002226717	4.7815E-12	0.99777328	2.14255E-09	7.18957E-05	2.01866E-13
0.37339775	0.002226717	4.7815E-12	0.99777328	2.14255E-09	7.18957E-05	2.01866E-13
0.37339775	0.002226717	4.7815E-12	0.99777328	2.14255E-09	7.18957E-05	2.01866E-13
0.37339775	0.002226717	4.7815E-12	0.99777328	2.14255E-09	7.18957E-05	2.01866E-13
0.37339775	0.002226717	4.7815E-12	0.99777328	2.14255E-09	7.18957E-05	2.01866E-13
0.41983528	0.003987004	2.29654E-11	0.99601299	5.73711E-09	0.000130331	9.93743E-13
0.99952928	0.008457298	1.9288E-10	0.99154268	2.26135E-08	0.00028524	8.88156E-12
0.9999755	0.023091698	3.95854E-09	0.97690813	1.67468E-07	0.000861905	2.22487E-10
0.99999827	0.063831686	1.139E-07	0.93616653	1.67048E-06	0.003129264	1.07258E-08
0.99999865	0.070888913	1.65933E-07	0.92910875	2.17481E-06	0.003637153	1.69752E-08
0.99999865	0.070888913	1.65933E-07	0.92910875	2.17481E-06	0.003637153	1.69752E-08
0.99999865	0.070888913	1.65933E-07	0.92910875	2.17481E-06	0.003637153	1.69752E-08
0.31203809	0	0	1	1.51265E-09	0	0
0.31203175	0.001134033	1.69765E-12	0.99886597	1.49531E-09	4.57748E-05	8.70728E-14
0.31203175	0.001134033	1.69765E-12	0.99886597	1.49531E-09	4.57748E-05	8.70728E-14
0.31203175	0.001134033	1.69765E-12	0.99886597	1.49531E-09	4.57748E-05	8.70728E-14
0.31203175	0.001134033	1.69765E-12	0.99886597	1.49531E-09	4.57748E-05	8.70728E-14
0.91193218	0.001134033	3.56033E-12	0.99886596	3.13597E-09	4.57748E-05	1.8261E-13
0.31789757	0.001174531	1.97827E-12	0.99882547	1.68233E-09	4.74222E-05	1.01521E-13
0.34615909	0.00140926	4.30285E-12	0.99859074	3.04897E-09	5.69883E-05	2.21513E-13
0.37764585	0.001752476	1.05903E-11	0.99824752	6.03244E-09	7.10291E-05	5.47718E-13
0.38304028	0.001819765	1.23426E-11	0.99818023	6.77016E-09	7.37894E-05	6.38923E-13
0.38304028	0.001819765	1.23426E-11	0.99818023	6.77016E-09	7.37894E-05	6.38923E-13
0.38304028	0.001819765	1.23426E-11	0.99818023	6.77016E-09	7.37894E-05	6.38923E-13
0.38304028	0.001819765	1.23426E-11	0.99818023	6.77016E-09	7.37894E-05	6.38923E-13
0.38304028	0.001819765	1.23426E-11	0.99818023	6.77016E-09	7.37894E-05	6.38923E-13
0.41275436	0.00262153	3.32192E-11	0.99737846	1.26385E-08	0.000106867	1.73826E-12
0.99928376	0.005784988	3.09483E-10	0.99421496	5.31882E-08	0.000240816	1.68944E-11
0.9999692	0.018469139	9.8853E-09	0.98153033	5.25348E-07	0.000835475	6.37328E-10
0.99999781	0.061247668	4.89446E-07	0.93874434	7.50175E-06	0.003625094	5.29375E-08
0.99999871	0.07905215	1.22138E-06	0.9209324	1.42287E-05	0.005200384	1.60175E-07
0.99999871	0.07905215	1.22138E-06	0.9209324	1.42287E-05	0.005200384	1.60175E-07
0.99999871	0.07905215	1.22138E-06	0.9209324	1.42287E-05	0.005200384	1.60175E-07
0.29126219	0	0	1	2.58697E-09	0	0
0.29125583	0.000808343	2.07566E-12	0.99919165	2.56571E-09	4.03355E-05	1.28498E-13
0.29125583	0.000808343	2.07566E-12	0.99919165	2.56571E-09	4.03355E-05	1.28498E-13
0.29125583	0.000808343	2.07566E-12	0.99919165	2.56571E-09	4.03355E-05	1.28498E-13
0.29125583	0.000808343	2.07566E-12	0.99919165	2.56571E-09	4.03355E-05	1.28498E-13
0.29125583	0.000808343	2.07566E-12	0.99919165	2.56571E-09	4.03355E-05	1.28498E-13
0.31427421	0.000912378	3.58199E-12	0.99908762	3.92241E-09	4.55564E-05	2.22049E-13
0.34199819	0.001077648	7.38471E-12	0.99892235	6.84524E-09	5.38642E-05	4.58756E-13
0.37306304	0.001320334	1.73318E-11	0.99867965	1.31095E-08	6.60947E-05	1.08006E-12
0.39303394	0.001508166	2.98926E-11	0.99849181	1.97906E-08	7.55862E-05	1.86731E-12
0.39303394	0.001508166	2.98926E-11	0.99849181	1.97906E-08	7.55862E-05	1.86731E-12
0.39303394	0.001508166	2.98926E-11	0.99849181	1.97906E-08	7.55862E-05	1.86731E-12
0.39303394	0.001508166	2.98926E-11	0.99849181	1.97906E-08	7.55862E-05	1.86731E-12
0.39303394	0.001508166	2.98926E-11	0.99849181	1.97906E-08	7.55862E-05	1.86731E-12

0.40578741	0.001765742	4.59683E-11	0.99823423	2.59874E-08	8.8638E-05	2.88104E-12
0.99889604	0.004006036	4.60809E-10	0.99599385	1.14568E-07	0.000203929	2.97218E-11
0.99995897	0.014871275	2.26138E-08	0.9851272	1.49802E-06	0.000809584	1.67211E-09
0.9999971	0.059455316	1.95119E-06	0.94051187	3.08655E-05	0.004204675	2.40662E-07
0.9999986	0.087295786	7.71255E-06	0.91261587	8.06292E-05	0.007173518	1.2518E-06
0.9999986	0.087295786	7.71255E-06	0.91261587	8.06292E-05	0.007173518	1.2518E-06
0.9999986	0.087295786	7.71255E-06	0.91261587	8.06292E-05	0.007173518	1.2518E-06

X-Fe:Va(BCC)	X-Si:Va(BCC)	X-Si(liq)	X-SiO2(liq)	X-Fe(liq)	X-Fe3O4(liq)	X-FeO(liq)	X-SiO2(s)
1	2.42978E-11	0	0	0	0	0	0
0.9998949	2.41862E-11	0	0	0	0	0	0
0.9998949	2.41862E-11	0	0	0	0	0	0
0.9998949	2.41862E-11	0	0	0	0	0	0
0.9998949	2.41862E-11	0	0	0	0	0	0
0.9998949	2.41862E-11	0	0	0	0	0	0
0.9998949	2.41862E-11	0	0	0	0	0	0
0.9998949	2.41862E-11	0	0	0	0	0	0
0.9998949	2.41862E-11	0	0	0	0	0	0
0.9998949	2.41862E-11	0	0	0	0	0	0
0.9998949	2.41862E-11	0	0	0	0	0	0
0.9998949	2.41862E-11	0	0	0	0	0	0
0.99989374	2.45821E-11	0	0	0	0	0	0
0.99981458	5.79536E-11	0	0	0	0	0	0
0.99969502	1.32361E-10	0	0	0	0	0	0
0.99945918	3.63804E-10	0	0	0	0	0	0
0.99942249	4.10071E-10	0	0	0	0	0	0
0.99942249	4.10071E-10	0	0	0	0	0	0
0.99942249	4.10071E-10	0	0	0	0	0	0
0.99942249	4.10071E-10	0	0	0	0	0	0
0.99942249	4.10071E-10	0	0	0	0	0	0
1	8.28872E-11	0	0	0	0	0	0
0.99991334	8.25863E-11	0	0	0	0	0	0
0.99991334	8.25863E-11	0	0	0	0	0	0
0.99991334	8.25863E-11	0	0	0	0	0	0
0.99991334	8.25863E-11	0	0	0	0	0	0
0.99991334	8.25863E-11	0	0	0	0	0	0
0.99991334	8.25863E-11	0	0	0	0	0	0
0.99991334	8.25863E-11	0	0	0	0	0	0
0.99991334	8.25863E-11	0	0	0	0	0	0
0.99991334	8.25863E-11	0	0	0	0	0	0
0.99991334	8.25863E-11	0	0	0	0	0	0
0.99991334	8.25863E-11	0	0	0	0	0	0
0.99991334	8.25863E-11	0	0	0	0	0	0
0.99986377	1.66916E-10	0	0	0	0	0	0
0.99975303	4.48679E-10	0	0	0	0	0	0
0.99953417	1.38599E-09	0	0	0	0	0	0
0.99903982	5.41626E-09	0	0	0	0	0	0
0.99901977	5.63708E-09	0	0	0	0	0	0
0.99901977	5.63708E-09	0	0	0	0	0	0
0.99901977	5.63708E-09	0	0	0	0	0	0
0.99901977	5.63708E-09	0	0	0	0	0	0
1	2.50299E-10	0	0	0	0	0	0
0.99992769	2.48949E-10	0	0	0	0	0	0
0.99992769	2.48949E-10	0	0	0	0	0	0
0.99992769	2.48949E-10	0	0	0	0	0	0

0.99992769	2.48949E-10	0	0	0	0	0	0
0.99992769	2.48949E-10	0	0	0	0	0	0
0.99992769	2.48949E-10	0	0	0	0	0	0
0.99992769	2.48949E-10	0	0	0	0	0	0
0.99992769	2.48949E-10	0	0	0	0	0	0
0.99992769	2.48949E-10	0	0	0	0	0	0
0.99992769	2.48949E-10	0	0	0	0	0	0
0.99992769	2.48949E-10	0	0	0	0	0	0
0.99992769	2.48949E-10	0	0	0	0	0	0
0.99992769	2.48949E-10	0	0	0	0	0	0
0.99989329	4.58516E-10	0	0	0	0	0	0
0.99980102	1.29626E-09	0	0	0	0	0	0
0.99960194	4.47224E-09	0	0	0	0	0	0
0.99907803	2.19848E-08	0	0	0	0	0	0
0.99841562	6.38941E-08	0	0	0	0	0	0
0.99841562	6.38941E-08	0	0	0	0	0	0
0.99841562	6.38941E-08	0	0	0	0	0	0
0.99841562	6.38941E-08	0	0	0	0	0	0
1	5.64323E-10	0	0	0	0	0	0
0.99993879	5.61686E-10	0	0	0	0	0	0
0.99993879	5.61686E-10	0	0	0	0	0	0
0.99993879	5.61686E-10	0	0	0	0	0	0
0.99993879	5.61686E-10	0	0	0	0	0	0
0.99993879	6.78883E-10	0	0	0	0	0	0
0.99993879	6.78883E-10	0	0	0	0	0	0
0.99993442	6.91716E-10	0	0	0	0	0	0
0.9999302	8.3334E-10	0	0	0	0	0	0
0.9999302	8.3334E-10	0	0	0	0	0	0
0.9999302	8.3334E-10	0	0	0	0	0	0
0.9999302	8.3334E-10	0	0	0	0	0	0
0.9999302	8.3334E-10	0	0	0	0	0	0
0.99991561	1.12722E-09	0	0	0	0	0	0
0.99983948	3.30155E-09	0	0	0	0	0	0
0.9996623	1.25182E-08	0	0	0	0	0	0
0.99910981	7.93285E-08	0	0	0	0	0	0
0.99754966	5.96845E-07	0	0	0	0	0	0
0.99754966	5.96845E-07	0	0	0	0	0	0
0.99754966	5.96845E-07	0	0	0	0	0	0
0.99754966	5.96845E-07	0	0	0	0	0	0
1	1.07183E-09	0	0	0	0	0	0
0.99994742	1.0681E-09	0	0	0	0	0	0
0.99994742	1.0681E-09	0	0	0	0	0	0
0.99994742	1.0681E-09	0	0	0	0	0	0
0.99994742	1.0681E-09	0	0	0	0	0	0
0.99994742	1.70547E-09	0	0	0	0	0	0
0.99994742	1.70547E-09	0	0	0	0	0	0
0.99993917	1.68689E-09	0	0	0	0	0	0
0.9999281	2.80756E-09	0	0	0	0	0	0

0.99991133	3.25005E-08	0	0	0	0	0	0
0.99979593	1.45716E-07	0	0	0	0	0	0
0.99918835	2.06372E-06	0	0	0	0	0	0
0.99573809	5.69928E-05	0	0	0	0	0	0
0.99265201	0.000173221	0	0	0	0	0	0
0.99265201	0.000173221	0	0	0	0	0	0
0.99265201	0.000173221	0	0	0	0	0	0

X-Fe3O4(s2)	X-FeO(s)	Mol-GAS	Mol-T-SLAG	Mol-tel-FCC	Mol-tel-BCC	Mol-tel-BCC2	g-GAS
0	0	0	0	0	0	0	0
0	0	49978.808	0	0	67208.639	0	1675593.4
0	0	99957.616	0	0	134417.28	0	3351186.8
0	0	149936.42	0	0	201625.92	0	5026780.2
0	0	199915.23	0	0	268834.56	0	6702373.6
0	0	249894.04	0	0	336043.19	0	8377966.9
0	0	299872.85	0	0	403251.83	0	10053560
0	0	349851.66	0	0	470460.47	0	11729154
0	0	399830.47	0	0	537669.11	0	13404747
0	0	449809.27	0	0	604877.75	0	15080340
0	0	499788.08	0	0	672086.39	0	16755934
0	0	549766.89	0	0	739295.03	0	18431527
0	0	599743.26	0	0	805399	0	20089417
0	0	642582.83	0	453465.83	351933.17	0	20603964
0	0	680374.86	0	805399	0	0	21057884
0	0	719112.47	0	805399	0	0	21523161
0	0	723065.01	0	805399	0	0	21570635
0	0	723065.01	0	805399	0	0	21570635
0	0	723065.01	0	805399	0	0	21570635
0	0	723065.01	0	805399	0	0	21570635
0	0	723065.01	0	805399	0	0	21570635
0	0	0	0	0	0	0	0
0	0	49982.781	0	0	66231.898	0	1660013.8
0	0	99965.563	0	0	132463.8	0	3320027.7
0	0	149948.34	0	0	198695.69	0	4980041.5
0	0	199931.13	0	0	264927.59	0	6640055.4
0	0	249913.91	0	0	331159.49	0	8300069.2
0	0	299896.69	0	0	397391.39	0	9960083
0	0	349879.47	0	0	463623.28	0	11620097
0	0	399862.25	0	0	529855.18	0	13280111
0	0	449845.03	0	0	596087.08	0	14940125
0	0	499827.81	0	0	662318.98	0	16600138
0	0	549810.6	0	0	728550.88	0	18260152
0	0	599793.38	0	0	794782.77	0	19920166
0	0	642736.81	0	805399	0	0	20605813
0	0	687512.09	0	805399	0	0	21143609
0	0	728494.36	0	805399	0	0	21635847
0	0	762305.7	0	805399	0	0	22041955
0	0	763064.59	0	805399	0	0	22051070
0	0	763064.59	0	805399	0	0	22051070
0	0	763064.59	0	805399	0	0	22051070
0	0	763064.59	0	805399	0	0	22051070
0	0	0	0	0	0	0	0
0	0	49757.546	0	65108.384	0	0	1639333
0	0	99515.092	0	130216.77	0	0	3278666
0	0	149272.64	0	195325.15	0	0	4917999

0	0	199030.18	0	260433.54	0	0	6557332
0	0	248787.73	0	325541.92	0	0	8196665
0	0	298545.28	0	390650.31	0	0	9835998
0	0	348302.82	0	455758.69	0	0	11475331
0	0	398060.37	0	520867.07	0	0	13114664
0	0	447817.92	0	585975.46	0	0	14753997
0	0	497575.46	0	651083.84	0	0	16393330
0	0	547333.01	0	716192.23	0	0	18032663
0	0	597090.55	0	781300.61	0	0	19671996
0	0	645632.04	0	805399	0	0	20640588
0	0	692125.94	0	805399	0	0	21199026
0	0	735255.18	0	805399	0	0	21717051
0	0	770367.52	0	805399.01	0	0	22138786
0	0	784078.78	0	805399.03	0	0	22303472
0	0	784078.78	0	805399.03	0	0	22303472
0	0	784078.78	0	805399.03	0	0	22303472
0	0	784078.78	0	805399.03	0	0	22303472
0	0	0	560447.98	3430.6903	0	0	0
0	0	49835.023	560460.22	67919.59	0	0	1630274
0	0	99678.365	560460.22	132414.36	0	0	3260820.1
0	0	149521.71	560460.22	196909.14	0	0	4891366.1
0	0	199365.05	560460.22	261403.91	0	0	6521912.2
0	0	249216.71	0	322473.87	0	0	8152730.5
0	0	299060.05	0	386968.64	0	0	9783276.6
0	0	348828.96	546483.41	450522.31	0	0	11349965
0	0	398591.44	461275.12	509753.13	0	0	12906570
0	0	448417.5	363062.39	572700.78	0	0	14519960
0	0	498243.57	264849.66	635648.44	0	0	16133351
0	0	548069.63	166636.93	698596.1	0	0	17746741
0	0	597895.69	68424.202	761543.76	0	0	19360131
0	0	647320.55	0	805399	0	0	20660868
0	0	695010.26	0	805399	0	0	21233669
0	0	739975.32	0	805399.01	0	0	21773745
0	0	776594.18	0	805399.04	0	0	22213575
0	0	794448.97	0	805399.24	0	0	22428036
0	0	794448.97	0	805399.24	0	0	22428036
0	0	794448.97	0	805399.24	0	0	22428036
0	0	794448.97	0	805399.24	0	0	22428036
0	0	0	589055.67	4140.9325	0	0	0
0	0	49888.735	589067.7	68043.284	0	0	1621548.1
0	0	99784.234	589067.7	131950.25	0	0	3243316.1
0	0	149679.73	589067.7	195857.22	0	0	4865084.1
0	0	199575.23	589067.7	259764.18	0	0	6486852.1
0	0	249477.5	0	319534.83	0	0	8108839.9
0	0	299372.99	0	383441.8	0	0	9730607.9
0	0	349164.69	554669.33	442324.65	0	0	11222652
0	0	398900	493721.64	494000.66	0	0	12662404

0	0	448763.95	396848.6	555100.08	0	0	14245250
0	0	498627.9	299975.57	616199.49	0	0	15828097
0	0	548491.85	203102.53	677298.9	0	0	17410943
0	0	598355.8	106229.5	738398.32	0	0	18993789
0	0	648219.74	9356.4592	799497.73	0	0	20576636
0	0	696788.87	0	805399	0	0	21255032
0	0	743188.5	0	805399.02	0	0	21812339
0	0	781401.96	0	805399.14	0	0	22271325
0	0	798589.84	0	805400.44	0	0	22477810
0	0	799568.57	0	805400.89	0	0	22489580
0	0	799568.57	0	805400.89	0	0	22489580
0	0	799568.57	0	805400.89	0	0	22489580
0	0	0	623645.02	5147.5598	0	0	0
0	0	49922.322	623657.69	68497.353	0	0	1613118.3
0	0	99850.477	623657.69	131850.96	0	0	3226425
0	0	149778.63	623657.69	195204.56	0	0	4839731.8
0	0	199706.79	623657.69	258558.17	0	0	6453038.6
0	0	249640.77	0	316768.02	0	0	8066533.8
0	0	299549.97	612150.01	383156.26	0	0	9653068.1
0	0	349387.23	562172.14	434815.3	0	0	11105075
0	0	399153.88	515300.23	482816.24	0	0	12488872
0	0	449017	427500.77	540179.82	0	0	14012203
0	0	498908.67	331548.45	599708.12	0	0	15569142
0	0	548800.34	235596.13	659236.43	0	0	17126081
0	0	598692.02	139643.8	718764.74	0	0	18683020
0	0	648583.69	43691.48	778293.05	0	0	20239960
0	0	697888.62	0	805399.01	0	0	21268242
0	0	745340.78	0	805399.04	0	0	21838191
0	0	785124.96	0	805399.43	0	0	22316051
0	0	800670.4	0	805405.44	0	0	22502960
0	0	802184.45	0	805411.44	0	0	22521337
0	0	802184.45	0	805411.44	0	0	22521337
0	0	802184.45	0	805411.44	0	0	22521337
0	0	0	668129.97	6646.004	0	0	0
0	0	49943.837	668144.56	69479.623	0	0	1605120.5
0	0	99893.043	668144.55	132316.55	0	0	3210413.5
0	0	149842.25	668144.55	195153.47	0	0	4815706.6
0	0	199791.46	668144.55	257990.4	0	0	6420999.6
0	0	249740.66	668144.55	320827.32	0	0	8026292.7
0	0	299656.81	619207.66	376151.76	0	0	9543134.1
0	0	349538.79	569011.77	427976.11	0	0	10997479
0	0	399370.89	521630.33	476479.26	0	0	12389981
0	0	449204.32	455554.17	527579.04	0	0	13815318
0	0	499116.55	360122.01	585778.4	0	0	15350372
0	0	549028.77	264689.86	643977.75	0	0	16885427
0	0	598941	169257.7	702177.11	0	0	18420482
0	0	648853.23	73825.542	760376.47	0	0	19955537

0	0	698577.87	0	805399.02	0	0	21276521
0	0	746773.54	0	805399.09	0	0	21855401
0	0	788022.65	0	805400.22	0	0	22350881
0	0	802111.6	0	805425.43	0	0	22520910
0	0	803667.58	0	805470.16	0	0	22541030
0	0	803667.58	0	805470.16	0	0	22541030
0	0	803667.58	0	805470.16	0	0	22541030

g-T-SLAG	g-tel-FCC	g-tel-BCC	g-tel-BCC2	a-GAS	a-T-SLAG	a-tel-FCC	a-tel-BCC
0	0	0	0	0	0.7491664	0.98365362	0.99999993
0	0	3753655.4	0	1	0.74916802	0.99316117	1
0	0	7507310.8	0	1	0.74916802	0.99316117	1
0	0	11260966	0	1	0.74916802	0.99316117	1
0	0	15014622	0	1	0.74916802	0.99316117	1
0	0	18768277	0	1	0.74916802	0.99316117	1
0	0	22521932	0	1	0.74916802	0.99316117	1
0	0	26275588	0	1	0.74916802	0.99316117	1
0	0	30029243	0	1	0.74916802	0.99316117	1
0	0	33782899	0	1	0.74916802	0.99316117	1
0	0	37536554	0	1	0.74916802	0.99316117	1
0	0	41290209	0	1	0.74916802	0.99316117	1
0	0	44982202	0	1	0.74503775	0.99326185	1
0	25411443	19656763	0	1	0.56291132	1	1
0	45214836	0	0	1	0.68667679	1	0.99046843
0	45350108	0	0	1	0.68659424	1	0.97364419
0	45368816	0	0	1	0.68659076	1	0.9712201
0	45368816	0	0	1	0.68659076	1	0.9712201
0	45368816	0	0	1	0.68659076	1	0.9712201
0	45368816	0	0	1	0.68659076	1	0.9712201
0	45368816	0	0	1	0.68659076	1	0.9712201
0	0	0	0	0	0.85508171	0.9928852	0.99999993
0	0	3699059.6	0	1	0.85508312	0.99863191	1
0	0	7398119.2	0	1	0.85508312	0.99863191	1
0	0	11097179	0	1	0.85508312	0.99863191	1
0	0	14796238	0	1	0.85508312	0.99863191	1
0	0	18495298	0	1	0.85508314	0.99863191	1
0	0	22194358	0	1	0.85508312	0.99863191	1
0	0	25893417	0	1	0.85508312	0.99863191	1
0	0	29592477	0	1	0.85508312	0.99863191	1
0	0	33291537	0	1	0.85508312	0.99863191	1
0	0	36990596	0	1	0.85508312	0.99863191	1
0	0	40689656	0	1	0.85508312	0.99863191	1
0	0	44388715	0	1	0.85508312	0.99863191	1
0	45066356	0	0	1	0.67655865	1	0.99818998
0	45129110	0	0	1	0.50021668	1	0.99140044
0	45237422	0	0	1	0.71692038	1	0.97905349
0	45431864	0	0	1	0.71689641	1	0.95502098
0	45438705	0	0	1	0.71689621	1	0.95413454
0	45438705	0	0	1	0.71689621	1	0.95413454
0	45438705	0	0	1	0.71689621	1	0.95413454
0	45438705	0	0	1	0.71689621	1	0.95413454
0	0	0	0	0	0.9631374	0.998932	0.99999993
0	3639020.1	0	0	1	0.96315324	1	0.99750856
0	7278040.1	0	0	1	0.96315324	1	0.99750856
0	10917060	0	0	1	0.96315324	1	0.99750856

0	14556080	0	0	1	0.96315324	1	0.99750856
0	18195100	0	0	1	0.96315324	1	0.99750856
0	21834120	0	0	1	0.96315324	1	0.99750856
0	25473140	0	0	1	0.96315324	1	0.99750856
0	29112160	0	0	1	0.96315324	1	0.99750856
0	32751181	0	0	1	0.96315324	1	0.99750856
0	36390201	0	0	1	0.96315324	1	0.99750856
0	40029221	0	0	1	0.96315324	1	0.99750856
0	43668241	0	0	1	0.96315324	1	0.99750856
0	45031582	0	0	1	0.78408365	1	0.99585486
0	45073693	0	0	1	0.5686718	1	0.99153797
0	45156218	0	0	1	0.74250428	1	0.9827486
0	45335034	0	0	1	0.74246852	1	0.96228677
0	45511760	0	0	1	0.74246561	1	0.94032605
0	45511760	0	0	1	0.74246561	1	0.94032605
0	45511760	0	0	1	0.74246561	1	0.94032605
0	45511760	0	0	1	0.74246561	1	0.94032605
38278624	191593.76	0	0	0	1	1	0.99721883
38279933	3795086.9	0	0	1	1	1	0.99495934
38279933	7398808.1	0	0	1	1	1	0.99495934
38279933	11002529	0	0	1	1	1	0.99495934
38279933	14606251	0	0	1	1	1	0.99495934
0	18018606	0	0	1	0.77110404	1	0.99495934
0	21622328	0	0	1	0.77110404	1	0.99495934
37236983	25174385	0	0	1	1	1	0.99479965
31367124	28485101	0	0	1	1	1	0.99464579
24688570	32002628	0	0	1	1	1	0.99464579
18010016	35520155	0	0	1	1	1	0.99464579
11331461	39037682	0	0	1	1	1	0.99464579
4652907.4	42555209	0	0	1	1	1	0.99464579
0	45011301	0	0	1	0.90313539	1	0.99411553
0	45039050	0	0	1	0.64472425	1	0.99138894
0	45099525	0	0	1	0.76504969	1	0.98528699
0	45260246	0	0	1	0.7649942	1	0.96805497
0	45587345	0	0	1	0.76498985	1	0.92894685
0	45587345	0	0	1	0.76498985	1	0.92894685
0	45587345	0	0	1	0.76498985	1	0.92894685
0	45587345	0	0	1	0.76498985	1	0.92894685
40396376	231258.66	0	0	0	1	1	0.99493614
40397595	3801349.7	0	0	1	1	1	0.99345728
40397595	7371617.2	0	0	1	1	1	0.99345728
40397595	10941885	0	0	1	1	1	0.99345728
40397595	14512152	0	0	1	1	1	0.99345728
0	17851338	0	0	1	0.79541191	1	0.99345728
0	21421605	0	0	1	0.79541191	1	0.99345728
37826144	24712537	0	0	1	1	1	0.99322699
33482162	27601667	0	0	1	1	1	0.99291884

26912633	31015520	0	0	1	1	1	0.99291884
20343104	34429373	0	0	1	1	1	0.99291884
13773575	37843226	0	0	1	1	1	0.99291884
7204045.5	41257079	0	0	1	1	1	0.99291884
634516.41	44670932	0	0	1	1	1	0.99291884
0	45017687	0	0	1	0.72863612	1	0.99130567
0	45060931	0	0	1	0.7863783	1	0.9871369
0	45202503	0	0	1	0.78628952	1	0.97279509
0	45596646	0	0	1	0.78628344	1	0.9279712
0	45664929	0	0	1	0.7862833	1	0.91958964
0	45664929	0	0	1	0.7862833	1	0.91958964
0	45664929	0	0	1	0.7862833	1	0.91958964
42969924	287475.77	0	0	0	1	1	0.9937781
42971150	3826304.7	0	0	1	1	1	0.99278348
42971150	7365276.4	0	0	1	1	1	0.99278348
42971150	10904248	0	0	1	1	1	0.99278348
42971149	14443220	0	0	1	1	1	0.99278348
0	17694858	0	0	1	0.82024248	1	0.99278348
42104182	21403533	0	0	1	1	1	0.99274784
38365768	24290490	0	0	1	1	1	0.99254115
34899010	26974001	0	0	1	1	1	0.99223846
28917342	30179229	0	0	1	1	1	0.99217905
22426860	33505008	0	0	1	1	1	0.99217905
15936378	36830786	0	0	1	1	1	0.99217905
9445895.5	40156564	0	0	1	1	1	0.99217905
2955413.3	43482343	0	0	1	1	1	0.99217905
0	45004478	0	0	1	0.8197789	1	0.99146951
0	45035081	0	0	1	0.80659328	1	0.9886403
0	45157794	0	0	1	0.80644845	1	0.97683787
0	45571797	0	0	1	0.80643958	1	0.93233054
0	45744214	0	0	1	0.80643917	1	0.91208846
0	45744214	0	0	1	0.80643917	1	0.91208846
0	45744214	0	0	1	0.80643917	1	0.91208846
46297639	371159.39	0	0	0	1	1	0.99344328
46298990	3880903.1	0	0	1	1	1	0.99275843
46298990	7390766.9	0	0	1	1	1	0.99275843
46298990	10900631	0	0	1	1	1	0.99275843
46298990	14410495	0	0	1	1	1	0.99275843
46298990	17920359	0	0	1	1	1	0.99275843
42606579	21011070	0	0	1	1	1	0.99267008
38857132	23906721	0	0	1	1	1	0.99252964
35354409	26617493	0	0	1	1	1	0.9923232
30739377	29473263	0	0	1	1	1	0.99216325
24299912	32724577	0	0	1	1	1	0.99216325
17860447	35975891	0	0	1	1	1	0.99216325
11420982	39227204	0	0	1	1	1	0.99216325
4981517.7	42478518	0	0	1	1	1	0.99216325

0	44996200	0	0	1	0.91756342	1	0.99194366
0	45017874	0	0	1	0.82579638	1	0.99002181
0	45123012	0	0	1	0.82555802	1	0.98040673
0	45555048	0	0	1	0.82554447	1	0.93655216
0	45825735	0	0	1	0.8255437	1	0.90643803
0	45825735	0	0	1	0.8255437	1	0.90643803
0	45825735	0	0	1	0.8255437	1	0.90643803

0.98342868	<-not-calctd.->	<-not-calctd.->	<-not-calctd.->	<-not-calctd.->	<-not-calctd.->
0.97894267	<-not-calctd.->	<-not-calctd.->	<-not-calctd.->	<-not-calctd.->	<-not-calctd.->
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0.85454181	<-not-calctd.->	<-not-calctd.->	<-not-calctd.->	<-not-calctd.->	<-not-calctd.->
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0.78504668	<-not-calctd.->	<-not-calctd.->	<-not-calctd.->	<-not-calctd.->	<-not-calctd.->