

Input used in your Unsteady\_State experiment for project Demo\_USS  
 This run was submitted by SCA\_member, E-mail webmaster@scaweb.org

Gridblocks	50	Vert/Hor	V	LevJ
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			
time(HOUR)	Flowrate(CM3/HOUR)			
	0	10		
	6	100		
	10	300		
T_end	12 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 23:34 from run 'scores\_Demo\_USS'

time HOUR	meansat M3/M3	P_inj_wat BAR	P_prod_wat BAR	P_inj_oil BAR	P_prod_oil BAR
1	2.78E-04	0.1804	1.14E+00	1.00E+00	1.00E+00
2	8.33E-04	0.1813	1.14E+00	1.00E+00	1.00E+00
3	9.85E-04	0.1816	1.14E+00	1.00E+00	1.00E+00
4	1.29E-03	0.182	1.15E+00	1.00E+00	1.00E+00
5	1.89E-03	0.183	1.15E+00	1.00E+00	1.00E+00
6	2.61E-03	0.1841	1.15E+00	1.00E+00	1.00E+00
7	3.47E-03	0.1855	1.15E+00	1.00E+00	1.00E+00
8	5.19E-03	0.1882	1.15E+00	1.00E+00	1.00E+00
9	6.47E-03	0.1902	1.15E+00	1.00E+00	1.00E+00

10	7.85E-03	0.1924	1.15E+00	1.00E+00	1.03E+00	1.00E+00
11	9.82E-03	0.1955	1.15E+00	1.00E+00	1.03E+00	1.00E+00
12	1.24E-02	0.1996	1.16E+00	1.00E+00	1.03E+00	1.00E+00
13	1.44E-02	0.2028	1.16E+00	1.00E+00	1.03E+00	1.00E+00
14	1.84E-02	0.209	1.16E+00	1.00E+00	1.03E+00	1.00E+00
15	2.04E-02	0.2122	1.16E+00	1.00E+00	1.03E+00	1.00E+00
16	2.35E-02	0.2172	1.16E+00	1.00E+00	1.04E+00	1.00E+00
17	2.78E-02	0.2238	1.17E+00	1.00E+00	1.04E+00	1.00E+00
18	3.00E-02	0.2274	1.17E+00	1.00E+00	1.04E+00	1.00E+00
19	3.34E-02	0.2327	1.17E+00	1.00E+00	1.04E+00	1.00E+00
20	3.83E-02	0.2405	1.17E+00	1.00E+00	1.04E+00	1.00E+00
21	4.09E-02	0.2446	1.17E+00	1.00E+00	1.04E+00	1.00E+00
22	4.42E-02	0.2498	1.18E+00	1.00E+00	1.05E+00	1.00E+00
23	4.88E-02	0.2571	1.18E+00	1.00E+00	1.05E+00	1.00E+00
24	5.22E-02	0.2623	1.18E+00	1.00E+00	1.05E+00	1.00E+00
25	5.51E-02	0.267	1.18E+00	1.00E+00	1.05E+00	1.00E+00
26	5.88E-02	0.2728	1.18E+00	1.00E+00	1.05E+00	1.00E+00
27	6.31E-02	0.2796	1.19E+00	1.00E+00	1.06E+00	1.00E+00
28	6.57E-02	0.2837	1.19E+00	1.00E+00	1.06E+00	1.00E+00
29	6.95E-02	0.2898	1.19E+00	1.00E+00	1.06E+00	1.00E+00
30	7.41E-02	0.2969	1.19E+00	1.00E+00	1.06E+00	1.00E+00
31	7.68E-02	0.3012	1.19E+00	1.00E+00	1.06E+00	1.00E+00
32	8.04E-02	0.3069	1.19E+00	1.00E+00	1.06E+00	1.00E+00
33	8.60E-02	0.3157	1.20E+00	1.00E+00	1.07E+00	1.00E+00
34	8.88E-02	0.3202	1.20E+00	1.00E+00	1.07E+00	1.00E+00
35	9.23E-02	0.3257	1.20E+00	1.00E+00	1.07E+00	1.00E+00
36	9.63E-02	0.3321	1.20E+00	1.00E+00	1.07E+00	1.00E+00
37	1.01E-01	0.3388	1.20E+00	1.00E+00	1.07E+00	1.00E+00
38	1.03E-01	0.3432	1.20E+00	1.00E+00	1.07E+00	1.00E+00
39	1.07E-01	0.3492	1.21E+00	1.00E+00	1.08E+00	1.00E+00
40	1.12E-01	0.3569	1.21E+00	1.00E+00	1.08E+00	1.00E+00
41	1.15E-01	0.3613	1.21E+00	1.00E+00	1.08E+00	1.00E+00
42	1.19E-01	0.3671	1.21E+00	1.00E+00	1.08E+00	1.00E+00
43	1.25E-01	0.3774	1.21E+00	1.00E+00	1.08E+00	1.00E+00
44	1.28E-01	0.3824	1.22E+00	1.00E+00	1.08E+00	1.00E+00
45	1.33E-01	0.3895	1.22E+00	1.00E+00	1.09E+00	1.00E+00
46	1.36E-01	0.394	1.22E+00	1.00E+00	1.09E+00	1.00E+00
47	1.40E-01	0.4007	1.22E+00	1.00E+00	1.09E+00	1.00E+00
48	1.44E-01	0.4074	1.22E+00	1.00E+00	1.09E+00	1.00E+00
49	1.47E-01	0.412	1.22E+00	1.00E+00	1.09E+00	1.00E+00
50	1.51E-01	0.4182	1.23E+00	1.00E+00	1.09E+00	1.00E+00
51	1.56E-01	0.4258	1.23E+00	1.00E+00	1.10E+00	1.00E+00
52	1.59E-01	0.4303	1.23E+00	1.00E+00	1.10E+00	1.00E+00
53	1.62E-01	0.4362	1.23E+00	1.00E+00	1.10E+00	1.00E+00
54	1.69E-01	0.4467	1.23E+00	1.00E+00	1.10E+00	1.00E+00
55	1.72E-01	0.4517	1.24E+00	1.00E+00	1.10E+00	1.00E+00
56	1.77E-01	0.4589	1.24E+00	1.00E+00	1.11E+00	1.00E+00
57	1.80E-01	0.4635	1.24E+00	1.00E+00	1.11E+00	1.00E+00
58	1.84E-01	0.4701	1.24E+00	1.00E+00	1.11E+00	1.00E+00
59	1.88E-01	0.4772	1.24E+00	1.00E+00	1.11E+00	1.00E+00
60	1.91E-01	0.4817	1.24E+00	1.00E+00	1.11E+00	1.00E+00
61	1.95E-01	0.4878	1.25E+00	1.00E+00	1.11E+00	1.00E+00
62	2.00E-01	0.4963	1.25E+00	1.00E+00	1.12E+00	1.00E+00
63	2.03E-01	0.5009	1.25E+00	1.00E+00	1.12E+00	1.00E+00

64	2.07E-01	0.5066	1.25E+00	1.00E+00	1.12E+00	1.00E+00
65	2.12E-01	0.5146	1.25E+00	1.00E+00	1.12E+00	1.00E+00
66	2.16E-01	0.5204	1.26E+00	1.00E+00	1.12E+00	1.00E+00
67	2.19E-01	0.5255	1.26E+00	1.01E+00	1.12E+00	1.00E+00
68	2.23E-01	0.531	1.26E+00	1.01E+00	1.13E+00	1.00E+00
69	2.28E-01	0.5391	1.26E+00	1.03E+00	1.13E+00	1.00E+00
70	2.31E-01	0.5432	1.26E+00	1.04E+00	1.13E+00	1.00E+00
71	2.35E-01	0.5469	1.26E+00	1.06E+00	1.13E+00	1.00E+00
72	2.37E-01	0.5492	1.26E+00	1.07E+00	1.13E+00	1.00E+00
73	2.41E-01	0.5522	1.26E+00	1.08E+00	1.13E+00	1.00E+00
74	2.48E-01	0.5566	1.26E+00	1.09E+00	1.13E+00	1.00E+00
75	2.52E-01	0.5587	1.26E+00	1.09E+00	1.13E+00	1.00E+00
76	2.58E-01	0.561	1.26E+00	1.09E+00	1.12E+00	1.00E+00
77	2.62E-01	0.5627	1.26E+00	1.09E+00	1.12E+00	1.00E+00
78	2.69E-01	0.5646	1.26E+00	1.09E+00	1.12E+00	1.00E+00
79	2.75E-01	0.5661	1.26E+00	1.09E+00	1.12E+00	1.00E+00
80	2.84E-01	0.5681	1.25E+00	1.09E+00	1.12E+00	1.00E+00
81	2.93E-01	0.57	1.25E+00	1.09E+00	1.12E+00	1.00E+00
82	3.08E-01	0.5725	1.25E+00	1.10E+00	1.12E+00	1.00E+00
83	3.27E-01	0.5754	1.25E+00	1.10E+00	1.11E+00	1.00E+00
84	3.59E-01	0.5792	1.25E+00	1.10E+00	1.11E+00	1.00E+00
85	4.09E-01	0.5841	1.24E+00	1.10E+00	1.11E+00	1.00E+00
86	4.94E-01	0.5904	1.24E+00	1.10E+00	1.10E+00	1.00E+00
87	6.31E-01	0.5977	1.23E+00	1.10E+00	1.10E+00	1.00E+00
88	8.60E-01	0.6064	1.23E+00	1.10E+00	1.09E+00	1.00E+00
89	1.14E+00	0.6142	1.22E+00	1.10E+00	1.09E+00	1.00E+00
90	1.42E+00	0.6204	1.22E+00	1.10E+00	1.08E+00	1.00E+00
91	1.69E+00	0.6256	1.22E+00	1.10E+00	1.08E+00	1.00E+00
92	1.97E+00	0.6302	1.21E+00	1.10E+00	1.08E+00	1.00E+00
93	2.25E+00	0.6343	1.21E+00	1.10E+00	1.07E+00	1.00E+00
94	2.53E+00	0.6381	1.21E+00	1.10E+00	1.07E+00	1.00E+00
95	2.80E+00	0.6415	1.21E+00	1.10E+00	1.07E+00	1.00E+00
96	3.08E+00	0.6446	1.21E+00	1.10E+00	1.07E+00	1.00E+00
97	3.36E+00	0.6474	1.21E+00	1.10E+00	1.07E+00	1.00E+00
98	3.64E+00	0.65	1.21E+00	1.10E+00	1.06E+00	1.00E+00
99	3.92E+00	0.6524	1.20E+00	1.10E+00	1.06E+00	1.00E+00
100	4.19E+00	0.6546	1.20E+00	1.10E+00	1.06E+00	1.00E+00
101	4.47E+00	0.6566	1.20E+00	1.10E+00	1.06E+00	1.00E+00
102	4.75E+00	0.6584	1.20E+00	1.10E+00	1.06E+00	1.00E+00
103	5.03E+00	0.6602	1.20E+00	1.10E+00	1.06E+00	1.00E+00
104	5.30E+00	0.6617	1.20E+00	1.10E+00	1.06E+00	1.00E+00
105	5.58E+00	0.6632	1.20E+00	1.10E+00	1.06E+00	1.00E+00
106	5.86E+00	0.6646	1.20E+00	1.10E+00	1.06E+00	1.00E+00
107	6.00E+00	0.6653	1.20E+00	1.10E+00	1.06E+00	1.00E+00
108	6.00E+00	0.6674	1.85E+00	1.11E+00	1.71E+00	1.00E+00
109	6.00E+00	0.6676	1.85E+00	1.11E+00	1.71E+00	1.00E+00
110	6.00E+00	0.668	1.85E+00	1.11E+00	1.71E+00	1.00E+00
111	6.00E+00	0.6684	1.85E+00	1.11E+00	1.71E+00	1.00E+00
112	6.00E+00	0.6688	1.85E+00	1.11E+00	1.71E+00	1.00E+00
113	6.00E+00	0.6692	1.85E+00	1.11E+00	1.70E+00	1.00E+00
114	6.00E+00	0.6697	1.84E+00	1.11E+00	1.70E+00	1.00E+00
115	6.00E+00	0.6702	1.84E+00	1.11E+00	1.70E+00	1.00E+00
116	6.00E+00	0.6707	1.84E+00	1.11E+00	1.69E+00	1.00E+00
117	6.00E+00	0.671	1.84E+00	1.11E+00	1.69E+00	1.00E+00

118	6.00E+00	0.6714	1.83E+00	1.11E+00	1.69E+00	1.00E+00
119	6.01E+00	0.6718	1.83E+00	1.11E+00	1.69E+00	1.00E+00
120	6.01E+00	0.6724	1.83E+00	1.11E+00	1.69E+00	1.00E+00
121	6.01E+00	0.6731	1.83E+00	1.11E+00	1.68E+00	1.00E+00
122	6.02E+00	0.6743	1.82E+00	1.11E+00	1.68E+00	1.00E+00
123	6.04E+00	0.6761	1.81E+00	1.11E+00	1.67E+00	1.00E+00
124	6.07E+00	0.6786	1.80E+00	1.11E+00	1.66E+00	1.00E+00
125	6.14E+00	0.6821	1.79E+00	1.11E+00	1.64E+00	1.00E+00
126	6.27E+00	0.6867	1.77E+00	1.11E+00	1.62E+00	1.00E+00
127	6.52E+00	0.6929	1.75E+00	1.11E+00	1.60E+00	1.00E+00
128	6.79E+00	0.6978	1.74E+00	1.11E+00	1.58E+00	1.00E+00
129	7.07E+00	0.7015	1.73E+00	1.11E+00	1.57E+00	1.00E+00
130	7.35E+00	0.7044	1.72E+00	1.11E+00	1.56E+00	1.00E+00
131	7.63E+00	0.7067	1.71E+00	1.11E+00	1.55E+00	1.00E+00
132	7.91E+00	0.7087	1.70E+00	1.11E+00	1.54E+00	1.00E+00
133	8.18E+00	0.7104	1.70E+00	1.11E+00	1.53E+00	1.00E+00
134	8.46E+00	0.7118	1.69E+00	1.11E+00	1.52E+00	1.00E+00
135	8.74E+00	0.7131	1.69E+00	1.11E+00	1.52E+00	1.00E+00
136	9.02E+00	0.7143	1.69E+00	1.11E+00	1.51E+00	1.00E+00
137	9.29E+00	0.7154	1.68E+00	1.11E+00	1.50E+00	1.00E+00
138	9.57E+00	0.7163	1.68E+00	1.11E+00	1.50E+00	1.00E+00
139	9.85E+00	0.7172	1.68E+00	1.11E+00	1.49E+00	1.00E+00
140	1.00E+01	0.7177	1.68E+00	1.11E+00	1.49E+00	1.00E+00
141	1.00E+01	0.7183	2.78E+00	1.12E+00	2.59E+00	1.00E+00
142	1.00E+01	0.7184	2.78E+00	1.12E+00	2.59E+00	1.00E+00
143	1.00E+01	0.7185	2.78E+00	1.12E+00	2.59E+00	1.00E+00
144	1.00E+01	0.7186	2.78E+00	1.12E+00	2.59E+00	1.00E+00
145	1.00E+01	0.7186	2.78E+00	1.12E+00	2.58E+00	1.00E+00
146	1.00E+01	0.7187	2.78E+00	1.12E+00	2.58E+00	1.00E+00
147	1.00E+01	0.7189	2.77E+00	1.12E+00	2.58E+00	1.00E+00
148	1.00E+01	0.719	2.77E+00	1.12E+00	2.58E+00	1.00E+00
149	1.00E+01	0.7192	2.77E+00	1.12E+00	2.57E+00	1.00E+00
150	1.00E+01	0.7194	2.77E+00	1.12E+00	2.56E+00	1.00E+00
151	1.00E+01	0.7197	2.77E+00	1.12E+00	2.56E+00	1.00E+00
152	1.01E+01	0.7202	2.76E+00	1.12E+00	2.54E+00	1.00E+00
153	1.02E+01	0.7209	2.76E+00	1.12E+00	2.52E+00	1.00E+00
154	1.03E+01	0.7222	2.74E+00	1.12E+00	2.49E+00	1.00E+00
155	1.06E+01	0.7241	2.73E+00	1.12E+00	2.45E+00	1.00E+00
156	1.09E+01	0.7259	2.71E+00	1.12E+00	2.42E+00	1.00E+00
157	1.11E+01	0.7276	2.70E+00	1.12E+00	2.38E+00	1.00E+00
158	1.14E+01	0.7292	2.68E+00	1.12E+00	2.35E+00	1.00E+00
159	1.17E+01	0.7308	2.67E+00	1.12E+00	2.32E+00	1.00E+00
160	1.20E+01	0.7323	2.65E+00	1.12E+00	2.29E+00	1.00E+00
161	1.20E+01	0.7324	2.65E+00	1.12E+00	2.29E+00	1.00E+00

OFF

delta_P_w	delta_P_o	q_liq_inj	q_oil_prod	q_wat_prod	N_liq_inj	N_oil_prod	N_wat_prod
BAR	BAR	CM3/S	CM3/S	CM3/S	CM3	CM3	CM3
1.37E-01	2.26E-02	2.78E-03	2.78E-03	7.85E-09	2.78E-03	2.78E-03	7.85E-09
1.43E-01	2.28E-02	2.78E-03	2.78E-03	1.70E-08	8.33E-03	8.33E-03	4.18E-08
1.44E-01	2.28E-02	2.78E-03	2.78E-03	1.99E-08	9.85E-03	9.85E-03	5.26E-08
1.45E-01	2.30E-02	2.78E-03	2.78E-03	2.55E-08	1.29E-02	1.29E-02	8.04E-08
1.47E-01	2.33E-02	2.78E-03	2.78E-03	3.56E-08	1.89E-02	1.89E-02	1.58E-07
1.48E-01	2.34E-02	2.78E-03	2.78E-03	4.62E-08	2.61E-02	2.61E-02	2.78E-07
1.49E-01	2.43E-02	2.78E-03	2.78E-03	5.73E-08	3.47E-02	3.47E-02	4.55E-07
1.51E-01	2.51E-02	2.78E-03	2.78E-03	7.43E-08	5.19E-02	5.19E-02	9.15E-07
1.52E-01	2.61E-02	2.78E-03	2.78E-03	8.46E-08	6.47E-02	6.47E-02	1.30E-06

1.53E-01	2.69E-02	2.78E-03	2.78E-03	9.36E-08	7.85E-02	7.85E-02	1.77E-06
1.55E-01	2.81E-02	2.78E-03	2.78E-03	1.03E-07	9.82E-02	9.82E-02	2.50E-06
1.57E-01	2.97E-02	2.78E-03	2.78E-03	1.12E-07	1.24E-01	1.24E-01	3.55E-06
1.58E-01	3.09E-02	2.78E-03	2.78E-03	1.17E-07	1.44E-01	1.44E-01	4.38E-06
1.61E-01	3.32E-02	2.78E-03	2.78E-03	1.22E-07	1.84E-01	1.84E-01	6.12E-06
1.62E-01	3.44E-02	2.78E-03	2.78E-03	1.24E-07	2.04E-01	2.04E-01	7.02E-06
1.64E-01	3.60E-02	2.78E-03	2.78E-03	1.26E-07	2.35E-01	2.35E-01	8.46E-06
1.67E-01	3.82E-02	2.78E-03	2.78E-03	1.28E-07	2.78E-01	2.77E-01	1.04E-05
1.68E-01	3.94E-02	2.78E-03	2.78E-03	1.29E-07	3.01E-01	3.00E-01	1.15E-05
1.70E-01	4.10E-02	2.78E-03	2.78E-03	1.29E-07	3.34E-01	3.34E-01	1.30E-05
1.73E-01	4.36E-02	2.78E-03	2.78E-03	1.30E-07	3.83E-01	3.83E-01	1.53E-05
1.74E-01	4.48E-02	2.78E-03	2.78E-03	1.30E-07	4.09E-01	4.09E-01	1.65E-05
1.76E-01	4.64E-02	2.78E-03	2.78E-03	1.30E-07	4.42E-01	4.42E-01	1.81E-05
1.78E-01	4.86E-02	2.78E-03	2.78E-03	1.30E-07	4.88E-01	4.88E-01	2.03E-05
1.80E-01	5.02E-02	2.78E-03	2.78E-03	1.30E-07	5.22E-01	5.22E-01	2.18E-05
1.81E-01	5.16E-02	2.78E-03	2.78E-03	1.30E-07	5.51E-01	5.51E-01	2.32E-05
1.83E-01	5.32E-02	2.78E-03	2.78E-03	1.30E-07	5.88E-01	5.88E-01	2.49E-05
1.85E-01	5.53E-02	2.78E-03	2.78E-03	1.30E-07	6.31E-01	6.31E-01	2.69E-05
1.87E-01	5.65E-02	2.78E-03	2.78E-03	1.30E-07	6.57E-01	6.57E-01	2.82E-05
1.88E-01	5.81E-02	2.78E-03	2.78E-03	1.30E-07	6.95E-01	6.95E-01	3.00E-05
1.91E-01	6.03E-02	2.78E-03	2.78E-03	1.30E-07	7.41E-01	7.41E-01	3.21E-05
1.92E-01	6.15E-02	2.78E-03	2.78E-03	1.30E-07	7.68E-01	7.68E-01	3.34E-05
1.94E-01	6.31E-02	2.78E-03	2.78E-03	1.30E-07	8.04E-01	8.04E-01	3.51E-05
1.96E-01	6.57E-02	2.78E-03	2.78E-03	1.30E-07	8.60E-01	8.60E-01	3.77E-05
1.98E-01	6.70E-02	2.78E-03	2.78E-03	1.30E-07	8.88E-01	8.88E-01	3.90E-05
1.99E-01	6.85E-02	2.78E-03	2.78E-03	1.30E-07	9.23E-01	9.23E-01	4.07E-05
2.01E-01	7.03E-02	2.78E-03	2.78E-03	1.30E-07	9.63E-01	9.63E-01	4.25E-05
2.03E-01	7.22E-02	2.78E-03	2.78E-03	1.30E-07	1.01E+00	1.01E+00	4.45E-05
2.05E-01	7.34E-02	2.78E-03	2.78E-03	1.30E-07	1.03E+00	1.03E+00	4.59E-05
2.06E-01	7.50E-02	2.78E-03	2.78E-03	1.30E-07	1.07E+00	1.07E+00	4.77E-05
2.09E-01	7.73E-02	2.78E-03	2.78E-03	1.30E-07	1.12E+00	1.12E+00	4.99E-05
2.10E-01	7.85E-02	2.78E-03	2.78E-03	1.30E-07	1.15E+00	1.15E+00	5.13E-05
2.12E-01	8.00E-02	2.78E-03	2.78E-03	1.30E-07	1.19E+00	1.19E+00	5.30E-05
2.15E-01	8.31E-02	2.78E-03	2.78E-03	1.30E-07	1.25E+00	1.25E+00	5.60E-05
2.16E-01	8.45E-02	2.78E-03	2.78E-03	1.30E-07	1.28E+00	1.28E+00	5.75E-05
2.18E-01	8.65E-02	2.78E-03	2.78E-03	1.30E-07	1.33E+00	1.33E+00	5.96E-05
2.20E-01	8.77E-02	2.78E-03	2.78E-03	1.30E-07	1.36E+00	1.36E+00	6.10E-05
2.21E-01	8.95E-02	2.78E-03	2.78E-03	1.30E-07	1.40E+00	1.40E+00	6.30E-05
2.23E-01	9.14E-02	2.78E-03	2.78E-03	1.30E-07	1.44E+00	1.44E+00	6.50E-05
2.25E-01	9.26E-02	2.78E-03	2.78E-03	1.30E-07	1.47E+00	1.47E+00	6.63E-05
2.26E-01	9.43E-02	2.78E-03	2.78E-03	1.30E-07	1.51E+00	1.51E+00	6.82E-05
2.29E-01	9.64E-02	2.78E-03	2.78E-03	1.30E-07	1.56E+00	1.56E+00	7.04E-05
2.30E-01	9.77E-02	2.78E-03	2.78E-03	1.30E-07	1.59E+00	1.59E+00	7.18E-05
2.32E-01	9.92E-02	2.78E-03	2.78E-03	1.31E-07	1.62E+00	1.62E+00	7.35E-05
2.35E-01	1.02E-01	2.78E-03	2.78E-03	1.31E-07	1.69E+00	1.69E+00	7.67E-05
2.36E-01	1.04E-01	2.78E-03	2.78E-03	1.31E-07	1.72E+00	1.72E+00	7.82E-05
2.38E-01	1.06E-01	2.78E-03	2.78E-03	1.32E-07	1.77E+00	1.77E+00	8.03E-05
2.39E-01	1.07E-01	2.78E-03	2.78E-03	1.34E-07	1.80E+00	1.80E+00	8.17E-05
2.41E-01	1.09E-01	2.78E-03	2.78E-03	1.39E-07	1.84E+00	1.84E+00	8.38E-05
2.43E-01	1.11E-01	2.78E-03	2.78E-03	1.54E-07	1.88E+00	1.88E+00	8.63E-05
2.45E-01	1.12E-01	2.78E-03	2.78E-03	1.71E-07	1.91E+00	1.91E+00	8.81E-05
2.46E-01	1.13E-01	2.78E-03	2.78E-03	2.29E-07	1.95E+00	1.95E+00	9.13E-05
2.49E-01	1.16E-01	2.78E-03	2.78E-03	5.94E-07	2.00E+00	2.00E+00	1.03E-04
2.50E-01	1.17E-01	2.78E-03	2.78E-03	9.53E-07	2.03E+00	2.03E+00	1.13E-04

2.51E-01	1.19E-01	2.78E-03	2.78E-03	1.97E-06	2.07E+00	2.07E+00	1.38E-04
2.52E-01	1.21E-01	2.78E-03	2.77E-03	7.18E-06	2.12E+00	2.12E+00	2.71E-04
2.52E-01	1.22E-01	2.78E-03	2.76E-03	1.48E-05	2.16E+00	2.16E+00	4.67E-04
2.50E-01	1.24E-01	2.78E-03	2.75E-03	2.76E-05	2.19E+00	2.19E+00	7.93E-04
2.45E-01	1.25E-01	2.78E-03	2.72E-03	5.44E-05	2.23E+00	2.22E+00	1.50E-03
2.28E-01	1.27E-01	2.78E-03	2.61E-03	1.72E-04	2.28E+00	2.28E+00	5.05E-03
2.17E-01	1.28E-01	2.78E-03	2.50E-03	2.75E-04	2.31E+00	2.31E+00	8.11E-03
2.02E-01	1.28E-01	2.78E-03	2.32E-03	4.61E-04	2.35E+00	2.33E+00	1.35E-02
1.92E-01	1.28E-01	2.78E-03	2.15E-03	6.32E-04	2.37E+00	2.35E+00	1.90E-02
1.84E-01	1.27E-01	2.78E-03	1.87E-03	9.11E-04	2.41E+00	2.38E+00	3.09E-02
1.74E-01	1.26E-01	2.78E-03	1.41E-03	1.37E-03	2.48E+00	2.41E+00	6.70E-02
1.71E-01	1.25E-01	2.78E-03	1.19E-03	1.59E-03	2.52E+00	2.43E+00	9.07E-02
1.67E-01	1.24E-01	2.78E-03	9.56E-04	1.82E-03	2.58E+00	2.45E+00	1.28E-01
1.65E-01	1.23E-01	2.78E-03	8.05E-04	1.97E-03	2.62E+00	2.46E+00	1.61E-01
1.63E-01	1.22E-01	2.78E-03	6.58E-04	2.12E-03	2.69E+00	2.48E+00	2.09E-01
1.61E-01	1.21E-01	2.78E-03	5.56E-04	2.22E-03	2.75E+00	2.49E+00	2.58E-01
1.59E-01	1.20E-01	2.78E-03	4.60E-04	2.32E-03	2.84E+00	2.51E+00	3.30E-01
1.58E-01	1.19E-01	2.78E-03	3.89E-04	2.39E-03	2.93E+00	2.52E+00	4.14E-01
1.55E-01	1.17E-01	2.78E-03	3.25E-04	2.45E-03	3.08E+00	2.54E+00	5.43E-01
1.53E-01	1.15E-01	2.78E-03	2.72E-04	2.51E-03	3.27E+00	2.55E+00	7.18E-01
1.50E-01	1.12E-01	2.78E-03	2.22E-04	2.56E-03	3.59E+00	2.58E+00	1.01E+00
1.46E-01	1.08E-01	2.78E-03	1.76E-04	2.60E-03	4.09E+00	2.61E+00	1.48E+00
1.42E-01	1.03E-01	2.78E-03	1.33E-04	2.64E-03	4.94E+00	2.65E+00	2.29E+00
1.37E-01	9.75E-02	2.78E-03	9.65E-05	2.68E-03	6.31E+00	2.70E+00	3.61E+00
1.31E-01	9.11E-02	2.78E-03	6.71E-05	2.71E-03	8.60E+00	2.76E+00	5.85E+00
1.26E-01	8.56E-02	2.78E-03	4.95E-05	2.73E-03	1.14E+01	2.81E+00	8.58E+00
1.23E-01	8.13E-02	2.78E-03	3.95E-05	2.74E-03	1.42E+01	2.84E+00	1.13E+01
1.20E-01	7.79E-02	2.78E-03	3.34E-05	2.74E-03	1.69E+01	2.88E+00	1.41E+01
1.17E-01	7.50E-02	2.78E-03	2.92E-05	2.75E-03	1.97E+01	2.91E+00	1.68E+01
1.15E-01	7.25E-02	2.78E-03	2.62E-05	2.75E-03	2.25E+01	2.93E+00	1.96E+01
1.13E-01	7.03E-02	2.78E-03	2.37E-05	2.75E-03	2.53E+01	2.96E+00	2.23E+01
1.12E-01	6.83E-02	2.78E-03	2.16E-05	2.76E-03	2.80E+01	2.98E+00	2.51E+01
1.10E-01	6.65E-02	2.78E-03	1.97E-05	2.76E-03	3.08E+01	3.00E+00	2.78E+01
1.09E-01	6.50E-02	2.78E-03	1.80E-05	2.76E-03	3.36E+01	3.02E+00	3.06E+01
1.08E-01	6.36E-02	2.78E-03	1.65E-05	2.76E-03	3.64E+01	3.03E+00	3.33E+01
1.07E-01	6.23E-02	2.78E-03	1.51E-05	2.76E-03	3.92E+01	3.05E+00	3.61E+01
1.06E-01	6.12E-02	2.78E-03	1.38E-05	2.76E-03	4.19E+01	3.06E+00	3.89E+01
1.05E-01	6.01E-02	2.78E-03	1.27E-05	2.77E-03	4.47E+01	3.07E+00	4.16E+01
1.04E-01	5.92E-02	2.78E-03	1.17E-05	2.77E-03	4.75E+01	3.09E+00	4.44E+01
1.04E-01	5.83E-02	2.78E-03	1.09E-05	2.77E-03	5.03E+01	3.10E+00	4.72E+01
1.03E-01	5.75E-02	2.78E-03	1.01E-05	2.77E-03	5.30E+01	3.11E+00	4.99E+01
1.02E-01	5.68E-02	2.78E-03	9.35E-06	2.77E-03	5.58E+01	3.12E+00	5.27E+01
1.02E-01	5.61E-02	2.78E-03	8.71E-06	2.77E-03	5.86E+01	3.13E+00	5.55E+01
1.02E-01	5.58E-02	2.78E-03	8.41E-06	2.77E-03	6.00E+01	3.13E+00	5.69E+01
7.45E-01	7.09E-01	2.78E-02	4.50E-03	2.33E-02	6.00E+01	3.13E+00	5.69E+01
7.44E-01	7.08E-01	2.78E-02	4.93E-03	2.28E-02	6.00E+01	3.13E+00	5.69E+01
7.43E-01	7.08E-01	2.78E-02	5.43E-03	2.23E-02	6.00E+01	3.14E+00	5.69E+01
7.41E-01	7.06E-01	2.78E-02	5.71E-03	2.21E-02	6.00E+01	3.14E+00	5.69E+01
7.39E-01	7.05E-01	2.78E-02	5.67E-03	2.21E-02	6.01E+01	3.14E+00	5.69E+01
7.36E-01	7.03E-01	2.78E-02	5.22E-03	2.26E-02	6.01E+01	3.14E+00	5.69E+01
7.34E-01	7.01E-01	2.78E-02	4.38E-03	2.34E-02	6.01E+01	3.15E+00	5.70E+01
7.30E-01	6.98E-01	2.78E-02	3.05E-03	2.47E-02	6.02E+01	3.16E+00	5.70E+01
7.27E-01	6.95E-01	2.78E-02	1.88E-03	2.59E-02	6.02E+01	3.16E+00	5.71E+01
7.26E-01	6.93E-01	2.78E-02	1.39E-03	2.64E-02	6.03E+01	3.16E+00	5.71E+01

7.23E-01	6.91E-01	2.78E-02	9.11E-04	2.69E-02	6.04E+01	3.17E+00	5.72E+01
7.21E-01	6.89E-01	2.78E-02	6.54E-04	2.71E-02	6.05E+01	3.17E+00	5.74E+01
7.18E-01	6.85E-01	2.78E-02	4.55E-04	2.73E-02	6.08E+01	3.17E+00	5.76E+01
7.15E-01	6.82E-01	2.78E-02	3.30E-04	2.74E-02	6.12E+01	3.18E+00	5.80E+01
7.09E-01	6.76E-01	2.78E-02	2.45E-04	2.75E-02	6.21E+01	3.19E+00	5.89E+01
7.02E-01	6.68E-01	2.78E-02	1.81E-04	2.76E-02	6.38E+01	3.20E+00	6.06E+01
6.92E-01	6.57E-01	2.78E-02	1.30E-04	2.76E-02	6.72E+01	3.21E+00	6.40E+01
6.79E-01	6.42E-01	2.78E-02	9.14E-05	2.77E-02	7.41E+01	3.24E+00	7.08E+01
6.62E-01	6.25E-01	2.78E-02	6.49E-05	2.77E-02	8.66E+01	3.27E+00	8.33E+01
6.41E-01	6.02E-01	2.78E-02	4.34E-05	2.77E-02	1.12E+02	3.30E+00	1.08E+02
6.26E-01	5.83E-01	2.78E-02	3.09E-05	2.77E-02	1.39E+02	3.34E+00	1.36E+02
6.14E-01	5.68E-01	2.78E-02	2.33E-05	2.78E-02	1.67E+02	3.36E+00	1.64E+02
6.06E-01	5.57E-01	2.78E-02	1.84E-05	2.78E-02	1.95E+02	3.38E+00	1.92E+02
5.99E-01	5.47E-01	2.78E-02	1.49E-05	2.78E-02	2.23E+02	3.39E+00	2.19E+02
5.93E-01	5.38E-01	2.78E-02	1.25E-05	2.78E-02	2.51E+02	3.40E+00	2.47E+02
5.88E-01	5.30E-01	2.78E-02	1.07E-05	2.78E-02	2.78E+02	3.42E+00	2.75E+02
5.84E-01	5.22E-01	2.78E-02	9.29E-06	2.78E-02	3.06E+02	3.42E+00	3.03E+02
5.80E-01	5.15E-01	2.78E-02	8.22E-06	2.78E-02	3.34E+02	3.43E+00	3.30E+02
5.76E-01	5.09E-01	2.78E-02	7.38E-06	2.78E-02	3.62E+02	3.44E+00	3.58E+02
5.73E-01	5.02E-01	2.78E-02	6.71E-06	2.78E-02	3.89E+02	3.45E+00	3.86E+02
5.70E-01	4.96E-01	2.78E-02	6.17E-06	2.78E-02	4.17E+02	3.45E+00	4.14E+02
5.68E-01	4.90E-01	2.78E-02	5.72E-06	2.78E-02	4.45E+02	3.46E+00	4.42E+02
5.66E-01	4.87E-01	2.78E-02	5.51E-06	2.78E-02	4.60E+02	3.46E+00	4.57E+02
1.66E+00	1.59E+00	8.33E-02	2.43E-03	8.09E-02	4.60E+02	3.46E+00	4.57E+02
1.66E+00	1.59E+00	8.33E-02	2.41E-03	8.09E-02	4.60E+02	3.46E+00	4.57E+02
1.66E+00	1.59E+00	8.33E-02	2.03E-03	8.13E-02	4.60E+02	3.47E+00	4.57E+02
1.66E+00	1.58E+00	8.33E-02	1.44E-03	8.19E-02	4.60E+02	3.47E+00	4.57E+02
1.66E+00	1.58E+00	8.33E-02	8.24E-04	8.25E-02	4.60E+02	3.47E+00	4.57E+02
1.66E+00	1.58E+00	8.33E-02	4.08E-04	8.29E-02	4.60E+02	3.47E+00	4.57E+02
1.66E+00	1.58E+00	8.33E-02	2.08E-04	8.31E-02	4.61E+02	3.47E+00	4.57E+02
1.66E+00	1.58E+00	8.33E-02	1.17E-04	8.32E-02	4.62E+02	3.47E+00	4.58E+02
1.65E+00	1.57E+00	8.33E-02	6.88E-05	8.33E-02	4.63E+02	3.47E+00	4.60E+02
1.65E+00	1.56E+00	8.33E-02	4.23E-05	8.33E-02	4.66E+02	3.47E+00	4.63E+02
1.65E+00	1.56E+00	8.33E-02	2.77E-05	8.33E-02	4.72E+02	3.47E+00	4.68E+02
1.65E+00	1.54E+00	8.33E-02	2.00E-05	8.33E-02	4.84E+02	3.48E+00	4.80E+02
1.64E+00	1.52E+00	8.33E-02	1.62E-05	8.33E-02	5.07E+02	3.48E+00	5.04E+02
1.63E+00	1.49E+00	8.33E-02	1.41E-05	8.33E-02	5.54E+02	3.49E+00	5.51E+02
1.61E+00	1.45E+00	8.33E-02	1.25E-05	8.33E-02	6.38E+02	3.50E+00	6.34E+02
1.59E+00	1.42E+00	8.33E-02	1.14E-05	8.33E-02	7.21E+02	3.51E+00	7.18E+02
1.58E+00	1.38E+00	8.33E-02	1.07E-05	8.33E-02	8.04E+02	3.53E+00	8.01E+02
1.56E+00	1.35E+00	8.33E-02	1.02E-05	8.33E-02	8.88E+02	3.54E+00	8.84E+02
1.55E+00	1.32E+00	8.33E-02	9.77E-06	8.33E-02	9.71E+02	3.54E+00	9.68E+02
1.54E+00	1.29E+00	8.33E-02	9.45E-06	8.33E-02	1.05E+03	3.55E+00	1.05E+03
1.54E+00	1.29E+00	8.33E-02	9.43E-06	8.33E-02	1.06E+03	3.56E+00	1.06E+03