

Input used in your Steady_State experiment for project Demo_SS

This run was submitted by SCA_member, E-mail webmaster@scaweb.org

Gridblocks 50 Vert/Hor V LevJ OFF

Core_length 5 CM Core_diam 1 INCH
 Porosity 0.25 Permeability 250 MDARCY

Swi 0.18

Sw krw
 0.15 0
 0.18 3.00E-05
 0.25 0.001
 0.5 0.05
 0.72 0.2
 0.8 0.3

Sw kro
 0.15 0.7
 0.2 0.47
 0.3 0.1
 0.62 0.001
 0.72 2.00E-05
 0.8 0

Sw Pc
 0.15 1 BAR
 0.18 0 BAR
 0.2 -0.1 BAR
 0.75 -0.15 BAR
 0.8 -1 BAR

Water_density 1.05 G/CM3 Oil_density 0.7 G/CM3

Water_visc 0.001 PA*S Oil_visc 0.001 PA*S

IFT 0.03 N/M

Injection_rate 100 CM3/DAY

time(HOUR) frac_flow
 0 0
 0.5 0.1
 2 0.5
 12 1

T_end 15 HOUR

Start_timestep 0.1 S Max_timestep 10 MINUTE

Max_sat_change 0.02

Table 'prod_table' contents; generated on Tue 30/11/1999 23:39 from run 'scores_Demo_SS'

	time	meansat	P_inj_wat	P_prod_wat	P_inj_oil	P_prod_oil	delta_P_w
	HOUR	M3/M3	BAR	BAR	BAR	BAR	BAR
1	2.78E-05	0.18	1.01E+00	1.00E+00	1.01E+00	1.00E+00	1.14E-02
2	8.33E-05	0.18	1.01E+00	1.00E+00	1.01E+00	1.00E+00	1.14E-02
3	1.94E-04	0.18	1.01E+00	1.00E+00	1.01E+00	1.00E+00	1.14E-02
4	4.17E-04	0.18	1.01E+00	1.00E+00	1.01E+00	1.00E+00	1.14E-02
5	8.61E-04	0.18	1.01E+00	1.00E+00	1.01E+00	1.00E+00	1.13E-02
6	1.75E-03	0.18	1.01E+00	1.00E+00	1.01E+00	1.00E+00	1.13E-02
7	3.53E-03	0.18	1.01E+00	1.00E+00	1.01E+00	1.00E+00	1.13E-02

8	7.08E-03	0.18	1.01E+00	1.00E+00	1.01E+00	1.00E+00	1.13E-02
9	1.42E-02	0.18	1.01E+00	1.00E+00	1.01E+00	1.00E+00	1.12E-02
10	2.84E-02	0.18	1.01E+00	1.00E+00	1.01E+00	1.00E+00	1.12E-02
11	5.69E-02	0.18	1.01E+00	1.00E+00	1.01E+00	1.00E+00	1.11E-02
12	1.14E-01	0.18	1.01E+00	1.00E+00	1.01E+00	1.00E+00	1.09E-02
13	2.28E-01	0.18	1.01E+00	1.00E+00	1.01E+00	1.00E+00	1.08E-02
14	3.94E-01	0.18	1.01E+00	1.00E+00	1.01E+00	1.00E+00	1.06E-02
15	5.00E-01	0.18	1.01E+00	1.00E+00	1.01E+00	1.00E+00	1.05E-02
16	5.00E-01	0.18	1.01E+00	1.00E+00	1.01E+00	1.00E+00	1.26E-02
17	5.00E-01	0.18	1.01E+00	1.00E+00	1.01E+00	1.00E+00	1.18E-02
18	5.00E-01	0.18	1.01E+00	1.00E+00	1.01E+00	1.00E+00	1.14E-02
19	5.01E-01	0.18	1.01E+00	1.00E+00	1.01E+00	1.00E+00	1.14E-02
20	5.01E-01	0.18	1.01E+00	1.00E+00	1.01E+00	1.00E+00	1.14E-02
21	5.03E-01	0.18	1.01E+00	1.00E+00	1.01E+00	1.00E+00	1.14E-02
22	5.05E-01	0.18	1.01E+00	1.00E+00	1.01E+00	1.00E+00	1.14E-02
23	5.11E-01	0.18	1.01E+00	1.00E+00	1.01E+00	1.00E+00	1.14E-02
24	5.21E-01	0.18	1.01E+00	1.00E+00	1.01E+00	1.00E+00	1.14E-02
25	5.43E-01	0.18	1.01E+00	1.00E+00	1.01E+00	1.00E+00	1.14E-02
26	5.85E-01	0.18	1.01E+00	1.00E+00	1.01E+00	1.00E+00	1.14E-02
27	6.71E-01	0.1823	1.12E+00	1.00E+00	1.01E+00	1.00E+00	1.19E-01
28	6.77E-01	0.1827	1.12E+00	1.00E+00	1.01E+00	1.00E+00	1.23E-01
29	6.82E-01	0.1831	1.12E+00	1.00E+00	1.01E+00	1.00E+00	1.24E-01
30	6.91E-01	0.1837	1.13E+00	1.00E+00	1.01E+00	1.00E+00	1.25E-01
31	7.10E-01	0.1849	1.13E+00	1.00E+00	1.01E+00	1.00E+00	1.27E-01
32	7.46E-01	0.1873	1.13E+00	1.00E+00	1.01E+00	1.00E+00	1.29E-01
33	7.89E-01	0.1901	1.13E+00	1.00E+00	1.01E+00	1.00E+00	1.31E-01
34	8.41E-01	0.1935	1.13E+00	1.00E+00	1.01E+00	1.00E+00	1.33E-01
35	9.14E-01	0.1983	1.14E+00	1.00E+00	1.02E+00	1.00E+00	1.35E-01
36	9.81E-01	0.2028	1.14E+00	1.00E+00	1.02E+00	1.00E+00	1.37E-01
37	1.07E+00	0.2084	1.14E+00	1.00E+00	1.02E+00	1.00E+00	1.39E-01
38	1.14E+00	0.2131	1.14E+00	1.00E+00	1.02E+00	1.00E+00	1.40E-01
39	1.22E+00	0.2183	1.14E+00	1.00E+00	1.02E+00	1.00E+00	1.42E-01
40	1.32E+00	0.2247	1.14E+00	1.00E+00	1.02E+00	1.00E+00	1.44E-01
41	1.40E+00	0.2304	1.15E+00	1.00E+00	1.03E+00	1.00E+00	1.46E-01
42	1.50E+00	0.2366	1.15E+00	1.00E+00	1.03E+00	1.00E+00	1.48E-01
43	1.58E+00	0.2423	1.15E+00	1.00E+00	1.03E+00	1.00E+00	1.49E-01
44	1.68E+00	0.2484	1.15E+00	1.00E+00	1.03E+00	1.00E+00	1.51E-01
45	1.78E+00	0.2552	1.15E+00	1.00E+00	1.03E+00	1.00E+00	1.53E-01
46	1.89E+00	0.2624	1.16E+00	1.00E+00	1.03E+00	1.00E+00	1.55E-01
47	2.00E+00	0.2692	1.16E+00	1.00E+00	1.04E+00	1.00E+00	1.57E-01
48	2.00E+00	0.2695	1.16E+00	1.00E+00	1.04E+00	1.00E+00	1.57E-01
49	2.00E+00	0.2695	1.16E+00	1.00E+00	1.04E+00	1.00E+00	1.57E-01
50	2.00E+00	0.2695	1.16E+00	1.00E+00	1.04E+00	1.00E+00	1.57E-01
51	2.00E+00	0.2696	1.16E+00	1.00E+00	1.04E+00	1.00E+00	1.58E-01
52	2.00E+00	0.2697	1.16E+00	1.00E+00	1.04E+00	1.00E+00	1.58E-01
53	2.00E+00	0.2699	1.16E+00	1.00E+00	1.04E+00	1.00E+00	1.59E-01
54	2.00E+00	0.2703	1.16E+00	1.00E+00	1.04E+00	1.00E+00	1.59E-01
55	2.01E+00	0.2712	1.16E+00	1.00E+00	1.04E+00	1.00E+00	1.60E-01
56	2.01E+00	0.273	1.16E+00	1.00E+00	1.04E+00	1.00E+00	1.61E-01
57	2.02E+00	0.2759	1.16E+00	1.00E+00	1.04E+00	1.00E+00	1.62E-01
58	2.03E+00	0.2804	1.16E+00	1.00E+00	1.04E+00	1.00E+00	1.63E-01
59	2.05E+00	0.2871	1.16E+00	1.00E+00	1.04E+00	1.00E+00	1.65E-01
60	2.08E+00	0.2963	1.17E+00	1.00E+00	1.04E+00	1.00E+00	1.67E-01
61	2.12E+00	0.3087	1.17E+00	1.00E+00	1.05E+00	1.00E+00	1.70E-01

62	2.17E+00	0.3244	1.17E+00	1.00E+00	1.05E+00	1.00E+00	1.73E-01
63	2.23E+00	0.3441	1.18E+00	1.00E+00	1.05E+00	1.00E+00	1.78E-01
64	2.26E+00	0.3547	1.18E+00	1.00E+00	1.06E+00	1.00E+00	1.81E-01
65	2.30E+00	0.3673	1.18E+00	1.00E+00	1.06E+00	1.00E+00	1.83E-01
66	2.33E+00	0.3765	1.19E+00	1.00E+00	1.06E+00	1.00E+00	1.85E-01
67	2.35E+00	0.3847	1.19E+00	1.00E+00	1.06E+00	1.00E+00	1.86E-01
68	2.38E+00	0.3923	1.19E+00	1.00E+00	1.07E+00	1.00E+00	1.87E-01
69	2.40E+00	0.3994	1.19E+00	1.01E+00	1.07E+00	1.00E+00	1.86E-01
70	2.42E+00	0.4057	1.19E+00	1.01E+00	1.07E+00	1.00E+00	1.84E-01
71	2.44E+00	0.411	1.20E+00	1.02E+00	1.07E+00	1.00E+00	1.79E-01
72	2.47E+00	0.4166	1.20E+00	1.03E+00	1.07E+00	1.00E+00	1.72E-01
73	2.50E+00	0.4207	1.20E+00	1.03E+00	1.07E+00	1.00E+00	1.63E-01
74	2.53E+00	0.4234	1.20E+00	1.04E+00	1.07E+00	1.00E+00	1.58E-01
75	2.58E+00	0.4261	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.53E-01
76	2.60E+00	0.4269	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.52E-01
77	2.64E+00	0.4277	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.50E-01
78	2.68E+00	0.4281	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
79	2.73E+00	0.4283	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
80	2.80E+00	0.4284	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
81	2.94E+00	0.4284	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
82	3.21E+00	0.4284	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
83	3.49E+00	0.4284	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
84	3.76E+00	0.4284	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
85	4.04E+00	0.4284	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
86	4.32E+00	0.4284	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
87	4.60E+00	0.4284	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
88	4.88E+00	0.4284	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
89	5.15E+00	0.4284	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
90	5.43E+00	0.4284	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
91	5.71E+00	0.4284	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
92	5.99E+00	0.4284	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
93	6.26E+00	0.4284	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
94	6.54E+00	0.4284	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
95	6.82E+00	0.4284	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
96	7.10E+00	0.4284	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
97	7.38E+00	0.4284	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
98	7.65E+00	0.4284	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
99	7.93E+00	0.4284	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
100	8.21E+00	0.4284	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
101	8.49E+00	0.4284	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
102	8.76E+00	0.4284	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
103	9.04E+00	0.4284	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
104	9.32E+00	0.4284	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
105	9.60E+00	0.4284	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
106	9.88E+00	0.4284	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
107	1.02E+01	0.4284	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
108	1.04E+01	0.4284	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
109	1.07E+01	0.4284	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
110	1.10E+01	0.4284	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
111	1.13E+01	0.4284	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
112	1.15E+01	0.4284	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
113	1.18E+01	0.4284	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
114	1.20E+01	0.4284	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
115	1.20E+01	0.4285	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01

116	1.20E+01	0.4286	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
117	1.20E+01	0.4288	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
118	1.20E+01	0.4292	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
119	1.20E+01	0.4297	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
120	1.20E+01	0.4306	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
121	1.20E+01	0.4319	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
122	1.20E+01	0.4342	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
123	1.20E+01	0.4371	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.49E-01
124	1.20E+01	0.4423	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.48E-01
125	1.21E+01	0.4491	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.48E-01
126	1.21E+01	0.4599	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.47E-01
127	1.21E+01	0.4738	1.20E+00	1.05E+00	1.07E+00	1.00E+00	1.45E-01
128	1.22E+01	0.4929	1.19E+00	1.05E+00	1.06E+00	1.00E+00	1.41E-01
129	1.23E+01	0.5056	1.19E+00	1.06E+00	1.06E+00	1.00E+00	1.37E-01
130	1.23E+01	0.5208	1.19E+00	1.06E+00	1.06E+00	1.00E+00	1.31E-01
131	1.25E+01	0.5392	1.19E+00	1.06E+00	1.06E+00	1.00E+00	1.22E-01
132	1.26E+01	0.5496	1.18E+00	1.07E+00	1.05E+00	1.00E+00	1.17E-01
133	1.26E+01	0.5565	1.18E+00	1.07E+00	1.05E+00	1.00E+00	1.14E-01
134	1.28E+01	0.5638	1.18E+00	1.07E+00	1.05E+00	1.00E+00	1.11E-01
135	1.29E+01	0.5702	1.18E+00	1.07E+00	1.05E+00	1.00E+00	1.08E-01
136	1.31E+01	0.5773	1.18E+00	1.07E+00	1.04E+00	1.00E+00	1.06E-01
137	1.34E+01	0.5844	1.17E+00	1.07E+00	1.04E+00	1.00E+00	1.03E-01
138	1.36E+01	0.59	1.17E+00	1.07E+00	1.04E+00	1.00E+00	1.01E-01
139	1.39E+01	0.5945	1.17E+00	1.07E+00	1.04E+00	1.00E+00	9.98E-02
140	1.42E+01	0.5983	1.17E+00	1.07E+00	1.04E+00	1.00E+00	9.87E-02
141	1.45E+01	0.6015	1.17E+00	1.07E+00	1.03E+00	1.00E+00	9.78E-02
142	1.48E+01	0.6044	1.17E+00	1.07E+00	1.03E+00	1.00E+00	9.70E-02
143	1.50E+01	0.6067	1.17E+00	1.07E+00	1.03E+00	1.00E+00	9.64E-02

delta_P_o	q_liq_inj	q_oil_prod	q_wat_prod	N_liq_inj	N_oil_prod	N_wat_prod
BAR	CM3/S	CM3/S	CM3/S	CM3	CM3	CM3
1.14E-02	1.16E-03	1.16E-03	1.90E-09	1.16E-04	1.16E-04	1.90E-10
1.14E-02	1.16E-03	1.16E-03	1.80E-10	3.47E-04	3.47E-04	2.26E-10
1.14E-02	1.16E-03	1.16E-03	5.29E-10	8.10E-04	8.10E-04	4.38E-10
1.14E-02	1.16E-03	1.16E-03	1.24E-09	1.74E-03	1.74E-03	1.43E-09
1.14E-02	1.16E-03	1.16E-03	2.64E-09	3.59E-03	3.59E-03	5.66E-09
1.14E-02	1.16E-03	1.16E-03	5.30E-09	7.29E-03	7.29E-03	2.26E-08
1.14E-02	1.16E-03	1.16E-03	1.00E-08	1.47E-02	1.47E-02	8.69E-08

1.14E-02	1.16E-03	1.16E-03	1.76E-08	2.95E-02	2.95E-02	3.12E-07
1.14E-02	1.16E-03	1.16E-03	2.76E-08	5.91E-02	5.91E-02	1.02E-06
1.14E-02	1.16E-03	1.16E-03	3.73E-08	1.18E-01	1.18E-01	2.93E-06
1.14E-02	1.16E-03	1.16E-03	4.37E-08	2.37E-01	2.37E-01	7.40E-06
1.14E-02	1.16E-03	1.16E-03	4.62E-08	4.74E-01	4.74E-01	1.69E-05
1.14E-02	1.16E-03	1.16E-03	4.67E-08	9.48E-01	9.48E-01	3.60E-05
1.14E-02	1.16E-03	1.16E-03	4.68E-08	1.64E+00	1.64E+00	6.41E-05
1.14E-02	1.16E-03	1.16E-03	4.68E-08	2.08E+00	2.08E+00	8.19E-05
1.14E-02	1.16E-03	1.16E-03	4.68E-08	2.08E+00	2.08E+00	8.19E-05
1.14E-02	1.16E-03	1.16E-03	4.68E-08	2.08E+00	2.08E+00	8.20E-05
1.14E-02	1.16E-03	1.16E-03	4.68E-08	2.08E+00	2.08E+00	8.20E-05
1.14E-02	1.16E-03	1.16E-03	4.68E-08	2.09E+00	2.09E+00	8.20E-05
1.14E-02	1.16E-03	1.16E-03	4.68E-08	2.09E+00	2.09E+00	8.22E-05
1.14E-02	1.16E-03	1.16E-03	4.68E-08	2.09E+00	2.09E+00	8.24E-05
1.14E-02	1.16E-03	1.16E-03	4.68E-08	2.11E+00	2.11E+00	8.28E-05
1.14E-02	1.16E-03	1.16E-03	4.68E-08	2.13E+00	2.13E+00	8.37E-05
1.14E-02	1.16E-03	1.16E-03	4.68E-08	2.17E+00	2.17E+00	8.55E-05
1.14E-02	1.16E-03	1.16E-03	4.68E-08	2.26E+00	2.26E+00	8.91E-05
1.14E-02	1.16E-03	1.16E-03	4.68E-08	2.44E+00	2.44E+00	9.63E-05
1.16E-02	1.16E-03	1.16E-03	4.68E-08	2.79E+00	2.79E+00	1.11E-04
1.17E-02	1.16E-03	1.16E-03	4.68E-08	2.82E+00	2.82E+00	1.12E-04
1.18E-02	1.16E-03	1.16E-03	4.68E-08	2.84E+00	2.84E+00	1.13E-04
1.19E-02	1.16E-03	1.16E-03	4.68E-08	2.88E+00	2.88E+00	1.14E-04
1.22E-02	1.16E-03	1.16E-03	4.68E-08	2.96E+00	2.96E+00	1.17E-04
1.28E-02	1.16E-03	1.16E-03	4.68E-08	3.11E+00	3.11E+00	1.23E-04
1.36E-02	1.16E-03	1.16E-03	4.68E-08	3.29E+00	3.29E+00	1.31E-04
1.45E-02	1.16E-03	1.16E-03	4.69E-08	3.51E+00	3.51E+00	1.39E-04
1.58E-02	1.16E-03	1.16E-03	4.69E-08	3.81E+00	3.81E+00	1.52E-04
1.71E-02	1.16E-03	1.16E-03	4.72E-08	4.09E+00	4.09E+00	1.63E-04
1.86E-02	1.16E-03	1.16E-03	4.84E-08	4.44E+00	4.44E+00	1.78E-04
2.00E-02	1.16E-03	1.16E-03	5.07E-08	4.74E+00	4.74E+00	1.91E-04
2.15E-02	1.16E-03	1.16E-03	5.61E-08	5.07E+00	5.07E+00	2.07E-04
2.33E-02	1.16E-03	1.16E-03	7.24E-08	5.48E+00	5.48E+00	2.33E-04
2.50E-02	1.16E-03	1.16E-03	9.92E-08	5.84E+00	5.84E+00	2.64E-04
2.68E-02	1.16E-03	1.16E-03	1.53E-07	6.24E+00	6.24E+00	3.15E-04
2.84E-02	1.16E-03	1.16E-03	2.33E-07	6.60E+00	6.60E+00	3.88E-04
3.02E-02	1.16E-03	1.16E-03	3.75E-07	6.99E+00	6.99E+00	5.14E-04
3.22E-02	1.16E-03	1.16E-03	6.38E-07	7.42E+00	7.42E+00	7.53E-04
3.42E-02	1.16E-03	1.16E-03	1.09E-06	7.88E+00	7.87E+00	1.18E-03
3.63E-02	1.16E-03	1.16E-03	1.77E-06	8.32E+00	8.32E+00	1.86E-03
3.63E-02	1.16E-03	1.16E-03	1.79E-06	8.33E+00	8.33E+00	1.88E-03
3.63E-02	1.16E-03	1.16E-03	1.79E-06	8.33E+00	8.33E+00	1.88E-03
3.63E-02	1.16E-03	1.16E-03	1.79E-06	8.33E+00	8.33E+00	1.88E-03
3.62E-02	1.16E-03	1.16E-03	1.79E-06	8.34E+00	8.33E+00	1.88E-03
3.62E-02	1.16E-03	1.16E-03	1.80E-06	8.34E+00	8.34E+00	1.89E-03
3.62E-02	1.16E-03	1.16E-03	1.81E-06	8.34E+00	8.34E+00	1.90E-03
3.64E-02	1.16E-03	1.16E-03	1.82E-06	8.36E+00	8.35E+00	1.92E-03
3.67E-02	1.16E-03	1.16E-03	1.86E-06	8.38E+00	8.38E+00	1.95E-03
3.73E-02	1.16E-03	1.16E-03	1.92E-06	8.42E+00	8.41E+00	2.01E-03
3.84E-02	1.16E-03	1.16E-03	2.02E-06	8.47E+00	8.47E+00	2.11E-03
4.00E-02	1.16E-03	1.16E-03	2.19E-06	8.56E+00	8.56E+00	2.27E-03
4.22E-02	1.16E-03	1.16E-03	2.44E-06	8.68E+00	8.67E+00	2.52E-03
4.52E-02	1.16E-03	1.15E-03	2.81E-06	8.83E+00	8.83E+00	2.90E-03

4.91E-02	1.16E-03	1.15E-03	3.39E-06	9.03E+00	9.03E+00	3.49E-03
5.39E-02	1.16E-03	1.15E-03	4.68E-06	9.28E+00	9.28E+00	4.51E-03
5.65E-02	1.16E-03	1.15E-03	5.67E-06	9.42E+00	9.41E+00	5.17E-03
5.97E-02	1.16E-03	1.15E-03	7.91E-06	9.58E+00	9.58E+00	6.28E-03
6.19E-02	1.16E-03	1.15E-03	1.07E-05	9.70E+00	9.69E+00	7.38E-03
6.40E-02	1.16E-03	1.14E-03	1.52E-05	9.81E+00	9.80E+00	8.80E-03
6.59E-02	1.16E-03	1.13E-03	2.30E-05	9.91E+00	9.90E+00	1.08E-02
6.77E-02	1.16E-03	1.12E-03	3.70E-05	1.00E+01	9.99E+00	1.39E-02
6.92E-02	1.16E-03	1.10E-03	6.00E-05	1.01E+01	1.01E+01	1.87E-02
7.05E-02	1.16E-03	1.06E-03	9.97E-05	1.02E+01	1.02E+01	2.61E-02
7.18E-02	1.16E-03	9.84E-04	1.73E-04	1.03E+01	1.03E+01	4.27E-02
7.26E-02	1.16E-03	8.84E-04	2.73E-04	1.04E+01	1.03E+01	7.01E-02
7.31E-02	1.16E-03	7.99E-04	3.59E-04	1.05E+01	1.04E+01	1.05E-01
7.36E-02	1.16E-03	7.00E-04	4.58E-04	1.07E+01	1.05E+01	1.88E-01
7.37E-02	1.16E-03	6.68E-04	4.89E-04	1.08E+01	1.06E+01	2.23E-01
7.38E-02	1.16E-03	6.28E-04	5.29E-04	1.10E+01	1.07E+01	2.99E-01
7.39E-02	1.16E-03	6.04E-04	5.53E-04	1.11E+01	1.08E+01	3.78E-01
7.39E-02	1.16E-03	5.89E-04	5.68E-04	1.14E+01	1.09E+01	4.92E-01
7.39E-02	1.16E-03	5.82E-04	5.75E-04	1.17E+01	1.10E+01	6.40E-01
7.39E-02	1.16E-03	5.80E-04	5.78E-04	1.22E+01	1.13E+01	9.22E-01
7.39E-02	1.16E-03	5.79E-04	5.79E-04	1.34E+01	1.19E+01	1.48E+00
7.39E-02	1.16E-03	5.79E-04	5.79E-04	1.45E+01	1.25E+01	2.06E+00
7.39E-02	1.16E-03	5.79E-04	5.79E-04	1.57E+01	1.30E+01	2.64E+00
7.39E-02	1.16E-03	5.79E-04	5.79E-04	1.68E+01	1.36E+01	3.22E+00
7.39E-02	1.16E-03	5.79E-04	5.79E-04	1.80E+01	1.42E+01	3.80E+00
7.39E-02	1.16E-03	5.79E-04	5.79E-04	1.92E+01	1.48E+01	4.38E+00
7.39E-02	1.16E-03	5.79E-04	5.79E-04	2.03E+01	1.54E+01	4.96E+00
7.39E-02	1.16E-03	5.79E-04	5.79E-04	2.15E+01	1.59E+01	5.54E+00
7.39E-02	1.16E-03	5.79E-04	5.79E-04	2.26E+01	1.65E+01	6.11E+00
7.39E-02	1.16E-03	5.79E-04	5.79E-04	2.38E+01	1.71E+01	6.69E+00
7.39E-02	1.16E-03	5.79E-04	5.79E-04	2.49E+01	1.77E+01	7.27E+00
7.39E-02	1.16E-03	5.79E-04	5.79E-04	2.61E+01	1.83E+01	7.85E+00
7.39E-02	1.16E-03	5.79E-04	5.79E-04	2.73E+01	1.88E+01	8.43E+00
7.39E-02	1.16E-03	5.79E-04	5.79E-04	2.84E+01	1.94E+01	9.01E+00
7.39E-02	1.16E-03	5.79E-04	5.79E-04	2.96E+01	2.00E+01	9.59E+00
7.39E-02	1.16E-03	5.79E-04	5.79E-04	3.07E+01	2.06E+01	1.02E+01
7.39E-02	1.16E-03	5.79E-04	5.79E-04	3.19E+01	2.11E+01	1.07E+01
7.39E-02	1.16E-03	5.79E-04	5.79E-04	3.30E+01	2.17E+01	1.13E+01
7.39E-02	1.16E-03	5.79E-04	5.79E-04	3.42E+01	2.23E+01	1.19E+01
7.39E-02	1.16E-03	5.79E-04	5.79E-04	3.54E+01	2.29E+01	1.25E+01
7.39E-02	1.16E-03	5.79E-04	5.79E-04	3.65E+01	2.35E+01	1.31E+01
7.39E-02	1.16E-03	5.79E-04	5.79E-04	3.77E+01	2.40E+01	1.36E+01
7.39E-02	1.16E-03	5.79E-04	5.79E-04	3.88E+01	2.46E+01	1.42E+01
7.39E-02	1.16E-03	5.79E-04	5.79E-04	4.00E+01	2.52E+01	1.48E+01
7.39E-02	1.16E-03	5.79E-04	5.79E-04	4.11E+01	2.58E+01	1.54E+01
7.39E-02	1.16E-03	5.79E-04	5.79E-04	4.23E+01	2.64E+01	1.60E+01
7.39E-02	1.16E-03	5.79E-04	5.79E-04	4.35E+01	2.69E+01	1.65E+01
7.39E-02	1.16E-03	5.79E-04	5.79E-04	4.46E+01	2.75E+01	1.71E+01
7.39E-02	1.16E-03	5.79E-04	5.79E-04	4.58E+01	2.81E+01	1.77E+01
7.39E-02	1.16E-03	5.79E-04	5.79E-04	4.69E+01	2.87E+01	1.83E+01
7.39E-02	1.16E-03	5.79E-04	5.79E-04	4.81E+01	2.92E+01	1.88E+01
7.39E-02	1.16E-03	5.79E-04	5.79E-04	4.92E+01	2.98E+01	1.94E+01
7.39E-02	1.16E-03	5.79E-04	5.79E-04	5.00E+01	3.02E+01	1.98E+01
7.38E-02	1.16E-03	5.79E-04	5.79E-04	5.00E+01	3.02E+01	1.98E+01

7.37E-02	1.16E-03	5.79E-04	5.79E-04	5.00E+01	3.02E+01	1.98E+01
7.35E-02	1.16E-03	5.79E-04	5.79E-04	5.00E+01	3.02E+01	1.98E+01
7.34E-02	1.16E-03	5.79E-04	5.79E-04	5.00E+01	3.02E+01	1.98E+01
7.32E-02	1.16E-03	5.79E-04	5.79E-04	5.00E+01	3.02E+01	1.98E+01
7.29E-02	1.16E-03	5.79E-04	5.79E-04	5.00E+01	3.02E+01	1.98E+01
7.26E-02	1.16E-03	5.79E-04	5.79E-04	5.00E+01	3.02E+01	1.98E+01
7.22E-02	1.16E-03	5.79E-04	5.79E-04	5.01E+01	3.02E+01	1.98E+01
7.17E-02	1.16E-03	5.79E-04	5.79E-04	5.01E+01	3.03E+01	1.99E+01
7.09E-02	1.16E-03	5.79E-04	5.79E-04	5.02E+01	3.03E+01	1.99E+01
7.00E-02	1.16E-03	5.79E-04	5.79E-04	5.03E+01	3.03E+01	1.99E+01
6.88E-02	1.16E-03	5.77E-04	5.80E-04	5.04E+01	3.04E+01	2.00E+01
6.71E-02	1.16E-03	5.68E-04	5.89E-04	5.06E+01	3.05E+01	2.01E+01
6.47E-02	1.16E-03	5.22E-04	6.35E-04	5.09E+01	3.06E+01	2.02E+01
6.28E-02	1.16E-03	4.73E-04	6.85E-04	5.11E+01	3.07E+01	2.04E+01
5.99E-02	1.16E-03	3.86E-04	7.71E-04	5.14E+01	3.08E+01	2.06E+01
5.55E-02	1.16E-03	2.61E-04	8.97E-04	5.19E+01	3.09E+01	2.10E+01
5.24E-02	1.16E-03	1.92E-04	9.65E-04	5.23E+01	3.10E+01	2.13E+01
5.02E-02	1.16E-03	1.51E-04	1.01E-03	5.27E+01	3.10E+01	2.16E+01
4.77E-02	1.16E-03	1.14E-04	1.04E-03	5.32E+01	3.11E+01	2.21E+01
4.55E-02	1.16E-03	8.72E-05	1.07E-03	5.37E+01	3.11E+01	2.26E+01
4.30E-02	1.16E-03	6.39E-05	1.09E-03	5.45E+01	3.12E+01	2.34E+01
4.04E-02	1.16E-03	4.63E-05	1.11E-03	5.57E+01	3.12E+01	2.45E+01
3.84E-02	1.16E-03	3.57E-05	1.12E-03	5.69E+01	3.12E+01	2.56E+01
3.67E-02	1.16E-03	2.89E-05	1.13E-03	5.80E+01	3.13E+01	2.67E+01
3.53E-02	1.16E-03	2.42E-05	1.13E-03	5.92E+01	3.13E+01	2.79E+01
3.41E-02	1.16E-03	2.09E-05	1.14E-03	6.03E+01	3.13E+01	2.90E+01
3.31E-02	1.16E-03	1.84E-05	1.14E-03	6.15E+01	3.13E+01	3.01E+01
3.23E-02	1.16E-03	1.67E-05	1.14E-03	6.25E+01	3.14E+01	3.11E+01