50-305

RESPONSE TO NUREG-0737 ITEM II.D.1

Docket #50-305
Control #8403280048
Date 3/23/84 of Document:
REGULATORY DOCKET FILE

54540000	17.762	220.20	1.0000	0.94800	1.0000	1.0000	114.16	157.68	157.68	0
54550000	17.768	220.21	1.0000	0.94800	1.0000	1.0000	114.17	157.73	157.73	0
54560000	17.774	220.22	1.0000	0.94800	1.0000	1.0000	114.18	157.78	157.78	0
54570000	17.779	220.22	1.0000	0.94800	1.0000	1.0000	114.19	157.82	157.82	0
54580000	17.784	220.23	1.0000	0.94800	1.0000	1.0000	114.20	157.86	157.86	0
54590000	17.788	220.24	1.0000	0.94800	1.0000	1.0000	114.21	157.90	157.90	0
54600000	17.792	220.24	1.0000	0.94800	1.0000	1.0000	114.22	157.93	157.93	0
54610000	17.795	220.25	1.0000	0.94800	1.0000	1.0000	114.22	157.95	157.95	0
54620000	17.797	220.25	1.0000	0.94800	1.0000	1.0000	114.23	157.97	157.97	0
54630000	17.799	220.25	1.0000	0.94800	1.0000	1.0000	114.23	157.99	157.99	0
54640000	17.801	220.25	1.0000	0.94800	1.0000	1.0000	114.24	158.00	158.00	0
54650000	17.802	220.26	1.0000	0.94800	1.0000	1.0000	114.24	158.00	158.00	0
54660000	17.803	220.26	1.0000	0.94800	1.0000	1.0000	114.24	158.00	158.00	0
54670000	17.804	220.26	1.0000	0.94800	1.0000	1.0000	114.24	158.00	158.00	0
54680000	17.805	220.26	1.0000	0.94800	1.0000	1.0000	114.24	158.00	158.00	0
54690000	17.806	220.25	1.0000	0.94800	1.0000	1.0000	114.25	158.00	158.00	0
54700000	17.806	220.25	1.0000	0.94800	1.0000	1.0000	114.25	157.99	157.99	0
54710000	17.807	220.25	1.0000	0.94800	1.0000	1.0000	114.25	157.99	157.99	0
54720000	17.807	220.25	1.0000	0.94800	1.0000	1.0000	114.25	157.99	157.99	0
54730000	17.808	220.25	1.0000	0.94800	1.0000	1.0000	114.25	157.99	157.99	0
54740000	17.808	220.26	1.0000	0.94800	1.0000	1.0000	114.25	158.00	158.00	0
54750000	17.809	220.26	1.0000	0.94800	1.0000	1.0000	114.25	158.00	158.00	0
54760000	17.810	220.26	1.0000	0.94800	1.0000	1.0000	114.25	158.01	158.01	0
54770000	17.811	220.26	1.0000	0.94800	1.0000	1.0000	114.26	158.02	158.02	0
54780000	17.813	220.26	1.0000	0.94800	1.0000	1.0000	114.26	158.04	158.04	0
54790000	17.814	220.27	1.0000	0.94800	1.0000	1.0000	114.26	158.05	158.05	0
54800000	17.816	220.27	1.0000	0.94800	1.0000	1.0000	114.27	158.08	158.08	0
54810000	17.819	220.27	1.0000	0.94800	1.0000	1.0000	114.27	158.10	158.10	0
54820000	17.822	220.28	1.0000	0.94800	1.0000	1.0000	114.28	158.13	158.13	0
54830000	17.825	220.29	1.0000	0.94800	1.0000	1.0000	114.28	158.17	158.17	0
54840000	17.829	220.29	1.0000	0.94800	1.0000	1.0000	114.29	158.21	158.21	0
54850000	17.834	220.30	1.0000	0.94800	1.0000	1.0000	114.30	158.26	158.26	0
54860000	17.839	220.31	1.0000	0.94800	1.0000	1.0000	114.31	158.31	158.31	0
54870000	17.846	220.32	1.0000	0.94800	1.0000	1.0000	114.33	158.37	158.37	0
54880000	17.853	220.34	1.0000	0.94800	1.0000	1.0000	114.34	158.44	158.44	0
54890000	17.861	220.35	1.0000	0.94800	1.0000	1.0000	114.35	158.52	158.52	0
54900000	17.869	220.36	1.0000	0.94800	1.0000	1.0000	114.37	158.60	158.60	0
54910000	17.879	220.38	1.0000	0.94800	1.0000	1.0000	114.39	158.69	158.69	0
54920000	17.890	220.40	1.0000	0.94800	1.0000	1.0000	114.41	158.79	158.79	0
54930000	17.901	220.42	1.0000	0.94800	1.0000	1.0000	114.43	158.89	158.89	0
54940000	17.913	220.44	1.0000	0.94800	1.0000	1.0000	114.46	159.01	159.01	0
54950000	17.926	220.46	1.0000	0.94800	1.0000	1.0000	114.48	159.13	159.13	0
C-56	PIPE	COMPONENT								
56010000	17.906	220.50	1.0000	0.94800	1.0000	1.0000	114.44	159.33	159.33	0
56020000	17.929	220.53	1.0000	0.94800	1.0000	1.0000	114.49	159.53	159.53	0
56030000	17.954	220.57	1.0000	0.94800	1.0000	1.0000	114.54	159.71	159.71	0
56040000	17.981	220.60	1.0000	0.94800	1.0000	1.0000	114.59	159.88	159.88	0
56050000	18.009	220.63	1.0000	0.94800	1.0000	1.0000	114.65	160.07	160.07	0
56060000	18.037	220.67	1.0000	0.94800	1.0000	1.0000	114.70	160.30	160.30	0
56070000	18.066	220.72	1.0000	0.94800	1.0000	1.0000	114.76	160.55	160.55	0
56080000	18.096	220.77	1.0000	0.94800	1.0000	1.0000	114.81	160.82	160.82	0
56090000	18.125	220.82	1.0000	0.94800	1.0000	1.0000	114.87	161.09	161.09	0
56100000	18.153	220.86	1.0000	0.94800	1.0000	1.0000	114.93	161.34	161.34	0
56110000	18.181	220.91	1.0000	0.94800	1.0000	1.0000	114.98	161.58	161.58	0
56120000	18.207	220.94	1.0000	0.94800	1.0000	1.0000	115.03	161.79	161.79	0
56130000	18.231	220.98	1.0000	0.94800	1.0000	1.0000	115.08	161.96	161.96	0
56140000	18.251	221.00	1.0000	0.94800	1.0000	1.0000	115.12	162.11	162.11	0
56150000	18.265	221.02	1.0000	0.94800	1.0000	1.0000	115.14	162.22	162.22	0
56160000	18.273	221.03	1.0000	0.94800	1.0000	1.0000	115.16	162.27	162.27	0
56170000	18.270	221.03	1.0000	0.94800	1.0000	1.0000	115.15	162.24	162.24	0
56180000	18.256	221.00	1.0000	0.94800	1.0000	1.0000	115.13	162.09	162.09	0
56190000	18.226	220.94	1.0000	0.94800	1.0000	1.0000	115.07	161.77	161.77	0
56200000	18.177	220.84	1.0000	0.94800	1.0000	1.0000	114.97	161.23	161.23	0
56210000	18.106	220.70	1.0000	0.94800	1.0000	1.0000	114.84	160.47	160.47	0
56220000	18.013	220.52	1.0000	0.94800	1.0000	1.0000	114.65	159.48	159.48	0
56230000	17.896	220.31	1.0000	0.94800	1.0000	1.0000	114.42	158.28	158.28	0
56240000	17.760	220.06	1.0000	0.94800	1.0000	1.0000	114.15	156.92	156.92	0
56250000	17.609	219.79	1.0000	0.94800	1.0000	1.0000	113.85	155.43	155.43	0
56260000	17.452	219.51	1.0000	0.94800	1.0000	1.0000	113.54	153.88	153.88	0
56270000	17.296	219.23	1.0000	0.94800	1.0000	1.0000	113.22	152.36	152.36	0
56280000	17.149	218.97	1.0000	0.94800	1.0000	1.0000	112.92	150.94	150.94	0
56290000	17.016	218.74	1.0000	0.94800	1.0000	1.0000	112.65	149.66	149.66	0
56300000	16.898	218.54	1.0000	0.94800	1.0000	1.0000	112.41	148.54	148.54	0
56310000	16.797	218.36	1.0000	0.94800	1.0000	1.0000	112.20	147.54	147.54	0
56320000	16.708	218.19	1.0000	0.94800	1.0000	1.0000	112.01	146.62	146.62	0
56330000	16.631	218.03	1.0000	0.94800	1.0000	1.0000	111.85	145.76	145.76	0
56340000	16.559	217.89	1.0000	0.94800	1.0000	1.0000	111.70	144.99	144.99	0
56350000	16.491	217.77	1.0000	0.94800	1.0000	1.0000	111.56	144.30	144.30	0
C-58	PIPE	COMPONENT								
58010000	16.413	217.63	1.0000	0.94800	1.0000	1.0000	111.39	143.55	143.55	0
58020000	16.329	217.47	1.0000	0.94800	1.0000	1.0000	111.21	142.67	142.67	0
58030000	16.234	217.29	1.0000	0.94800	1.0000	1.0000	111.01	141.65	141.65	0
58040000	16.125	217.08	1.0000	0.94800	1.0000	1.0000	110.78	140.50	140.50	0
58050000	16.004	216.84	1.0000	0.94800	1.0000	1.0000	110.51	139.19	139.19	0

56180000	18.256	221.00	1.0000	0.94800	1.0000	1.0000	115.13	162.09	162.09	0
56190000	18.226	220.94	1.0000	0.94800	1.0000	1.0000	115.07	161.77	161.77	0
56200000	18.177	220.84	1.0000	0.94800	1.0000	1.0000	114.97	161.23	161.23	0
56210000	18.106	220.70	1.0000	0.94800	1.0000	1.0000	114.84	160.47	160.47	0
56220000	18.013	220.52	1.0000	0.94800	1.0000	1.0000	114.65	159.48	159.48	0
56230000	17.896	220.31	1.0000	0.94800	1.0000	1.0000	114.42	158.28	158.28	0
56240000	17.760	220.06	1.0000	0.94800	1.0000	1.0000	114.15	156.92	156.92	0
56250000	17.609	219.79	1.0000	0.94800	1.0000	1.0000	113.85	155.43	155.43	0
56260000	17.452	219.51	1.0000	0.94800	1.0000	1.0000	113.54	153.88	153.88	0
56270000	17.296	219.23	1.0000	0.94800	1.0000	1.0000	113.22	152.36	152.36	0
56280000	17.149	218.97	1.0000	0.94800	1.0000	1.0000	112.92	150.94	150.94	0
56290000	17.016	218.74	1.0000	0.94800	1.0000	1.0000	112.65	149.66	149.66	0
56300000	16.898	218.54	1.0000	0.94800	1.0000	1.0000	112.41	148.54	148.54	0
56310000	16.797	218.36	1.0000	0.94800	1.0000	1.0000	112.20	147.54	147.54	0
56320000	16.708	218.19	1.0000	0.94800	1.0000	1.0000	112.01	146.62	146.62	0
56330000	16.631	218.03	1.0000	0.94800	1.0000	1.0000	111.85	145.76	145.76	0
56340000	16.559	217.89	1.0000	0.94800	1.0000	1.0000	111.70	144.99	144.99	0
56350000	16.491	217.77	1.0000	0.94800	1.0000	1.0000	111.56	144.30	144.30	0
C-58 PIPE COMPONENT										
58010000	16.413	217.63	1.0000	0.94800	1.0000	1.0000	111.39	143.55	143.55	0
58020000	16.329	217.47	1.0000	0.94800	1.0000	1.0000	111.21	142.67	142.67	0
58030000	16.234	217.29	1.0000	0.94800	1.0000	1.0000	111.01	141.65	141.65	0
58040000	16.125	217.08	1.0000	0.94800	1.0000	1.0000	110.78	140.50	140.50	0
58050000	16.004	216.84	1.0000	0.94800	1.0000	1.0000	110.51	139.19	139.19	0
58060000	15.874	216.58	1.0000	0.94800	1.0000	1.0000	110.23	137.77	137.77	0
58070000	15.741	216.32	1.0000	0.94800	1.0000	1.0000	109.94	136.32	136.32	0
C-60 PIPE COMPONENT										
60010000	15.604	216.05	1.0000	0.94799	1.0000	1.0000	109.64	134.84	134.84	0
60020000	15.479	215.93	1.0000	0.94778	1.0000	1.0000	109.50	133.13	133.13	0
60030000	15.375	215.01	0.98829	0.93170	0.98829	0.99998	112.34	112.35	112.34	0
C-62 PIPE COMPONENT										
62010000	15.278	150.90	0.50069	0.47042	0.50069	0.99888	113.95	113.95	113.95	0
62020000	15.236	90.183	1.79745E-02	1.66826E-02	1.79704E-02	0.94320	119.65	119.76	119.66	0
C-64 SNGLVOL COMPONENT										
64010000	15.062	87.957	1.76420E-08	1.66753E-08	1.79884E-08	1.57657E-05	120.00	110.15	120.00	10
C-66 SNGLVOL COMPONENT										
66010000	14.727	87.957	0.00000	0.00000	0.00000	0.00000	120.00	120.00	120.00	10
C-68 SNGLVOL COMPONENT										
68010000	14.609	87.957	0.00000	0.00000	0.00000	0.00000	120.00	120.00	120.00	10
C-69 BRANCH COMPONENT										
69010000	13.823	87.957	0.00000	0.00000	0.00000	0.00000	120.00	120.00	120.00	10
C-70 BRANCH COMPONENT										
70010000	13.577	87.957	0.00000	0.00000	0.00000	0.00000	120.00	120.00	120.00	10
C-71 SNGLVOL COMPONENT										
71010000	13.504	87.957	0.00000	0.00000	0.00000	0.00000	120.00	120.00	120.00	10
C-73 BRANCH COMPONENT										
73010000	12.406	87.955	8.38149E-08	7.88618E-08	8.65699E-08	9.04955E-05	120.00	106.01	120.00	0
C-75 SNGLVOL COMPONENT										
75010000	12.185	202.11	0.87975	0.82547	0.87975	0.99987	106.82	106.81	106.82	0
C-76 PIPE COMPONENT										
76010000	245.30	960.36	0.81116	0.00000	0.79077	0.99753	399.33	364.53	399.33	10
76020000	190.27	946.66	0.79602	0.00000	0.78177	0.99794	377.65	350.65	377.65	10
76030000	166.91	938.90	0.78506	0.00000	0.77636	0.99811	366.94	349.52	366.94	10
76040000	151.01	933.27	0.77823	0.00000	0.77273	0.99824	358.96	347.51	358.96	0
C-79 SNGLVOL COMPONENT										
79010000	2689.8	1014.6	1.0000	0.00000	1.0000	1.0000	679.04	679.04	679.04	0
C-81 SNGLVOL COMPONENT										
81010000	2689.8	1014.5	1.0000	0.00000	1.0000	1.0000	679.02	679.02	679.02	0
C-83 PIPE COMPONENT										
83010000	2696.7	1014.8	1.0000	0.00000	1.0000	1.0000	679.69	679.69	679.69	0
83020000	2696.6	1014.5	1.0000	0.00000	1.0000	1.0000	679.60	679.60	679.60	0
C-85 PIPE COMPONENT										
85010000	2697.3	1014.5	1.0000	0.00000	1.0000	1.0000	679.64	679.64	679.64	0
85020000	2697.5	1014.9	1.0000	0.00000	1.0000	1.0000	679.76	679.76	679.76	0
C-87 PIPE COMPONENT										
87010000	2689.8	1014.3	0.99999	0.00000	0.99991	1.0000	678.96	678.96	678.96	0
C-89 SNGLVOL COMPONENT										
89010000	2690.4	1014.2	0.99999	0.00000	0.99979	1.0000	679.00	678.98	679.00	0
C-91 PIPE COMPONENT										
91010000	2686.1	1013.7	1.0000	0.00000	0.99834	1.0000	678.76	678.55	678.76	0
91020000	2687.7	1013.9	0.99999	0.00000	0.99964	1.0000	678.85	678.71	678.85	0
91030000	2689.2	1014.1	0.99999	0.00000	0.99888	1.0000	678.93	678.87	678.93	0
C-93 SNGLVOL COMPONENT										
93010000	14.651	218.71	0.97961	0.91828	0.97961	0.99997	113.67	113.67	113.67	0
C-95 SNGLVOL COMPONENT										
95010000	117.75	924.20	0.77012	0.00000	0.77010	0.99859	339.84	339.80	339.84	0
C-96 SNGLVOL COMPONENT										
96010000	135.66	933.73	0.77716	0.00000	0.77716	0.99844	350.60	350.61	350.60	0
C-97 BRANCH COMPONENT										
97010000	104.59	917.57	0.77007	0.00000	0.76598	0.99873	331.08	321.60	331.08	0
C-99 SNGLVOL COMPONENT										
99010000	2666.6	1014.4	0.99999	0.00000	0.99145	1.0000	677.67	677.16	677.67	0
C-101 SNGLVOL COMPONENT										
101010000	2666.9	1014.3	0.99999	0.00000	0.99145	1.0000	677.69	677.18	677.69	0
C-103 PIPE COMPONENT										

83020000	2696.6	1014.5	1.0000	0.00000	1.0000	1.0000	679.60	679.60	679.60	0
C-85	PIPE	COMPONENT								
85010000	2697.3	1014.5	1.0000	0.00000	1.0000	1.0000	679.64	679.64	679.64	0
85020000	2697.5	1014.9	1.0000	0.00000	1.0000	1.0000	679.76	679.76	679.76	0
C-87	PIPE	COMPONENT								
87010000	2689.8	1014.3	0.99999	0.00000	0.99991	1.0000	678.96	678.96	678.96	0
C-89	SNGLVOL	COMPONENT								
89010000	2690.4	1014.2	0.99999	0.00000	0.99979	1.0000	679.00	678.98	679.00	0
C-91	PIPE	COMPONENT								
91010000	2686.1	1013.7	1.0000	0.00000	0.99636	1.0000	678.76	678.55	678.76	0
91020000	2687.7	1013.9	0.99999	0.00000	0.99764	1.0000	678.85	678.71	678.85	0
91030000	2689.2	1014.1	0.99999	0.00000	0.99888	1.0000	678.93	678.87	678.93	0
C-93	SNGLVOL	COMPONENT								
93010000	14.651	218.71	0.97961	0.91828	0.97961	0.99997	113.67	113.67	113.67	0
C-95	SNGLVOL	COMPONENT								
95010000	117.75	924.20	0.77012	0.00000	0.77010	0.99859	339.84	339.80	339.84	0
C-96	SNGLVOL	COMPONENT								
96010000	135.66	933.73	0.77716	0.00000	0.77716	0.99844	350.60	350.61	350.60	0
C-97	BRANCH	COMPONENT								
97010000	104.59	917.57	0.77007	0.00000	0.76598	0.99873	331.08	321.60	331.08	0
C-99	SNGLVOL	COMPONENT								
99010000	2666.6	1014.4	0.99999	0.00000	0.99145	1.0000	677.67	677.16	677.67	0
C-101	SNGLVOL	COMPONENT								
101010000	2666.9	1014.3	0.99999	0.00000	0.99145	1.0000	677.69	677.18	677.69	0
C-103	PIPE	COMPONENT								
103010000	2669.0	1014.3	1.0000	0.00000	0.99195	1.0000	677.81	677.33	677.81	0
103020000	2668.5	1014.3	0.99999	0.00000	0.99189	1.0000	677.78	677.29	677.78	0
C-105	PIPE	COMPONENT								
105010000	2672.5	1014.1	1.0000	0.00000	0.99278	1.0000	678.00	677.57	678.00	0
105020000	2671.1	1014.2	1.0000	0.00000	0.99254	1.0000	677.92	677.48	677.92	0
C-107	SNGLVOL	COMPONENT								
107010000	2673.8	1014.0	0.99999	0.00000	0.99293	1.0000	678.08	677.66	678.08	0
C-109	SNGLVOL	COMPONENT								
109010000	2676.5	1014.0	0.99999	0.00000	0.99372	1.0000	678.22	677.85	678.22	0
C-111	PIPE	COMPONENT								
111010000	2683.3	1013.7	1.0000	0.00000	0.99516	1.0000	678.60	678.32	678.60	0
111020000	2680.7	1013.8	0.99999	0.00000	0.99462	1.0000	678.46	678.15	678.46	0
111030000	2678.3	1013.9	0.99999	0.00000	0.99414	1.0000	678.33	677.98	678.33	0
C-113	TMDPVOL	COMPONENT								
113010000	2696.2	1013.6	1.0000	0.00000	1.0000	1.0000	679.32	679.32	679.32	0
C-114	PIPE	COMPONENT								
114010000	132.56	937.33	0.78255	0.00000	0.78255	0.99852	348.82	348.82	348.82	0
114020000	132.30	938.49	0.78409	2.57272E-09	0.78409	0.99854	348.67	348.67	348.67	0
114030000	132.04	866.45	0.69285	4.37265E-05	0.69285	0.99766	348.52	348.53	348.52	0
C-136	SNGLVOL	COMPONENT								
136010000	152.90	935.17	0.77657	0.00000	0.77473	0.99823	359.94	356.11	359.94	0
V-CASE	SNGLVOL	COMPONENT								
178010000	2008.8	999.72	0.83108	0.00000	0.83108	0.97284	636.43	636.43	636.43	11
C-193	SNGLVOL	COMPONENT								
193010000	14.521	216.76	0.98426	0.92520	0.98426	0.99998	111.93	111.93	111.93	0
C-195	PIPE	COMPONENT								
195010000	107.73	921.72	0.77010	0.00000	0.77010	0.99871	333.25	333.25	333.25	0
195020000	109.41	924.51	0.77304	0.00000	0.77305	0.99871	334.39	334.39	334.39	0
V-CASE	SNGLVOL	COMPONENT								
198010000	1993.7	998.72	0.82754	0.00000	0.82754	0.97255	635.36	635.36	635.36	11

VOL.NO.	RHO (LB/FT3)	RHOF (LB/FT3)	RHOG (LB/FT3)	VOLUME (FT3)	UF (BTU/LB)	UG (BTU/LB)	SOUNDE (FT/SEC)	HEAT INPUT (BTU/SEC)	VAPOR GEN. (LB/FT3-SEC)
1010000	8.9053	33.060	8.9053	0.00000	741.99	1013.6	1085.3	0.00000	10.976
36010000	0.70871	53.617	0.57323	0.14070	375.24	1100.0	1362.7	0.00000	-20.864
36020000	0.56366	54.428	0.44615	0.14070	353.72	1104.3	1351.9	0.00000	-12.541
36030000	0.50348	54.795	0.39383	0.14070	343.65	1107.1	1345.4	0.00000	-7.2386
38010000	0.41652	55.322	0.32701	0.35072	328.88	1110.2	1350.2	0.00000	-7.47343E-02
38020000	0.41504	55.324	0.32694	0.35072	328.82	1110.0	1352.6	0.00000	-0.25255
38030000	0.58949	55.316	0.32799	0.35072	329.05	1109.3	1107.9	0.00000	-0.14117
38040000	8.5229	56.033	0.34405	0.35072	308.56	1000.8	144.88	0.00000	-70.371
38050000	31.428	58.417	0.48773	0.35072	233.14	627.43	226.41	0.00000	-16.576
38060000	42.868	59.025	0.72339	0.35072	211.80	353.23	288.41	0.00000	-2.9287
38070000	41.171	58.550	0.65026	0.35072	228.61	343.05	248.01	0.00000	-1.3058
40010000	0.42136	55.293	0.33007	0.21862	329.70	1110.3	1348.7	0.00000	0.76599
42010000	12.216	56.367	0.41687	0.32880	298.81	831.50	167.44	0.00000	-50.183
44010000	0.25910	56.744	0.19905	0.16683	286.91	1097.6	1315.3	0.00000	-7.1646
46010000	0.37423	55.640	0.29384	0.20824	319.79	1108.8	1348.0	0.00000	4.7205
46020000	0.38014	55.607	0.29719	0.35620	320.73	1108.9	1345.0	0.00000	-4.49949E-02
46030000	0.37888	55.615	0.29641	0.35620	320.51	1108.9	1345.4	0.00000	-5.21611E-02
48010000	0.22132	57.426	0.14602	0.27948	265.33	1098.6	1203.2	0.00000	3.7032
48020000	0.22608	57.591	0.13547	0.27948	259.98	1097.4	1137.7	0.00000	-0.22581
48030000	0.24820	57.637	0.13263	0.27948	258.48	1097.0	1065.6	0.00000	-3.91584E-02
48040000	0.28525	57.661	0.13119	0.27948	257.71	1096.7	977.33	0.00000	-5.03728E-04
48050000	0.36412	57.684	0.12977	0.27948	256.94	1096.4	840.99	0.00000	6.85637E-02
48060000	0.57269	57.744	0.12628	0.27948	254.99	1095.7	624.93	0.00000	-0.15705
48070000	1.0112	57.773	0.12484	0.27948	254.01	1095.3	422.87	0.00000	-1.1237
48080000	2.2562	57.869	0.12021	0.27948	250.84	1094.1	221.98	0.00000	-4.6630
48090000	6.0068	58.166	0.10803	0.27948	240.86	1088.9	74.832	0.00000	-20.617
50010000	11.591	58.603	8.90786E-02	0.28824	225.67	1068.7	33.915	0.00000	-21.680
50020000	14.667	58.978	7.61075E-02	0.28824	212.20	1016.7	35.507	0.00000	-9.4568
50030000	12.346	59.285	6.77146E-02	0.28824	200.77	931.76	46.234	0.00000	-3.7476
50040000	7.7258	59.562	6.33301E-02	0.28824	190.14	830.54	65.340	0.00000	-1.4891
50050000	4.4064	59.809	6.24303E-02	0.28824					

36020000	0.56366	54.428	0.44615	0.14070	353.72	1104.3	1351.9	0.00000	-12.541
36030000	0.50348	54.795	0.35383	0.14070	343.65	1107.1	1345.4	0.00000	-7.2386
38010000	0.41652	55.322	0.32701	0.35072	328.98	1110.2	1350.2	0.00000	-7.47343E-02
38020000	0.41504	55.324	0.32694	0.35072	328.82	1110.0	1352.6	0.00000	-0.25255
38030000	0.58949	55.316	0.32799	0.35072	329.05	1109.3	1107.9	0.00000	-0.14117
38040000	8.5229	56.033	0.34405	0.35072	308.56	1000.8	144.88	0.00000	-70.371
38050000	31.428	58.417	0.48773	0.35072	233.14	627.43	226.41	0.00000	-16.576
38060000	42.868	59.025	0.72339	0.35072	211.80	353.23	288.41	0.00000	-2.9287
38070000	41.171	58.550	0.65026	0.35072	228.61	343.05	248.01	0.00000	-1.3058
40010000	0.42136	55.293	0.33007	0.21862	329.70	1110.3	1348.7	0.00000	0.76599
42010000	12.216	56.367	0.41687	0.32880	298.81	831.50	167.44	0.00000	-50.183
44010000	0.25910	56.744	0.19905	0.16683	286.91	1097.6	1315.3	0.00000	-7.1646
46010000	0.37423	55.640	0.29384	0.20824	319.79	1108.8	1348.0	0.00000	4.7205
46020000	0.38014	55.607	0.29719	0.35620	320.73	1108.9	1345.0	0.00000	-4.49949E-02

46030000	0.37888	55.615	0.29641	0.35620	320.51	1108.9	1345.4	0.00000	-5.21611E-02
48010000	0.22132	57.426	0.14602	0.27948	265.33	1098.6	1203.2	0.00000	3.7032
48020000	0.22608	57.591	0.13547	0.27948	259.98	1097.4	1137.7	0.00000	-0.22581
48030000	0.24820	57.637	0.13263	0.27948	258.48	1097.0	1065.6	0.00000	-3.91584E-02
48040000	0.28525	57.661	0.13119	0.27948	257.71	1096.7	977.33	0.00000	-5.03728E-04
48050000	0.36412	57.684	0.12977	0.27948	256.94	1096.4	840.99	0.00000	6.85637E-02
48060000	0.57269	57.744	0.12628	0.27948	254.99	1095.7	624.83	0.00000	-0.15705
48070000	1.0112	57.773	0.12484	0.27948	254.01	1095.3	422.87	0.00000	-1.1237
48080000	2.2562	57.869	0.12021	0.27948	250.84	1094.1	221.98	0.00000	-4.6630
48090000	6.0068	58.166	0.10803	0.27948	240.86	1088.9	74.832	0.00000	-20.617
50010000	11.591	58.603	8.90786E-02	0.28824	225.67	1068.7	33.915	0.00000	-21.680
50020000	14.667	58.978	7.61075E-02	0.28824	212.20	1016.7	35.507	0.00000	-9.4568
50030000	12.346	59.285	6.77146E-02	0.28824	200.77	931.76	46.234	0.00000	-3.7476
50040000	7.7258	59.562	6.33301E-02	0.28824	190.14	830.54	65.340	0.00000	-1.4891
50050000	4.4064	59.809	6.24303E-02	0.28824	180.36	727.26	96.761	0.00000	-1.1129
52010000	3.3687	60.021	6.34957E-02	0.27400	171.73	638.03	119.22	0.00000	-1.5338
54010000	2.4051	60.178	6.39849E-02	0.30578	165.17	576.17	148.77	0.00000	-0.79840
54020000	1.8829	60.280	6.46887E-02	0.30578	160.81	537.53	174.13	0.00000	-0.43880
54030000	1.5113	60.353	6.53830E-02	0.30578	157.67	511.00	199.84	0.00000	-0.23892
54040000	1.2418	60.413	6.61207E-02	0.30578	155.03	489.65	225.83	0.00000	-0.18448
54050000	1.0716	60.470	6.70293E-02	0.30578	152.54	469.84	248.09	0.00000	-0.19883
54060000	1.0239	60.526	6.80924E-02	0.30578	150.02	450.36	257.03	0.00000	-0.19621
54070000	1.0123	60.597	6.71396E-02	0.30578	146.80	435.36	256.48	0.00000	-2.88787E-03
54080000	0.93039	60.667	6.74346E-02	0.30578	143.62	417.12	269.56	0.00000	-1.45649E-02
54090000	0.79794	60.743	6.81439E-02	0.30578	140.10	396.80	295.41	0.00000	9.01976E-03
54100000	0.65025	60.828	6.90539E-02	0.30578	136.07	375.06	333.21	0.00000	4.84312E-02
54110000	0.51222	60.923	7.01014E-02	0.30578	131.50	352.48	382.76	0.00000	4.57436E-02
54120000	0.39580	61.026	7.12670E-02	0.30578	126.42	329.99	443.81	0.00000	7.33753E-02
54130000	0.30385	61.134	7.25078E-02	0.30578	120.99	308.41	515.68	0.00000	5.03024E-02
54140000	0.23445	61.242	7.37887E-02	0.30578	115.34	288.73	596.62	0.00000	5.90373E-02
54150000	0.18382	61.345	7.50315E-02	0.30578	109.76	271.48	683.33	0.00000	3.57062E-02
54160000	0.14796	61.440	7.61686E-02	0.30578	104.49	257.17	770.78	0.00000	2.40734E-02
54170000	0.12324	61.521	7.71439E-02	0.30578	99.829	245.89	852.90	0.00000	2.43043E-02
54180000	0.10662	61.586	7.79218E-02	0.30578	95.972	237.44	924.13	0.00000	1.10706E-02
54190000	9.57391E-02	61.635	7.84812E-02	0.30578	92.991	231.43	980.95	0.00000	6.07635E-03
54200000	8.87862E-02	61.670	7.88380E-02	0.30578	90.835	227.35	1022.7	0.00000	2.87712E-03
54210000	8.44846E-02	61.693	7.90558E-02	0.30578	89.377	224.72	1051.1	0.00000	4.28564E-03
54220000	8.19301E-02	61.707	7.92075E-02	0.30578	88.462	223.11	1069.2	0.00000	2.14536E-03
54230000	8.04812E-02	61.715	7.93331E-02	0.30578	87.938	222.16	1080.2	0.00000	8.48143E-03
54240000	7.96054E-02	61.721	7.93441E-02	0.30578	87.603	221.62	1086.5	0.00000	1.54699E-04
54250000	7.79550E-02	61.747	7.79550E-02	0.30578	85.866	220.94	1070.8	0.00000	5.63208E-02
54260000	7.63385E-02	61.778	7.63385E-02	0.30578	83.878	220.44	1219.2	0.00000	0.00000
54270000	7.54971E-02	61.794	7.54971E-02	0.30578	82.791	220.17	1225.3	0.00000	0.00000
54280000	7.50868E-02	61.802	7.50868E-02	0.30578	82.249	220.03	1228.3	0.00000	0.00000
54290000	7.49028E-02	61.806	7.49028E-02	0.30578	81.994	219.97	1229.7	0.00000	0.00000
54300000	7.48226E-02	61.808	7.48226E-02	0.30578	81.878	219.94	1230.3	0.00000	0.00000
54310000	7.47845E-02	61.808	7.47845E-02	0.30578	81.824	219.92	1230.6	0.00000	0.00000
54320000	7.47653E-02	61.809	7.47653E-02	0.30578	81.798	219.91	1230.7	0.00000	0.00000
54330000	7.47588E-02	61.809	7.47588E-02	0.30578	81.788	219.90	1230.7	0.00000	0.00000
54340000	7.47624E-02	61.808	7.47624E-02	0.30578	81.788	219.91	1230.7	0.00000	0.00000
54350000	7.47727E-02	61.809	7.47727E-02	0.30578	81.793	219.91	1230.8	0.00000	0.00000
54360000	7.47870E-02	61.809	7.47870E-02	0.30578	81.802	219.92	1230.8	0.00000	0.00000
54370000	7.48040E-02	61.809	7.48040E-02	0.30578	81.813	219.93	1230.9	0.00000	0.00000
54380000	7.48242E-02	61.808	7.48242E-02	0.30578	81.826	219.94	1230.9	0.00000	0.00000
54390000	7.48480E-02	61.808	7.48480E-02	0.30578	81.842	219.95	1231.0	0.00000	0.00000
54400000	7.48751E-02	61.808	7.48751E-02	0.30578	81.860	219.97	1231.1	0.00000	0.00000
54410000	7.49048E-02	61.808	7.49048E-02	0.30578	81.879	219.99	1231.2	0.00000	0.00000
54420000	7.49359E-02	61.807	7.49359E-02	0.30578	81.900	220.01	1231.3	0.00000	0.00000
54430000	7.49676E-02	61.807	7.49676E-02	0.30578	81.921	220.03	1231.4	0.00000	0.00000
54440000	7.49994E-02	61.807	7.49994E-02	0.30578	81.942	220.05	1231.5	0.00000	0.00000

54450000	7.50312E-02	61.806	7.50312E-02	0.30578	81.962	220.06	1231.6	0.00000	0.00000
54460000	7.50626E-02	61.806	7.50626E-02	0.30578	81.983	220.08	1231.7	0.00000	0.00000
54470000	7.50938E-02	61.806	7.50938E-02	0.30578	82.003	220.10	1231.8	0.00000	0.00000
54480000	7.51245E-02	61.805	7.51245E-02	0.30578	82.022	220.12	1231.9	0.00000	0.00000
54490000	7.51546E-02	61.805	7.51546E-02	0.30578	82.041	220.13	1232.0	0.00000	0.00000
54500000	7.51838E-02	61.805	7.51838E-02	0.30578	82.060	220.15	1232.1	0.00000	0.00000
54510000	7.52120E-02	61.805	7.52120E-02	0.30578	82.077	220.16	1232.1	0.00000	0.00000
54520000	7.52387E-02	61.804	7.52387E-02	0.30578	82.094	220.17	1232.2	0.00000	0.00000
54530000	7.52637E-02	61.804	7.52637E-02	0.30578	82.109	220.19	1232.3	0.00000	0.00000
54540000	7.52867E-02	61.804	7.52867E-02	0.30578	82.123	220.20	1232.3	0.00000	0.00000
54550000	7.53075E-02	61.804	7.53075E-02	0.30578	82.136	220.21	1232.4	0.00000	0.00000
54560000	7.53263E-02	61.804	7.53263E-02	0.30578	82.148	220.22	1232.4	0.00000	0.00000
54570000	7.53429E-02	61.803	7.53429E-02	0.30578	82.158	220.22	1232.5	0.00000	0.00000
54580000	7.53575E-02	61.803	7.53575E-02	0.30578	82.167	220.23	1232.5	0.00000	0.00000

54310000	7.47845E-02	61.808	7.47845E-02	0.30578	81.824	219.92	1230.6	0.00000	0.00000
54320000	7.47653E-02	61.809	7.47653E-02	0.30578	81.798	219.91	1230.7	0.00000	0.00000
54330000	7.47588E-02	61.809	7.47588E-02	0.30578	81.788	219.90	1230.7	0.00000	0.00000
54340000	7.47624E-02	61.808	7.47624E-02	0.30578	81.788	219.91	1230.7	0.00000	0.00000
54350000	7.47727E-02	61.809	7.47727E-02	0.30578	81.793	219.91	1230.8	0.00000	0.00000
54360000	7.47870E-02	61.808	7.47870E-02	0.30578	81.802	219.92	1230.8	0.00000	0.00000
54370000	7.48040E-02	61.809	7.48040E-02	0.30578	81.814	219.93	1230.9	0.00000	0.00000
54380000	7.48242E-02	61.808	7.48242E-02	0.30578	81.826	219.94	1230.9	0.00000	0.00000
54390000	7.48480E-02	61.808	7.48480E-02	0.30578	81.842	219.95	1231.0	0.00000	0.00000
54400000	7.48751E-02	61.808	7.48751E-02	0.30578	81.860	219.97	1231.1	0.00000	0.00000
54410000	7.49048E-02	61.808	7.49048E-02	0.30578	81.879	219.99	1231.2	0.00000	0.00000
54420000	7.49359E-02	61.807	7.49359E-02	0.30578	81.900	220.01	1231.3	0.00000	0.00000
54430000	7.49676E-02	61.807	7.49676E-02	0.30578	81.921	220.03	1231.4	0.00000	0.00000
54440000	7.49994E-02	61.807	7.49994E-02	0.30578	81.942	220.05	1231.5	0.00000	0.00000
54450000	7.50312E-02	61.806	7.50312E-02	0.30578	81.962	220.06	1231.6	0.00000	0.00000
54460000	7.50626E-02	61.806	7.50626E-02	0.30578	81.983	220.08	1231.7	0.00000	0.00000
54470000	7.50938E-02	61.806	7.50938E-02	0.30578	82.003	220.10	1231.8	0.00000	0.00000
54480000	7.51245E-02	61.805	7.51245E-02	0.30578	82.022	220.12	1231.9	0.00000	0.00000
54490000	7.51546E-02	61.805	7.51546E-02	0.30578	82.041	220.13	1232.0	0.00000	0.00000
54500000	7.51838E-02	61.805	7.51838E-02	0.30578	82.060	220.15	1232.1	0.00000	0.00000
54510000	7.52120E-02	61.805	7.52120E-02	0.30578	82.077	220.16	1232.1	0.00000	0.00000
54520000	7.52387E-02	61.804	7.52387E-02	0.30578	82.094	220.17	1232.2	0.00000	0.00000
54530000	7.52637E-02	61.804	7.52637E-02	0.30578	82.109	220.19	1232.3	0.00000	0.00000
54540000	7.52867E-02	61.804	7.52867E-02	0.30578	82.123	220.20	1232.3	0.00000	0.00000
54550000	7.53075E-02	61.804	7.53075E-02	0.30578	82.136	220.21	1232.4	0.00000	0.00000
54560000	7.53263E-02	61.804	7.53263E-02	0.30578	82.148	220.22	1232.4	0.00000	0.00000
54570000	7.53429E-02	61.803	7.53429E-02	0.30578	82.158	220.22	1232.5	0.00000	0.00000
54580000	7.53575E-02	61.803	7.53575E-02	0.30578	82.167	220.23	1232.5	0.00000	0.00000
54590000	7.53703E-02	61.803	7.53703E-02	0.30578	82.175	220.24	1232.6	0.00000	0.00000
54600000	7.53814E-02	61.803	7.53814E-02	0.30578	82.182	220.24	1232.6	0.00000	0.00000
54610000	7.53911E-02	61.803	7.53911E-02	0.30578	82.188	220.25	1232.6	0.00000	0.00000
54620000	7.53995E-02	61.803	7.53995E-02	0.30578	82.193	220.25	1232.6	0.00000	0.00000
54630000	7.54067E-02	61.803	7.54067E-02	0.30578	82.197	220.25	1232.6	0.00000	0.00000
54640000	7.54129E-02	61.803	7.54129E-02	0.30578	82.200	220.25	1232.7	0.00000	0.00000
54650000	7.54182E-02	61.803	7.54182E-02	0.30578	82.203	220.26	1232.7	0.00000	0.00000
54660000	7.54227E-02	61.803	7.54227E-02	0.30578	82.205	220.26	1232.7	0.00000	0.00000
54670000	7.54266E-02	61.803	7.54266E-02	0.30578	82.207	220.26	1232.7	0.00000	0.00000
54680000	7.54299E-02	61.803	7.54299E-02	0.30578	82.208	220.26	1232.7	0.00000	0.00000
54690000	7.54328E-02	61.803	7.54328E-02	0.30578	82.210	220.25	1232.7	0.00000	0.00000
54700000	7.54353E-02	61.803	7.54353E-02	0.30578	82.211	220.25	1232.7	0.00000	0.00000
54710000	7.54376E-02	61.803	7.54376E-02	0.30578	82.212	220.25	1232.7	0.00000	0.00000
54720000	7.54398E-02	61.803	7.54398E-02	0.30578	82.213	220.25	1232.7	0.00000	0.00000
54730000	7.54420E-02	61.803	7.54420E-02	0.30578	82.214	220.25	1232.7	0.00000	0.00000
54740000	7.54442E-02	61.803	7.54442E-02	0.30578	82.215	220.26	1232.7	0.00000	0.00000
54750000	7.54467E-02	61.803	7.54467E-02	0.30578	82.216	220.26	1232.7	0.00000	0.00000
54760000	7.54496E-02	61.803	7.54496E-02	0.30578	82.218	220.26	1232.7	0.00000	0.00000
54770000	7.54529E-02	61.803	7.54529E-02	0.30578	82.220	220.26	1232.7	0.00000	0.00000
54780000	7.54569E-02	61.802	7.54569E-02	0.30578	82.223	220.26	1232.7	0.00000	0.00000
54790000	7.54618E-02	61.802	7.54618E-02	0.30578	82.226	220.27	1232.7	0.00000	0.00000
54800000	7.54677E-02	61.802	7.54677E-02	0.30578	82.230	220.27	1232.7	0.00000	0.00000
54810000	7.54749E-02	61.802	7.54749E-02	0.30578	82.235	220.27	1232.8	0.00000	0.00000
54820000	7.54836E-02	61.802	7.54836E-02	0.30578	82.241	220.28	1232.8	0.00000	0.00000
54830000	7.54941E-02	61.802	7.54941E-02	0.30578	82.248	220.29	1232.8	0.00000	0.00000
54840000	7.55064E-02	61.802	7.55064E-02	0.30578	82.256	220.29	1232.9	0.00000	0.00000
54850000	7.55208E-02	61.802	7.55208E-02	0.30578	82.265	220.30	1232.9	0.00000	0.00000
54860000	7.55375E-02	61.802	7.55375E-02	0.30578	82.276	220.31	1233.0	0.00000	0.00000
54870000	7.55566E-02	61.802	7.55566E-02	0.30578	82.289	220.32	1233.0	0.00000	0.00000
54880000	7.55782E-02	61.801	7.55782E-02	0.30578	82.303	220.34	1233.1	0.00000	0.00000
54890000	7.56025E-02	61.801	7.56025E-02	0.30578	82.318	220.35	1233.2	0.00000	0.00000
54900000	7.56295E-02	61.801	7.56295E-02	0.30578	82.335	220.36	1233.2	0.00000	0.00000
54910000	7.56591E-02	61.801	7.56591E-02	0.30578	82.354	220.38	1233.3	0.00000	0.00000
54920000	7.56916E-02	61.800	7.56916E-02	0.30578	82.375	220.40	1233.4	0.00000	0.00000
54930000	7.57267E-02	61.800	7.57267E-02	0.30578	82.397	220.42	1233.5	0.00000	0.00000
54940000	7.57644E-02	61.800	7.57644E-02	0.30578	82.421	220.44	1233.6	0.00000	0.00000
54950000	7.58047E-02	61.799	7.58047E-02	0.30578	82.447	220.46	1233.8	0.00000	0.00000
56010000	7.56940E-02	61.800	7.56940E-02	0.49155	82.407	220.50	1234.0	0.00000	0.00000
56020000	7.57654E-02	61.799	7.57654E-02	0.49155	82.452	220.53	1234.2	0.00000	0.00000
56030000	7.58506E-02	61.798	7.58506E-02	0.49155	82.501	220.57	1234.3	0.00000	0.00000
56040000	7.59424E-02	61.798	7.59424E-02	0.49155	82.554	220.60	1234.5	0.00000	0.00000
56050000	7.60363E-02	61.797	7.60363E-02	0.49155	82.608	220.63	1234.7	0.00000	0.00000
56060000	7.61296E-02	61.796	7.61296E-02	0.49155	82.664	220.67	1234.9	0.00000	0.00000
56070000	7.62215E-02	61.795	7.62215E-02	0.49155	82.720	220.72	1235.2	0.00000	0.00000
56080000	7.63121E-02	61.794	7.63121E-02	0.49155	82.777	220.77	1235.4	0.00000	0.00000
56090000	7.64021E-02	61.793	7.64021E-02	0.49155	82.834	220.82	1235.7	0.00000	0.00000
56100000	7.64915E-02	61.793	7.64915E-02	0.49155	82.889	220.86	1235.9	0.00000	0.00000
56110000	7.65796E-02	61.792	7.65796E-02	0.49155	82.943	220.91	1236.2	0.00000	0.00000
56120000	7.66642E-02	61.791	7.66642E-02	0.49155	82.994	220.94	1236.4	0.00000	0.00000
56130000	7.67417E-02	61.790	7.67417E-02	0.49155	83.039	220.98	1236.5	0.00000	0.00000
56140000	7.68072E-02	61.790	7.68072E-02	0.49155	83.077	221.00	1236.7	0.00000	0.00000
56150000	7.68551E-02	61.789	7.68551E-02	0.49155	83.105	221.02	1236.8	0.00000	0.00000
56160000	7.68792E-02	61.789	7.68792E-02	0.49155	83.119	221.03	1236.8	0.00000	0.00000
56170000	7.68732E-02	61.789	7.68732E-02	0.49155	83.115	221.03	1236.8	0.00000	0.00000
56180000	7.68306E-02	61.790	7.68306E-02	0.49155	83.087	221.00	1236.7	0.00000	0.00000
56190000	7.67438E-02	61.791	7.67438E-02	0.49155	83.029	220.94	1236.4	0.00000	0.00000
56200000	7.66039E-02	61.792	7.66039E-02	0.49155	82.934	220.84	1235.8	0.00000	0.00000
56210000	7.64012E-02	61.794	7.64012E-02	0.49155	82.798	220.70	1235.1	0.00000	0.00000
56220000	7.61277E-02	61.797	7.61277E-02	0.49155	82.616	220.52	1234.1	0.00000	0.00000
56230000	7.57804E-02	61.800	7.57804E-02	0.49155	82.387	220.31	1232.9	0.00000	0.00000
56240000	7.53695E-02	61.804	7.53695E-02	0.49155	82.116	220.06	1231.6	0.00000	0.00000

54910000	7.56591E-02	61.801	7.56591E-02	0.30578	82.354	220.38	1233.3	0.00000	0.00000
54920000	7.56916E-02	61.800	7.56916E-02	0.30578	82.375	220.40	1233.4	0.00000	0.00000
54930000	7.57267E-02	61.800	7.57267E-02	0.30578	82.397	220.42	1233.5	0.00000	0.00000
54940000	7.57644E-02	61.800	7.57644E-02	0.30578	82.421	220.44	1233.6	0.00000	0.00000
54950000	7.58047E-02	61.799	7.58047E-02	0.30578	82.447	220.46	1233.8	0.00000	0.00000
56010000	7.56940E-02	61.800	7.56940E-02	0.49155	82.407	220.50	1234.0	0.00000	0.00000
56020000	7.57654E-02	61.799	7.57654E-02	0.49155	82.452	220.53	1234.2	0.00000	0.00000
56030000	7.58506E-02	61.798	7.58506E-02	0.49155	82.501	220.57	1234.3	0.00000	0.00000
56040000	7.59424E-02	61.798	7.59424E-02	0.49155	82.554	220.60	1234.5	0.00000	0.00000
56050000	7.60363E-02	61.797	7.60363E-02	0.49155	82.608	220.63	1234.7	0.00000	0.00000
56060000	7.61296E-02	61.796	7.61296E-02	0.49155	82.664	220.67	1234.9	0.00000	0.00000
56070000	7.62215E-02	61.795	7.62215E-02	0.49155	82.720	220.72	1235.2	0.00000	0.00000
56080000	7.63121E-02	61.794	7.63121E-02	0.49155	82.777	220.77	1235.4	0.00000	0.00000
56090000	7.64021E-02	61.793	7.64021E-02	0.49155	82.834	220.82	1235.7	0.00000	0.00000
56100000	7.64915E-02	61.793	7.64915E-02	0.49155	82.889	220.86	1235.9	0.00000	0.00000
56110000	7.65796E-02	61.792	7.65796E-02	0.49155	82.943	220.91	1236.2	0.00000	0.00000
56120000	7.66642E-02	61.791	7.66642E-02	0.49155	82.994	220.94	1236.4	0.00000	0.00000
56130000	7.67417E-02	61.790	7.67417E-02	0.49155	83.039	220.98	1236.5	0.00000	0.00000
56140000	7.68072E-02	61.790	7.68072E-02	0.49155	83.077	221.00	1236.7	0.00000	0.00000
56150000	7.68551E-02	61.789	7.68551E-02	0.49155	83.105	221.02	1236.8	0.00000	0.00000
56160000	7.68792E-02	61.789	7.68792E-02	0.49155	83.119	221.03	1236.8	0.00000	0.00000
56170000	7.68732E-02	61.789	7.68732E-02	0.49155	83.115	221.03	1236.8	0.00000	0.00000
56180000	7.68306E-02	61.790	7.68306E-02	0.49155	83.087	221.00	1236.7	0.00000	0.00000
56190000	7.67438E-02	61.791	7.67438E-02	0.49155	83.029	220.94	1236.4	0.00000	0.00000
56200000	7.66039E-02	61.792	7.66039E-02	0.49155	82.934	220.84	1235.8	0.00000	0.00000
56210000	7.64012E-02	61.794	7.64012E-02	0.49155	82.798	220.70	1235.1	0.00000	0.00000
56220000	7.61277E-02	61.797	7.61277E-02	0.49155	82.616	220.52	1234.1	0.00000	0.00000
56230000	7.57804E-02	61.800	7.57804E-02	0.49155	82.387	220.31	1232.9	0.00000	0.00000
56240000	7.53695E-02	61.804	7.53695E-02	0.49155	82.118	220.06	1231.6	0.00000	0.00000
56250000	7.49107E-02	61.808	7.49107E-02	0.49155	81.819	219.79	1230.1	0.00000	0.00000
56260000	7.44284E-02	61.813	7.44284E-02	0.49155	81.504	219.51	1228.6	0.00000	0.00000
56270000	7.39482E-02	61.818	7.39482E-02	0.49155	81.190	219.23	1227.1	0.00000	0.00000
56280000	7.34915E-02	61.822	7.34915E-02	0.49155	80.891	218.97	1225.7	0.00000	0.00000
56290000	7.30725E-02	61.826	7.30725E-02	0.49155	80.618	218.74	1224.4	0.00000	0.00000
56300000	7.27019E-02	61.829	7.27019E-02	0.49155	80.376	218.54	1223.3	0.00000	0.00000
56310000	7.23831E-02	61.833	7.23831E-02	0.49155	80.166	218.36	1222.3	0.00000	0.00000
56320000	7.21128E-02	61.835	7.21128E-02	0.49155	79.982	218.19	1221.4	0.00000	0.00000
56330000	7.18785E-02	61.838	7.18785E-02	0.49155	79.819	218.03	1220.6	0.00000	0.00000
56340000	7.16620E-02	61.840	7.16620E-02	0.49155	79.670	217.89	1219.8	0.00000	0.00000
56350000	7.14475E-02	61.842	7.14475E-02	0.49155	79.526	217.77	1219.1	0.00000	0.00000
58010000	7.12004E-02	61.844	7.12004E-02	0.54635	79.362	217.63	1218.4	0.00000	0.00000
58020000	7.09376E-02	61.847	7.09376E-02	0.54635	79.182	217.47	1217.5	0.00000	0.00000
58030000	7.06428E-02	61.850	7.06428E-02	0.54635	78.979	217.29	1216.5	0.00000	0.00000
58040000	7.03058E-02	61.853	7.03058E-02	0.54635	78.746	217.08	1215.3	0.00000	0.00000
58050000	6.99288E-02	61.857	6.99288E-02	0.54635	78.485	216.84	1214.0	0.00000	0.00000
58060000	6.95245E-02	61.861	6.95245E-02	0.54635	78.201	216.58	1212.6	0.00000	0.00000
58070000	6.91118E-02	61.865	6.91118E-02	0.54635	77.911	216.32	1211.2	0.00000	0.00000
60010000	6.86833E-02	61.869	6.86833E-02	0.60828	77.611	216.05	1209.7	0.00000	0.00000
60020000	6.83201E-02	61.871	6.83201E-02	0.60828	77.468	215.93	1208.0	0.00000	0.00000
60030000	7.09499E-02	61.830	7.01201E-02	0.60828	80.312	216.61	1072.9	0.00000	2.27177E-02
62010000	0.13837	61.807	6.93584E-02	0.54800	81.916	219.70	736.78	0.00000	-9.92211E-04
62020000	3.5697	61.720	6.80268E-02	0.54800	87.609	230.84	137.26	0.00000	-2.53370E-02
64010000	61.714	61.715	6.90584E-02	0.90420	87.957	214.04	4234.9	0.00000	5.75557E-09
66010000	61.715	61.715	3.73889E-02	0.82200	87.957	1077.6	5041.1	0.00000	0.00000
68010000	61.715	61.715	3.66321E-02	0.82200	87.957	1077.3	5041.1	0.00000	0.00000
69010000	61.714	61.714	3.52377E-02	2.2358	87.957	1076.7	5041.0	0.00000	0.00000
70010000	61.714	61.714	3.46515E-02	2.2358	87.957	1076.5	5041.0	0.00000	0.00000
71010000	61.714	61.714	3.44785E-02	2.2358	87.957	1076.4	5041.0	0.00000	0.00000
73010000	61.709	61.714	5.71532E-02	600.33	87.955	217.08	2503.7	0.00000	4.48217E-08
75010000	6.36116E-02	61.908	5.59697E-02	199.98	74.794	219.51	1000.5	0.00000	-4.50124E-05
76010000	0.70004	53.682	0.56924	0.10050	373.54	1097.0	1363.9	0.00000	-23.810
76020000	0.54856	54.548	0.43756	0.10050	350.44	1099.4	1352.9	0.00000	-18.178
76030000	0.48175	54.959	0.37891	0.10050	339.11	1103.1	1345.4	0.00000	-11.667
76040000	0.43686	55.258	0.34058	0.10050	330.71	1105.0	1340.0	0.00000	-7.6160
79010000	8.8458	33.127	8.8458	0.11760	741.22	1014.6	1383.5	0.00000	0.00000
81010000	8.8487	33.127	8.8487	8.65830E-02	741.22	1014.5	1384.2	0.00000	0.00000
83010000	8.8457	33.054	8.8457	7.93800E-02	742.05	1014.8	1377.9	0.00000	0.00000
83020000	8.8601	33.056	8.8601	9.37860E-02	742.03	1014.5	1379.6	0.00000	0.00000
85010000	8.8660	33.048	8.8660	0.10334	742.12	1014.5	1380.1	0.00000	0.00000
85020000	8.8464	33.046	8.8464	0.10334	742.14	1014.9	1378.1	0.00000	0.00000
87010000	8.8609	33.127	8.8609	8.58480E-02	741.22	1014.3	1087.7	0.00000	-5.87221E-06
89010000	8.8661	33.121	8.8661	0.11539	741.29	1014.2	1087.5	0.00000	-1.36051E-05
91010000	8.8713	33.166	8.8713	0.15787	740.78	1013.7	1087.3	0.00000	-2.35600E-04
91020000	8.8694	33.149	8.8694	0.15787	740.97	1013.9	1087.4	0.00000	-1.57331E-04
91030000	8.8673	33.133	8.8673	0.15787	741.15	1014.1	1087.4	0.00000	-7.54056E-05
93010000	6.78394E-02	61.811	6.64582E-02	9000.0	81.636	221.56	1069.7	0.00000	3.26005E-04
95010000	0.34167	55.951	0.26350	0.10251	310.71	1107.3	1331.6	0.00000	-2.37526E-02
96010000	0.38730	55.565	0.30146	0.16944	321.95	1109.1	1342.0	0.00000	1.6180
97010000	0.31024	56.259	0.23921	0.12140	301.60	1101.5	1324.4	0.00000	-5.8814
99010000	8.7867	33.369	8.7867	0.11760	738.43	1014.4	1090.8	0.00000	-5.62210E-04
101010000	8.7891	33.365	8.7891	8.65830E-02	738.47	1014.3	1090.7	0.00000	-5.61488E-04
103010000	8.7982	33.343	8.7982	0.10054	738.72	1014.3	1090.4	0.00000	-5.26240E-04
103020000	8.7949	33.349	8.7949	9.37860E-02	738.65	1014.3	1090.5	0.00000	-5.31398E-04
105010000	8.8135	33.308	8.8135	0.15155	739.14	1014.1	1089.8	0.00000	-4.70661E-04
105020000	8.8062	33.322	8.8062	0.15155	738.97	1014.2	1090.1	0.00000	-4.86292E-04
107010000	8.8213	33.294	8.8213	8.58480E-02	739.30	1014.0	1089.5	0.00000	-4.62552E-04
109010000	8.8314	33.266	8.8314	0.11539	739.62	1014.0	1089.1	0.00000	-4.13047E-04
111010000	8.8642	33.195	8.8642	0.15787	740.44	1013.7	1087.6	0.00000	-3.13366E-04

76010000	0.76004	53.682	0.56924	0.10050	373.54	1097.0	1363.9	0.00000	-23.810
76020000	0.54856	54.548	0.43756	0.10050	350.44	1099.4	1352.9	0.00000	-18.178
76030000	0.48175	54.959	0.37891	0.10050	339.11	1103.1	1345.4	0.00000	-11.667
76040000	0.43686	55.258	0.34058	0.10050	330.71	1105.0	1340.0	0.00000	-7.6160
79010000	8.8458	33.127	8.8458	0.11760	741.22	1014.6	1383.5	0.00000	0.00000
81010000	8.8487	33.127	8.8487	8.65830E-02	741.22	1014.5	1384.2	0.00000	0.00000
83010000	8.8457	33.054	8.8457	7.93800E-02	742.05	1014.8	1377.9	0.00000	0.00000
83020000	8.8601	33.056	8.8601	9.37860E-02	742.03	1014.5	1379.6	0.00000	0.00000
85010000	8.8660	33.048	8.8660	0.10334	742.12	1014.5	1380.1	0.00000	0.00000
85020000	8.8464	33.046	8.8464	0.10334	742.14	1014.9	1378.1	0.00000	0.00000
87010000	8.8609	33.127	8.8609	8.58480E-02	741.22	1014.3	1087.7	0.00000	-5.87221E-06
89010000	8.8661	33.121	8.8661	0.11539	741.29	1014.2	1087.5	0.00000	-1.36051E-05
91010000	8.8713	33.166	8.8713	0.15787	740.79	1013.7	1087.3	0.00000	-2.35600E-04
91020000	8.8694	33.149	8.8694	0.15787	740.97	1013.9	1087.4	0.00000	-1.57331E-04

91030000	8.8673	33.133	8.8673	0.15787	741.15	1014.1	1087.4	0.00000	-7.54056E-05
93010000	6.78394E-02	61.811	6.64582E-02	9000.0	81.636	221.56	1069.7	0.00000	3.26005E-04
95010000	0.34167	55.951	0.26350	0.10251	310.71	1107.3	1331.6	0.00000	-2.37526E-02
96010000	0.38730	55.565	0.30146	0.16944	321.95	1109.1	1342.0	0.00000	1.6180
97010000	0.31024	56.259	0.23921	0.12140	301.60	1101.5	1324.4	0.00000	-5.8814
99010000	8.7867	33.369	8.7867	0.11760	738.43	1014.4	1090.8	0.00000	-5.62210E-04
101010000	8.7891	33.365	8.7891	8.65830E-02	738.47	1014.3	1090.7	0.00000	-5.61488E-04
103010000	8.7992	33.343	8.7982	0.10054	738.72	1014.3	1090.4	0.00000	-5.26240E-04
103020000	8.7949	33.349	8.7949	9.37860E-02	738.65	1014.3	1090.5	0.00000	-5.31398E-04
105010000	8.8135	33.308	8.8135	0.15155	739.14	1014.1	1089.8	0.00000	-4.70661E-04
105020000	8.8062	33.322	8.8062	0.15155	738.97	1014.2	1090.1	0.00000	-4.86292E-04
107010000	8.8213	33.294	8.8213	8.58480E-02	739.30	1014.0	1089.5	0.00000	-4.62552E-04
109010000	8.8314	33.266	8.8314	0.11539	739.62	1014.0	1089.1	0.00000	-4.13047E-04
111010000	8.8642	33.195	8.8642	0.15787	740.44	1013.7	1087.6	0.00000	-3.13306E-04
111020000	8.8517	33.222	8.8517	0.15787	740.13	1013.8	1088.2	0.00000	-3.59407E-04
111030000	8.8399	33.247	8.8399	0.15787	739.84	1013.9	1088.7	0.00000	-3.89523E-04
113010000	8.9053	33.060	8.9053	0.00000	741.99	1013.6	1085.3	0.00000	10.976
114010000	0.37630	55.630	0.29490	0.31455	320.09	1108.8	1346.7	0.00000	2.34641E-02
114020000	0.37487	55.635	0.29436	0.31455	319.94	1108.8	1348.1	0.00000	9.99038E-02
114030000	0.42307	55.640	0.29381	0.31455	319.78	1108.8	1257.7	0.00000	8.06165E-02
136010000	0.43722	55.221	0.34014	0.17165	331.74	1108.8	1342.2	0.00000	-2.5699
178010000	6.2564	38.922	5.3447	1.56400E-02	663.64	1068.0	1158.7	0.00000	0.00000
193010000	6.72246E-02	61.936	6.61682E-02	9000.0	79.897	218.95	1070.3	0.00000	2.78967E-04
195010000	0.31406	56.183	0.24217	0.12462	303.85	1106.2	1329.2	0.00000	1.4787
195020000	0.31749	56.143	0.24575	0.11656	305.03	1106.4	1332.4	0.00000	2.0647
198010000	6.2118	39.035	5.2856	1.56400E-02	661.98	1068.9	1159.6	0.00000	0.00000

VOL.NO.	LRGST.MASS ERR.		REDUCE-QUALITY		REDUCE-EXTRAP.		REDUCE-MASS		REDUCE-PROPTY.		MIN.COURANT		REDUCE-COURANT	
	EDIT	TOTAL	EDIT	TOTAL	EDIT	TOTAL	EDIT	TOTAL	EDIT	TOTAL	EDIT	TOTAL	EDIT	TOTAL
1010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36010000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
36020000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
36030000	0	1	0	0	0	0	0	0	0	0	0	11	0	0
38010000	0	8	0	0	0	0	0	0	0	0	0	0	0	0
38020000	8	61	0	0	0	0	0	0	0	0	0	0	0	0
38030000	0	32	0	0	0	0	0	0	0	1	0	0	0	0
38040000	0	5	0	0	0	0	0	0	0	0	0	0	0	0
38050000	29	30	0	0	0	0	0	0	0	0	0	0	0	0
38060000	34	34	0	0	0	0	0	0	0	0	0	0	0	0
38070000	20	20	0	0	0	0	0	0	0	0	0	0	0	0
40010000	0	9	0	0	0	0	0	0	0	0	0	0	0	0
42010000	5	6	0	0	0	0	0	0	0	1	0	0	0	0
44010000	0	12	0	0	0	0	0	0	0	0	0	2	0	0
46010000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
46020000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
46030000	0	0	0	0	0	0	0	1	0	0	0	0	0	0
48010000	38	46	0	0	0	0	0	6	0	0	0	0	0	0
48020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48030000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48040000	1	1	0	0	0	0	0	0	0	0	0	0	0	0
48050000	11	11	0	0	0	0	0	0	0	0	0	0	0	0
48060000	8	8	0	0	0	0	0	0	0	0	0	0	0	0
48070000	3	3	0	0	0	0	0	0	0	0	0	0	0	0
48080000	8	8	0	0	0	0	0	0	0	0	0	0	0	0
48090000	6	6	0	0	0	0	0	0	0	0	0	0	0	0
50010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50030000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50040000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50050000	0	0	0	0	0	0	0	0	0	0	0	0	0	0

52010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54030000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54040000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54050000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54060000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54070000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54080000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54090000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54100000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54110000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54120000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54130000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54140000	0	0	0	0	0	0	0	0	0	0	0	0	0	0

48020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48030000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48040000	1	1	0	0	0	0	0	0	0	0	0	0	0	0
48050000	11	11	0	0	0	0	0	0	0	0	0	0	0	0
48060000	8	8	0	0	0	0	0	0	0	0	0	0	0	0
48070000	3	3	0	0	0	0	0	0	0	0	0	0	0	0
48080000	8	8	0	0	0	0	0	0	0	0	0	0	0	0
48090000	6	6	0	0	0	0	0	0	0	0	0	0	0	0
50010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50030000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50040000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50050000	0	0	0	0	0	0	0	0	0	0	0	0	0	0

52010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54030000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54040000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54050000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54060000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54070000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54080000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54090000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54100000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54110000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54120000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54130000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54140000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54150000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54160000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54170000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54180000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54190000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54200000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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54270000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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54300000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54310000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54320000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54330000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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54350000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54360000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54370000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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54390000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54400000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54410000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54420000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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54450000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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54500000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54510000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54520000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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54560000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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54590000	0	0	0	0	0	0	0	0	0	0	0	0	0	0

54600000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54610000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54620000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54630000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54640000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54650000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54660000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54670000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54680000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54690000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54700000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54710000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54720000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54730000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54740000	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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54500000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54510000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54520000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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54600000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54610000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54620000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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54650000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54660000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54670000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54680000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54690000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54700000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54710000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54720000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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54750000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54760000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54770000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54780000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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54800000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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54880000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54890000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54900000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54910000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54920000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54930000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54940000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54950000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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56100000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56110000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56120000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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56140000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56150000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56160000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56170000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56180000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56190000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56200000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56210000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56220000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56230000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56240000	0	0	0	0	0	0	0	0	0	0	0	0	0	0

56250000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56260000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56270000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56280000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56290000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56300000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56310000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56320000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56330000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56340000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56350000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58030000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58040000	0	0	0	0	0	0	0	0	0	0	0	0	0	0

56110000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56120000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56130000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56140000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56150000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56160000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56170000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56180000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56190000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56200000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56210000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56220000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56230000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56240000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56250000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56260000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56270000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56280000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56290000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56300000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56310000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56320000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56330000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56340000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56350000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58030000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58040000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58050000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58060000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58070000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60030000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62020000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
64010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75010000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
76010000	0	2	0	0	0	0	0	0	0	0	0	20	0	0
76020000	0	10	0	0	0	0	0	1	0	0	0	28	0	0
76030000	0	28	0	0	0	0	0	0	0	0	0	121	0	0
76040000	0	1	0	0	0	0	0	0	0	0	200	287	92	94
79010000	8	14	0	0	0	0	0	0	0	0	0	0	0	0
81010000	0	3	0	0	0	0	0	0	0	0	0	0	0	0
83010000	5	5	0	0	0	0	0	0	0	0	0	0	0	0
83020000	1	1	0	0	0	0	0	0	0	0	0	0	0	0
85010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85020000	2	2	0	0	0	0	0	0	0	0	0	0	0	0
87010000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
89010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91030000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95010000	0	34	0	0	0	0	0	2	0	0	0	0	0	0
96010000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
97010000	0	1	0	0	0	0	0	0	0	0	0	35	0	10
99010000	2	4	0	0	0	0	0	0	0	0	0	0	0	0
101010000	1	1	0	0	0	0	0	0	0	0	0	0	0	0
103010000	2	2	0	0	0	0	0	0	0	0	0	0	0	0
103020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105010000	6	6	0	0	0	0	0	0	0	0	0	0	0	0
105020000	2	2	0	0	0	0	0	0	0	0	0	0	0	0
107010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111030000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114020000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
114030000	0	7	0	0	0	0	0	0	0	0	0	0	0	0
136010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178010000	0	8	0	0	0	0	0	0	0	0	0	3	0	0
193010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195010000	0	4	0	0	0	0	0	0	0	0	0	0	0	0
195020000	0	55	0	2	0	0	0	7	0	1	0	1	0	1
198010000	0	5	0	0	0	0	0	0	0	0	0	0	0	0

JUN.NO.	FROM VOL.	TO VOL.	LIQ. VEL. (FT/SEC)	VAP. VEL. (FT/SEC)	MASS FLOW (LB/SEC)	JUN.AREA (FT2)	THROAT RATIO	JUNCTION FLAGS	CHOKE FLAG	NO.ADVS.CHOKED ECTT	TOTAL

95010000	0	34	0	0	0	0	0	2	0	0	0	0	0	0
96010000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
97010000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
99010000	2	4	0	0	0	0	0	0	0	0	0	35	0	10
101010000	1	1	0	0	0	0	0	0	0	0	0	0	0	0
103010000	2	2	0	0	0	0	0	0	0	0	0	0	0	0
103020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105010000	6	6	0	0	0	0	0	0	0	0	0	0	0	0
105020000	2	2	0	0	0	0	0	0	0	0	0	0	0	0
107010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111030000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114020000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
114030000	0	7	0	0	0	0	0	0	0	0	0	0	0	0
136010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178010000	0	8	0	0	0	0	0	0	0	0	0	3	0	0
193010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195010000	0	4	0	0	0	0	0	0	0	0	0	0	0	0
195020000	0	55	0	2	0	0	0	7	0	1	0	1	0	1
198010000	0	5	0	0	0	0	0	0	0	0	0	0	0	0

JUN.NO.	FROM VOL.	TO VOL.	LIQ. VEL. (FT/SEC)	VAP. VEL. (FT/SEC)	MASS FLOW (LB/SEC)	JUN.AREA (FT2)	THROAT RATIO	JUNCTION FLAGS	CHOKE FLAG	NO.ADVS. EDIT	CHOKED TOTAL
C-36 PIPE COMPONENT											
36010000	36010000	36020000	768.33	768.33	109.68	0.20100	1.0000	1000	0	0	0
36020000	36020000	36030000	968.22	968.22	109.70	0.20100	1.0000	1000	0	0	0
C-96-040 SNGLJUN COMPONENT											
37000000	96010000	40010000	596.59	596.59	46.692	0.20100	1.0000	0	0	0	10
C-38 PIPE COMPONENT											
38010000	38010000	38020000	216.19	216.19	49.478	0.54800	1.0000	1000	0	0	0
38020000	38020000	38030000	220.74	220.74	50.275	0.54800	1.0000	1000	0	0	0
38030000	38030000	38040000	183.92	220.14	67.100	0.54800	1.0000	1000	0	0	0
38040000	38040000	38050000	75.884	69.213	362.12	0.54800	1.0000	1000	0	0	0
38050000	38050000	38060000	26.237	22.588	452.35	0.54800	1.0000	1000	0	0	0
38060000	38060000	38070000	21.044	22.242	494.85	0.54800	1.0000	1000	0	0	0
C-40-38 SNGLJUN COMPONENT											
39000000	40010000	38010000	302.19	302.19	47.908	0.37500	1.0000	1000	0	0	0
C-38-42 SNGLJUN COMPONENT											
41000000	38070000	42010000	38.222	66.816	871.25	0.54800	1.0000	1000	0	0	0
C-42-44 SNGLJUN COMPONENT											
43000000	42010000	44010000	-92.450	-92.398	-4.8503	0.20100	1.0000	100	0	0	108
C-44-46 SNGLJUN COMPONENT											
45000000	44010000	46010000	887.57	887.57	46.586	0.20100	1.0000	100	0	0	93
C-46 PIPE COMPONENT											
46010000	46010000	46020000	231.55	231.55	47.648	0.54800	1.0000	1000	0	0	0
46020000	46020000	46030000	232.15	232.15	48.430	0.54800	1.0000	1000	0	0	0
C-46-48 SNGLJUN COMPONENT											
47000000	46030000	114010000	233.52	233.52	48.490	0.54800	1.0000	1000	0	0	0
C-48 PIPE COMPONENT											
48010000	48010000	48020000	470.55	470.55	58.116	0.54800	1.0000	1000	0	0	0
48020000	48020000	48030000	504.16	504.16	63.889	0.54800	1.0000	1000	0	0	0
48030000	48030000	48040000	510.38	510.38	71.269	0.54800	1.0000	1000	0	0	0
48040000	48040000	48050000	509.52	509.52	82.439	0.54800	1.0000	1000	0	0	0
48050000	48050000	48060000	511.85	511.85	108.74	0.54800	1.0000	1000	0	0	0
48060000	48060000	48070000	454.22	517.29	157.79	0.54800	1.0000	1000	0	0	0
48070000	48070000	48080000	411.21	506.63	253.59	0.54800	1.0000	1000	0	0	0
48080000	48080000	48090000	367.12	488.58	507.48	0.54800	1.0000	1000	0	0	0
C-48-50 SNGLJUN COMPONENT											
49000000	48090000	50010000	295.59	415.62	1060.5	0.54800	1.0000	1000	0	0	0
C-50 PIPE COMPONENT											
50010000	50010000	50020000	242.84	340.59	1609.8	0.54800	1.0000	1000	0	0	0
50020000	50020000	50030000	194.01	292.66	1557.6	0.54800	1.0000	1000	0	0	0
50030000	50030000	50040000	154.64	264.58	1009.0	0.54800	1.0000	1000	0	0	0
50040000	50040000	50050000	129.85	244.53	523.14	0.54800	1.0000	1000	0	0	0
C-50-52 SNGLJUN COMPONENT											
51000000	50050000	52010000	120.19	225.75	279.58	0.54800	1.0000	1000	0	0	0
C-52-54 SNGLJUN COMPONENT											
53000000	52010000	54010000	96.471	207.15	176.77	0.54800	1.0000	1000	0	0	0
C-54 PIPE COMPONENT											
54010000	54010000	54020000	101.32	196.04	134.83	0.54800	1.0000	1000	0	0	0
54020000	54020000	54030000	107.90	189.05	113.16	0.54800	1.0000	1000	0	0	0
54030000	54030000	54040000	113.42	184.42	98.831	0.54800	1.0000	1000	0	0	0
54040000	54040000	54050000	130.22	179.36	89.840	0.54800	1.0000	1000	0	0	0
54050000	54050000	54060000	147.67	172.47	87.447	0.54800	1.0000	1000	0	0	0
54060000	54060000	54070000	165.01	165.41	93.010	0.54800	1.0000	1000	0	0	0
54070000	54070000	54080000	165.79	165.79	91.883	0.54800	1.0000	1000	0	0	0
54080000	54080000	54090000	164.23	164.23	83.089	0.54800	1.0000	1000	0	0	0
54090000	54090000	54100000	162.94	162.94	70.315	0.54800	1.0000	1000	0	0	0
54100000	54100000	54110000	162.17	162.17	56.805	0.54800	1.0000	1000	0	0	0
54110000	54110000	54120000	161.78	161.78	44.521	0.54800	1.0000	1000	0	0	0
54120000	54120000	54130000	161.62	161.62	34.315	0.54800	1.0000	1000	0	0	0
54130000	54130000	54140000	161.46	161.46	26.306	0.54800	1.0000	1000	0	0	0
54140000	54140000	54150000	161.22	161.22	20.278	0.54800	1.0000	1000	0	0	0
54150000	54150000	54160000	160.84	160.84	15.886	0.54800	1.0000	1000	0	0	0

48070000	48070000	48080000	411.21	506.63	253.59	0.54800	1.0000	1000	0	0	0
48080000	48080000	48090000	367.12	488.58	507.48	0.54800	1.0000	1000	0	0	0
C-48-50 SNGLJUN COMPONENT											
49000000	48090000	50010000	295.59	415.62	1060.5	0.54800	1.0000	1000	0	0	0
C-50 PIPE COMPONENT											
50010000	50010000	50020000	242.84	340.59	1609.8	0.54800	1.0000	1000	0	0	0
50020000	50020000	50030000	194.01	292.66	1557.6	0.54800	1.0000	1000	0	0	0
50030000	50030000	50040000	154.64	264.58	1009.0	0.54800	1.0000	1000	0	0	0
50040000	50040000	50050000	129.85	244.53	523.14	0.54800	1.0000	1000	0	0	0
C-50-52 SNGLJUN COMPONENT											
51000000	50050000	52010000	120.19	225.75	279.58	0.54800	1.0000	1000	0	0	0
C-52-54 SNGLJUN COMPONENT											
53000000	52010000	54010000	96.471	207.15	176.77	0.54800	1.0000	1000	0	0	0
C-54 PIPE COMPONENT											
54010000	54010000	54020000	101.32	196.04	134.83	0.54800	1.0000	1000	0	0	0
54020000	54020000	54030000	107.99	189.05	113.16	0.54800	1.0000	1000	0	0	0
54030000	54030000	54040000	117.42	184.42	98.831	0.54800	1.0000	1000	0	0	0
54040000	54040000	54050000	130.22	179.36	89.840	0.54800	1.0000	1000	0	0	0
54050000	54050000	54060000	147.67	172.47	87.447	0.54800	1.0000	1000	0	0	0
54060000	54060000	54070000	165.01	165.41	93.010	0.54800	1.0000	1000	0	0	0
54070000	54070000	54080000	165.79	165.79	91.883	0.54800	1.0000	1000	0	0	0
54080000	54080000	54090000	164.23	164.23	83.089	0.54800	1.0000	1000	0	0	0
54090000	54090000	54100000	162.94	162.94	70.315	0.54800	1.0000	1000	0	0	0
54100000	54100000	54110000	162.17	162.17	56.805	0.54800	1.0000	1000	0	0	0
54110000	54110000	54120000	161.78	161.78	44.521	0.54800	1.0000	1000	0	0	0
54120000	54120000	54130000	161.62	161.62	34.315	0.54800	1.0000	1000	0	0	0
54130000	54130000	54140000	161.46	161.46	26.306	0.54800	1.0000	1000	0	0	0
54140000	54140000	54150000	161.22	161.22	20.278	0.54800	1.0000	1000	0	0	0
54150000	54150000	54160000	160.84	160.84	15.886	0.54800	1.0000	1000	0	0	0
54160000	54160000	54170000	160.56	160.56	12.795	0.54800	1.0000	1000	0	0	0
54170000	54170000	54180000	159.98	159.98	10.650	0.54800	1.0000	1000	0	0	0
54180000	54180000	54190000	159.39	159.39	9.2104	0.54800	1.0000	1000	0	0	0
54190000	54190000	54200000	158.91	158.91	8.2701	0.54800	1.0000	1000	0	0	0
54200000	54200000	54210000	158.45	158.45	7.6667	0.54800	1.0000	1000	0	0	0
54210000	54210000	54220000	157.59	157.59	7.2680	0.54800	1.0000	1000	0	0	0
54220000	54220000	54230000	156.14	156.14	6.9911	0.54800	1.0000	1000	0	0	0
54230000	54230000	54240000	154.77	154.77	6.8136	0.54800	1.0000	1000	0	0	0
54240000	54240000	54250000	154.87	154.87	6.7517	0.54800	1.0000	1000	0	0	0
54250000	54250000	54260000	152.58	152.58	6.5009	0.54800	1.0000	1000	0	0	0
54260000	54260000	54270000	151.69	151.69	6.3346	0.54800	1.0000	1000	0	0	0
54270000	54270000	54280000	150.99	150.99	6.2404	0.54800	1.0000	1000	0	0	0
54280000	54280000	54290000	150.75	150.75	6.2002	0.54800	1.0000	1000	0	0	0
54290000	54290000	54300000	150.75	150.75	6.1870	0.54800	1.0000	1000	0	0	0
54300000	54300000	54310000	150.76	150.76	6.1811	0.54800	1.0000	1000	0	0	0
54310000	54310000	54320000	150.72	150.72	6.1764	0.54800	1.0000	1000	0	0	0
54320000	54320000	54330000	150.70	150.70	6.1744	0.54800	1.0000	1000	0	0	0
54330000	54330000	54340000	150.78	150.78	6.1774	0.54800	1.0000	1000	0	0	0
54340000	54340000	54350000	150.96	150.96	6.1852	0.54800	1.0000	1000	0	0	0
54350000	54350000	54360000	151.19	151.19	6.1960	0.54800	1.0000	1000	0	0	0
54360000	54360000	54370000	151.48	151.48	6.2089	0.54800	1.0000	1000	0	0	0
54370000	54370000	54380000	151.80	151.80	6.2239	0.54800	1.0000	1000	0	0	0
54380000	54380000	54390000	152.19	152.19	6.2414	0.54800	1.0000	1000	0	0	0
54390000	54390000	54400000	152.63	152.63	6.2617	0.54800	1.0000	1000	0	0	0
54400000	54400000	54410000	153.11	153.11	6.2841	0.54800	1.0000	1000	0	0	0
54410000	54410000	54420000	153.63	153.63	6.3078	0.54800	1.0000	1000	0	0	0
54420000	54420000	54430000	154.16	154.16	6.3322	0.54800	1.0000	1000	0	0	0
54430000	54430000	54440000	154.69	154.69	6.3567	0.54800	1.0000	1000	0	0	0
54440000	54440000	54450000	155.22	155.22	6.3810	0.54800	1.0000	1000	0	0	0
54450000	54450000	54460000	155.74	155.74	6.4051	0.54800	1.0000	1000	0	0	0
54460000	54460000	54470000	156.25	156.25	6.4287	0.54800	1.0000	1000	0	0	0
54470000	54470000	54480000	156.74	156.74	6.4519	0.54800	1.0000	1000	0	0	0
54480000	54480000	54490000	157.23	157.23	6.4744	0.54800	1.0000	1000	0	0	0
54490000	54490000	54500000	157.70	157.70	6.4962	0.54800	1.0000	1000	0	0	0
54500000	54500000	54510000	158.14	158.14	6.5171	0.54800	1.0000	1000	0	0	0
54510000	54510000	54520000	158.56	158.56	6.5368	0.54800	1.0000	1000	0	0	0
54520000	54520000	54530000	158.96	158.96	6.5552	0.54800	1.0000	1000	0	0	0
54530000	54530000	54540000	159.31	159.31	6.5720	0.54800	1.0000	1000	0	0	0
54540000	54540000	54550000	159.63	159.63	6.5871	0.54800	1.0000	1000	0	0	0
54550000	54550000	54560000	159.92	159.92	6.6005	0.54800	1.0000	1000	0	0	0
54560000	54560000	54570000	160.16	160.16	6.6120	0.54800	1.0000	1000	0	0	0
54570000	54570000	54580000	160.36	160.36	6.6217	0.54800	1.0000	1000	0	0	0
54580000	54580000	54590000	160.53	160.53	6.6296	0.54800	1.0000	1000	0	0	0
54590000	54590000	54600000	160.65	160.65	6.6357	0.54800	1.0000	1000	0	0	0
54600000	54600000	54610000	160.74	160.74	6.6402	0.54800	1.0000	1000	0	0	0
54610000	54610000	54620000	160.79	160.79	6.6430	0.54800	1.0000	1000	0	0	0
54620000	54620000	54630000	160.80	160.80	6.6441	0.54800	1.0000	1000	0	0	0
54630000	54630000	54640000	160.78	160.78	6.6438	0.54800	1.0000	1000	0	0	0
54640000	54640000	54650000	160.72	160.72	6.6419	0.54800	1.0000	1000	0	0	0
54650000	54650000	54660000	160.64	160.64	6.6388	0.54800	1.0000	1000	0	0	0
54660000	54660000	54670000	160.53	160.53	6.6346	0.54800	1.0000	1000	0	0	0
54670000	54670000	54680000	160.40	160.40	6.6294	0.54800	1.0000	1000	0	0	0
54680000	54680000	54690000	160.25	160.25	6.6236	0.54800	1.0000	1000	0	0	0
54690000	54690000	54700000	160.09	160.09	6.6173	0.54800	1.0000	1000	0	0	0
54700000	54700000	54710000	159.93	159.93	6.6109	0.54800	1.0000	1000	0	0	0
54710000	54710000	54720000	159.78	159.78	6.6046	0.54800	1.0000	1000	0	0	0
54720000	54720000	54730000	159.63	159.63	6.5988	0.54800	1.0000	1000	0	0	0
54730000	54730000	54740000	159.50	159.50	6.5936	0.54800	1.0000	1000	0	0	0
54740000	54740000	54750000	159.39	159.39	6.5894	0.54800	1.0000	1000	0	0	0

54480000	54480000	54490000	157.23	157.23	6.4744	0.54800	1.0000	1000	0	0	0
54490000	54490000	54500000	157.70	157.70	6.4962	0.54800	1.0000	1000	0	0	0
54500000	54500000	54510000	158.14	158.14	6.5171	0.54800	1.0000	1000	0	0	0
54510000	54510000	54520000	158.56	158.56	6.5368	0.54800	1.0000	1000	0	0	0
54520000	54520000	54530000	158.96	158.96	6.5552	0.54800	1.0000	1000	0	0	0
54530000	54530000	54540000	159.31	159.31	6.5720	0.54800	1.0000	1000	0	0	0
54540000	54540000	54550000	159.63	159.63	6.5871	0.54800	1.0000	1000	0	0	0
54550000	54550000	54560000	159.92	159.92	6.6005	0.54800	1.0000	1000	0	0	0
54560000	54560000	54570000	160.16	160.16	6.6120	0.54800	1.0000	1000	0	0	0
54570000	54570000	54580000	160.36	160.36	6.6217	0.54800	1.0000	1000	0	0	0
54580000	54580000	54590000	160.53	160.53	6.6296	0.54800	1.0000	1000	0	0	0
54590000	54590000	54600000	160.65	160.65	6.6357	0.54800	1.0000	1000	0	0	0
54600000	54600000	54610000	160.74	160.74	6.6402	0.54800	1.0000	1000	0	0	0
54610000	54610000	54620000	160.79	160.79	6.6430	0.54800	1.0000	1000	0	0	0
54620000	54620000	54630000	160.80	160.80	6.6441	0.54800	1.0000	1000	0	0	0
54630000	54630000	54640000	160.78	160.78	6.6438	0.54800	1.0000	1000	0	0	0
54640000	54640000	54650000	160.72	160.72	6.6419	0.54800	1.0000	1000	0	0	0
54650000	54650000	54660000	160.64	160.64	6.6388	0.54800	1.0000	1000	0	0	0
54660000	54660000	54670000	160.53	160.53	6.6346	0.54800	1.0000	1000	0	0	0
54670000	54670000	54680000	160.40	160.40	6.6294	0.54800	1.0000	1000	0	0	0
54680000	54680000	54690000	160.25	160.25	6.6236	0.54800	1.0000	1000	0	0	0
54690000	54690000	54700000	160.09	160.09	6.6173	0.54800	1.0000	1000	0	0	0
54700000	54700000	54710000	159.93	159.93	6.6109	0.54800	1.0000	1000	0	0	0
54710000	54710000	54720000	159.78	159.78	6.6046	0.54800	1.0000	1000	0	0	0
54720000	54720000	54730000	159.63	159.63	6.5988	0.54800	1.0000	1000	0	0	0
54730000	54730000	54740000	159.50	159.50	6.5936	0.54800	1.0000	1000	0	0	0
54740000	54740000	54750000	159.39	159.39	6.5894	0.54800	1.0000	1000	0	0	0
54750000	54750000	54760000	159.31	159.31	6.5863	0.54800	1.0000	1000	0	0	0
54760000	54760000	54770000	159.26	159.26	6.5846	0.54800	1.0000	1000	0	0	0
54770000	54770000	54780000	159.24	159.24	6.5843	0.54800	1.0000	1000	0	0	0
54780000	54780000	54790000	159.26	159.26	6.5856	0.54800	1.0000	1000	0	0	0
54790000	54790000	54800000	159.32	159.32	6.5885	0.54800	1.0000	1000	0	0	0
54800000	54800000	54810000	159.42	159.42	6.5933	0.54800	1.0000	1000	0	0	0
54810000	54810000	54820000	159.56	159.56	6.5998	0.54800	1.0000	1000	0	0	0
54820000	54820000	54830000	159.74	159.74	6.6082	0.54800	1.0000	1000	0	0	0
54830000	54830000	54840000	159.96	159.96	6.6184	0.54800	1.0000	1000	0	0	0
54840000	54840000	54850000	160.22	160.22	6.6304	0.54800	1.0000	1000	0	0	0
54850000	54850000	54860000	160.52	160.52	6.6443	0.54800	1.0000	1000	0	0	0
54860000	54860000	54870000	160.86	160.86	6.6599	0.54800	1.0000	1000	0	0	0
54870000	54870000	54880000	161.24	161.24	6.6774	0.54800	1.0000	1000	0	0	0
54880000	54880000	54890000	161.66	161.66	6.6967	0.54800	1.0000	1000	0	0	0
54890000	54890000	54900000	162.11	162.11	6.7178	0.54800	1.0000	1000	0	0	0
54900000	54900000	54910000	162.60	162.60	6.7406	0.54800	1.0000	1000	0	0	0
54910000	54910000	54920000	163.13	163.13	6.7652	0.54800	1.0000	1000	0	0	0
54920000	54920000	54930000	163.69	163.69	6.7916	0.54800	1.0000	1000	0	0	0
54930000	54930000	54940000	164.29	164.29	6.8197	0.54800	1.0000	1000	0	0	0
54940000	54940000	54950000	164.92	164.92	6.8495	0.54800	1.0000	1000	0	0	0
C-54-56 SNGLJUN COMPONENT											
55000000	54950000	56010000	165.59	165.59	6.8810	0.54800	1.0000	1000	0	0	0
C-56 PIPE COMPONENT											
56010000	56010000	56020000	167.09	167.09	6.9334	0.54800	1.0000	1000	0	0	0
56020000	56020000	56030000	168.30	168.30	6.9803	0.54800	1.0000	1000	0	0	0
56030000	56030000	56040000	169.58	169.58	7.0516	0.54800	1.0000	1000	0	0	0
56040000	56040000	56050000	170.93	170.93	7.1165	0.54800	1.0000	1000	0	0	0
56050000	56050000	56060000	172.34	172.34	7.1843	0.54800	1.0000	1000	0	0	0
56060000	56060000	56070000	173.81	173.81	7.2545	0.54800	1.0000	1000	0	0	0
56070000	56070000	56080000	175.32	175.32	7.3264	0.54800	1.0000	1000	0	0	0
56080000	56080000	56090000	176.85	176.85	7.3995	0.54800	1.0000	1000	0	0	0
56090000	56090000	56100000	178.40	178.40	7.4728	0.54800	1.0000	1000	0	0	0
56100000	56100000	56110000	179.92	179.92	7.5453	0.54800	1.0000	1000	0	0	0
56110000	56110000	56120000	181.38	181.38	7.6153	0.54800	1.0000	1000	0	0	0
56120000	56120000	56130000	182.74	182.74	7.6807	0.54800	1.0000	1000	0	0	0
56130000	56130000	56140000	183.95	183.95	7.7388	0.54800	1.0000	1000	0	0	0
56140000	56140000	56150000	184.93	184.93	7.7864	0.54800	1.0000	1000	0	0	0
56150000	56150000	56160000	185.62	185.62	7.8193	0.54800	1.0000	1000	0	0	0
56160000	56160000	56170000	185.90	185.90	7.8324	0.54800	1.0000	1000	0	0	0
56170000	56170000	56180000	185.64	185.64	7.8199	0.54800	1.0000	1000	0	0	0
56180000	56180000	56190000	184.71	184.71	7.7747	0.54800	1.0000	1000	0	0	0
56190000	56190000	56200000	182.94	182.94	7.6894	0.54800	1.0000	1000	0	0	0
56200000	56200000	56210000	180.17	180.17	7.5566	0.54800	1.0000	1000	0	0	0
56210000	56210000	56220000	176.26	176.26	7.3704	0.54800	1.0000	1000	0	0	0
56220000	56220000	56230000	171.15	171.15	7.1284	0.54800	1.0000	1000	0	0	0
56230000	56230000	56240000	164.89	164.89	6.8340	0.54800	1.0000	1000	0	0	0
56240000	56240000	56250000	157.67	157.67	6.4975	0.54800	1.0000	1000	0	0	0
56250000	56250000	56260000	149.81	149.81	6.1346	0.54800	1.0000	1000	0	0	0
56260000	56260000	56270000	141.68	141.68	5.7642	0.54800	1.0000	1000	0	0	0
56270000	56270000	56280000	133.69	133.69	5.4041	0.54800	1.0000	1000	0	0	0
56280000	56280000	56290000	126.13	126.13	5.0679	0.54800	1.0000	1000	0	0	0
56290000	56290000	56300000	119.21	119.21	4.7633	0.54800	1.0000	1000	0	0	0
56300000	56300000	56310000	112.97	112.97	4.4922	0.54800	1.0000	1000	0	0	0
56310000	56310000	56320000	107.37	107.37	4.2518	0.54800	1.0000	1000	0	0	0
56320000	56320000	56330000	102.29	102.29	4.0362	0.54800	1.0000	1000	0	0	0
56330000	56330000	56340000	97.568	97.568	3.8378	0.54800	1.0000	1000	0	0	0
56340000	56340000	56350000	93.025	93.025	3.6483	0.54800	1.0000	1000	0	0	0
C-56-58 SNGLJUN COMPONENT											
57000000	56350000	58010000	88.477	88.477	3.4595	0.54800	1.0000	1000	0	0	0
C-58 PIPE COMPONENT											
58010000	58010000	58020000	83.228	83.228	3.2429	0.54800	1.0000	1000	0	0	0

56100000	56100000	56110000	179.92	179.92	7.5453	0.54800	1.0000	1000	0	0	0
56110000	56110000	56120000	181.38	181.38	7.6153	0.54800	1.0000	1000	0	0	0
56120000	56120000	56130000	182.74	182.74	7.6807	0.54800	1.0000	1000	0	0	0
56130000	56130000	56140000	183.95	183.95	7.7388	0.54800	1.0000	1000	0	0	0
56140000	56140000	56150000	184.93	184.93	7.7864	0.54800	1.0000	1000	0	0	0
56150000	56150000	56160000	185.62	185.62	7.8193	0.54800	1.0000	1000	0	0	0
56160000	56160000	56170000	185.90	185.90	7.8324	0.54800	1.0000	1000	0	0	0
56170000	56170000	56180000	185.64	185.64	7.8199	0.54800	1.0000	1000	0	0	0
56180000	56180000	56190000	184.71	184.71	7.7747	0.54800	1.0000	1000	0	0	0
56190000	56190000	56200000	182.94	182.94	7.6894	0.54800	1.0000	1000	0	0	0
56200000	56200000	56210000	180.17	180.17	7.5566	0.54800	1.0000	1000	0	0	0
56210000	56210000	56220000	176.26	176.26	7.3704	0.54800	1.0000	1000	0	0	0
56220000	56220000	56230000	171.15	171.15	7.1284	0.54800	1.0000	1000	0	0	0
56230000	56230000	56240000	164.89	164.89	6.8340	0.54800	1.0000	1000	0	0	0
56240000	56240000	56250000	157.67	157.67	6.4975	0.54800	1.0000	1000	0	0	0
56250000	56250000	56260000	149.81	149.81	6.1346	0.54800	1.0000	1000	0	0	0
56260000	56260000	56270000	141.68	141.68	5.7642	0.54800	1.0000	1000	0	0	0
56270000	56270000	56280000	133.69	133.69	5.4041	0.54800	1.0000	1000	0	0	0
56280000	56280000	56290000	126.13	126.13	5.0679	0.54800	1.0000	1000	0	0	0
56290000	56290000	56300000	119.21	119.21	4.7633	0.54800	1.0000	1000	0	0	0
56300000	56300000	56310000	112.97	112.97	4.4922	0.54800	1.0000	1000	0	0	0
56310000	56310000	56320000	107.37	107.37	4.2518	0.54800	1.0000	1000	0	0	0
56320000	56320000	56330000	102.29	102.29	4.0362	0.54800	1.0000	1000	0	0	0
56330000	56330000	56340000	97.568	97.568	3.8378	0.54800	1.0000	1000	0	0	0
56340000	56340000	56350000	93.025	93.025	3.6483	0.54800	1.0000	1000	0	0	0
C-56-58 SNGLJUN COMPONENT											
57000000	56350000	58010000	88.477	88.477	3.4595	0.54800	1.0000	1000	0	0	0
C-58 PIPE COMPONENT											
58010000	58010000	58020000	83.228	83.228	3.2429	0.54800	1.0000	1000	0	0	0
58020000	58020000	58030000	77.519	77.519	3.0089	0.54800	1.0000	1000	0	0	0
58030000	58030000	58040000	71.185	71.185	2.7511	0.54800	1.0000	1000	0	0	0
58040000	58040000	58050000	64.157	64.157	2.4672	0.54800	1.0000	1000	0	0	0
58050000	58050000	58060000	56.503	56.503	2.1609	0.54800	1.0000	1000	0	0	0
58060000	58060000	58070000	48.436	48.436	1.8415	0.54800	1.0000	1000	0	0	0
C-58-60 SNGLJUN COMPONENT											
59000000	58070000	60010000	40.271	40.271	1.5220	0.54800	1.0000	1000	0	0	0
C-60 PIPE COMPONENT											
60010000	60010000	60020000	31.502	31.502	1.1833	0.54800	1.0000	1000	0	0	0
60020000	60020000	60030000	23.395	23.395	0.87427	0.54800	1.0000	1000	0	0	0
C-60-62 SNGLJUN COMPONENT											
61000000	60030000	62010000	14.018	14.018	0.54400	0.54800	1.0000	1000	0	0	0
C-62 PIPE COMPONENT											
62010000	62010000	62020000	9.43634E-02	6.5360	0.25124	0.54800	1.0000	1000	0	0	0
C-62-64 SNGLJUN COMPONENT											
63000000	62020000	64010000	-0.30829	-1.5667	-27.336	0.54800	1.0000	1000	0	0	0
C-64-66 SNGLJUN COMPONENT											
65000000	64010000	66010000	-0.80932	-0.80932	-27.371	0.54800	1.0000	1000	0	0	0
C-66-68 SNGLJUN COMPONENT											
67000000	66010000	68010000	-0.81053	-0.81053	-27.412	0.54800	1.0000	1000	0	0	0
C-69 BRANCH COMPONENT											
69010000	68010000	69010000	-0.81250	-0.81250	-27.479	0.54800	1.0000	1000	0	0	0
69020000	69010000	73010000	-1.1982	-1.1982	-20.186	0.27300	1.0000	0	0	0	0
69030000	69010000	70010000	-0.22621	-0.22621	-7.6504	0.54800	1.0000	1000	0	0	0
C-70 BRANCH COMPONENT											
70010000	70010000	73010000	-0.36504	-0.36504	-6.1497	0.27300	1.0000	0	0	0	0
70020000	70010000	71010000	-5.72063E-02	-5.72063E-02	-1.9347	0.54800	1.0000	1000	0	0	0
C-71-73 SNGLJUN COMPONENT											
72000000	71010000	73010000	-0.13576	-0.13576	-2.3877	0.28500	1.0000	0	0	0	0
C-73-75 SNGLJUN COMPONENT											
74000000	73010000	75010000	-7.36585E-02	-7.36585E-02	-0.49948	106.60	1.0000	1000	0	0	0
C-76 PIPE COMPONENT											
76010000	76010000	76020000	788.94	788.94	110.71	0.20100	1.0000	1000	0	0	0
76020000	76020000	76030000	1003.3	1003.3	110.52	0.20100	1.0000	1000	0	0	0
76030000	76030000	76040000	1141.8	1141.8	110.63	0.20100	1.0000	1000	0	0	0
C-76-044 SNGLJUN COMPONENT											
77000000	76040000	44010000	1259.7	1259.7	110.58	0.20100	1.0000	100	1	200	418
C178-76 VALVE COMPONENT											
78000000	178010000	76010000	1045.6	1046.5	111.55	1.70000E-02	1.0000	100	1	200	509
C-81-79 SNGLJUN COMPONENT											
80000000	81010000	79010000	84.965	84.965	110.52	0.14700	1.0000	1000	0	0	0
C-83-81 SNGLJUN COMPONENT											
82000000	83020000	81010000	84.792	84.792	110.44	0.14700	1.0000	1000	0	0	0
C-83 PIPE COMPONENT											
83010000	83010000	83020000	7.78108E-02	7.78108E-02	0.10118	0.14700	1.0000	1000	0	0	0
C-85-83 SNGLJUN COMPONENT											
84000000	83020000	85010000	-84.599	-84.599	-110.26	0.14700	1.0000	1000	0	0	0
C-85 PIPE COMPONENT											
85010000	85010000	85020000	-9.49712E-02	-9.49712E-02	-0.12350	0.14700	1.0000	1000	0	0	0
C-87-85 SNGLJUN COMPONENT											
86000000	87010000	85010000	84.501	84.501	110.07	0.14700	1.0000	1000	0	0	0
C-89-87 SNGLJUN COMPONENT											
88000000	89010000	87010000	84.434	84.434	110.04	0.14700	1.0000	1000	0	0	0
C-91-89 SNGLJUN COMPONENT											
90000000	91030000	89010000	84.416	84.416	110.04	0.14700	1.0000	1000	0	0	0
C-91 PIPE COMPONENT											
91010000	91010000	91020000	84.500	84.500	110.19	0.14700	1.0000	1000	0	0	0
91020000	91020000	91030000	84.432	84.432	110.08	0.14700	1.0000	1000	0	0	0
C-01-91 SNGLJUN COMPONENT											

C-76	PIPE	COMPONENT									
76010000	76010000	76020000	788.94	788.94	110.71	0.20100	1.0000	1000	0	0	0
76020000	76020000	76030000	1003.3	1003.3	110.52	0.20100	1.0000	1000	0	0	0
76030000	76030000	76040000	1141.8	1141.8	110.63	0.20100	1.0000	1000	0	0	0
C-76-044	SNGLJUN	COMPONENT									
77000000	76040000	44010000	1259.7	1259.7	110.58	0.20100	1.0000	100	1	200	418
C178-76	VALVE	COMPONENT									
78000000	178010000	76010000	1045.6	1046.5	111.55	1.70000E-02	1.0000	100	1	200	509
C-81-79	SNGLJUN	COMPONENT									
80000000	81010000	79010000	84.965	84.965	110.52	0.14700	1.0000	1000	0	0	0
C-83-81	SNGLJUN	COMPONENT									
82000000	83020000	81010000	84.792	84.792	110.44	0.14700	1.0000	1000	0	0	0
C-83	PIPE	COMPONENT									
83010000	83010000	83020000	7.78108E-02	7.78108E-02	0.10118	0.14700	1.0000	1000	0	0	0
C-85-83	SNGLJUN	COMPONENT									
84000000	83020000	85010000	-84.599	-84.599	-110.26	0.14700	1.0000	1000	0	0	0
C-85	PIPE	COMPONENT									
85010000	85010000	85020000	-9.49712E-02	-9.49712E-02	-0.12350	0.14700	1.0000	1000	0	0	0
C-87-85	SNGLJUN	COMPONENT									
86000000	87010000	85010000	84.501	84.501	110.07	0.14700	1.0000	1000	0	0	0
C-89-87	SNGLJUN	COMPONENT									
88000000	89010000	87010000	84.434	84.434	110.04	0.14700	1.0000	1000	0	0	0
C-91-89	SNGLJUN	COMPONENT									
90000000	91030000	89010000	84.416	84.416	110.04	0.14700	1.0000	1000	0	0	0
C-91	PIPE	COMPONENT									
91010000	91010000	91020000	84.500	84.500	110.19	0.14700	1.0000	1000	0	0	0
91020000	91020000	91030000	84.432	84.432	110.08	0.14700	1.0000	1000	0	0	0
C-01-91	SNGLJUN	COMPONENT									
92000000	1010000	91010000	84.311	84.311	110.37	0.14700	1.0000	0	0	0	0
RD	VALVE	COMPONENT									
94000000	95010000	93010000	949.11	949.11	65.414	0.20100	0.81094	100	1	200	370
PR-2A	VALVE	COMPONENT									
98000000	198010000	36010000	983.35	1042.8	108.78	1.70000E-02	1.0000	100	1	200	509
C-100	SNGLJUN	COMPONENT									
100000000	101010000	99010000	85.406	85.406	110.33	0.14700	1.0000	1000	0	0	0
C1-103	SNGLJUN	COMPONENT									
102000000	103020000	101010000	85.673	85.673	110.75	0.14700	1.0000	1000	0	0	0
C-103	PIPE	COMPONENT									
103010000	103010000	103020000	85.983	85.983	111.19	0.14700	1.0000	1000	0	0	0
C5-103	SNGLJUN	COMPONENT									
104000000	105020000	103010000	86.257	86.257	111.65	0.14700	1.0000	1000	0	0	0
C-105	PIPE	COMPONENT									
105010000	105010000	105020000	86.679	86.679	112.29	0.14700	1.0000	1000	0	0	0
C7-105	SNGLJUN	COMPONENT									
106000000	107010000	105010000	87.039	87.039	112.86	0.14700	1.0000	1000	0	0	0
C9-107	SNGLJUN	COMPONENT									
108000000	109010000	107010000	87.155	87.155	113.14	0.14700	1.0000	1000	0	0	0
C11-109	SNGLJUN	COMPONENT									
110000000	111030000	109010000	87.327	87.327	113.47	0.14700	1.0000	1000	0	0	0
C-111	PIPE	COMPONENT									
111010000	111010000	111020000	87.523	87.523	114.05	0.14700	1.0000	1000	0	0	0
111020000	111020000	111030000	87.482	87.482	113.83	0.14700	1.0000	1000	0	0	0
C13-111	SNGLJUN	COMPONENT									
112000000	113010000	111010000	87.173	87.173	114.12	0.14700	1.0000	0	0	0	0
C-114	PIPE	COMPONENT									
114010000	114010000	114020000	233.70	233.70	48.158	0.54800	1.0000	1000	0	0	0
114020000	114020000	114030000	231.66	231.66	47.526	0.54800	1.0000	1000	0	0	0
C-119	SNGLJUN	COMPONENT									
119000000	36030000	136010000	1083.9	1083.9	109.68	0.20100	1.0000	1000	0	0	0
C-120	SNGLJUN	COMPONENT									
120000000	136010000	97010000	1248.2	1248.2	109.70	0.20100	1.0000	100	1	200	331
C-121	SNGLJUN	COMPONENT									
121000000	97010000	96010000	723.83	723.83	45.289	0.20100	1.0000	100	0	0	3
C-122	SNGLJUN	COMPONENT									
122000000	97010000	95010000	1037.5	1037.5	64.914	0.20100	0.92039	100	0	0	9
C-123	SNGLJUN	COMPONENT									
123000000	114030000	48010000	228.51	228.51	53.582	0.54800	0.25000	100	1	196	315
RD	VALVE	COMPONENT									
194000000	195020000	193010000	1027.5	1027.5	61.388	0.18800	0.86702	100	1	200	276
C-195	PIPE	COMPONENT									
195010000	195010000	195020000	1032.3	1032.3	61.244	0.18800	1.0000	0	0	0	10
C-44-195	SNGLJUN	COMPONENT									
196000000	44010000	195010000	1152.4	1152.4	60.486	0.20100	1.0000	100	0	0	0
V-INLET	SNGLJUN	COMPONENT									
278000000	79010000	178010000	735.76	735.76	110.64	1.70000E-02	1.0000	100	0	0	0
V-INLET	SNGLJUN	COMPONENT									
298000000	99010000	198010000	734.80	734.80	109.74	1.70000E-02	1.0000	100	0	0	0

JUN.NO.	RHOFJ (LB/FT3)	RHOGJ (LB/FT3)	MAP	REG	FIJ (LB.S/FT4)	VOIDGJ	VOIDD	VOIDT	CCAJ	FORMFJ	FORMGJ
36010000	53.605	0.57360	HRT	TCT	1.644E+17	0.997	0.941	0.941	0.000	0.00	0.00
36020000	54.428	0.44629	HRT	TCT	1.704E+17	0.997	0.470	0.470	0.000	0.00	0.00
37000000	55.549	0.30316	HRT	MST	1.805E+17	0.998	0.563	0.563	0.000	0.00	0.00
38010000	55.313	0.32798	HRT	MST	1.807E+17	0.998	1.00	1.00	6.325E-09	0.00	0.00
38020000	55.319	0.32755	HRT	MST	1.420E+17	0.998	1.00	1.00	3.091E-06	0.00	0.00
38030000	55.317	0.32796	HRT	CTM	6.63	0.995	1.00	1.00	1.071E-03	0.00	0.00
38040000	56.099	0.34248	HRT	CTM	473.	0.849	1.00	1.00	0.124	0.00	0.00
38050000	58.438	0.48499	HRT	CTT	957.	0.465	1.00	1.00	0.534	0.00	0.00
38060000	59.030	0.72633	HRT	CTR	505.						

C-76 PIPE COMPONENT											
76010000	76010000	76020000	788.94	788.94	110.71	0.20100	1.0000	1000	0	0	0
76020000	76020000	76030000	1003.3	1003.3	110.52	0.20100	1.0000	1000	0	0	0
76030000	76030000	76040000	1141.8	1141.8	110.63	0.20100	1.0000	1000	0	0	0
C-76-044 SNGLJUN COMPONENT											
77000000	76040000	44010000	1259.7	1259.7	110.58	0.20100	1.0000	100	1	200	418
C178-76 VALVE COMPONENT											
78000000	178010000	76010000	1045.6	1046.5	111.55	1.70000E-02	1.0000	100	1	200	509
C-81-79 SNGLJUN COMPONENT											
80000000	81010000	79010000	84.965	84.965	110.52	0.14700	1.0000	1000	0	0	0
C-83-81 SNGLJUN COMPONENT											
82000000	83020000	81010000	84.792	84.792	110.44	0.14700	1.0000	1000	0	0	0
C-83 PIPE COMPONENT											
83010000	83010000	83020000	7.78108E-02	7.78108E-02	0.10118	0.14700	1.0000	1000	0	0	0
C-85-83 SNGLJUN COMPONENT											
84000000	83020000	85010000	-84.599	-84.599	-110.26	0.14700	1.0000	1000	0	0	0
C-85 PIPE COMPONENT											
85010000	85010000	85020000	-9.49712E-02	-9.49712E-02	-0.12350	0.14700	1.0000	1000	0	0	0
C-87-85 SNGLJUN COMPONENT											
86000000	87010000	85010000	84.501	84.501	110.07	0.14700	1.0000	1000	0	0	0
C-89-87 SNGLJUN COMPONENT											
88000000	89010000	87010000	84.434	84.434	110.04	0.14700	1.0000	1000	0	0	0
C-91-89 SNGLJUN COMPONENT											
90000000	91030000	89010000	84.416	84.416	110.04	0.14700	1.0000	1000	0	0	0
C-91 PIPE COMPONENT											
91010000	91010000	91020000	84.500	84.500	110.19	0.14700	1.0000	1000	0	0	0
91020000	91020000	91030000	84.432	84.432	110.08	0.14700	1.0000	1000	0	0	0
C-01-91 SNGLJUN COMPONENT											
92000000	1010000	91010000	84.311	84.311	110.37	0.14700	1.0000	0	0	0	0
RD VALVE COMPONENT											
94000000	95010000	93010000	949.11	949.11	65.414	0.20100	0.81094	100	1	200	370
PR-2A VALVE COMPONENT											
98000000	198010000	36010000	983.35	1042.8	108.78	1.70000E-02	1.0000	100	1	200	509
C-100 SNGLJUN COMPONENT											
100000000	101010000	99010000	85.406	85.406	110.33	0.14700	1.0000	1000	0	0	0
C1-103 SNGLJUN COMPONENT											
102000000	103020000	101010000	85.673	85.673	110.75	0.14700	1.0000	1000	0	0	0
C-103 PIPE COMPONENT											
103010000	103010000	103020000	85.983	85.983	111.19	0.14700	1.0000	1000	0	0	0
C5-103 SNGLJUN COMPONENT											
104000000	105020000	103010000	86.257	86.257	111.65	0.14700	1.0000	1000	0	0	0
C-105 PIPE COMPONENT											
105010000	105010000	105020000	86.679	86.679	112.29	0.14700	1.0000	1000	0	0	0
C7-105 SNGLJUN COMPONENT											
106000000	107010000	105010000	87.039	87.039	112.86	0.14700	1.0000	1000	0	0	0
C9-107 SNGLJUN COMPONENT											
108000000	109010000	107010000	87.155	87.155	113.14	0.14700	1.0000	1000	0	0	0
C11-109 SNGLJUN COMPONENT											
110000000	111030000	109010000	87.327	87.327	113.47	0.14700	1.0000	1000	0	0	0
C-111 PIPE COMPONENT											
111010000	111010000	111020000	87.523	87.523	114.05	0.14700	1.0000	1000	0	0	0
111020000	111020000	111030000	87.482	87.482	113.83	0.14700	1.0000	1000	0	0	0
C13-111 SNGLJUN COMPONENT											
112000000	113010000	111010000	87.173	87.173	114.12	0.14700	1.0000	0	0	0	0
C-114 PIPE COMPONENT											
114010000	114010000	114020000	233.70	233.70	48.158	0.54800	1.0000	1000	0	0	0
114020000	114020000	114030000	231.66	231.66	47.526	0.54800	1.0000	1000	0	0	0
C-119 SNGLJUN COMPONENT											
119000000	36030000	136010000	1083.9	1083.9	109.68	0.20100	1.0000	1000	0	0	0
C-120 SNGLJUN COMPONENT											
120000000	136010000	97010000	1248.2	1248.2	109.70	0.20100	1.0000	100	1	200	331
C-121 SNGLJUN COMPONENT											
121000000	97010000	96010000	723.83	723.83	45.289	0.20100	1.0000	100	0	0	3
C-122 SNGLJUN COMPONENT											
122000000	97010000	95010000	1037.5	1037.5	64.914	0.20100	0.92039	100	0	0	9
C-123 SNGLJUN COMPONENT											
123000000	114030000	48010000	228.51	228.51	53.582	0.54800	0.25000	100	1	196	315
RD VALVE COMPONENT											
194000000	195020000	193010000	1027.5	1027.5	61.388	0.18800	0.86702	100	1	200	276
C-195 PIPE COMPONENT											
195010000	195010000	195020000	1032.3	1032.3	61.244	0.18800	1.0000	0	0	0	10
C-44-195 SNGLJUN COMPONENT											
196000000	44010000	195010000	1152.4	1152.4	60.486	0.20100	1.0000	100	0	0	0
V-INLET SNGLJUN COMPONENT											

278000000	79010000	178010000	735.76	735.76	110.64	1.70000E-02	1.0000	100	0	0	0
V-INLET SNGLJUN COMPONENT											
298000000	99010000	198010000	734.80	734.80	109.74	1.70000E-02	1.0000	100	0	0	0

JUN.NO.	RHOFJ (LB/FT3)	RHOGJ (LB/FT3)	MAP	REG	FIJ (LB.S/FT4)	VOIDGJ	VOIDD	VOIDT	CCAJ	FORMFJ	FORMGJ
36010000	53.605	0.57360	HRT	TCT	1.644E+17	0.997	0.941	0.941	0.000	0.00	0.00
36020000	54.428	0.44629	HRT	TCT	1.704E+17	0.997	0.470	0.470	0.000	0.00	0.00
37000000	55.549	0.30316	HRT	MST	1.805E+17	0.998	0.563	0.563	0.000	0.00	0.00
38010000	55.313	0.32798	HRT	MST	1.807E+17	0.998	1.00	1.00	6.325E-09	0.00	0.00
38020000	55.319	0.32755	HRT	MST	1.420E+17	0.998	1.00	1.00	3.091E-06	0.00	0.00
38030000	55.317	0.32796	HRT	CTM	6.63	0.995	1.00	1.00	1.071E-03	0.00	0.00
38040000	56.099	0.34248	HRT	CTM	473.	0.849	1.00	1.00	0.124	0.00	0.00
38050000	58.438	0.48499	HRT	CTT	957.	0.465	1.00	1.00	0.534	0.00	0.00
38060000	59.030	0.72633	HRT	CTH	505.						

C-121 SNGLJUN COMPONENT											
121000000 97010000 96010000	723.83	723.83	45.289	0.20100	1.0000	100	0	0	3		
C-122 SNGLJUN COMPONENT											
122000000 97010000 95010000	1037.5	1037.5	64.914	0.20100	0.92039	100	0	0	9		
C-123 SNGLJUN COMPONENT											
123000000 114030000 48010000	228.51	228.51	53.582	0.54800	0.25000	100	1	196	315		
RD VALVE COMPONENT											
194000000 195020000 193010000	1027.5	1027.5	61.388	0.18800	0.86702	100	1	200	276		
C-195 PIPE COMPONENT											
195010000 195010000 195020000	1032.3	1032.3	61.244	0.18800	1.0000	0	0	0	10		
C-44-195 SNGLJUN COMPONENT											
196000000 44010000 195010000	1152.4	1152.4	60.486	0.20100	1.0000	100	0	0	0		
V-INLET SNGLJUN COMPONENT											
278000000 79010000 178010000	735.76	735.76	110.64	1.70000E-02	1.0000	100	0	0	0		
V-INLET SNGLJUN COMPONENT											
298000000 99010000 198010000	734.80	734.80	109.74	1.70000E-02	1.0000	100	0	0	0		

JUN.NO.	RHOFJ (LB/FT3)	RHOGJ (LB/FT3)	MAP	REG	FIJ (LB.S/FT4)	VOIDGJ	VOIDD	VOIDT	CCAJ	FORMFJ	FORMGJ
36010000	53.605	0.57360	HRT	TCT	1.644E+17	0.997	0.941	0.941	0.000	0.00	0.00
36020000	54.428	0.44629	HRT	TCT	1.704E+17	0.997	0.470	0.470	0.000	0.00	0.00
37000000	55.549	0.30316	HRT	MST	1.805E+17	0.998	0.563	0.563	0.000	0.00	0.00
38010000	55.313	0.32798	HRT	MST	1.807E+17	0.998	1.00	1.00	6.325E-09	0.00	0.00
38020000	55.319	0.32755	HRT	MST	1.420E+17	0.998	1.00	1.00	3.091E-06	0.00	0.00
38030000	55.317	0.32796	HRT	CTM	6.63	0.995	1.00	1.00	1.071E-03	0.00	0.00
38040000	56.099	0.34248	HRT	CTM	473.	0.849	1.00	1.00	0.124	0.00	0.00
38050000	58.438	0.48499	HRT	CTT	957.	0.465	1.00	1.00	0.534	0.00	0.00
38060000	59.030	0.72633	HRT	CTB	505.	0.276	1.00	1.00	0.825	0.00	0.00
39000000	55.283	0.33122	HRT	MST	1.800E+17	0.998	1.00	1.00	0.000	0.00	0.00
41000000	58.547	0.67346	HRT	CTT	23.2	0.295	1.00	1.00	0.833	0.00	0.00
43000000	56.724	0.20062	HRT	CTM	0.829E+04	0.998	0.998	0.998	0.000	0.40	0.40
45000000	56.724	0.20062	HRT	MST	1.876E+17	0.998	0.998	0.998	0.000	0.40	0.40
46010000	55.633	0.29454	HRT	MST	1.834E+17	0.998	0.631	0.631	0.000	0.00	0.00
46020000	55.604	0.29754	HRT	MST	1.833E+17	0.998	1.00	1.00	0.000	0.00	0.00
47000000	55.615	0.29648	HRT	MST	1.837E+17	0.998	1.00	1.00	0.000	0.00	0.00
48010000	57.427	0.14594	HRT	MST	1.806E+17	0.998	1.00	1.00	1.181E-04	0.00	0.00
48020000	57.594	0.13530	HRT	MST	1.720E+17	0.998	1.00	1.00	1.872E-04	0.00	0.00
48030000	57.642	0.13231	HRT	MST	1.580E+17	0.997	1.00	1.00	2.811E-04	0.00	0.00
48040000	57.668	0.13075	HRT	MST	1.285E+17	0.997	1.00	1.00	4.033E-04	0.00	0.00
48050000	57.687	0.12962	HRT	MST	6.144E+16	0.995	1.00	1.00	5.583E-04	0.00	0.00
48060000	57.755	0.12563	HRT	MST	0.524	0.991	1.00	1.00	7.531E-04	0.00	0.00
48070000	57.787	0.12401	HRT	CTM	5.20	0.983	1.00	1.00	1.053E-03	0.00	0.00
48080000	57.895	0.11890	HRT	CTM	11.3	0.959	1.00	1.00	1.859E-03	0.00	0.00
49000000	58.212	0.10588	HRT	CTM	12.8	0.989	1.00	1.00	6.419E-03	0.00	0.00
50010000	58.650	8.75834E-02	VRT	CTM	9.34	0.795	1.00	1.00	2.790E-02	0.00	0.00
50020000	59.016	7.45560E-02	VRT	CTM	6.60	0.753	1.00	1.00	8.657E-02	0.00	0.00
50030000	59.319	6.68412E-02	VRT	CTM	5.02	0.800	1.00	1.00	0.180	0.00	0.00
50040000	59.594	6.28684E-02	VRT	CTM	3.14	0.878	1.00	1.00	0.290	0.00	0.00
51000000	59.836	6.22664E-02	VRT	TCT	1.72	0.930	1.00	1.00	0.402	0.00	0.00
53000000	60.039	6.34527E-02	HRT	MST	1.10	0.946	1.00	1.00	0.496	0.00	0.00
54010000	60.189	6.39761E-02	VRT	MST	0.695	0.961	1.00	1.00	0.561	0.00	0.00
54020000	60.287	6.46903E-02	VRT	MST	0.321	0.970	1.00	1.00	0.601	0.00	0.00
54030000	60.358	6.53886E-02	VRT	MST	0.161	0.976	1.00	1.00	0.630	0.00	0.00
54040000	60.418	6.60919E-02	VRT	MST	9.667E-02	0.980	1.00	1.00	0.653	0.00	0.00
54050000	60.475	6.69552E-02	VRT	MST	7.061E-02	0.983	1.00	1.00	0.674	0.00	0.00
54060000	60.531	6.80185E-02	VRT	MST	333.	0.984	1.00	1.00	0.695	0.00	0.00
54070000	60.603	6.70827E-02	VRT	MST	3.974E+06	0.984	1.00	1.00	0.711	0.00	0.00
54080000	60.673	6.74151E-02	VRT	MST	4.044E+10	0.985	1.00	1.00	0.731	0.00	0.00
54090000	60.749	6.81556E-02	VRT	MST	3.959E+14	0.988	1.00	1.00	0.754	0.00	0.00
54100000	60.836	6.90851E-02	VRT	MST	4.167E+16	0.990	1.00	1.00	0.777	0.00	0.00
54110000	60.932	7.01548E-02	VRT	MST	8.638E+16	0.992	1.00	1.00	0.802	0.00	0.00
54120000	61.035	7.13275E-02	VRT	MST	1.226E+17	0.994	1.00	1.00	0.826	0.00	0.00
54130000	61.143	7.25800E-02	VRT	MST	1.505E+17	0.996	1.00	1.00	0.849	0.00	0.00
54140000	61.251	7.38579E-02	VRT	MST	1.711E+17	0.997	1.00	1.00	0.870	0.00	0.00
54150000	61.355	7.50989E-02	VRT	MST	1.860E+17	0.998	1.00	1.00	0.888	0.00	0.00
54160000	61.448	7.62245E-02	SGP	INV	1.940E+17	0.998	1.00	1.00	0.903	0.00	0.00
54170000	61.528	7.71812E-02	SGP	INV	1.940E+17	0.999	1.00	1.00	0.914	0.00	0.00
54180000	61.591	7.79504E-02	SGP	INV	1.940E+17	0.999	1.00	1.00	0.923	0.00	0.00
54190000	61.639	7.85004E-02	SGP	INV	1.940E+17	0.999	1.00	1.00	0.929	0.00	0.00
54200000	61.672	7.88448E-02	SGP	INV	1.940E+17	0.999	1.00	1.00	0.933	0.00	0.00
54210000	61.695	7.90377E-02	SGP	INV	1.940E+17	0.999	1.00	1.00	0.935	0.00	0.00
54220000	61.709	7.91640E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.937	0.00	0.00
54230000	61.717	7.92908E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.938	0.00	0.00
54240000	61.721	7.93517E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.938	0.00	0.00
54250000	61.751	7.77496E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.941	0.00	0.00
54260000	61.780	7.62027E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.945	0.00	0.00
54270000	61.795	7.54200E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.946	0.00	0.00
54280000	61.803	7.50541E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.947	0.00	0.00
54290000	61.806	7.48920E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.947	0.00	0.00
54300000	61.808	7.48178E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.947	0.00	0.00
54310000	61.808	7.47806E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.947	0.00	0.00
54320000	61.809	7.47637E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54330000	61.809	7.47613E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54340000	61.809	7.47687E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54350000	61.809	7.47816E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54360000	61.809	7.47975E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54370000	61.808	7.48163E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54380000	61.808	7.48386E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00

54110000	60.932	7.01548E-02	VRT	MST	8.638E+16	0.992	1.00	1.00	0.802	0.00	0.00
54120000	61.035	7.13275E-02	VRT	MST	1.226E+17	0.994	1.00	1.00	0.826	0.00	0.00
54130000	61.143	7.25800E-02	VRT	MST	1.505E+17	0.996	1.00	1.00	0.849	0.00	0.00
54140000	61.251	7.38579E-02	VRT	MST	1.711E+17	0.997	1.00	1.00	0.870	0.00	0.00
54150000	61.355	7.50989E-02	VRT	MST	1.860E+17	0.998	1.00	1.00	0.888	0.00	0.00
54160000	61.448	7.62245E-02	SGP	INV	1.940E+17	0.998	1.00	1.00	0.903	0.00	0.00
54170000	61.528	7.71812E-02	SGP	INV	1.940E+17	0.999	1.00	1.00	0.914	0.00	0.00
54180000	61.591	7.79504E-02	SGP	INV	1.940E+17	0.999	1.00	1.00	0.923	0.00	0.00
54190000	61.639	7.85004E-02	SGP	INV	1.940E+17	0.999	1.00	1.00	0.929	0.00	0.00
54200000	61.672	7.88448E-02	SGP	INV	1.940E+17	0.999	1.00	1.00	0.933	0.00	0.00
54210000	61.695	7.90377E-02	SGP	INV	1.940E+17	0.999	1.00	1.00	0.935	0.00	0.00
54220000	61.709	7.91640E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.937	0.00	0.00
54230000	61.717	7.92908E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.938	0.00	0.00

54240000	61.721	7.93517E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.938	0.00	0.00
54250000	61.751	7.77496E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.941	0.00	0.00
54260000	61.780	7.62027E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.945	0.00	0.00
54270000	61.795	7.54200E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.946	0.00	0.00
54280000	61.803	7.50541E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.947	0.00	0.00
54290000	61.806	7.48920E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.947	0.00	0.00
54300000	61.808	7.48178E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.947	0.00	0.00
54310000	61.808	7.47806E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.947	0.00	0.00
54320000	61.809	7.47637E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54330000	61.809	7.47613E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54340000	61.809	7.47687E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54350000	61.809	7.47816E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54360000	61.809	7.47975E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54370000	61.808	7.48163E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54380000	61.808	7.48386E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54390000	61.808	7.48645E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54400000	61.808	7.48934E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54410000	61.807	7.49242E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54420000	61.807	7.49558E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54430000	61.807	7.49876E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54440000	61.806	7.50193E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54450000	61.806	7.50508E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54460000	61.806	7.50820E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54470000	61.806	7.51127E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54480000	61.805	7.51429E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54490000	61.805	7.51724E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54500000	61.805	7.52009E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54510000	61.804	7.52281E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54520000	61.804	7.52537E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54530000	61.804	7.52774E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54540000	61.804	7.52990E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54550000	61.804	7.53184E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54560000	61.804	7.53357E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54570000	61.803	7.53508E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54580000	61.803	7.53639E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54590000	61.803	7.53753E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54600000	61.803	7.53851E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54610000	61.803	7.53934E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54620000	61.803	7.54004E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54630000	61.803	7.54064E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54640000	61.803	7.54114E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54650000	61.803	7.54156E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54660000	61.803	7.54192E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54670000	61.803	7.54224E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54680000	61.803	7.54251E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54690000	61.803	7.54277E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54700000	61.803	7.54301E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54710000	61.803	7.54325E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54720000	61.803	7.54350E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54730000	61.803	7.54378E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54740000	61.803	7.54408E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54750000	61.803	7.54442E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54760000	61.803	7.54481E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54770000	61.803	7.54527E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54780000	61.802	7.54580E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54790000	61.802	7.54643E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54800000	61.802	7.54716E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54810000	61.802	7.54803E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54820000	61.802	7.54905E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54830000	61.802	7.55024E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00

54840000	61.802	7.55162E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54850000	61.802	7.55322E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54860000	61.802	7.55503E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54870000	61.801	7.55709E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54880000	61.801	7.55940E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54890000	61.801	7.56197E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54900000	61.801	7.56481E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54910000	61.800	7.56793E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54920000	61.800	7.57131E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54930000	61.800	7.57497E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54940000	61.799	7.57888E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
55000000	61.799	7.58303E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56010000	61.799	7.57206E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56020000	61.799	7.57943E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56030000	61.798	7.58817E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00

54700000	61.803	7.54301E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54710000	61.803	7.54325E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54720000	61.803	7.54350E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54730000	61.803	7.54378E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54740000	61.803	7.54408E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54750000	61.803	7.54442E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54760000	61.803	7.54481E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54770000	61.803	7.54527E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54780000	61.802	7.54580E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54790000	61.802	7.54643E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54800000	61.802	7.54716E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54810000	61.802	7.54803E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54820000	61.802	7.54905E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54830000	61.802	7.55024E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54840000	61.802	7.55162E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54850000	61.802	7.55322E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54860000	61.802	7.55503E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54870000	61.801	7.55709E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54880000	61.801	7.55940E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54890000	61.801	7.56197E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54900000	61.801	7.56481E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54910000	61.800	7.56793E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54920000	61.800	7.57131E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54930000	61.800	7.57497E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54940000	61.799	7.57888E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
55000000	61.799	7.58303E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56010000	61.799	7.57206E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56020000	61.799	7.57943E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56030000	61.798	7.58817E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56040000	61.797	7.59754E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56050000	61.796	7.60709E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56060000	61.796	7.61653E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56070000	61.795	7.62580E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56080000	61.794	7.63493E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56090000	61.793	7.64394E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56100000	61.792	7.65284E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56110000	61.791	7.66152E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56120000	61.791	7.66975E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56130000	61.790	7.67713E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56140000	61.790	7.68314E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56150000	61.789	7.68718E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56160000	61.789	7.68859E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56170000	61.789	7.68669E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56180000	61.790	7.68077E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56190000	61.791	7.67004E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56200000	61.793	7.65364E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56210000	61.795	7.63065E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56220000	61.798	7.60045E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56230000	61.802	7.56306E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56240000	61.806	7.51984E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56250000	61.810	7.47261E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56260000	61.815	7.42400E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56270000	61.819	7.37650E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56280000	61.824	7.33197E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56290000	61.827	7.29176E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56300000	61.831	7.25641E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56310000	61.834	7.22608E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56320000	61.836	7.20032E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56330000	61.839	7.17776E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56340000	61.841	7.15656E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
57000000	61.843	7.13515E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58010000	61.845	7.11013E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58020000	61.848	7.08305E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58030000	61.851	7.05248E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58040000	61.854	7.01759E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58050000	61.858	6.97886E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58060000	61.862	6.93784E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
59000000	61.866	6.89656E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
60010000	61.870	6.85441E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
60020000	61.872	6.81932E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.947	0.00	0.00
61000000	61.832	6.99761E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.942	0.00	0.00
62010000	61.807	6.92263E-02	VRT	MST	2.807E-02	0.998	1.00	1.00	0.939	0.00	0.00
63000000	61.715	6.88914E-02	HRT	TST	9.702E-04	1.581E-05	0.377	0.377	0.945	0.00	0.00
65000000	61.715	3.72261E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00
67000000	61.715	3.63682E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00
69010000	61.714	3.47112E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00
69020000	61.714	5.58052E-02	SGP	INV	1.940E+17	8.940E-05	0.000	0.000	0.941	0.00	0.00
69030000	61.714	3.40153E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00
70010000	61.714	5.58052E-02	SGP	INV	1.940E+17	8.940E-05	0.000	0.000	0.941	0.00	0.00
70020000	61.714	3.38151E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00
72000000	61.714	5.58052E-02	SGP	INV	1.940E+17	8.940E-05	0.000	0.000	0.941	0.00	0.00
74000000	61.908	5.59703E-02	VRT	SLG	4.617E+10	0.999	0.249	0.249	0.938	0.00	0.00
76010000	53.700	0.56894	HRT	TCT	1.671E+17	0.997	0.941	0.941	0.000	0.00	0.00
76020000	54.548	0.43691	HRT	TCT	1.732E+17	0.997	0.470	0.470	0.000	0.00	0.00
76030000	54.958	0.37919	HRT	TCT	1.764E+17	0.998	0.000	0.000	0.000	0.00	0.00
77000000	55.259	0.34047	HRT	TCT	1.778E+17	0.998	0.998	0.998	0.000	0.00	0.00
78000000	38.912	5.3501	HRT	CTM	0.133E+04	0.972	0.974	0.972	0.000	0.82	0.83
80000000	33.126	8.8488	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
82000000	33.054	8.8601	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00

58010000	61.845	7.11013E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58020000	61.848	7.08305E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58030000	61.851	7.05248E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58040000	61.854	7.01759E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58050000	61.858	6.97886E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58060000	61.862	6.93784E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
59000000	61.866	6.89656E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
60010000	61.870	6.85441E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
60020000	61.872	6.81932E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.947	0.00	0.00
61000000	61.832	6.99761E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.942	0.00	0.00
62010000	61.807	6.92263E-02	VRT	MST	2.807E-02	0.998	1.00	1.00	0.939	0.00	0.00
63000000	61.715	6.88914E-02	HRT	TST	9.702E-04	1.581E-05	0.377	0.377	0.945	0.00	0.00
65000000	61.715	3.72261E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00
67000000	61.715	3.63682E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00
69010000	61.714	3.47112E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00
69020000	61.714	5.58052E-02	SGP	INV	1.940E+17	8.940E-05	0.000	0.000	0.941	0.00	0.00
69030000	61.714	3.40153E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00
70010000	61.714	5.58052E-02	SGP	INV	1.940E+17	8.940E-05	0.000	0.000	0.941	0.00	0.00
70020000	61.714	3.38151E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00
72000000	61.714	5.58052E-02	SGP	INV	1.940E+17	8.940E-05	0.000	0.000	0.941	0.00	0.00
74000000	61.908	5.59703E-02	VRT	SLG	4.617E+10	0.999	0.249	0.249	0.938	0.00	0.00
76010000	53.700	0.56894	HRT	TCT	1.671E+17	0.997	0.941	0.941	0.000	0.00	0.00
76020000	54.548	0.43691	HRT	TCT	1.732E+17	0.997	0.470	0.470	0.000	0.00	0.00
76030000	54.958	0.37919	HRT	TCT	1.764E+17	0.998	0.000	0.000	0.000	0.00	0.00
77000000	55.259	0.34047	HRT	TCT	1.778E+17	0.998	0.998	0.998	0.000	0.00	0.00
78000000	38.912	5.3501	HRT	CTM	0.133E+04	0.972	0.974	0.972	0.000	0.82	0.83
80000000	33.126	8.8488	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
82000000	33.054	8.8601	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
83010000	33.053	8.8458	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
84000000	33.047	8.8659	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
85010000	33.045	8.8465	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
86000000	33.126	8.8609	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
88000000	33.120	8.8662	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
90000000	33.133	8.8672	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
91010000	33.167	8.8710	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
91020000	33.149	8.8692	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
92000000	33.060	8.9053	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
94000000	55.941	0.26446	HRT	MST	1.852E+17	0.998	0.998	0.998	0.000	0.00	0.00
98000000	39.047	5.2793	HRT	CTM	0.573	0.972	0.995	0.972	0.000	1.0	2.2
100000000	33.370	8.7879	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.21	0.84
102000000	33.354	8.7938	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
103010000	33.348	8.7971	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
104000000	33.326	8.8051	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
105010000	33.311	8.8126	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
106000000	33.297	8.8205	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
108000000	33.269	8.8306	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
110000000	33.249	8.8393	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
111010000	33.195	8.8641	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
111020000	33.223	8.8513	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
112000000	33.060	8.9053	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
114010000	55.631	0.29475	HRT	MST	1.842E+17	0.998	1.00	1.00	0.000	0.00	0.00
114020000	55.638	0.29400	HRT	MST	1.725E+17	0.998	1.00	1.00	3.654E-09	0.00	0.00
119000000	54.795	0.39377	HRT	TCT	1.750E+17	0.998	0.000	0.000	0.000	0.00	0.00
120000000	55.221	0.34016	HRT	TCT	1.774E+17	0.998	0.998	0.998	0.000	0.00	0.00
121000000	56.249	0.24002	HRT	MST	1.844E+17	0.998	0.998	0.998	0.000	0.00	0.00
122000000	56.249	0.24002	HRT	MST	1.867E+17	0.998	0.998	0.998	0.000	4.80E-03	6.34E-0
123000000	55.645	0.29332	HRT	MST	1.632E+17	0.997	0.997	0.990	7.021E-05	8.52E-03	30.
194000000	56.142	0.24583	HRT	MST	1.878E+17	0.998	0.998	0.998	0.000	0.99	1.8
195010000	56.171	0.24326	HRT	MST	1.876E+17	0.998	0.483	0.483	0.000	0.00	0.00
196000000	56.724	0.20062	HRT	MST	1.902E+17	0.998	0.998	0.998	0.000	4.54E-28	2.02E-2
278000000	33.126	8.8459	HRT	CTM	1.903E+17	1.00	1.00	1.00	0.000	0.37	0.37
298000000	33.374	8.7855	HRT	CTM	1.466E+17	1.00	1.00	1.00	0.000	0.37	0.37

CONTROL VARIABLE EDIT

1 PSV FUNCTION 1.0000

---RESTART NO. 562 WRITTEN, BLOCK NO. 1---

NUMBER OF SPARSE MATRIX ELEMENTS: ORIGINAL = 663, FACTORED = 663 ROUNDOFF ERROR = 1.000000E-12

TIME (SEC)	P 38010000 (LF/IN2)	TEMP 97010000 (DEGF)	P 97010000 (LF/IN2)	TEMP 36010000 (DEGF)	P 36010000 (LF/IN2)	TEMP 96010000 (DEGF)	P 96010000 (LF/IN2)	TEMP 38010000 (DEGF)	P 38010000 (LF/IN2)
0.10000	147.71	331.08	104.59	400.92	249.85	350.60	135.66	357.22	147.71
0.10100	147.14	330.16	103.28	400.94	249.91	349.14	133.10	356.92	147.14
0.10200	149.24	329.70	102.61	400.98	250.03	348.73	132.40	358.03	149.24
0.10300	154.04	330.02	103.08	401.04	250.19	350.02	134.64	360.53	154.04
0.10400	159.71	331.32	104.93	401.11	250.39	353.04	140.01	363.41	159.71
0.10500	164.67	333.37	107.90	401.18	250.61	356.77	146.87	365.85	164.67
0.10600	168.93	335.57	111.17	401.27	250.85	360.36	153.71	367.91	168.93
0.10700	172.44	337.59	114.24	401.35	251.09	363.25	159.39	369.58	172.44
0.10800	174.76	339.22	116.77	401.44	251.35	365.42	163.77	370.66	174.76
0.10900	175.82	340.39	118.61	401.50	251.51	366.73	166.48	371.16	175.82

196000000	56.724	8.20852	HRT	HST	1.902E+17	0.998	0.998	0.998	0.000	4.54E-28	2.02E-2
278000000	33.126	8.6459	HRT	CTM	1.903E+17	1.00	1.00	1.00	0.000	0.37	0.37
298000000	33.374	8.7855	HRT	CTM	1.466E+17	1.00	1.00	1.00	0.490	0.37	0.37

CONTROL VARIABLE EDIT

1 FSV FUNCTION 1.0000

---RESTART NO. 562 WRITTEN, BLOCK NO. 1---

NUMBER OF SPARSE MATRIX ELEMENTS: ORIGINAL = 663, FACTORED = 663 ROUNDOFF ERROR = 1.000000E-12

TIME (SEC)	P 38010000 (LF/IN2)	TEMP 97010000 (DEGF)	P 97010000 (LF/IN2)	TEMP 36010000 (DEGF)	P 36010000 (LF/IN2)	TEMP 96010000 (DEGF)	P 96010000 (LF/IN2)	TEMP 38010000 (DEGF)	P 38010000 (LF/IN2)
0.10000	147.71	331.98	104.59	400.92	249.85	350.60	135.66	357.22	147.71
0.10100	147.14	330.16	103.28	400.94	249.91	349.14	133.10	356.92	147.14
0.10200	149.24	329.70	102.61	400.98	250.03	348.73	132.40	358.03	149.24
0.10300	154.04	330.02	103.08	401.04	250.19	350.02	134.64	360.53	154.04
0.10400	159.71	331.32	104.93	401.11	250.39	353.04	140.01	363.41	159.71
0.10500	164.67	333.37	107.90	401.18	250.61	356.77	146.87	365.85	164.67
0.10600	168.93	335.57	111.17	401.27	250.85	360.36	153.71	367.91	168.93
0.10700	172.44	337.59	114.24	401.35	251.09	363.25	159.39	369.58	172.44
0.10800	174.76	339.22	116.77	401.44	251.35	365.42	163.77	370.66	174.76
0.10900	175.82	340.39	118.61	401.50	251.51	366.73	166.48	371.16	175.82
0.11000	176.03	340.98	119.54	401.55	251.67	367.26	167.56	371.25	176.03
0.11100	175.65	341.11	119.76	401.60	251.79	367.22	167.49	371.08	175.65
0.11200	174.75	340.96	119.51	401.63	251.88	366.84	166.70	370.66	174.75
0.11300	173.42	340.60	118.94	401.65	251.93	366.20	165.38	370.04	173.42
0.11400	171.68	340.09	118.13	401.65	251.94	365.34	163.61	369.22	171.68
0.11500	169.49	339.48	117.18	401.91	252.69	364.25	161.40	368.18	169.49
0.11600	167.50	338.63	115.85	401.90	252.65	362.93	158.77	367.23	167.50
0.11700	165.14	337.76	114.50	401.87	252.56	361.63	156.19	366.09	165.14
0.11800	161.40	336.85	113.11	401.83	252.44	360.05	153.11	364.24	161.40
0.11900	157.77	335.64	111.28	401.78	252.30	357.89	148.97	362.43	157.77
0.12000	154.70	334.28	109.24	401.72	252.15	355.66	144.80	360.87	154.70
0.12100	152.68	332.98	107.33	401.67	252.01	353.59	140.99	359.83	152.68
0.12200	152.45	332.03	105.94	401.63	251.87	352.27	138.62	359.71	152.45
0.12300	154.36	331.62	105.37	401.59	251.76	352.08	138.27	360.69	154.36
0.12400	157.76	331.95	105.83	401.55	251.66	353.24	140.37	362.43	157.76
0.12500	161.28	332.98	107.33	401.53	251.60	355.54	144.57	364.19	161.28
0.12600	163.97	334.33	109.32	401.52	251.56	357.83	148.86	365.51	163.97
0.12700	165.84	335.65	111.29	401.52	251.56	359.79	152.61	366.42	165.84
0.12800	166.81	336.64	112.78	401.52	251.58	361.07	155.09	366.90	166.81
0.12900	167.13	337.21	113.66	401.54	251.63	361.71	156.34	367.05	167.13
0.13000	167.24	337.44	114.02	401.57	251.71	361.88	156.68	367.10	167.24
0.13100	167.56	337.49	114.09	401.60	251.80	361.90	156.73	367.26	167.56
0.13200	168.01	337.54	114.17	401.64	251.91	362.03	156.9[illegible]	367.47	168.01
0.13300	168.09	337.66	114.36	401.68	252.03	362.22	157.36	367.51	168.09
0.13400	167.96	337.76	114.50	401.72	252.15	362.29	157.48	367.45	167.96
0.13500	167.76	337.76	114.50	401.77	252.27	362.21	157.33	367.35	167.76
0.13600	167.90	337.70	114.42	401.80	252.38	362.10	157.11	367.42	167.90
0.13700	168.94	337.71	114.42	401.84	252.48	362.19	157.30	367.92	168.94
0.13800	171.00	337.96	114.81	401.87	252.56	362.82	158.54	368.90	171.00
0.13900	173.77	338.59	115.79	401.89	252.62	364.06	161.03	370.20	173.77
0.14000	176.62	339.58	117.34	401.90	252.66	365.75	164.46	371.53	176.62
0.14100	179.20	340.76	119.20	401.91	252.67	367.52	168.11	372.71	179.20
0.14200	181.57	341.91	121.03	401.90	252.67	369.10	171.43	373.79	181.57
0.14300	183.95	342.94	122.69	401.90	252.65	370.49	174.39	374.86	183.95
0.14400	186.41	343.88	124.23	401.88	252.61	371.82	177.26	375.95	186.41
0.14500	188.62	344.81	125.77	401.86	252.55	373.14	180.13	376.92	188.62
0.14600	190.57	345.73	127.30	401.84	252.49	374.32	182.75	377.78	190.57
0.14700	192.41	346.52	128.63	401.82	252.43	375.36	185.06	378.58	192.41
0.14800	194.07	347.24	129.85	401.80	252.36	376.29	187.18	379.29	194.07
0.14900	195.52	347.91	130.98	401.78	252.30	377.12	189.07	379.91	195.52

TIME (SEC)	TEMP 42010000 (DEGF)	P 42010000 (LF/IN2)	TEMP 76010000 (DEGF)	P 76010000 (LF/IN2)	TEMP 44010000 (DEGF)	P 44010000 (LF/IN2)	TEMP 114030000 (DEGF)	P 114030000 (LF/IN2)	P 48010000 (LF/IN2)
0.10000	335.01	167.95	399.33	245.38	316.85	85.720	348.52	132.04	63.033
0.10100	323.42	166.23	399.34	245.39	315.08	83.583	348.83	132.58	63.067
0.10200	314.70	165.94	399.33	245.36	314.11	82.423	348.80	132.52	63.005
0.10300	307.74	160.04	399.30	245.29	326.02	99.883	348.70	132.34	62.963
0.10400	301.26	141.15	399.26	245.19	319.52	91.688	348.41	131.84	62.720
0.10500	297.25	155.46	399.21	245.05	314.48	82.902	349.21	133.23	62.669
0.10600	293.91	168.93	399.16	244.90	313.59	81.803	351.71	137.63	63.488
0.10700	290.95	167.20	399.11	244.75	328.62	105.40	350.58	135.66	63.720
0.10800	288.29	153.84	399.05	244.60	338.36	121.71	348.23	131.64	63.250
0.10900	285.78	146.59	399.02	244.51	341.63	130.89	346.86	129.58	62.776

0.14200	181.57	341.91	121.03	401.90	252.67	369.10	171.43	373.79	181.57
0.14300	183.95	342.94	122.69	401.90	252.65	370.49	174.39	374.86	183.95
0.14400	186.41	343.88	124.23	401.88	252.61	371.82	177.26	375.95	186.41
0.14500	188.62	344.81	125.77	401.86	252.55	373.14	180.13	376.92	188.62
0.14600	190.57	345.73	127.30	401.84	252.49	374.32	182.75	377.78	190.57
0.14700	192.41	346.52	128.63	401.82	252.43	375.36	185.06	378.58	192.41
0.14800	194.07	347.24	129.85	401.80	252.36	376.29	187.18	379.29	194.07
0.14900	195.52	347.91	130.98	401.78	252.30	377.12	189.07	379.91	195.52

TIME (SEC)	TEMP 42010000 (DEGF)	P 42010000 (LF/IN2)	TEMP 76010000 (DEGF)	P 76010000 (LF/IN2)	TEMP 44010000 (DEGF)	P 44010000 (LF/IN2)	TEMP 114030000 (DEGF)	P 114030000 (LF/IN2)	P 48010000 (LF/IN2)
0.10000	335.01	167.95	399.33	245.38	316.85	85.720	348.52	132.04	63.033
0.10100	323.42	166.23	399.34	245.39	315.08	83.583	348.83	132.58	63.067
0.10200	314.70	165.94	399.33	245.36	314.11	82.423	348.80	132.52	63.005
0.10300	307.74	160.04	399.30	245.29	326.02	99.883	348.70	132.34	62.863
0.10400	301.26	141.15	399.26	245.19	319.52	91.688	348.41	131.84	62.720
0.10500	297.25	155.46	399.21	245.05	314.48	82.902	349.21	133.23	62.669
0.10600	293.91	168.93	399.16	244.90	313.58	81.803	351.71	137.63	63.488
0.10700	290.95	167.20	399.11	244.75	328.62	105.40	350.58	135.66	63.720
0.10800	288.29	153.84	399.05	244.60	338.36	121.71	348.23	131.64	63.250
0.10900	285.78	146.59	399.02	244.51	347.67	138.92	343.99	124.59	62.346
0.11000	283.36	143.67	399.00	244.47	349.90	143.58	339.21	117.00	60.950
0.11100	281.01	144.40	399.35	245.42	348.92	143.00	337.90	115.07	60.182
0.11200	278.77	147.60	400.21	247.84	347.80	143.06	338.12	115.55	60.051
0.11300	276.71	152.51	401.23	250.73	346.43	143.64	338.08	115.62	59.637
0.11400	274.89	158.75	402.22	253.56	344.91	144.04	338.00	115.66	58.660
0.11500	273.33	164.63	402.82	255.29	342.76	145.21	338.25	116.23	57.303
0.11600	272.04	171.51	403.47	257.17	338.54	143.42	338.64	117.04	55.914
0.11700	271.12	188.05	404.06	258.91	343.29	139.37	339.21	118.14	54.668
0.11800	270.48	206.18	404.26	259.49	350.59	142.24	339.82	119.33	53.676
0.11900	270.02	214.88	404.17	259.23	349.17	143.18	340.18	120.11	52.175
0.12000	269.64	206.54	404.02	258.80	340.08	138.52	340.91	121.56	50.757
0.12100	269.35	196.41	403.90	258.44	334.86	135.40	341.28	122.37	50.130
0.12200	269.20	192.40	403.89	258.39	333.90	132.64	341.29	122.61	50.569
0.12300	269.21	196.02	404.25	259.46	337.95	132.79	341.46	123.10	50.756
0.12400	269.34	202.20	404.51	260.20	343.04	134.42	341.79	123.88	50.794
0.12500	269.55	209.85	404.33	259.68	347.93	136.70	342.09	124.61	50.841
0.12600	269.80	212.47	403.94	258.55	344.84	132.42	342.00	124.67	50.800
0.12700	270.03	205.23	403.46	257.16	344.95	140.38	341.29	123.63	50.585
0.12800	270.33	196.66	403.18	256.35	340.91	138.11	340.28	122.09	50.183
0.12900	270.76	194.45	403.10	256.10	342.35	136.42	339.41	120.77	49.631
0.13000	271.29	196.29	402.90	255.53	346.19	136.43	339.35	120.84	49.010
0.13100	271.88	198.84	402.62	254.73	349.27	138.18	340.05	122.23	48.507
0.13200	272.48	200.62	402.33	253.89	351.24	141.01	340.87	123.87	48.148
0.13300	273.09	199.45	402.04	253.06	348.83	137.96	341.67	125.52	47.914
0.13400	273.74	196.09	401.77	252.29	348.47	139.52	342.53	127.36	47.844
0.13500	274.47	193.33	401.40	251.21	344.52	131.81	343.50	129.51	47.989
0.13600	275.29	192.62	401.22	250.73	346.95	134.73	344.56	131.95	48.379
0.13700	276.16	192.69	401.01	250.12	347.76	135.03	345.63	134.56	49.008
0.13800	277.07	192.86	400.76	249.41	348.93	136.35	346.65	137.23	49.855
0.13900	278.01	193.41	400.33	248.18	350.44	138.45	347.62	139.92	50.885
0.14000	279.01	194.66	399.74	246.52	350.84	138.81	348.53	142.59	52.055
0.14100	280.06	196.60	399.38	245.52	349.03	135.08	349.37	145.25	53.334
0.14200	281.15	198.36	399.18	244.97	348.93	134.76	350.17	147.87	54.690
0.14300	282.26	199.80	399.07	244.66	349.42	135.56	350.92	150.43	56.076
0.14400	283.39	200.84	399.02	244.50	350.11	136.74	351.62	152.93	57.184
0.14500	284.53	201.68	398.99	244.42	350.75	137.84	352.31	155.39	56.414
0.14600	285.70	202.53	398.98	244.39	351.79	139.67	352.97	157.81	55.438
0.14700	286.90	203.38	398.97	244.37	352.35	140.69	353.62	160.17	56.179
0.14800	288.14	204.35	398.97	244.37	352.85	141.59	354.27	162.49	57.219
0.14900	289.41	205.37	398.97	244.37	353.34	142.49	354.91	164.77	57.955

TIME (SEC)	P 114020000 (LF/IN2)	RHO 114020000 (LB/FT3)	TEMP 48010000 (DEGF)	TEMP 48080000 (DEGF)	P 48080000 (LF/IN2)	TEMP 52010000 (DEGF)	P 52010000 (LF/IN2)	TEMP 52010000 (DEGF)	P 52010000 (LF/IN2)
0.10000	132.30	0.37487	295.94	282.43	51.203	203.89	20.287	203.89	20.287
0.10100	132.68	0.37613	295.98	284.84	53.151	207.30	20.785	207.30	20.785
0.10200	132.66	0.37632	295.92	286.96	54.933	211.42	21.401	211.42	21.401
0.10300	132.51	0.37616	295.77	287.82	55.658	216.32	22.296	216.32	22.296
0.10400	131.83	0.37446	295.62	289.07	56.745	221.96	23.708	221.96	23.708
0.10500	134.41	0.38130	295.56	290.36	57.883	227.98	25.520	227.98	25.520
0.10600	136.26	0.38542	296.42	290.14	57.686	234.27	27.787	234.27	27.787
0.10700	135.24	0.38237	296.66	290.66	58.144	240.54	30.826	240.54	30.826
0.10800	131.49	0.37240	296.15	291.68	59.060	246.80	34.437	246.80	34.437
0.10900	124.35	0.35401	295.17	291.48	58.879	253.22	38.365	253.22	38.365

0.14100	280.06	196.60	399.38	245.52	349.03	135.08	349.37	145.25	53.334
0.14200	281.15	198.36	399.18	244.97	348.93	134.76	350.17	147.87	54.690
0.14300	282.26	199.80	399.07	244.66	349.42	135.56	350.92	150.43	56.076
0.14400	283.39	200.84	399.02	244.50	350.11	136.74	351.62	152.93	57.184
0.14500	284.53	201.68	398.99	244.42	350.75	137.84	352.31	155.39	56.414
0.14600	285.70	202.53	398.98	244.39	351.79	139.67	352.97	157.81	55.438
0.14700	286.90	203.38	398.97	244.37	352.35	140.69	353.62	160.17	56.179
0.14800	288.14	204.35	398.97	244.37	352.85	141.59	354.27	162.49	57.219
0.14900	289.41	205.37	398.97	244.37	353.34	142.49	354.91	164.77	57.955

TIME (SEC)	P 114020000 (LF/IN2)	RHO 114020000 (LB/FT3)	TEMP 48010000 (DEGF)	TEMP 48080000 (DEGF)	P 48080000 (LF/IN2)	TEMP 52010000 (DEGF)	P 52010000 (LF/IN2)	TEMP 52010000 (DEGF)	P 52010000 (LF/IN2)
0.10000	132.30	0.37487	295.94	282.43	51.203	203.89	20.287	203.89	20.287
0.10100	132.68	0.37613	295.98	284.84	53.151	207.30	20.785	207.30	20.785
0.10200	132.66	0.37632	295.92	286.96	54.933	211.42	21.401	211.42	21.401
0.10300	132.51	0.37616	295.77	287.82	55.658	216.32	22.296	216.32	22.296
0.10400	131.83	0.37446	295.62	289.07	56.745	221.96	23.708	221.96	23.708
0.10500	134.41	0.38130	295.56	290.36	57.883	227.98	25.520	227.98	25.520
0.10600	136.26	0.38542	296.42	290.14	57.686	234.27	27.787	234.27	27.787
0.10700	135.24	0.38237	296.66	290.66	58.144	240.54	30.826	240.54	30.826
0.10800	131.49	0.37240	296.15	291.68	59.060	246.80	34.437	246.80	34.437
0.10900	124.35	0.35401	295.17	291.48	58.879	253.22	38.365	253.22	38.365
0.11000	118.29	0.33989	293.65	291.17	58.598	260.11	42.302	260.11	42.302
0.11100	115.99	0.34365	292.78	290.10	57.637	267.77	45.696	267.77	45.696
0.11200	115.46	0.37703	292.58	288.94	56.622	275.97	47.929	275.97	47.929
0.11300	115.19	0.45094	292.06	288.02	55.821	281.93	51.256	281.93	51.256
0.11400	114.92	0.56856	290.91	287.45	55.339	285.56	53.836	285.56	53.836
0.11500	114.95	0.72964	289.31	286.77	54.776	287.12	55.080	287.12	55.080
0.11600	115.36	0.92261	287.65	285.74	53.919	287.90	55.722	287.90	55.722
0.11700	116.04	1.1436	286.12	284.55	52.949	287.94	55.749	287.94	55.749
0.11800	116.87	1.3880	284.88	283.41	52.039	286.82	54.785	286.82	54.785
0.11900	117.35	1.6440	282.98	282.40	51.240	285.44	53.625	285.44	53.625
0.12000	117.62	1.9066	281.16	281.44	50.501	285.22	53.439	285.22	53.439
0.12100	118.23	2.1838	280.30	280.64	49.895	282.60	51.291	282.60	51.291
0.12200	119.22	2.4816	280.79	279.96	49.393	280.60	49.699	280.60	49.699
0.12300	120.26	2.7972	280.97	279.19	48.821	279.30	48.693	279.30	48.693
0.12400	120.94	3.1175	280.96	278.31	48.176	277.70	47.472	277.70	47.472
0.12500	120.71	3.4265	280.97	277.39	47.504	276.33	46.450	276.33	46.450
0.12600	119.13	3.7548	280.88	276.43	46.811	275.18	45.610	275.18	45.610
0.12700	116.97	4.1998	280.58	275.44	46.112	274.11	44.847	274.11	44.847
0.12800	117.42	4.8149	280.05	274.48	45.437	273.27	44.255	273.27	44.255
0.12900	119.47	5.5158	279.34	273.55	44.790	272.49	43.715	272.49	43.715
0.13000	120.83	6.1826	278.56	272.62	44.154	271.74	43.201	271.74	43.201
0.13100	121.69	6.7488	277.92	271.68	43.520	271.03	42.730	271.03	42.730
0.13200	122.72	7.1904	277.47	270.74	42.889	270.32	42.259	270.32	42.259
0.13300	123.92	7.5070	277.19	269.82	42.277	269.60	41.786	269.60	41.786
0.13400	125.37	7.7195	277.14	268.96	41.712	268.87	41.312	268.87	41.312
0.13500	127.13	7.8581	277.36	268.20	41.217	268.13	40.833	268.13	40.833
0.13600	129.06	7.9465	277.90	267.55	40.799	267.40	40.367	267.40	40.367
0.13700	130.97	8.0001	278.74	267.01	40.459	266.71	39.934	266.71	39.934
0.13800	132.86	8.0318	279.84	266.60	40.202	266.08	39.546	266.08	39.546
0.13900	134.73	8.0516	281.15	266.33	40.039	265.53	39.211	265.53	39.211
0.14000	136.61	8.0663	282.60	266.22	39.978	265.06	38.934	265.06	38.934
0.14100	138.53	8.0798	284.15	266.27	40.020	264.69	38.719	264.69	38.719
0.14200	140.45	8.0923	285.75	266.47	40.158	264.43	38.574	264.43	38.574
0.14300	142.39	8.1022	287.35	266.81	40.384	264.29	38.506	264.29	38.506
0.14400	144.44	8.1098	288.61	267.26	40.683	264.27	38.519	264.27	38.519
0.14500	146.57	8.1143	287.76	267.81	41.045	264.38	38.615	264.38	38.615
0.14600	148.74	8.1148	286.67	268.44	41.468	264.62	38.790	264.62	38.790
0.14700	150.97	8.1106	287.51	269.24	42.005	264.97	39.039	264.97	39.039
0.14800	153.25	8.1020	288.68	270.31	42.734	265.42	39.354	265.42	39.354
0.14900	155.60	8.0898	289.51	271.44	43.518	265.96	39.735	265.96	39.735

TIME (SEC)	TEMP 54500000 (DEGF)	P 54500000 (LF/IN2)	TEMP 60010000 (DEGF)	P 60010000 (LF/IN2)	P 97010000 (LF/IN2)	P 95010000 (LF/IN2)	RHO 97010000 (LB/FT3)	TEMP 95010000 (DEGF)	RHO 95010000 (LB/FT3)
0.10000	157.40	17.730	134.84	15.604	104.59	117.75	0.31024	339.84	0.34167
0.10100	157.19	17.707	136.79	15.791	103.28	116.09	0.30670	338.78	0.33724
0.10200	156.96	17.682	138.87	15.988	102.61	115.07	0.30494	338.13	0.33452
0.10300	156.72	17.658	140.95	16.185	103.08	115.23	0.30625	338.23	0.33498
0.10400	156.50	17.635	142.98	16.380	104.9[illegible]	117.00	0.31134	339.37	0.33971
0.10500	156.32	17.617	144.97	16.573	107.90	120.23	0.31940	341.41	0.34837
0.10600	156.21	17.606	147.00	16.774	111.17	124.00	0.32819	343.74	0.35845
0.10700	156.17	17.603	149.21	16.996	114.24	127.67	0.33638	345.95	0.36819
0.10800	156.21	17.608	151.74	17.256	116.77	130.70	0.34305	347.74	0.37622
0.10900	156.34	17.622	154.71	17.564	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

0.14100	138.53	8.0746	284.15	266.27	40.020	264.69	38.719	264.69	38.719
0.14200	140.45	8.0923	285.75	266.47	40.158	264.43	38.574	264.43	38.574
0.14300	142.39	8.1022	287.35	266.81	40.384	264.29	38.506	264.29	38.506
0.14400	144.44	8.1098	288.61	267.26	40.683	264.27	38.519	264.27	38.519
0.14500	146.57	8.1143	287.76	267.81	41.045	264.38	38.615	264.38	38.615
0.14600	148.74	8.1148	286.67	268.44	41.468	264.62	38.790	264.62	38.790
0.14700	150.97	8.1106	287.51	269.24	42.005	264.97	39.039	264.97	39.039
0.14800	153.25	8.1020	288.68	270.31	42.734	265.42	39.354	265.42	39.354
0.14900	155.60	8.0898	289.51	271.44	43.518	265.96	39.735	265.96	39.735

TIME (SEC)	TEMP 54500000 (DEGF)	P 54500000 (LF/IN2)	TEMP 60010000 (DEGF)	P 60010000 (LF/IN2)	P 97010000 (LF/IN2)	P 95010000 (LF/IN2)	RHO 97010000 (LB/FT3)	TEMP 95010000 (DEGF)	RHO 95010000 (LB/FT3)
0.10000	157.40	17.730	134.84	15.604	104.59	117.75	0.31024	339.84	0.34167
0.10100	157.19	17.707	136.79	15.791	103.28	116.09	0.30670	338.78	0.33724
0.10200	156.96	17.682	138.87	15.988	102.61	115.07	0.30494	338.13	0.33452
0.10300	156.72	17.658	140.95	16.185	103.08	115.23	0.30625	338.23	0.33498
0.10400	156.50	17.635	142.98	16.380	104.93	117.00	0.31134	339.37	0.33971
0.10500	156.32	17.617	144.97	16.573	107.90	120.23	0.31940	341.41	0.34837
0.10600	156.21	17.606	147.00	16.774	111.17	124.00	0.32819	343.74	0.35845
0.10700	156.17	17.603	149.21	16.996	114.24	127.67	0.33638	345.95	0.36819
0.10800	156.21	17.608	151.74	17.256	116.77	130.70	0.34305	347.74	0.37622
0.10900	156.34	17.622	154.71	17.564	118.61	133.05	0.34784	349.11	0.38241
0.11000	156.55	17.644	158.16	17.927	119.54	134.35	0.35026	349.86	0.38579
0.11100	156.83	17.674	162.03	18.336	119.76	134.76	0.35083	350.09	0.38688
0.11200	157.17	17.709	166.09	18.766	119.51	134.58	0.35017	349.99	0.38641
0.11300	157.55	17.747	170.05	19.189	118.94	134.01	0.34868	349.66	0.38490
0.11400	157.95	17.788	173.81	19.595	118.13	133.14	0.34653	349.16	0.38261
0.11500	158.37	17.831	177.17	19.959	117.18	132.08	0.34406	348.55	0.37984
0.11600	158.79	17.874	179.78	20.235	115.85	130.69	0.34050	347.73	0.37614
0.11700	159.19	17.915	181.74	20.450	114.50	129.12	0.33694	346.81	0.37200
0.11800	159.58	17.953	183.53	20.654	113.11	127.57	0.33318	345.89	0.36785
0.11900	159.95	17.991	185.35	20.863	111.28	125.61	0.32827	344.72	0.36260
0.12000	160.31	18.028	187.20	21.078	109.24	123.26	0.32283	343.29	0.35635
0.12100	160.68	18.065	189.08	21.297	107.33	120.97	0.31770	341.87	0.35027
0.12200	161.05	18.104	190.86	21.501	105.94	119.17	0.31401	340.75	0.34551
0.12300	161.44	18.144	192.35	21.670	105.37	118.23	0.31250	340.15	0.34305
0.12400	161.85	18.186	193.41	21.781	105.83	118.46	0.31384	340.30	0.34369
0.12500	162.30	18.234	193.24	21.714	107.33	119.94	0.31794	341.23	0.34766
0.12600	162.82	18.288	191.37	21.504	109.32	122.18	0.32331	342.62	0.35370
0.12700	163.40	18.350	191.72	21.620	111.29	124.55	0.32857	344.07	0.36000
0.12800	164.06	18.420	193.95	21.861	112.78	126.43	0.33252	345.21	0.36500
0.12900	164.81	18.501	193.67	21.776	113.66	127.62	0.33483	345.92	0.36816
0.13000	165.67	18.593	191.88	21.576	114.02	128.17	0.33575	346.25	0.36959
0.13100	166.66	18.700	190.86	21.476	114.09	128.30	0.33594	346.33	0.36993
0.13200	167.80	18.823	190.23	21.406	114.17	128.36	0.33615	346.36	0.37009
0.13300	169.09	18.964	189.71	21.358	114.36	128.54	0.33665	346.47	0.37058
0.13400	170.58	19.128	189.61	21.360	114.50	128.74	0.33703	346.59	0.37109
0.13500	172.30	19.318	189.59	21.361	114.50	128.79	0.33703	346.61	0.37121
0.13600	174.24	19.535	189.26	21.326	114.42	128.70	0.33681	346.56	0.37097
0.13700	176.39	19.776	188.77	21.276	114.42	128.64	0.33684	346.53	0.37083
0.13800	178.73	20.044	188.35	21.235	114.81	128.94	0.33791	346.71	0.37166
0.13900	181.28	20.345	188.04	21.205	115.79	129.89	0.34056	347.26	0.37419
0.14000	184.03	20.678	187.77	21.179	117.34	131.52	0.34472	348.22	0.37856
0.14100	186.82	21.036	187.49	21.146	119.20	133.58	0.34965	349.42	0.38406
0.14200	189.37	21.399	187.28	21.123	121.03	135.69	0.35448	350.62	0.38966
0.14300	191.43	21.790	187.11	21.103	122.69	137.70	0.35888	351.75	0.39459
0.14400	192.41	22.166	186.92	21.081	124.23	139.32	0.36290	352.66	0.39924
0.14500	190.79	22.516	186.75	21.061	125.77	141.11	0.36697	353.65	0.40397
0.14600	185.79	22.941	186.58	21.042	127.30	142.93	0.37095	354.65	0.40832
0.14700	172.61	23.276	186.40	21.021	128.63	144.32	0.37441	355.40	0.41241
0.14800	134.33	23.474	186.20	20.999	129.85	145.78	0.37759	356.19	0.41626
0.14900	136.17	23.989	185.97	20.973	130.98	147.07	0.38051	356.88	0.41962

TIME (SEC)	MFLOWJ 114020000 (LB/SEC)	MFLOWJ 94000000 (LB/SEC)	TEMP 114030000 (DEGF)	P 114030000 (LF/IN2)	P 114020000 (LF/IN2)	P 48010000 (LF/IN2)	P 195020000 (LF/IN2)	TEMP 195020000 (DEGF)	MFLOWJ 194000000 (LB/SEC)
0.10000	47.526	65.414	348.52	132.04	132.30	63.033	109.41	334.39	61.388
0.10100	48.367	64.495	348.83	132.58	132.68	63.067	109.25	334.28	61.487
0.10200	48.825	63.880	348.80	132.52	132.66	63.005	109.39	334.37	61.685
0.10300	49.369	63.854	348.70	132.34	132.51	62.863	106.18	332.17	61.206
0.10400	48.939	64.674	348.41	131.84	131.83	62.720	117.75	338.05	64.318
0.10500	53.423	66.325	349.21	133.23	134.41	62.669	111.94	333.83	63.199
0.10600	53.625	69.337	351.71	137.63	136.26	63.488	109.47	333.80	61.640
0.10700	48.919	70.331	350.58	135.66	135.24	63.720	104.17	330.49	58.455
0.10800	46.561	71.986	348.23	131.64	131.49	63.250	88.470	317.63	55.295
0.10900	41.195	73.321	343.99	124.59	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

0.14100	186.82	21.036	187.49	21.146	119.20	133.58	0.34965	349.42	0.38406
0.14200	189.37	21.399	187.28	21.123	121.03	135.69	0.35448	350.62	0.38966
0.14300	191.43	21.790	187.11	21.103	122.69	137.70	0.35888	351.75	0.39459
0.14400	192.41	22.166	186.92	21.081	124.23	139.32	0.36290	352.66	0.39924
0.14500	190.79	22.516	186.75	21.061	125.77	141.11	0.36697	353.65	0.40397
0.14600	185.79	22.941	186.58	21.042	127.30	142.93	0.37095	354.65	0.40832
0.14700	172.61	23.276	186.40	21.021	128.63	144.32	0.37441	355.40	0.41241
0.14800	134.33	23.474	186.20	20.999	129.85	145.78	0.37759	356.19	0.41626
0.14900	136.17	23.989	185.97	20.973	130.98	147.07	0.38051	356.88	0.41962

TIME (SEC)	MFLOWJ 114020000 (LB/SEC)	MFLOWJ 94000000 (LB/SEC)	TEMP 114030000 (DEGF)	P 114030000 (LF/IN2)	P 114020000 (LF/IN2)	P 48010000 (LF/IN2)	P 195020000 (LF/IN2)	TEMP 195020000 (DEGF)	MFLOWJ 194000000 (LB/SEC)
0.10000	47.526	65.414	348.52	132.04	132.30	63.033	109.41	334.39	61.388
0.10100	48.367	64.495	348.83	132.58	132.68	63.067	109.25	334.28	61.487
0.10200	48.825	63.880	348.80	132.52	132.66	63.005	109.39	334.37	61.685
0.10300	49.369	63.854	348.70	132.34	132.51	62.863	106.18	332.17	61.206
0.10400	48.939	64.674	348.41	131.84	131.83	62.720	117.75	338.05	64.318
0.10500	53.423	66.325	349.21	133.23	134.41	62.669	111.94	333.83	63.199
0.10600	53.625	68.337	351.71	137.63	136.26	63.488	109.47	333.80	61.640
0.10700	48.919	70.331	350.58	135.66	135.24	63.720	104.17	330.49	58.455
0.10800	46.561	71.986	348.23	131.64	131.49	63.250	88.470	317.63	55.295
0.10900	41.195	73.321	343.99	124.59	124.35	62.346	91.496	319.50	97.743
0.11000	40.591	74.084	339.21	117.00	118.29	60.950	108.90	331.47	144.42
0.11100	44.740	74.363	337.90	115.07	115.99	60.182	123.03	339.95	177.30
0.11200	48.503	74.296	338.12	115.55	115.46	60.051	78.548	309.31	370.79
0.11300	54.965	74.017	338.08	115.62	115.19	59.637	65.581	297.23	439.07
0.11400	65.132	73.575	338.00	115.66	114.92	58.660	62.841	294.29	478.05
0.11500	80.068	72.960	338.25	116.23	114.95	57.303	78.995	308.47	131.26
0.11600	90.639	72.313	338.64	117.04	115.36	55.914	71.593	302.14	121.51
0.11700	103.15	71.477	339.21	118.14	116.04	54.668	68.749	299.51	119.52
0.11800	114.74	70.659	339.82	119.33	116.87	53.676	66.844	298.00	117.96
0.11900	126.73	69.649	340.18	120.11	117.35	52.175	67.068	298.47	118.51
0.12000	135.15	68.419	340.91	121.56	117.62	50.757	69.464	300.81	121.12
0.12100	139.93	67.165	341.28	122.37	118.23	50.130	70.488	301.60	123.27
0.12200	146.33	66.146	341.29	122.61	119.22	50.569	69.889	300.91	123.22
0.12300	156.20	65.566	341.46	123.10	120.26	50.756	68.502	299.68	123.34
0.12400	166.19	65.595	341.79	123.88	120.94	50.794	67.288	298.73	121.95
0.12500	170.57	66.302	342.09	124.61	120.71	50.841	67.089	298.77	121.40
0.12600	166.23	67.475	342.00	124.67	119.13	50.800	67.762	299.61	121.76
0.12700	158.62	68.759	341.29	123.63	116.97	50.585	68.553	300.38	122.26
0.12800	166.07	69.818	340.28	122.09	117.42	50.183	69.934	301.48	124.39
0.12900	201.73	70.513	339.41	120.77	119.47	49.631	69.901	301.34	125.38
0.13000	257.72	70.848	339.35	120.84	120.83	49.010	69.200	300.80	124.99
0.13100	316.22	70.935	340.05	122.23	121.69	48.507	68.963	300.77	124.55
0.13200	368.86	70.959	340.87	123.87	122.72	48.148	69.481	301.45	124.72
0.13300	412.43	71.050	341.67	125.52	123.92	47.914	69.958	302.03	124.92
0.13400	446.30	71.163	342.53	127.36	125.37	47.844	70.069	302.14	124.50
0.13500	471.92	71.196	343.50	129.51	127.13	47.989	69.727	301.80	124.00
0.13600	490.84	71.157	344.56	131.95	129.06	48.379	68.891	301.00	122.79
0.13700	503.79	71.117	345.63	134.56	130.97	49.008	68.256	300.42	121.59
0.13800	511.53	71.237	346.65	137.23	132.86	49.855	68.209	300.42	121.06
0.13900	515.08	71.687	347.62	139.92	134.73	50.885	68.559	300.80	120.93
0.14000	515.34	72.514	348.53	142.59	136.61	52.055	69.650	301.90	121.69
0.14100	513.12	73.595	349.37	145.25	138.53	53.334	70.612	302.88	122.43
0.14200	508.92	74.687	350.17	147.87	140.45	54.690	71.490	303.77	123.17
0.14300	502.86	75.792	350.92	150.43	142.39	56.076	72.029	304.32	123.56
0.14400	495.50	76.736	351.62	152.93	144.44	57.184	72.432	304.72	123.78
0.14500	487.29	77.580	352.31	155.39	146.57	56.414	72.854	305.13	124.01
0.14600	478.40	78.578	352.97	157.81	148.74	55.438	72.992	305.28	124.05
0.14700	469.00	79.420	353.62	160.17	150.97	56.179	73.331	305.60	124.11
0.14800	459.35	80.074	354.27	162.49	153.25	57.219	73.708	305.95	124.32
0.14900	449.69	80.824	354.91	164.77	155.60	57.955	74.132	306.33	124.61

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 ATTEMPTED ADV: TOT.=     774    EDIT=     212    MIN.DT=    3.125000E-05 SEC    LAST DT=    2.500000E-04 SEC    MS.ERR=    -17.2919      LB
  REPEATED ADV: TOT.=      58    EDIT=       6    MAX.DT=    2.500000E-04 SEC    CRNT.DT=    4.164045E-04 SEC    TOT.MS=     38958.0      LB
SUCCESSFUL ADV: TOT.=     716    EDIT=     206    AVG.DT=    2.427184E-04 SEC    ERR.EST=    7.354841E-04         M.RATN=   -4.438591E-04
 REQUESTED ADV: TOT.=     150    EDIT=      50    REQ.DT=    1.000000E-03 SEC        CPU=     175.302      SEC      TIME=    0.150000      SEC

TRIP NUMBER, TRIP TIME (SEC)
    505  -1.0000          506  1.45000E-02      507  -1.0000          508  1.97500E-02      509  -1.0000

  VOL.NO.  PRESSURE      INT. ENERGY  STATIC QUAL. NONCOND      EQU. QUAL.    VOIDG          TEMPF          TEMPG          TEMPE          VOL.
           (LBF/IN2)     (BTU/LB)                  VAPOR QUAL.                                (DEGF)         (DEGF)         (DEGF)         FLAG
C-001     TMDPVOL  COMPONENT
  1010000   2701.3         1013.1        1.0000       0.00000       1.0000        1.0000          679.60         679.60         679.60         10
C-36      PIPE     COMPONENT
 36010000   252.24         959.76       0.80584       0.00000      0.78895       0.99740          401.76         373.03         401.76         10
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0.14100	513.12	73.595	349.37	145.25	138.53	53.334	70.612	302.88	122.43
0.14200	508.92	74.687	350.17	147.87	140.45	54.690	71.490	303.77	123.17
0.14300	502.86	75.792	350.92	150.43	142.39	56.076	72.029	304.32	123.56
0.14400	495.50	76.736	351.62	152.93	144.44	57.184	72.432	304.72	123.78
0.14500	487.29	77.580	352.31	155.39	146.57	56.414	72.854	305.13	124.01
0.14600	478.40	78.578	352.97	157.81	148.74	55.438	72.992	305.28	124.05
0.14700	469.00	79.420	353.62	160.17	150.97	56.179	73.331	305.60	124.11
0.14800	459.35	80.074	354.27	162.49	153.25	57.219	73.708	305.95	124.32
0.14900	449.69	80.824	354.91	164.77	155.60	57.955	74.132	306.33	124.61

ATTEMPTED ADV: TOT.=	774	EDIT=	212	MIN.DT=	3.125000E-05 SEC	LAST DT=	2.500000E-04 SEC	MS.ERR=	-17.2919 LB
REPEATED ADV: TOT.=	58	EDIT=	6	MAX.DT=	2.500000E-04 SEC	CRNT.DT=	4.164045E-04 SEC	TOT.MS=	38958.0 LB
SUCCESSFUL ADV: TOT.=	716	EDIT=	206	AVG.DT=	2.427184E-04 SEC	ERR.EST=	7.354841E-04	M.RATN=	-4.438591E-04
REQUESTED ADV: TOT.=	150	EDIT=	50	REQ.DT=	1.000000E-03 SEC	CPU=	175.302 SEC	TIME=	0.150000 SEC

TRIP NUMBER, TRIP TIME (SEC)
505 -1.0000 506 1.45000E-02 507 -1.0000 508 1.97500E-02 509 -1.0000

VOL.NO.	PRESSURE (LBF/IN2)	INT. ENERGY (BTU/LB)	STATIC QUAL.	NONCOND VAPOR QUAL.	EQU. QUAL.	VOIDG	TEMPF (DEGF)	TEMPG (DEGF)	TEMPE (DEGF)	VOL. FLAG
C-001 TMDPVOL COMPONENT										
1010000	2701.3	1013.1	1.0000	0.00000	1.0000	1.0000	679.60	679.60	679.60	10
C-36 PIPE COMPONENT										
36010000	252.24	959.76	0.80584	0.00000	0.78895	0.99740	401.76	373.03	401.76	10
36020000	198.70	946.56	0.79003	0.00000	0.78006	0.99780	381.26	362.49	381.26	10
36030000	177.16	939.63	0.78054	0.00000	0.77517	0.99796	371.77	361.15	371.77	10
C-38 PIPE COMPONENT										
36010000	196.67	956.32	0.79328	0.00000	0.79328	0.99794	380.40	380.40	380.40	0
38020000	196.74	956.76	0.79384	0.00000	0.79384	0.99795	380.43	380.43	380.43	0
38030000	196.74	957.07	0.79425	1.01020E-08	0.79425	0.99795	380.43	380.43	380.43	0
38040000	196.70	957.32	0.79456	2.79180E-06	0.79460	0.99796	380.41	380.49	380.41	0
38050000	196.58	971.12	0.81314	3.10876E-04	0.81314	0.99818	380.34	380.34	380.34	0
38060000	196.54	466.34	0.15880	6.01534E-03	0.15848	0.95940	377.87	378.15	378.14	0
38070000	195.29	294.00	1.20366E-02	4.37932E-03	6.97915E-03	0.58387	318.12	353.74	322.21	0
C-40 SNGLVOL COMPONENT										
40010000	196.89	955.55	0.79222	0.00000	0.79222	0.99792	380.49	380.49	380.49	0
C-42 SNGLVOL COMPONENT										
42010000	206.39	260.93	1.00034E-02	7.60143E-03	9.53635E-03	0.47304	290.29	300.51	290.70	0
C-44 BRANCH COMPONENT										
44010000	143.40	361.27	7.23052E-02	9.17725E-04	4.68849E-02	0.93204	333.28	354.24	353.83	0
C-46 PIPE COMPONENT										
46010000	150.87	379.19	7.27766E-02	1.15611E-03	6.48195E-02	0.92852	351.53	358.04	357.93	0
46020000	150.08	379.96	6.87939E-02	1.45339E-03	6.69387E-02	0.92441	355.82	357.35	357.31	0
46030000	151.22	371.07	5.76245E-02	1.95298E-03	5.62889E-02	0.90910	356.12	357.24	357.19	0
C-48 PIPE COMPONENT										
48010000	58.785	298.65	4.71213E-02	1.06432E-03	4.76633E-02	0.95379	290.89	290.41	290.42	0
48020000	53.098	329.13	9.23596E-02	1.97812E-03	9.23744E-02	0.97913	283.95	283.93	283.93	0
48030000	51.468	358.12	0.12975	2.76661E-03	0.12975	0.98608	281.96	281.96	281.96	0
48040000	48.037	349.36	0.12390	2.59593E-03	0.12391	0.98628	277.65	277.65	277.65	0
48050000	46.208	340.73	0.11619	2.43058E-03	0.11619	0.98579	275.24	275.24	275.24	0
48060000	45.189	336.78	0.11305	2.40311E-03	0.11305	0.98566	273.85	273.85	273.84	0
48070000	44.560	336.78	0.11413	2.50220E-03	0.11412	0.98599	272.94	272.96	272.95	0
48080000	44.142	340.11	0.11897	2.71515E-03	0.11892	0.98674	272.30	272.34	272.34	0
48090000	43.865	346.45	0.12724	3.02849E-03	0.12716	0.98778	271.83	271.91	271.91	0
C-50 PIPE COMPONENT										
50010000	42.195	355.37	0.14058	3.41855E-03	0.14058	0.98949	269.52	269.52	269.52	0
50020000	41.286	366.49	0.15547	3.85274E-03	0.15546	0.99084	268.18	268.18	268.18	0
50030000	40.774	379.92	0.17246	4.30197E-03	0.17243	0.99200	267.40	267.42	267.42	0
50040000	40.462	395.55	0.19164	4.73800E-03	0.19161	0.99301	266.94	266.97	266.97	0
50050000	40.277	413.37	0.21313	5.13830E-03	0.21310	0.99390	266.68	266.72	266.72	0
C-52 SNGLVOL COMPONENT										
52010000	40.194	432.53	0.23595	5.47470E-03	0.23591	0.99466	266.59	266.63	266.63	0
C-54 PIPE COMPONENT										
54010000	37.911	454.89	0.26559	5.76601E-03	0.26559	0.99569	263.18	263.18	263.18	0
54020000	37.328	479.46	0.29520	5.98839E-03	0.29521	0.99633	262.33	262.32	262.32	0
54030000	37.101	506.87	0.32752	6.13958E-03	0.32752	0.99686	262.01	262.01	262.01	0
54040000	36.948	537.01	0.36280	6.21486E-03	0.36279	0.99733	261.83	261.83	261.83	0
54050000	36.823	569.61	0.40080	6.20835E-03	0.40080	0.99773	261.70	261.70	261.70	0
54060000	36.718	604.14	0.44092	6.11378E-03	0.44092	0.99808	261.59	261.59	261.59	0
54070000	36.630	639.56	0.48195	5.92440E-03	0.48195	0.99838	261.51	261.51	261.51	0
54080000	36.559	673.76	0.52143	5.62910E-03	0.52143	0.99862	261.45	261.45	261.45	0
54090000	36.502	701.84	0.55364	5.20066E-03	0.55364	0.99879	261.41	261.41	261.41	0
54100000	36.448	712.38	0.56527	4.57937E-03	0.56527	0.99884	261.37	261.37	261.37	0
54110000	36.388	685.31	0.53292	3.69400E-03	0.53292	0.99869	261.32	261.32	261.32	0
54120000	36.334	606.32	0.44004	2.59753E-03	0.44004	0.99810	261.27	261.27	261.27	0
54130000	36.329	496.96	0.31188	1.57574E-03	0.31188	0.99672	261.30	261.30	261.30	0
54140000	36.267	398.77	0.19713	8.79282E-04	0.19713	0.99397	261.22	261.22	261.22	0
54150000	36.464	326.25	0.11211	4.85290E-04	0.11211	0.98828	261.54	261.54	261.54	0
54160000	36.413	282.33	6.10060E-02	3.03353E-04	6.10072E-02	0.97750	261.44	261.44	261.44	0
54170000	36.430	259.42	3.43795E-02	2.42267E-04	3.43824E-02	0.95965	261.39	261.38	261.38	0
54180000	36.415	247.58	2.08503E-02	2.42809E-04	2.08553E-02	0.93424	261.19	261.18	261.18	0
54190000	36.513	241.46	1.40169E-02	2.91091E-04	1.40251E-02	0.90410	261.00	260.99	260.99	0
54200000	36.671	238.06	1.06342E-02	3.96174E-04	1.06406E-02	0.87582	260.60	260.59	260.60	0
54210000	36.724	235.70	9.21116E-03	5.78198E-04	9.21396E-03	0.85779	259.64	259.65	259.64	0
54220000	36.651	233.88	8.19678E-03	8.60992E-04						

50030000	40.774	379.92	0.17246	4.30197E-03	0.17243	0.99200	267.40	267.42	267.42	0
50040000	40.462	395.55	0.19164	4.73800E-03	0.19161	0.99301	266.94	266.97	266.97	0
50050000	40.277	413.37	0.21313	5.13830E-03	0.21310	0.99390	266.68	266.72	266.72	0
C-52 SNGLVOL COMPONENT										
52010000	40.194	432.53	0.23595	5.47470E-03	0.23591	0.99466	266.59	266.63	266.63	0
C-54 PIPE COMPONENT										
54010000	37.911	454.89	0.26559	5.76601E-03	0.26559	0.99569	263.18	263.18	263.18	0
54020000	37.328	479.46	0.29520	5.98839E-03	0.29521	0.99633	262.33	262.32	262.32	0
54030000	37.101	506.87	0.32752	6.13958E-03	0.32752	0.99686	262.01	262.01	262.01	0
54040000	36.948	537.01	0.36280	6.21466E-03	0.36279	0.99733	261.83	261.83	261.83	0
54050000	36.823	569.61	0.40080	6.20835E-03	0.40080	0.99773	261.70	261.70	261.70	0
54060000	36.718	604.14	0.44092	6.11378E-03	0.44092	0.99808	261.59	261.59	261.59	0
54070000	36.630	639.56	0.48195	5.92440E-03	0.48195	0.99838	261.51	261.51	261.51	0
54080000	36.559	673.76	0.52143	5.62910E-03	0.52143	0.99862	261.45	261.45	261.45	0
54090000	36.502	701.84	0.55364	5.20066E-03	0.55364	0.99879	261.41	261.41	261.41	0
54100000	36.448	712.38	0.56527	4.57937E-03	0.56527	0.99884	261.37	261.37	261.37	0
54110000	36.388	685.31	0.53292	3.69400E-03	0.53292	0.99869	261.32	261.32	261.32	0
54120000	36.334	606.32	0.44004	2.59753E-03	0.44004	0.99810	261.27	261.27	261.27	0
54130000	36.329	496.96	0.31188	1.57574E-03	0.31188	0.99672	261.30	261.30	261.30	0
54140000	36.267	398.77	0.19713	8.79282E-04	0.19713	0.99397	261.22	261.22	261.22	0
54150000	36.464	326.25	0.11211	4.85290E-04	0.11211	0.98828	261.54	261.54	261.54	0
54160000	36.413	282.33	6.10060E-02	3.03353E-04	6.10072E-02	0.97750	261.44	261.44	261.44	0
54170000	36.430	259.42	3.43795E-02	2.42267E-04	3.43824E-02	0.95965	261.39	261.38	261.38	0
54180000	36.415	247.58	2.08503E-02	2.42809E-04	2.08553E-02	0.93424	261.19	261.18	261.18	0
54190000	36.513	241.46	1.40169E-02	2.91091E-04	1.40251E-02	0.90410	261.00	260.99	260.99	0
54200000	36.671	238.06	1.06342E-02	3.96174E-04	1.06406E-02	0.87582	260.60	260.59	260.60	0
54210000	36.724	235.70	9.21116E-03	5.78198E-04	9.21396E-03	0.85779	259.64	259.65	259.64	0
54220000	36.651	233.88	9.19678E-03	8.82992E-04	9.19743E-03	0.85622	258.12	258.13	258.12	0
54230000	36.465	232.58	1.05398E-02	1.41058E-03	1.05351E-02	0.87119	256.14	256.17	256.15	0
54240000	36.213	232.01	1.35580E-02	2.37151E-03	1.35610E-02	0.89624	253.83	253.86	253.84	0
54250000	35.982	232.41	1.88253E-02	4.13685E-03	1.88255E-02	0.92251	251.24	251.28	251.26	0
54260000	35.881	233.69	2.66337E-02	7.17209E-03	2.66218E-02	0.94338	248.44	248.51	248.48	0
54270000	34.871	233.37	3.48025E-02	1.08930E-02	3.47663E-02	0.95677	244.29	244.42	244.34	0
54280000	32.794	230.26	4.16323E-02	1.47021E-02	4.16262E-02	0.96523	238.52	238.60	238.54	0
54290000	31.224	226.55	4.91257E-02	1.98652E-02	4.92280E-02	0.97124	232.72	232.62	232.63	0
54300000	30.142	222.21	5.77644E-02	2.67015E-02	5.78294E-02	0.97577	226.68	226.64	226.62	0
54310000	29.330	217.10	6.74514E-02	3.52426E-02	6.74500E-02	0.97929	220.34	220.42	220.34	0
54320000	28.651	211.30	7.80140E-02	4.53519E-02	7.79609E-02	0.98207	213.81	213.90	213.86	0
54330000	28.047	205.10	8.94265E-02	5.68377E-02	8.94501E-02	0.98434	207.23	207.19	207.21	0
54340000	27.548	198.96	0.10202	6.96413E-02	0.10202	0.98628	200.68	200.69	200.69	0
54350000	27.088	193.29	0.11627	8.40230E-02	0.11631	0.98802	194.42	194.41	194.38	0
54360000	26.686	188.47	0.13317	0.10067	0.13317	0.98963	188.47	188.52	188.46	0
54370000	26.318	184.72	0.15400	0.12076	0.15401	0.99117	182.89	182.95	182.89	0
54380000	25.995	182.18	0.18054	0.14588	0.18053	0.99265	177.61	177.69	177.63	0
54390000	25.706	180.97	0.21484	0.17808	0.21484	0.99404	172.57	172.62	172.57	0
54400000	25.459	181.20	0.25926	0.21966	0.25926	0.99530	167.65	167.71	167.66	0
54410000	25.249	182.97	0.31598	0.27291	0.31597	0.99641	162.84	162.89	162.85	0
54420000	25.074	186.36	0.38638	0.33937	0.38638	0.99735	158.15	158.19	158.16	0
54430000	24.927	191.32	0.46999	0.41877	0.46998	0.99810	153.67	153.71	153.68	0
54440000	24.807	197.65	0.56334	0.50793	0.56334	0.99868	149.59	149.52	149.58	0
54450000	24.686	204.78	0.66019	0.60087	0.66019	0.99912	145.98	145.96	145.97	0
54460000	24.560	211.96	0.75242	0.68972	0.75241	0.99943	142.96	142.85	142.95	0
54470000	24.444	218.42	0.83247	0.76710	0.83247	0.99965	140.57	140.51	140.56	0
54480000	24.349	223.71	0.89591	0.82852	0.89591	0.99980	138.83	138.80	138.83	0
54490000	24.277	227.70	0.94210	0.87328	0.94214	0.99989	137.63	137.89	137.65	0
54500000	24.176	230.49	0.97344	0.90351	0.97342	0.99995	136.86	136.74	136.85	0
54510000	24.179	232.49	0.99346	0.92260	0.99336	0.99998	136.60	135.99	136.55	0
54520000	23.824	231.85	0.99939	0.93407	1.0000	0.99999	132.87	157.06	153.92	0
54530000	23.862	230.90	1.0000	0.94082	1.0000	1.0000	129.36	181.38	181.38	0
54540000	23.773	230.29	1.0000	0.94445	1.0000	1.0000	126.96	195.75	195.75	0
54550000	23.668	229.89	1.0000	0.94631	1.0000	1.0000	125.59	202.67	202.67	0
54560000	23.565	229.63	1.0000	0.94721	1.0000	1.0000	124.83	205.69	205.69	0
54570000	23.467	229.44	1.0000	0.94764	1.0000	1.0000	124.39	206.74	206.74	0
54580000	23.372	229.27	1.0000	0.94784	1.0000	1.0000	124.10	206.79	206.79	0
54590000	23.273	229.11	1.0000	0.94793	1.0000	1.0000	123.89	206.32	206.32	0
54600000	23.167	228.94	1.0000	0.94797	1.0000	1.0000	123.70	205.57	205.57	0
54610000	23.054	228.75	1.0000	0.94798	1.0000	1.0000	123.51	204.65	204.65	0
54620000	22.933	228.56	1.0000	0.94799	1.0000	1.0000	123.31	203.64	203.64	0
54630000	22.808	228.37	1.0000	0.94799	1.0000	1.0000	123.11	202.59	202.59	0
54640000	22.682	228.17	1.0000	0.94799	1.0000	1.0000	122.91	201.52	201.52	0
54650000	22.556	227.98	1.0000	0.94800	1.0000	1.0000	122.70	200.46	200.46	0
54660000	22.431	227.79	1.0000	0.94800	1.0000	1.0000	122.50	199.40	199.40	0
54670000	22.307	227.59	1.0000	0.94800	1.0000	1.0000	122.30	198.34	198.34	0
54680000	22.184	227.40	1.0000	0.94800	1.0000	1.0000	122.10	197.28	197.28	0
54690000	22.061	227.21	1.0000	0.94800	1.0000	1.0000	121.90	196.21	196.21	0
54700000	21.939	227.01	1.0000	0.94800	1.0000	1.0000	121.70	195.15	195.15	0
54710000	21.818	226.82	1.0000	0.94800	1.0000	1.0000	121.50	194.10	194.10	0
54720000	21.700	226.63	1.0000	0.94800	1.0000	1.0000	121.30	193.06	193.06	0
54730000	21.585	226.45	1.0000	0.94800	1.0000	1.0000	121.11	192.06	192.06	0
54740000	21.475	226.27	1.0000	0.94800	1.0000	1.0000	120.92	191.09	191.09	0
54750000	21.370	226.11	1.0000	0.94800	1.0000	1.0000	120.75	190.17	190.17	0
54760000	21.272	225.95	1.0000	0.94800	1.0000	1.0000	120.58	189.31	189.31	0
54770000	21.182	225.80	1.0000	0.94800	1.0000	1.0000	120.43	188.50	188.50	0
54780000	21.100	225.67	1.0000	0.94800	1.0000	1.0000	120.29	187.77	187.77	0
54790000	21.028	225.55	1.0000	0.94800	1.0000	1.0000	120.16	187.12	187.12	0
54800000	20.966	225.45	1.0000	0.94800	1.0000	1.0000	120.06	186.56	186.56	0
54810000	20.915	225.36	1.0000	0.94800	1.0000	1.0000	119.97	186.09	186.09	0
54820000	20.875	225.29	1.0000	0.94800	1.0000	1.0000	119.90	185.72	185.72	0
54830000	20.847	225.25	1.0000	0.94800	1.0000	1.0000	119.86	185.47	185.47	0

54540000	23.773	230.29	1.0000	0.94445	1.0000	1.0000	126.96	195.75	195.75	0
54550000	23.668	229.89	1.0000	0.94631	1.0000	1.0000	125.59	202.67	202.67	0
54560000	23.565	229.63	1.0000	0.94721	1.0000	1.0000	124.83	205.69	205.69	0
54570000	23.467	229.44	1.0000	0.94764	1.0000	1.0000	124.39	206.74	206.74	0
54580000	23.372	229.27	1.0000	0.94784	1.0000	1.0000	124.10	206.79	206.79	0
54590000	23.273	229.11	1.0000	0.94793	1.0000	1.0000	123.89	206.32	206.32	0
54600000	23.167	228.94	1.0000	0.94797	1.0000	1.0000	123.70	205.57	205.57	0
54610000	23.054	228.75	1.0000	0.94798	1.0000	1.0000	123.51	204.65	204.65	0
54620000	22.933	228.56	1.0000	0.94799	1.0000	1.0000	123.31	203.64	203.64	0
54630000	22.808	228.37	1.0000	0.94799	1.0000	1.0000	123.11	202.59	202.59	0
54640000	22.682	228.17	1.0000	0.94799	1.0000	1.0000	122.91	201.52	201.52	0
54650000	22.556	227.98	1.0000	0.94800	1.0000	1.0000	122.70	200.46	200.46	0
54660000	22.431	227.79	1.0000	0.94800	1.0000	1.0000	122.50	199.40	199.40	0
54670000	22.307	227.59	1.0000	0.94800	1.0000	1.0000	122.30	198.34	198.34	0
54680000	22.184	227.40	1.0000	0.94800	1.0000	1.0000	122.10	197.28	197.28	0
54690000	22.061	227.21	1.0000	0.94800	1.0000	1.0000	121.90	196.21	196.21	0
54700000	21.939	227.01	1.0000	0.94800	1.0000	1.0000	121.70	195.15	195.15	0
54710000	21.818	226.82	1.0000	0.94800	1.0000	1.0000	121.50	194.10	194.10	0
54720000	21.700	226.63	1.0000	0.94800	1.0000	1.0000	121.30	193.06	193.06	0
54730000	21.585	226.45	1.0000	0.94800	1.0000	1.0000	121.11	192.06	192.06	0
54740000	21.475	226.27	1.0000	0.94800	1.0000	1.0000	120.92	191.09	191.09	0
54750000	21.370	226.11	1.0000	0.94800	1.0000	1.0000	120.75	190.17	190.17	0
54760000	21.272	225.95	1.0000	0.94800	1.0000	1.0000	120.58	189.31	189.31	0
54770000	21.182	225.80	1.0000	0.94800	1.0000	1.0000	120.43	188.50	188.50	0
54780000	21.100	225.67	1.0000	0.94800	1.0000	1.0000	120.29	187.77	187.77	0
54790000	21.028	225.55	1.0000	0.94800	1.0000	1.0000	120.16	187.12	187.12	0
54800000	20.966	225.45	1.0000	0.94800	1.0000	1.0000	120.06	186.56	186.56	0
54810000	20.915	225.36	1.0000	0.94800	1.0000	1.0000	119.97	186.09	186.09	0
54820000	20.875	225.29	1.0000	0.94800	1.0000	1.0000	119.90	185.72	185.72	0
54830000	20.847	225.25	1.0000	0.94800	1.0000	1.0000	119.85	185.45	185.45	0
54840000	20.830	225.21	1.0000	0.94800	1.0000	1.0000	119.82	185.28	185.28	0
54850000	20.823	225.20	1.0000	0.94800	1.0000	1.0000	119.81	185.21	185.21	0
54860000	20.828	225.20	1.0000	0.94800	1.0000	1.0000	119.82	185.23	185.23	0
54870000	20.842	225.22	1.0000	0.94800	1.0000	1.0000	119.84	185.34	185.34	0
54880000	20.865	225.26	1.0000	0.94800	1.0000	1.0000	119.88	185.53	185.53	0
54890000	20.896	225.31	1.0000	0.94800	1.0000	1.0000	119.94	185.79	185.79	0
54900000	20.934	225.37	1.0000	0.94800	1.0000	1.0000	120.00	186.12	186.12	0
54910000	20.979	225.44	1.0000	0.94800	1.0000	1.0000	120.08	186.51	186.51	0
54920000	21.029	225.52	1.0000	0.94800	1.0000	1.0000	120.17	186.94	186.94	0
54930000	21.085	225.60	1.0000	0.94800	1.0000	1.0000	120.26	187.43	187.43	0
54940000	21.144	225.70	1.0000	0.94800	1.0000	1.0000	120.36	187.94	187.94	0
54950000	21.207	225.80	1.0000	0.94800	1.0000	1.0000	120.47	188.49	188.49	0
C-56	PIPE	COMPONENT								
56010000	21.275	225.95	1.0000	0.94800	1.0000	1.0000	120.58	189.31	189.31	0
56020000	21.388	226.14	1.0000	0.94800	1.0000	1.0000	120.78	190.36	190.36	0
56030000	21.504	226.33	1.0000	0.94800	1.0000	1.0000	120.97	191.39	191.39	0
56040000	21.617	226.51	1.0000	0.94800	1.0000	1.0000	121.16	192.39	192.39	0
56050000	21.720	226.68	1.0000	0.94800	1.0000	1.0000	121.33	193.31	193.31	0
56060000	21.804	226.82	1.0000	0.94800	1.0000	1.0000	121.47	194.09	194.09	0
56070000	21.864	226.92	1.0000	0.94800	1.0000	1.0000	121.57	194.66	194.66	0
56080000	21.898	226.98	1.0000	0.94800	1.0000	1.0000	121.63	195.00	195.00	0
56090000	21.910	227.01	1.0000	0.94800	1.0000	1.0000	121.65	195.12	195.12	0
56100000	21.907	227.00	1.0000	0.94800	1.0000	1.0000	121.64	195.08	195.08	0
56110000	21.896	226.98	1.0000	0.94800	1.0000	1.0000	121.62	194.96	194.96	0
56120000	21.880	226.95	1.0000	0.94800	1.0000	1.0000	121.60	194.80	194.80	0
56130000	21.859	226.91	1.0000	0.94800	1.0000	1.0000	121.56	194.60	194.60	0
56140000	21.829	226.86	1.0000	0.94800	1.0000	1.0000	121.51	194.33	194.33	0
56150000	21.787	226.80	1.0000	0.94800	1.0000	1.0000	121.44	193.98	193.98	0
56160000	21.732	226.72	1.0000	0.94800	1.0000	1.0000	121.35	193.52	193.52	0
56170000	21.669	226.62	1.0000	0.94800	1.0000	1.0000	121.25	192.98	192.98	0
56180000	21.604	226.51	1.0000	0.94800	1.0000	1.0000	121.14	192.40	192.40	0
56190000	21.544	226.41	1.0000	0.94800	1.0000	1.0000	121.04	191.85	191.85	0
56200000	21.491	226.32	1.0000	0.94800	1.0000	1.0000	120.95	191.37	191.37	0
56210000	21.446	226.25	1.0000	0.94800	1.0000	1.0000	120.87	190.97	190.97	0
56220000	21.405	226.19	1.0000	0.94800	1.0000	1.0000	120.80	190.62	190.62	0
56230000	21.365	226.12	1.0000	0.94800	1.0000	1.0000	120.74	190.28	190.28	0
56240000	21.321	226.06	1.0000	0.94800	1.0000	1.0000	120.66	189.91	189.91	0
56250000	21.274	225.98	1.0000	0.94800	1.0000	1.0000	120.58	189.51	189.51	0
56260000	21.224	225.91	1.0000	0.94800	1.0000	1.0000	120.50	189.08	189.08	0
56270000	21.173	225.83	1.0000	0.94800	1.0000	1.0000	120.41	188.64	188.64	0
56280000	21.124	225.75	1.0000	0.94800	1.0000	1.0000	120.33	188.21	188.21	0
56290000	21.078	225.68	1.0000	0.94800	1.0000	1.0000	120.25	187.83	187.83	0
56300000	21.038	225.62	1.0000	0.94800	1.0000	1.0000	120.18	187.48	187.48	0
56310000	21.002	225.56	1.0000	0.94800	1.0000	1.0000	120.12	187.18	187.18	0
56320000	20.971	225.51	1.0000	0.94800	1.0000	1.0000	120.07	186.93	186.93	0
56330000	20.946	225.47	1.0000	0.94800	1.0000	1.0000	120.02	186.71	186.71	0
56340000	20.926	225.44	1.0000	0.94800	1.0000	1.0000	119.99	186.53	186.53	0
56350000	20.912	225.42	1.0000	0.94800	1.0000	1.0000	119.96	186.39	186.39	0
C-58	PIPE	COMPONENT								
58010000	20.903	225.40	1.0000	0.94800	1.0000	1.0000	119.95	186.32	186.32	0
58020000	20.899	225.39	1.0000	0.94800	1.0000	1.0000	119.94	186.25	186.25	0
58030000	20.900	225.38	1.0000	0.94800	1.0000	1.0000	119.94	186.21	186.21	0
58040000	20.905	225.39	1.0000	0.94800	1.0000	1.0000	119.95	186.22	186.22	0
58050000	20.914	225.39	1.0000	0.94800	1.0000	1.0000	119.97	186.26	186.26	0
58060000	20.924	225.40	1.0000	0.94800	1.0000	1.0000	119.98	186.32	186.32	0
58070000	20.934	225.41	1.0000	0.94799	1.0000	1.0000	120.01	186.33	186.33	0
C-60	PIPE	COMPONENT								
60010000	20.945	225.45	1.0000	0.94782	1.0000	1.0000	120.14	185.70	185.70	0
60020000	20.955	225.48	1.0000	0.94427	1.0000	1.0000	120.23	170.73	170.73	0

56180000	21.604	226.51	1.0000	0.94800	1.0000	1.0000	121.14	192.40	192.40	0
56190000	21.544	226.41	1.0000	0.94800	1.0000	1.0000	121.04	191.85	191.85	0
56200000	21.491	226.32	1.0000	0.94800	1.0000	1.0000	120.95	191.37	191.37	0
56210000	21.445	226.25	1.0000	0.94800	1.0000	1.0000	120.87	190.97	190.97	0
56220000	21.405	226.19	1.0000	0.94800	1.0000	1.0000	120.80	190.62	190.62	0
56230000	21.365	226.12	1.0000	0.94800	1.0000	1.0000	120.74	190.28	190.28	0
56240000	21.321	226.06	1.0000	0.94800	1.0000	1.0000	120.66	189.91	189.91	0
56250000	21.274	225.98	1.0000	0.94800	1.0000	1.0000	120.58	189.51	189.51	0
56260000	21.224	225.91	1.0000	0.94800	1.0000	1.0000	120.50	189.08	189.08	0
56270000	21.173	225.83	1.0000	0.94800	1.0000	1.0000	120.41	188.64	188.64	0
56280000	21.124	225.75	1.0000	0.94800	1.0000	1.0000	120.33	188.21	188.21	0
56290000	21.078	225.68	1.0000	0.94800	1.0000	1.0000	120.25	187.83	187.83	0
56300000	21.038	225.62	1.0000	0.94800	1.0000	1.0000	120.18	187.48	187.48	0
56310000	21.002	225.56	1.0000	0.94800	1.0000	1.0000	120.12	187.18	187.18	0
56320000	20.971	225.51	1.0000	0.94800	1.0000	1.0000	120.07	186.93	186.93	0
56330000	20.946	225.47	1.0000	0.94800	1.0000	1.0000	120.02	186.71	186.71	0
56340000	20.926	225.44	1.0000	0.94800	1.0000	1.0000	119.99	186.53	186.53	0
56350000	20.912	225.42	1.0000	0.94800	1.0000	1.0000	119.96	186.39	186.39	0
C-58 PIPE COMPONENT										
58010000	20.903	225.40	1.0000	0.94800	1.0000	1.0000	119.95	186.32	186.32	0
58020000	20.899	225.39	1.0000	0.94800	1.0000	1.0000	119.94	186.25	186.25	0
58030000	20.900	225.38	1.0000	0.94800	1.0000	1.0000	119.94	186.21	186.21	0
58040000	20.905	225.39	1.0000	0.94800	1.0000	1.0000	119.95	186.22	186.22	0
58050000	20.914	225.39	1.0000	0.94800	1.0000	1.0000	119.97	186.26	186.26	0
58060000	20.924	225.40	1.0000	0.94800	1.0000	1.0000	119.98	186.32	186.32	0
58070000	20.934	225.41	1.0000	0.94799	1.0000	1.0000	120.01	186.33	186.33	0
C-60 PIPE COMPONENT										
60010000	20.945	225.45	1.0000	0.94782	1.0000	1.0000	120.14	185.70	185.70	0
60020000	20.955	225.88	1.0000	0.94427	1.0000	1.0000	122.45	170.73	170.73	0
60030000	20.973	221.05	0.95880	0.89630	0.95879	0.99993	127.98	127.91	127.98	0
C-62 PIPE COMPONENT										
62010000	20.990	172.19	0.61035	0.57309	0.61035	0.99903	125.67	125.67	125.67	0
62020000	20.998	90.896	2.06541E-02	1.95733E-02	2.06562E-02	0.93214	120.35	120.29	120.35	0
C-64 SNGLVOL COMPONENT										
64010000	20.632	87.960	2.81496E-05	2.66931E-05	2.81826E-05	1.82847E-02	120.00	119.26	120.00	10
C-66 SNGLVOL COMPONENT										
66010000	18.874	87.957	2.85735E-07	2.71043E-07	2.87722E-07	2.05377E-04	120.00	115.88	120.00	10
C-68 SNGLVOL COMPONENT										
68010000	17.219	87.957	0.00000	0.00000	0.00000	0.00000	120.00	120.00	120.00	10
C-69 BRANCH COMPONENT										
69010000	14.168	87.957	0.00000	0.00000	0.00000	0.00000	120.00	120.00	120.00	10
C-70 BRANCH COMPONENT										
70010000	12.924	87.957	0.00000	0.00000	0.00000	0.00000	120.00	120.00	120.00	10
C-71 SNGLVOL COMPONENT										
71010000	12.597	87.957	0.00000	0.00000	0.00000	0.00000	120.00	120.00	120.00	10
C-73 BRANCH COMPONENT										
73010000	11.291	87.953	8.50594E-08	7.96960E-08	8.84416E-08	1.00950E-04	119.99	104.94	119.99	0
C-75 SNGLVOL COMPONENT										
75010000	10.897	195.39	0.79834	0.74328	0.79834	0.99979	106.66	106.66	106.66	0
C-76 PIPE COMPONENT										
76010000	244.36	960.05	0.81180	0.00000	0.79050	0.99755	398.97	362.60	398.97	10
76020000	190.46	946.10	0.79461	0.00000	0.78100	0.99793	377.73	351.89	377.73	10
76030000	167.19	938.37	0.78432	0.00000	0.77561	0.99810	367.08	349.62	367.08	10
76040000	151.24	933.80	0.77818	0.00000	0.77337	0.99824	359.08	349.07	359.08	0
C-79 SNGLVOL COMPONENT										
79010000	2687.8	1014.1	1.0000	0.00000	0.99836	1.0000	678.85	678.76	678.85	0
C-81 SNGLVOL COMPONENT										
81010000	2688.0	1014.0	1.0000	0.00000	0.99803	1.0000	678.86	678.75	678.86	0
C-83 PIPE COMPONENT										
83010000	2695.0	1014.8	1.0000	0.00000	1.0000	1.0000	679.55	679.55	679.55	0
83020000	2695.0	1014.0	1.0000	0.00000	1.0000	1.0000	679.31	679.31	679.31	0
C-85 PIPE COMPONENT										
85010000	2696.1	1013.9	1.0000	0.00000	1.0000	1.0000	679.38	679.38	679.38	0
85020000	2696.2	1014.8	1.0000	0.00000	1.0000	1.0000	679.65	679.65	679.65	0
C-87 PIPE COMPONENT										
87010000	2689.2	1013.7	0.99999	0.00000	0.99748	1.0000	678.93	678.79	678.93	0
C-89 SNGLVOL COMPONENT										
89010000	2690.6	1013.6	0.99999	0.00000	0.99766	1.0000	679.00	678.87	679.00	0
C-91 PIPE COMPONENT										
91010000	2690.4	1013.2	1.0000	0.00000	0.99600	1.0000	679.00	678.77	679.00	0
91020000	2690.5	1013.3	0.99999	0.00000	0.99661	1.0000	679.00	678.81	679.00	0
91030000	2690.5	1013.5	0.99999	0.00000	0.99722	1.0000	679.00	678.84	679.00	0
C-93 SNGLVOL COMPONENT										
93010000	14.834	223.08	0.97869	0.91295	0.97869	0.99997	116.49	116.49	116.49	0
C-95 SNGLVOL COMPONENT										
95010000	148.21	934.38	0.77482	0.00000	0.77482	0.99828	357.49	357.49	357.49	0
C-96 SNGLVOL COMPONENT										
96010000	190.69	952.99	0.78999	0.00000	0.78999	0.99796	377.83	377.84	377.83	0
C-97 BRANCH COMPONENT										
97010000	131.97	927.32	0.77253	0.00000	0.77001	0.99843	348.48	343.00	348.48	0
C-99 SNGLVOL COMPONENT										
99010000	2681.1	1014.2	0.99999	0.00000	0.99642	1.0000	678.48	678.27	678.48	0
C-101 SNGLVOL COMPONENT										
101010000	2681.3	1014.1	0.99999	0.00000	0.99618	1.0000	678.49	678.27	678.49	0
C-103 PIPE COMPONENT										
103010000	2683.0	1014.0	0.99999	0.00000	0.99625	1.0000	678.58	678.37	678.58	0
103020000	2682.7	1014.1	0.99999	0.00000	0.99642	1.0000	678.57	678.36	678.57	0
C-105 PIPE COMPONENT										
105010000	2685.1	1013.8	0.99999	0.00000						

83020000	2695.0	1014.0	1.0000	0.00000	1.0000	1.0000	679.31	679.31	679.31	0
C-85	PIPE	COMPONENT								
85010000	2696.1	1013.9	1.0000	0.00000	1.0000	1.0000	679.38	679.38	679.38	0
85020000	2696.2	1014.8	1.0000	0.00000	1.0000	1.0000	679.65	679.65	679.65	0
C-87	PIPE	COMPONENT								
87010000	2689.2	1013.7	0.99999	0.00000	0.99748	1.0000	678.93	678.79	678.93	0
C-89	SNGLVOL	COMPONENT								
89010000	2690.6	1013.6	0.99999	0.00000	0.99766	1.0000	679.00	678.87	679.00	0
C-91	PIPE	COMPONENT								
91010000	2690.4	1013.2	1.0000	0.00000	0.99600	1.0000	679.00	678.77	679.00	0
91020000	2690.5	1013.3	0.99999	0.00000	0.99661	1.0000	679.00	678.81	679.00	0
91030000	2690.5	1013.5	0.99999	0.00000	0.99722	1.0000	679.00	678.84	679.00	0
C-93	SNGLVOL	COMPONENT								
93010000	14.834	223.08	0.97869	0.91295	0.97869	0.99997	116.49	116.49	116.49	0
C-95	SNGLVOL	COMPONENT								
95010000	148.21	934.38	0.77482	0.00000	0.77482	0.99828	357.49	357.49	357.49	0
C-96	SNGLVOL	COMPONENT								
96010000	190.69	952.99	0.78999	0.00000	0.78999	0.99796	377.83	377.84	377.83	0
C-97	BRANCH	COMPONENT								
97010000	131.97	927.32	0.77253	0.00000	0.77001	0.99843	348.48	343.00	348.48	0
C-99	SNGLVOL	COMPONENT								
99010000	2681.1	1014.2	0.99999	0.00000	0.99642	1.0000	678.48	678.27	678.48	0
C-101	SNGLVOL	COMPONENT								
101010000	2681.3	1014.1	0.99999	0.00000	0.99618	1.0000	678.49	678.27	678.49	0
C-103	PIPE	COMPONENT								
103010000	2683.0	1014.0	0.99999	0.00000	0.99625	1.0000	678.58	678.37	678.58	0
103020000	2682.7	1014.1	0.99999	0.00000	0.99642	1.0000	678.57	678.36	678.57	0
C-105	PIPE	COMPONENT								
105010000	2685.1	1013.8	0.99999	0.00000	0.99625	1.0000	678.70	678.49	678.70	0
105020000	2684.5	1013.9	0.99999	0.00000	0.99651	1.0000	678.67	678.47	678.67	0
C-107	SNGLVOL	COMPONENT								
107010000	2685.7	1013.6	0.99999	0.00000	0.99593	1.0000	678.73	678.50	678.73	0
C-109	SNGLVOL	COMPONENT								
109010000	2687.5	1013.5	0.99999	0.00000	0.99632	1.0000	678.83	678.62	678.83	0
C-111	PIPE	COMPONENT								
111010000	2690.1	1013.1	1.0000	0.00000	0.99585	1.0000	678.98	678.74	678.98	0
111020000	2689.1	1013.3	0.99999	0.00000	0.99602	1.0000	678.92	678.70	678.92	0
111030000	2688.2	1013.4	0.99999	0.00000	0.99621	1.0000	678.87	678.66	678.87	0
C-113	TMDPVOL	COMPONENT								
113010000	2701.3	1013.1	1.0000	0.00000	1.0000	1.0000	679.60	679.60	679.60	0
C-114	PIPE	COMPONENT								
114010000	152.96	361.58	4.67729E-02	2.56424E-03	4.52754E-02	0.88738	355.68	356.97	356.87	0
114020000	157.99	354.40	3.83365E-02	3.36010E-03	3.64113E-02	0.85978	355.80	357.60	357.32	0
114030000	167.03	331.68	9.89796E-03	1.39938E-03	7.44501E-03	0.58864	353.66	358.65	355.56	0
C-136	SNGLVOL	COMPONENT								
136010000	153.92	935.24	0.77647	0.00000	0.77458	0.99821	360.47	356.54	360.47	0
V-CASE	SNGLVOL	COMPONENT								
178010000	2009.6	998.58	0.82831	0.00000	0.82831	0.97230	636.48	636.48	636.48	11
C-193	SNGLVOL	COMPONENT								
193010000	14.756	220.34	0.96869	0.90492	0.96869	0.99996	115.62	115.62	115.62	0
C-195	PIPE	COMPONENT								
195010000	143.02	361.52	5.52312E-02	8.40987E-04	4.72154E-02	0.91080	347.39	353.90	353.75	0
195020000	74.592	301.06	2.99548E-02	2.93857E-04	3.01348E-02	0.91118	306.90	306.80	306.75	0
V-CASE	SNGLVOL	COMPONENT								
198010000	2003.3	999.29	0.82962	0.00000	0.82962	0.97271	636.03	636.03	636.03	11

VOL.NO.	RHO (LB/FT3)	RHOF (LB/FT3)	RHOG (LB/FT3)	VOLUME (FT3)	UF (BTU/LB)	UG (BTU/LB)	SOUNDE (FT/SEC)	HEAT INPUT (BTU/SEC)	VAPOR GEN. (LB/FT3-SEC)
1010000	8.9418	33.006	8.9418	0.00000	742.59	1013.1	1083.2	0.00000	10.976
36010000	0.71538	53.583	0.57798	0.14070	376.13	1100.4	1362.1	0.00000	-20.343
36020000	0.56767	54.407	0.44947	0.14070	354.27	1104.0	1351.8	0.00000	-13.078
36030000	0.50685	54.775	0.39642	0.14070	344.22	1107.0	1345.3	0.00000	-7.3542
38010000	0.54118	54.441	0.43019	0.35072	353.36	1113.4	1364.5	0.00000	0.28586
38020000	0.54098	54.440	0.43033	0.35072	353.39	1113.4	1365.1	0.00000	0.14659
38030000	0.54071	54.440	0.43034	0.35072	353.39	1113.4	1365.5	0.00000	0.13211
38040000	0.54032	54.440	0.43020	0.35072	353.37	1113.5	1365.8	0.00000	4.61433E-02
38050000	0.52793	54.443	0.43006	0.35072	353.30	1113.1	1383.5	0.00000	0.12475
38060000	2.6318	54.541	0.43563	0.35072	350.67	1079.0	503.01	0.00000	-1.6996
38070000	23.694	56.730	0.49258	0.35072	288.06	781.67	189.38	0.00000	-31.204
40010000	0.54248	54.437	0.43066	0.21862	353.46	1113.5	1363.5	0.00000	0.38167
42010000	30.681	57.641	0.64881	0.32880	259.37	415.12	220.35	0.00000	-2.8878
44010000	4.1160	56.192	0.31931	0.16683	303.83	1098.3	210.83	0.00000	-147.39
46010000	4.2811	55.535	0.33554	0.20824	322.93	1096.0	267.55	0.00000	-46.220
46020000	4.4951	55.376	0.33451	0.35620	327.42	1091.2	274.01	0.00000	-10.786
46030000	5.3403	55.364	0.33849	0.35620	327.74	1079.7	241.90	0.00000	-7.8625
48010000	2.7926	57.586	0.13796	0.27948	260.15	1077.1	212.01	0.00000	59.263
48020000	1.3289	57.802	0.12535	0.27948	253.07	1076.7	347.69	0.00000	3.4474
48030000	0.92521	57.863	0.12174	0.27948	251.05	1076.3	441.17	0.00000	0.81311
48040000	0.90822	57.995	0.11410	0.27948	246.64	1075.6	427.48	0.00000	1.3088
48050000	0.93341	58.068	0.11001	0.27948	244.18	1075.1	408.94	0.00000	0.52694
48060000	0.93950	58.110	0.10775	0.27948	242.77	1074.4	401.22	0.00000	0.12039
48070000	0.91899	58.137	0.10637	0.27948	241.85	1073.6	403.81	0.00000	-6.14912E-02
48080000	0.87482	58.156	0.10547	0.27948	241.19	1072.7	415.43	0.00000	-0.24046
48090000	0.81428	58.170	0.10489	0.27948	240.71	1071.7	434.88	0.00000	-0.44087
50010000	0.71201	58.239	0.10116	0.28824	238.36	1070.7	465.36	0.00000	0.54233
50020000	0.63179	58.278	9.91327E-02	0.28824	236.99	1069.9	497.52	0.00000	-3.91645E-04
50030000	0.56360	58.302	9.79856E-02	0.28824	236.19	1069.6	532.42	0.00000	-0.12580
50040000	0.50401	58.315	9.72722E-02	0.28824	235.72	1069.7	569.89	0.00000	-0.15777
50050000	0.45154	58.323	9.68308E-02	0.28824					

36030000	0.50685	54.775	0.39642	0.14070	344.22	1107.0	1351.8	0.00000	-13.078
38010000	0.54118	54.441	0.43019	0.35072	353.36	1113.4	1345.3	0.00000	-7.3542
38020000	0.54098	54.440	0.43033	0.35072	353.39	1113.4	1364.5	0.00000	0.28586
38030000	0.54071	54.440	0.43034	0.35072	353.39	1113.4	1365.1	0.00000	0.14659
38040000	0.54032	54.440	0.43020	0.35072	353.37	1113.5	1365.5	0.00000	0.13211
38050000	0.52793	54.443	0.43006	0.35072	353.30	1113.5	1365.8	0.00000	4.61433E-02
38060000	2.6318	54.541	0.43563	0.35072	350.67	1113.1	1383.5	0.00000	0.12475
38070000	23.894	56.730	0.49258	0.35072	288.06	1079.0	503.01	0.00000	-1.6996
40010000	0.54248	54.437	0.43066	0.21862	353.46	781.67	189.38	0.00000	-31.204
42010000	30.681	57.641	0.64881	0.32880	259.37	1113.5	1363.5	0.00000	0.38167
44010000	4.1160	56.192	0.31931	0.16683	303.83	415.12	220.35	0.00000	-2.8878
46010000	4.2811	55.535	0.33554	0.20824	322.93	1098.3	210.83	0.00000	-147.39
46020000	4.4951	55.376	0.33451	0.35620	327.42	1096.0	267.55	0.00000	-46.220
46030000	5.3403	55.364	0.33849	0.35620	327.74	1091.2	274.01	0.00000	-10.786
48010000	2.7926	57.586	0.13796	0.27948	260.15	1079.7	241.90	0.00000	-7.8625
48020000	1.3289	57.802	0.12535	0.27948	253.07	1077.1	212.01	0.00000	59.263
48030000	0.92521	57.863	0.12174	0.27948	251.05	1076.7	347.69	0.00000	3.4474
48040000	0.90822	57.995	0.11410	0.27948	246.64	1076.3	441.17	0.00000	0.81311
48050000	0.93341	58.068	0.11001	0.27948	244.18	1075.6	427.48	0.00000	1.3088
48060000	0.93950	58.110	0.10775	0.27948	242.77	1075.1	408.94	0.00000	0.52694
48070000	0.91899	58.137	0.10637	0.27948	241.85	1074.4	401.22	0.00000	0.12039
48080000	0.87482	58.156	0.10547	0.27948	241.19	1073.6	403.81	0.00000	-6.14912E-02
48090000	0.81428	58.170	0.10489	0.27948	240.71	1072.7	415.43	0.00000	-0.24046
50010000	0.71201	58.239	0.10116	0.28824	238.36	1071.7	434.88	0.00000	-0.44087
50020000	0.63179	58.278	9.91327E-02	0.28824	236.99	1070.7	465.36	0.00000	0.54233
50030000	0.56360	58.302	9.79856E-02	0.28824	236.19	1069.9	497.52	0.00000	-1.51645E-04
50040000	0.50401	58.315	9.72722E-02	0.28824	235.72	1069.6	532.42	0.00000	-0.12500
50050000	0.45154	58.323	9.68308E-02	0.28824	235.46	1069.7	569.89	0.00000	-0.15777
52010000	0.40726	58.325	9.66089E-02	0.27400	235.37	1070.2	609.72	0.00000	-0.15952
54010000	0.34262	58.425	9.13930E-02	0.30578	231.89	1071.0	649.88	0.00000	-0.15611
54020000	0.30383	58.450	9.00234E-02	0.30578	231.02	1071.5	698.62	0.00000	0.61269
54030000	0.27226	58.459	8.94536E-02	0.30578	230.70	1072.6	744.82	0.00000	3.96584E-02
54040000	0.24479	58.465	8.90506E-02	0.30578	230.51	1073.9	792.63	0.00000	1.55376E-03
54050000	0.22082	58.469	8.87097E-02	0.30578	230.37	1075.3	842.08	0.00000	-1.76257E-03
54060000	0.20013	58.472	8.84133E-02	0.30578	230.26	1076.8	892.61	0.00000	-1.17393E-03
54070000	0.18262	58.474	8.81591E-02	0.30578	230.18	1078.2	943.28	0.00000	-2.67529E-04
54080000	0.16843	58.476	8.79473E-02	0.30578	230.12	1079.6	992.63	0.00000	2.72139E-04
54090000	0.15833	58.477	8.77688E-02	0.30578	230.08	1080.9	1038.1	0.00000	1.33502E-03
54100000	0.15479	58.478	8.76007E-02	0.30578	230.04	1082.2	1073.9	0.00000	2.76514E-03
54110000	0.16383	58.480	8.74252E-02	0.30578	229.99	1083.3	1086.7	0.00000	2.32571E-03
54120000	0.19794	58.481	8.72687E-02	0.30578	229.94	1084.4	1051.6	0.00000	-1.21554E-03
54130000	0.27876	58.480	8.72276E-02	0.30578	229.96	1085.3	943.48	0.00000	-6.61332E-03
54140000	0.43899	58.483	8.70660E-02	0.30578	229.88	1086.1	771.73	0.00000	-5.27213E-03
54150000	0.77133	58.473	8.75050E-02	0.30578	230.22	1086.6	582.02	0.00000	0.36194
54160000	1.4006	58.476	8.74122E-02	0.30578	230.11	1086.8	400.18	0.00000	-0.31400
54170000	2.4431	58.478	8.75228E-02	0.30578	230.06	1086.2	257.27	0.00000	0.25052
54180000	3.9275	58.483	8.76529E-02	0.30578	229.85	1084.3	164.30	0.00000	0.46575
54190000	5.6887	58.489	8.81963E-02	0.30578	229.66	1080.1	109.57	0.00000	0.83981
54200000	7.3423	58.501	8.91486E-02	0.30578	229.25	1071.9	79.924	0.00000	1.4861
54210000	8.4007	58.528	9.02082E-02	0.30578	228.28	1056.9	65.682	0.00000	0.85870
54220000	8.4997	58.573	9.12969E-02	0.30578	226.74	1033.8	61.329	0.00000	0.17794
54230000	7.6323	58.630	9.23360E-02	0.30578	224.74	1003.6	64.155	0.00000	0.26162
54240000	6.1736	58.696	9.33915E-02	0.30578	222.40	969.10	73.156	0.00000	0.72917
54250000	4.6410	58.769	9.47071E-02	0.30578	219.78	931.65	89.036	0.00000	1.5292
54260000	3.4227	58.848	9.66301E-02	0.30578	216.94	890.78	112.99	0.00000	1.8824
54270000	2.6408	58.964	9.60595E-02	0.30578	212.74	845.66	144.41	0.00000	0.96907
54280000	2.1449	59.123	9.25116E-02	0.30578	206.89	805.47	173.70	0.00000	-0.14659
54290000	1.7929	59.279	9.06833E-02	0.30578	201.02	768.09	196.05	0.00000	1.5681
54300000	1.5280	59.440	9.04551E-02	0.30578	194.91	720.79	218.94	0.00000	0.71995
54310000	1.3236	59.605	9.11652E-02	0.30578	188.52	657.59	242.61	0.00000	0.49991
54320000	1.1621	59.771	9.23127E-02	0.30578	181.95	612.26	266.54	0.00000	0.74895
54330000	1.0302	59.935	9.35959E-02	0.30578	175.33	558.18	289.70	0.00000	0.61770
54340000	0.91775	60.095	9.49390E-02	0.30578	168.74	508.23	312.90	0.00000	0.19521
54350000	0.81669	60.244	9.61090E-02	0.30578	162.44	464.88	336.02	0.00000	0.25057
54360000	0.72189	60.382	9.71413E-02	0.30578	156.46	427.80	360.54	0.00000	7.74871E-02
54370000	0.63091	60.508	9.80294E-02	0.30578	150.87	396.85	387.06	0.00000	0.10572
54380000	0.54342	60.626	9.88405E-02	0.30578	145.57	370.65	417.49	0.00000	9.43728E-02
54390000	0.46088	60.735	9.96122E-02	0.30578	140.52	348.35	453.49	0.00000	0.14119
54400000	0.38546	60.840	0.10040	0.30578	135.59	328.80	496.50	0.00000	9.06353E-02
54410000	0.31927	60.939	0.10124	0.30578	130.78	311.49	547.58	0.00000	8.38762E-02
54420000	0.26359	61.034	0.10212	0.30578	126.08	295.95	607.00	0.00000	9.38817E-02
54430000	0.21869	61.123	0.10298	0.30578	121.60	282.09	673.98	0.00000	8.74483E-02
54440000	0.18396	61.202	0.10377	0.30578	117.52	269.96	746.25	0.00000	7.30047E-02
54450000	0.15795	61.270	0.10437	0.30578	113.91	259.76	820.06	0.00000	5.44518E-02
54460000	0.13916	61.326	0.10477	0.30578	110.89	251.56	890.78	0.00000	3.54978E-02
54470000	0.12604	61.369	0.10496	0.30578	108.50	245.21	953.78	0.00000	4.27283E-02
54480000	0.11724	61.401	0.10505	0.30578	106.76	240.54	1005.7	0.00000	3.72579E-02
54490000	0.11148	61.422	0.10504	0.30578	105.57	237.29	1045.3	0.00000	4.20161E-02
54500000	0.10773	61.436	0.10488	0.30578	104.79	235.20	1073.5	0.00000	1.39258E-02
54510000	0.10574	61.440	0.10505	0.30578	104.53	233.92	1092.2	0.00000	-2.55205E-03
54520000	0.10037	61.505	0.10031	0.30578	100.80	233.33	1104.3	0.00000	-2.02239E-03
54530000	9.70025E-02	61.565	9.70025E-02	0.30578	97.297	231.93	1232.8	0.00000	0.00000
54540000	9.47195E-02	61.605	9.47195E-02	0.30578	94.901	230.90	1257.6	0.00000	6.83831E-05
54550000	9.34142E-02	61.627	9.34142E-02	0.30578	93.535	230.29	1270.3	0.00000	0.00000
54560000	9.26322E-02	61.640	9.26322E-02	0.30578	92.773	229.89	1276.3	0.00000	0.00000
54570000	9.21271E-02	61.647	9.21271E-02	0.30578	92.334	229.63	1278.9	0.00000	0.00000
54580000	9.17567E-02	61.651	9.17567E-02	0.30578	92.052	229.44	1279.7	0.00000	0.00000
54590000	9.14384E-02	61.655	9.14384E-02	0.30578	91.878	229.27	1279.7	0.00000	0.00000
						229.11	1279.2	0.00000	0.00000

54320000	1.1621	59.771	9.23127E-02	0.30578	181.95	558.18	289.70	0.00000	0.61770
54330000	1.0302	59.935	9.35959E-02	0.30578	175.33	508.23	312.90	0.00000	0.19521
54340000	0.91775	60.095	9.49390E-02	0.30578	168.74	464.88	336.02	0.00000	0.25057
54350000	0.81669	60.244	9.61090E-02	0.30578	162.44	427.80	360.54	0.00000	7.74871E-02
54360000	0.72189	60.382	9.71413E-02	0.30578	156.46	396.85	387.06	0.00000	0.10572
54370000	0.63091	60.508	9.80294E-02	0.30578	150.87	370.65	417.49	0.00000	9.43728E-02
54380000	0.54342	60.626	9.88405E-02	0.30578	145.57	348.35	453.49	0.00000	0.14119
54390000	0.46088	60.735	9.96122E-02	0.30578	140.52	328.80	496.50	0.00000	9.06353E-02
54400000	0.38546	60.840	0.10040	0.30578	135.59	311.49	547.58	0.00000	8.38762E-02
54410000	0.31927	60.939	0.10124	0.30578	130.78	295.95	607.00	0.00000	9.38817E-02
54420000	0.26359	61.034	0.10212	0.30578	126.08	282.09	673.98	0.00000	8.74483E-02
54430000	0.21869	61.123	0.10298	0.30578	121.60	269.96	746.25	0.00000	7.30047E-02
54440000	0.18396	61.202	0.10377	0.30578	117.52	259.76	820.06	0.00000	5.44518E-02
54450000	0.15795	61.270	0.10437	0.30578	113.91	251.56	890.78	0.00000	3.54978E-02
54460000	0.13916	61.326	0.10477	0.30578	110.89	245.21	953.78	0.00000	4.27283E-02
54470000	0.12604	61.369	0.10496	0.30578	108.50	240.54	1005.7	0.00000	3.72579E-02
54480000	0.11724	61.401	0.10505	0.30578	106.76	237.29	1045.3	0.00000	4.20161E-02
54490000	0.11148	61.422	0.10504	0.30578	105.57	235.20	1073.5	0.00000	1.39258E-02
54500000	0.10773	61.436	0.10488	0.30578	104.79	233.92	1092.2	0.00000	-2.55205E-03
54510000	0.10574	61.440	0.10505	0.30578	104.53	233.33	1104.3	0.00000	-2.02239E-03
54520000	0.10037	61.505	0.10031	0.30578	100.80	231.93	1232.8	0.00000	0.00000
54530000	9.70025E-02	61.565	9.70025E-02	0.30578	97.297	230.90	1257.6	0.00000	6.83831E-05
54540000	9.47195E-02	61.605	9.47195E-02	0.30578	94.901	230.29	1270.3	0.00000	0.00000
54550000	9.34142E-02	61.627	9.34142E-02	0.30578	93.535	229.89	1276.3	0.00000	0.00000
54560000	9.26322E-02	61.640	9.26322E-02	0.30578	92.773	229.63	1278.9	0.00000	0.00000
54570000	9.21271E-02	61.647	9.21271E-02	0.30578	92.334	229.44	1279.7	0.00000	0.00000
54580000	9.17567E-02	61.651	9.17567E-02	0.30578	92.052	229.27	1279.7	0.00000	0.00000
54590000	9.14384E-02	61.655	9.14384E-02	0.30578	91.838	229.11	1279.2	0.00000	0.00000
54600000	9.11279E-02	61.658	9.11279E-02	0.30578	91.645	228.94	1278.5	0.00000	0.00000
54610000	9.08062E-02	61.661	9.08062E-02	0.30578	91.454	228.75	1277.6	0.00000	0.00000
54620000	9.04689E-02	61.664	9.04689E-02	0.30578	91.258	228.56	1276.7	0.00000	0.00000
54630000	9.01195E-02	61.667	9.01195E-02	0.30578	91.058	228.37	1275.7	0.00000	0.00000
54640000	8.97647E-02	61.670	8.97647E-02	0.30578	90.855	228.17	1274.7	0.00000	0.00000
54650000	8.94101E-02	61.673	8.94101E-02	0.30578	90.652	227.98	1273.7	0.00000	0.00000
54660000	8.90583E-02	61.677	8.90583E-02	0.30578	90.450	227.79	1272.7	0.00000	0.00000
54670000	8.87094E-02	61.680	8.87094E-02	0.30578	90.250	227.59	1271.6	0.00000	0.00000
54680000	8.83621E-02	61.683	8.83621E-02	0.30578	90.049	227.40	1270.6	0.00000	0.00000
54690000	8.80155E-02	61.686	8.80155E-02	0.30578	89.848	227.21	1269.6	0.00000	0.00000
54700000	8.76702E-02	61.689	8.76702E-02	0.30578	89.647	227.01	1268.6	0.00000	0.00000
54710000	8.73282E-02	61.692	8.73282E-02	0.30578	89.447	226.82	1267.6	0.00000	0.00000
54720000	8.69923E-02	61.696	8.69923E-02	0.30578	89.251	226.63	1266.6	0.00000	0.00000
54730000	8.66657E-02	61.699	8.66657E-02	0.30578	89.059	226.45	1265.7	0.00000	0.00000
54740000	8.63515E-02	61.701	8.63515E-02	0.30578	88.874	226.27	1264.7	0.00000	0.00000
54750000	8.60529E-02	61.704	8.60529E-02	0.30578	88.698	226.11	1263.9	0.00000	0.00000
54760000	8.57727E-02	61.707	8.57727E-02	0.30578	88.533	225.95	1263.0	0.00000	0.00000
54770000	8.55141E-02	61.709	8.55141E-02	0.30578	88.380	225.80	1262.3	0.00000	0.00000
54780000	8.52800E-02	61.711	8.52800E-02	0.30578	88.240	225.67	1261.6	0.00000	0.00000
54790000	8.50733E-02	61.713	8.50733E-02	0.30578	88.117	225.55	1260.9	0.00000	0.00000
54800000	8.48962E-02	61.715	8.48962E-02	0.30578	88.011	225.45	1260.4	0.00000	0.00000
54810000	8.47506E-02	61.716	8.47506E-02	0.30578	87.923	225.36	1259.9	0.00000	0.00000
54820000	8.46377E-02	61.717	8.46377E-02	0.30578	87.854	225.29	1259.6	0.00000	0.00000
54830000	8.45579E-02	61.718	8.45579E-02	0.30578	87.806	225.25	1259.3	0.00000	0.00000
54840000	8.45108E-02	61.719	8.45108E-02	0.30578	87.776	225.21	1259.2	0.00000	0.00000
54850000	8.44955E-02	61.719	8.44955E-02	0.30578	87.765	225.20	1259.1	0.00000	0.00000
54860000	8.45104E-02	61.719	8.45104E-02	0.30578	87.773	225.20	1259.1	0.00000	0.00000
54870000	8.45533E-02	61.718	8.45533E-02	0.30578	87.797	225.22	1259.2	0.00000	0.00000
54880000	8.46219E-02	61.718	8.46219E-02	0.30578	87.837	225.26	1259.4	0.00000	0.00000
54890000	8.47137E-02	61.717	8.47137E-02	0.30578	87.890	225.31	1259.7	0.00000	0.00000
54900000	8.48260E-02	61.716	8.48260E-02	0.30578	87.956	225.37	1260.0	0.00000	0.00000
54910000	8.49563E-02	61.715	8.49563E-02	0.30578	88.033	225.44	1260.3	0.00000	0.00000
54920000	8.51025E-02	61.713	8.51025E-02	0.30578	88.119	225.52	1260.8	0.00000	0.00000
54930000	8.52624E-02	61.712	8.52624E-02	0.30578	88.213	225.60	1261.2	0.00000	0.00000
54940000	8.54346E-02	61.710	8.54346E-02	0.30578	88.315	225.70	1261.7	0.00000	0.00000
54950000	8.56173E-02	61.708	8.56173E-02	0.30578	88.422	225.80	1262.2	0.00000	0.00000
56010000	8.57808E-02	61.707	8.57808E-02	0.49155	88.537	225.95	1263.0	0.00000	0.00000
56020000	8.60995E-02	61.704	8.60995E-02	0.49155	88.728	226.14	1264.0	0.00000	0.00000
56030000	8.64298E-02	61.701	8.64298E-02	0.49155	88.924	226.33	1265.0	0.00000	0.00000
56040000	8.67508E-02	61.698	8.67508E-02	0.49155	89.113	226.51	1266.0	0.00000	0.00000
56050000	8.70392E-02	61.695	8.70392E-02	0.49155	89.284	226.68	1266.9	0.00000	0.00000
56060000	8.72727E-02	61.693	8.72727E-02	0.49155	89.424	226.82	1267.6	0.00000	0.00000
56070000	8.74359E-02	61.691	8.74359E-02	0.49155	89.523	226.92	1268.1	0.00000	0.00000
56080000	8.75274E-02	61.690	8.75274E-02	0.49155	89.579	226.98	1268.5	0.00000	0.00000
56090000	8.75592E-02	61.690	8.75592E-02	0.49155	89.599	227.01	1268.6	0.00000	0.00000
56100000	8.75519E-02	61.690	8.75519E-02	0.49155	89.594	227.00	1268.5	0.00000	0.00000
56110000	8.75237E-02	61.690	8.75237E-02	0.49155	89.576	226.98	1268.4	0.00000	0.00000
56120000	8.74824E-02	61.691	8.74824E-02	0.49155	89.550	226.95	1268.3	0.00000	0.00000
56130000	8.74241E-02	61.691	8.74241E-02	0.49155	89.514	226.91	1268.1	0.00000	0.00000
56140000	8.73386E-02	61.692	8.73386E-02	0.49155	89.465	226.86	1267.8	0.00000	0.00000
56150000	8.72174E-02	61.693	8.72174E-02	0.49155	89.395	226.80	1267.5	0.00000	0.00000
56160000	8.70610E-02	61.695	8.70610E-02	0.49155	89.305	226.72	1267.1	0.00000	0.00000
56170000	8.68813E-02	61.696	8.68813E-02	0.49155	89.200	226.62	1266.5	0.00000	0.00000
56180000	8.66973E-02	61.698	8.66973E-02	0.49155	89.091	226.51	1266.0	0.00000	0.00000
56190000	8.65268E-02	61.700	8.65268E-02	0.49155	88.990	226.41	1265.5	0.00000	0.00000
56200000	8.63788E-02	61.701	8.63788E-02	0.49155	88.901	226.32	1265.0	0.00000	0.00000
56210000	8.62510E-02	61.702	8.62510E-02	0.49155	88.826	226.25	1264.6	0.00000	0.00000
56220000	8.61337E-02	61.703	8.61337E-02	0.49155	88.757	226.19	1264.3	0.00000	0.00000
56230000	8.60158E-02	61.704	8.60158E-02	0.49155	88.689	226.12	1264.0	0.00000	0.00000
56240000	8.58893E-02	61.705	8.58893E-02	0.49155	88.616	226.06	1263.6	0.00000	0.00000

54920000	8.51025E-02	61.713	8.51025E-02	0.30578	88.119	225.52	1260.8	0.00000	0.00000
54930000	8.52624E-02	61.712	8.52624E-02	0.30578	88.213	225.60	1261.2	0.00000	0.00000
54940000	8.54346E-02	61.710	8.54346E-02	0.30578	88.315	225.70	1261.7	0.00000	0.00000
54950000	8.56173E-02	61.708	8.56173E-02	0.30578	88.422	225.80	1262.2	0.00000	0.00000
56010000	8.57808E-02	61.707	8.57808E-02	0.49155	88.537	225.95	1263.0	0.00000	0.00000
56020000	8.60995E-02	61.704	8.60995E-02	0.49155	88.728	226.14	1264.0	0.00000	0.00000
56030000	8.64298E-02	61.701	8.64298E-02	0.49155	88.924	226.33	1265.0	0.00000	0.00000
56040000	8.67508E-02	61.698	8.67508E-02	0.49155	89.113	226.51	1266.0	0.00000	0.00000
56050000	8.70392E-02	61.695	8.70392E-02	0.49155	89.284	226.68	1266.9	0.00000	0.00000
56060000	8.72727E-02	61.693	8.72727E-02	0.49155	89.424	226.82	1267.6	0.00000	0.00000
56070000	8.74359E-02	61.691	8.74359E-02	0.49155	89.523	226.92	1268.1	0.00000	0.00000
56080000	8.75274E-02	61.690	8.75274E-02	0.49155	89.579	226.98	1268.5	0.00000	0.00000
56090000	8.75592E-02	61.690	8.75592E-02	0.49155	89.599	227.01	1268.6	0.00000	0.00000

56100000	8.75519E-02	61.690	8.75519E-02	0.49155	89.594	227.00	1268.5	0.00000	0.00000
56110000	8.75237E-02	61.690	8.75237E-02	0.49155	89.576	226.98	1268.4	0.00000	0.00000
56120000	8.74824E-02	61.691	8.74824E-02	0.49155	89.550	226.95	1268.3	0.00000	0.00000
56130000	8.74241E-02	61.691	8.74241E-02	0.49155	89.514	226.91	1268.1	0.00000	0.00000
56140000	8.73386E-02	61.692	8.73386E-02	0.49155	89.465	226.86	1267.8	0.00000	0.00000
56150000	8.72174E-02	61.693	8.72174E-02	0.49155	89.395	226.80	1267.5	0.00000	0.00000
56160000	8.70610E-02	61.695	8.70610E-02	0.49155	89.305	226.72	1267.1	0.00000	0.00000
56170000	8.68813E-02	61.696	8.68813E-02	0.49155	89.200	226.62	1266.5	0.00000	0.00000
56180000	8.66973E-02	61.698	8.66973E-02	0.49155	89.091	226.51	1266.0	0.00000	0.00000
56190000	8.65268E-02	61.700	8.65268E-02	0.49155	88.990	226.41	1265.5	0.00000	0.00000
56200000	8.63788E-02	61.701	8.63788E-02	0.49155	88.901	226.32	1265.0	0.00000	0.00000
56210000	8.62510E-02	61.702	8.62510E-02	0.49155	88.826	226.25	1264.6	0.00000	0.00000
56220000	8.61337E-02	61.703	8.61337E-02	0.49155	88.757	226.19	1264.3	0.00000	0.00000
56230000	8.60158E-02	61.704	8.60158E-02	0.49155	88.689	226.12	1264.0	0.00000	0.00000
56240000	8.58893E-02	61.705	8.58893E-02	0.49155	88.616	226.06	1263.6	0.00000	0.00000
56250000	8.57520E-02	61.707	8.57520E-02	0.49155	88.536	225.98	1263.2	0.00000	0.00000
56260000	8.56064E-02	61.708	8.56064E-02	0.49155	88.451	225.91	1262.8	0.00000	0.00000
56270000	8.54586E-02	61.709	8.54586E-02	0.49155	88.364	225.83	1262.4	0.00000	0.00000
56280000	8.53159E-02	61.711	8.53159E-02	0.49155	88.280	225.75	1262.0	0.00000	0.00000
56290000	8.51838E-02	61.712	8.51838E-02	0.49155	88.203	225.68	1261.6	0.00000	0.00000
56300000	8.50645E-02	61.713	8.50645E-02	0.49155	88.133	225.62	1261.3	0.00000	0.00000
56310000	8.49588E-02	61.714	8.49588E-02	0.49155	88.072	225.56	1261.0	0.00000	0.00000
56320000	8.48679E-02	61.715	8.48679E-02	0.49155	88.019	225.51	1260.7	0.00000	0.00000
56330000	8.47942E-02	61.715	8.47942E-02	0.49155	87.976	225.47	1260.5	0.00000	0.00000
56340000	8.47392E-02	61.716	8.47392E-02	0.49155	87.943	225.44	1260.4	0.00000	0.00000
56350000	8.47012E-02	61.716	8.47012E-02	0.49155	87.919	225.42	1260.2	0.00000	0.00000
58010000	8.46728E-02	61.717	8.46728E-02	0.54635	87.903	225.40	1260.2	0.00000	0.00000
58020000	8.46640E-02	61.717	8.46640E-02	0.54635	87.895	225.39	1260.1	0.00000	0.00000
58030000	8.46727E-02	61.717	8.46727E-02	0.54635	87.897	225.38	1260.1	0.00000	0.00000
58040000	8.46937E-02	61.717	8.46937E-02	0.54635	87.906	225.39	1260.1	0.00000	0.00000
58050000	8.47228E-02	61.716	8.47228E-02	0.54635	87.921	225.39	1260.1	0.00000	0.00000
58060000	8.47574E-02	61.716	8.47574E-02	0.54635	87.939	225.40	1260.2	0.00000	0.00000
58070000	8.47975E-02	61.716	8.47975E-02	0.54635	87.962	225.41	1260.2	0.00000	0.00000
60010000	8.49142E-02	61.714	8.49142E-02	0.60828	88.089	225.45	1259.6	0.00000	0.00000
60020000	8.67977E-02	61.677	8.67976E-02	0.60828	90.398	225.88	1246.2	0.00000	1.35902E-02
60030000	9.66826E-02	61.587	9.27060E-02	0.60828	95.927	226.42	1072.5	0.00000	-3.25648E-03
62010000	0.15280	61.625	9.33564E-02	0.54800	93.621	222.35	830.82	0.00000	-5.96675E-04
62020000	4.2754	61.710	9.47324E-02	0.54800	88.306	213.69	150.36	0.00000	2.91627E-03
64010000	60.589	61.716	9.32776E-02	0.90420	87.957	212.99	280.61	0.00000	6.05937E-07
66010000	61.703	61.715	8.58450E-02	0.82200	87.957	212.10	2228.1	0.00000	3.64804E-08
68010000	61.715	61.715	4.32788E-02	0.82200	87.957	1079.8	5041.2	0.00000	0.00000
69010000	61.714	61.714	3.60588E-02	2.2358	87.957	1077.1	5041.0	0.00000	0.00000
70010000	61.714	61.714	3.30925E-02	2.2358	87.957	1075.8	5041.0	0.00000	0.00000
71010000	61.714	61.714	3.23116E-02	2.2358	87.957	1075.4	5041.0	0.00000	0.00000
73010000	61.708	61.714	5.19943E-02	600.33	87.953	220.37	2284.9	0.00000	5.74810E-08
75010000	6.24359E-02	61.910	4.98555E-02	199.98	74.639	225.89	949.39	0.00000	-6.65238E-06
76010000	0.69881	53.697	0.56869	0.10050	373.15	1096.1	1363.6	0.00000	-25.263
76020000	0.54885	54.545	0.43703	0.10050	350.53	1100.0	1352.2	0.00000	-17.416
76030000	0.48298	54.954	0.37954	0.10050	339.25	1103.1	1344.7	0.00000	-11.732
76040000	0.43645	55.253	0.34023	0.10050	330.84	1105.7	1340.7	0.00000	-6.6615
79010000	8.8630	33.148	8.8630	0.11760	740.99	1014.1	1087.7	0.00000	-1.07364E-04
81010000	8.8674	33.146	8.8674	8.65830E-02	741.00	1014.0	1087.5	0.00000	-1.25399E-04
83010000	8.8440	33.072	8.8440	7.93800E-02	741.85	1014.8	1378.0	0.00000	0.00000
83020000	8.8859	33.072	8.8859	9.37860E-02	741.84	1014.0	1384.4	0.00000	0.00000
85010000	8.8928	33.060	8.8928	0.10334	741.98	1013.9	1384.2	0.00000	0.00000
85020000	8.8451	33.060	8.8451	0.10334	741.99	1014.8	1377.9	0.00000	0.00000
87010000	8.8819	33.133	8.8819	8.58480E-02	741.15	1013.7	1086.7	0.00000	-1.78854E-04
89010000	8.8893	33.119	8.8893	0.11539	741.31	1013.6	1086.3	0.00000	-1.63786E-04
91010000	8.9054	33.121	8.9054	0.15787	741.29	1013.2	1085.5	0.00000	-2.58594E-04
91020000	8.8995	33.120	8.8995	0.15787	741.30	1013.3	1085.8	0.00000	-2.26855E-04

91030000	8.8937	33.119	8.8936	0.15787	741.31	1013.5	1086.1	0.00000	-1.91360E-04
93010000	6.82358E-02	61.768	6.67834E-02	9000.0	84.453	226.10	1072.9	0.00000	4.75033E-04
95010000	0.42259	55.312	0.32800	0.10251	329.16	1110.3	1341.6	0.00000	1.8896
96010000	0.52753	54.541	0.41760	0.16944	350.64	1113.1	1361.0	0.00000	3.0680
97010000	0.38307	55.642	0.29640	0.12140	319.74	1106.2	1334.5	0.00000	-3.5755
99010000	8.8356	33.218	8.8356	0.11760	740.18	1014.2	1089.0	0.00000	-2.42168E-04
101010000	8.8398	33.216	8.8398	8.65830E-02	740.21	1014.1	1088.8	0.00000	-2.61945E-04
103010000	8.8506	33.198	8.8506	0.10054	740.40	1014.0	1088.3	0.00000	-2.63415E-04
103020000	8.8467	33.202	8.8467	9.37860E-02	740.37	1014.1	1088.5	0.00000	-2.47877E-04
105010000	8.8658	33.176	8.8658	0.15155	740.66	1013.8	1087.6	0.00000	-2.68206E-04
105020000	8.8587	33.182	8.8587	0.15155	740.59	1013.9	1087.9	0.00000	-2.47289E-04
107010000	8.8728	33.170	8.8728	8.58480E-02	740.73	1013.6	1087.2	0.00000	-2.88136E-04
109010000	8.8815	33.151	8.8815	0.11539	740.94	1013.5	1086.8	0.00000	-2.56914E-04
111010000	8.9045	33.124	8.9045	0.15787	741.25	1013.1	1085.6	0.00000	-2.66664E-04
111020000	8.8960	33.134	8.8960	0.15787	741.14	1013.2	1085.9	0.00000	-2.66664E-04

76010000	0.69881	53.697	0.56869	0.10050	373.15	1096.1	1363.6	0.00000	-25.263
76020000	0.54885	54.545	0.43703	0.10050	350.53	1100.0	1352.2	0.00000	-17.416
76030000	0.48298	54.954	0.37954	0.10050	339.25	1103.1	1344.7	0.00000	-11.732
76040000	0.43645	55.253	0.34023	0.10050	330.84	1105.7	1340.7	0.00000	-6.6615
79010000	8.8630	33.148	8.8630	0.11760	740.99	1014.1	1087.7	0.00000	-1.07364E-04
81010000	8.8674	33.146	8.8674	8.65830E-02	741.00	1014.0	1087.5	0.00000	-1.25399E-04
83010000	8.8440	33.072	8.8440	7.93800E-02	741.85	1014.8	1378.0	0.00000	0.00000
83020000	8.8859	33.072	8.8859	9.37860E-02	741.84	1014.0	1384.4	0.00000	0.00000
85010000	8.8928	33.060	8.8928	0.10334	741.98	1013.9	1384.2	0.00000	0.00000
85020000	8.8451	33.060	8.8451	0.10334	741.99	1014.8	1377.9	0.00000	0.00000
87010000	8.8819	33.133	8.8819	8.58480E-02	741.15	1013.7	1086.7	0.00000	-1.78854E-04
89010000	8.8893	33.119	8.8893	0.11539	741.31	1013.6	1086.3	0.00000	-1.63786E-04
91010000	8.9054	33.121	8.9054	0.15787	741.29	1013.2	1085.5	0.00000	-2.58594E-04
91020000	8.8995	33.120	8.8995	0.15787	741.30	1013.3	1085.8	0.00000	-2.26855E-04
91030000	8.8937	33.119	8.8936	0.15787	741.31	1013.5	1086.1	0.00000	-1.91360E-04
93010000	6.82358E-02	61.768	6.67834E-02	9000.0	84.453	226.10	1072.9	0.00000	4.75033E-04
95010000	0.42259	55.312	0.32800	0.10251	329.16	1110.3	1341.6	0.00000	1.8896
96010000	0.52753	54.541	0.41760	0.16944	350.64	1113.1	1361.0	0.00000	3.0680
97010000	0.38307	55.642	0.29640	0.12140	319.74	1106.2	1334.5	0.00000	-3.5755
99010000	8.8356	33.218	8.8356	0.11760	740.18	1014.2	1089.0	0.00000	-2.42168E-04
101010000	8.8398	33.216	8.8398	8.65830E-02	740.21	1014.1	1088.8	0.00000	-2.61945E-04
103010000	8.8506	33.198	8.8506	0.10054	740.40	1014.0	1088.3	0.00000	-2.63415E-04
103020000	8.8467	33.202	8.8467	9.37860E-02	740.37	1014.1	1088.5	0.00000	-2.47877E-04
105010000	8.8658	33.176	8.8658	0.15155	740.66	1013.8	1087.6	0.00000	-2.68206E-04
105020000	8.8587	33.182	8.8587	0.15155	740.59	1013.9	1087.9	0.00000	-2.47289E-04
107010000	8.8728	33.170	8.8728	8.58480E-02	740.73	1013.6	1087.2	0.00000	-2.88136E-04
109010000	8.8815	33.151	8.8815	0.11539	740.94	1013.5	1086.8	0.00000	-2.56914E-04
111010000	8.9045	33.124	8.9045	0.15787	741.25	1013.1	1085.6	0.00000	-2.68664E-04
111020000	8.8960	33.134	8.8960	0.15787	741.14	1013.3	1086.0	0.00000	-2.66204E-04
111030000	8.8877	33.144	8.8877	0.15787	741.03	1013.4	1086.4	0.00000	-2.60347E-04
113010000	8.9418	33.006	8.9418	0.00000	742.59	1013.1	1083.2	0.00000	10.976
114010000	6.5430	55.382	0.34487	0.31455	327.27	1060.8	207.97	0.00000	-8.9164
114020000	8.0745	55.378	0.36003	0.31455	327.41	1031.3	181.82	0.00000	-11.561
114030000	23.042	55.461	0.38745	0.31455	325.17	982.99	102.83	0.00000	-15.165
136010000	0.44013	55.202	0.34236	0.17165	332.29	1108.8	1342.2	0.00000	-2.6396
178010000	6.2773	38.917	5.3476	1.56400E-02	663.72	1068.0	1156.5	0.00000	0.00000
193010000	6.87361E-02	61.782	6.65869E-02	9000.0	83.585	224.76	1065.7	0.00000	3.43700E-03
195010000	5.2573	55.685	0.31880	0.12462	318.59	1096.0	211.69	0.00000	-47.840
195020000	5.2257	57.073	0.17179	0.11656	276.64	1092.0	148.23	0.00000	-35.933
198010000	6.2410	38.964	5.3230	1.56400E-02	663.03	1068.3	1159.0	0.00000	0.00000

VOL.NO.	LRGST.MASS ERR.		REDUCE-QUALITY		REDUCE-EXTRAP.		REDUCE-MASS		REDUCE-PROPTY.		MIN.COURANT		REDUCE-COURANT	
	EDIT	TOTAL	EDIT	TOTAL	EDIT	TOTAL	EDIT	TOTAL	EDIT	TOTAL	EDIT	TOTAL	EDIT	TOTAL
1010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36010000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
36020000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
36030000	0	1	0	0	0	0	0	0	0	0	0	11	0	0
38010000	0	8	0	0	0	0	2	0	0	0	0	0	0	0
38020000	0	61	0	0	0	0	0	0	0	0	0	0	0	0
38030000	0	32	0	0	0	0	0	0	0	0	0	0	0	0
38040000	0	5	0	0	0	0	0	0	0	1	0	0	0	0
38050000	0	30	0	0	0	0	0	0	0	0	0	0	0	0
38060000	0	34	0	0	0	0	0	0	0	0	0	0	0	0
38070000	1	21	0	0	0	0	0	0	0	0	0	0	0	0
40010000	0	9	0	0	0	0	0	0	0	0	0	0	0	0
42010000	3	9	0	0	0	0	0	0	0	1	0	0	0	0
44010000	2	14	0	0	0	0	1	1	0	0	0	2	0	0
46010000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
46020000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
46030000	0	0	0	0	0	0	0	1	0	0	0	0	0	0
48010000	0	46	0	0	0	0	0	6	0	0	0	0	0	0
48020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48030000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48040000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
48050000	0	11	0	0	0	0	0	0	0	0	0	0	0	0
48060000	0	8	0	0	0	0	0	0	0	0	0	0	0	0
48070000	0	3	0	0	0	0	0	0	0	0	0	0	0	0
48080000	0	8	0	0	0	0	0	0	0	0	0	0	0	0
48090000	2	8	0	0	0	0	0	0	0	0	0	0	0	0
50010000	9	9	0	0	0	0	0	0	0	0	0	0	0	0
50020000	7	7	0	0	0	0	0	0	0	0	0	0	0	0
50030000	6	6	0	0	0	0	0	0	0	0	0	0	0	0
50040000	7	7	0	0	0	0	0	0	0	0	0	0	0	0
50050000	6	6	0	0	0	0	0	0	0	0	0	0	0	0
52010000	1	1	0	0	0	0	0	0	0	0	0	0	0	0
54010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54030000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54040000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54050000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54060000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54070000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54080000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54090000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54100000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54110000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54120000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54130000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54140000	0	0	0	0	0	0	0	0	0	0	0	0	0	0

48010000	0	46	0	0	0	0	0	6	0	0	0	0	0	0
48020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48030000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48040000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
48050000	0	11	0	0	0	0	0	0	0	0	0	0	0	0
48060000	0	8	0	0	0	0	0	0	0	0	0	0	0	0
48070000	0	3	0	0	0	0	0	0	0	0	0	0	0	0
48080000	0	8	0	0	0	0	0	0	0	0	0	0	0	0
48090000	2	8	0	0	0	0	0	0	0	0	0	0	0	0
50010000	9	9	0	0	0	0	0	0	0	0	0	0	0	0
50020000	7	7	0	0	0	0	0	0	0	0	0	0	0	0
50030000	6	6	0	0	0	0	0	0	0	0	0	0	0	0
50040000	7	7	0	0	0	0	0	0	0	0	0	0	0	0
50050000	6	6	0	0	0	0	0	0	0	0	0	0	0	0

52010000	1	1	0	0	0	0	0	0	0	0	0	0	0	0
54010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54030000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54040000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54050000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54060000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54070000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54080000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54090000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54100000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54110000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54120000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54130000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54140000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54150000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54160000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54170000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54180000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54190000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54200000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54210000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54220000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54230000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54240000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54250000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54260000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54270000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54280000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54290000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54300000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54310000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54320000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54330000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54340000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54350000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54360000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54370000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54380000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54390000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54400000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54410000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54420000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54430000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54440000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54450000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54460000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54470000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54480000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54490000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54500000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54510000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54520000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54530000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54540000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54550000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54560000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54570000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54580000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54590000	0	0	0	0	0	0	0	0	0	0	0	0	0	0

54600000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54610000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54620000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54630000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54640000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54650000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54660000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54670000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54680000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54690000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54700000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54710000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54720000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54730000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54740000	0	0	0	0	0	0	0	0	0	0	0	0	0	0

54460000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54470000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54480000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54490000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54500000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54510000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54520000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54530000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54540000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54550000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54560000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54570000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54580000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54590000	0	0	0	0	0	0	0	0	0	0	0	0	0	0

54600000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54610000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54620000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54630000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54640000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54650000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54660000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54670000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54680000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54690000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54700000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54710000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54720000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54730000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54740000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54750000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54760000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54770000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54780000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54790000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54800000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54810000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54820000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54830000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54840000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54850000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54860000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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54880000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54890000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54900000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54910000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54920000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54930000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54940000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54950000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56030000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56040000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56050000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56060000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56070000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56080000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56090000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56100000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56110000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56120000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56130000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56140000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56150000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56160000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56170000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56180000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56190000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56200000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56210000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56220000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56230000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56240000	0	0	0	0	0	0	0	0	0	0	0	0	0	0

56250000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56260000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56270000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56280000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56290000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56300000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56310000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56320000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56330000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56340000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56350000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58030000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58040000	0	0	0	0	0	0	0	0	0	0	0	0	0	0

56110000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56120000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56130000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56140000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56150000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56160000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56170000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56180000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56190000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56200000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56210000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56220000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56230000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56240000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56250000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56260000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56270000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56280000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56290000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56300000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56310000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56320000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56330000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56340000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56350000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58030000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58040000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58050000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58060000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58070000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60030000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62020000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
64010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75010000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
76010000	0	2	0	0	0	0	0	0	0	0	0	20	0	0
76020000	0	10	0	0	0	0	0	1	0	0	0	28	0	0
76030000	0	28	0	0	0	0	0	0	0	0	0	121	0	0
76040000	0	1	0	0	0	0	0	0	0	0	136	423	14	108
79010000	0	14	0	0	0	0	0	0	0	0	0	0	0	0
81010000	0	3	0	0	0	0	0	0	0	0	0	0	0	0
83010000	0	5	0	0	0	0	0	0	0	0	0	0	0	0
83020000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
85010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85020000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
87010000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
89010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91030000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95010000	0	34	0	0	0	0	0	2	0	0	0	0	0	0
96010000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
97010000	0	1	0	0	0	0	0	0	0	0	70	105	7	17
99010000	0	4	0	0	0	0	0	0	0	0	0	0	0	0
101010000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
103010000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
103020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105010000	0	6	0	0	0	0	0	0	0	0	0	0	0	0
105020000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
107010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111030000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114020000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
114030000	0	7	0	0	0	0	0	0	0	0	0	0	0	0
136010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178010000	0	8	0	0	0	0	0	0	0	0	0	3	0	0
193010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195010000	2	6	0	0	0	0	0	0	0	0	0	0	0	0
195020000	160	215	0	2	0	0	3	10	0	1	0	1	0	1
198010000	0	5	0	0	0	0	0	0	0	0	0	0	0	0

JUN.NO.	FROM VOL.	TO VOL.	LIQ. VEL. (FT/SEC)	VAP. VEL. (FT/SEC)	MASS FLOW (LB/SEC)	JUN.AREA (FT2)	THROAT RATIO	JUNCTION FLAGS	CHOKE FLAG	NO.ADVS.CHOKED EDIT	TOTAL

93010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95010000	0	34	0	0	0	0	0	2	0	0	0	0	0	0
96010000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
97010000	0	1	0	0	0	0	0	0	0	0	70	105	7	17
99010000	0	4	0	0	0	0	0	0	0	0	0	0	0	0
101010000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
103010000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
103020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105010000	0	6	0	0	0	0	0	0	0	0	0	0	0	0
105020000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
107010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111030000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114020000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
114030000	0	7	0	0	0	0	0	0	0	0	0	0	0	0
136010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178010000	0	8	0	0	0	0	0	0	0	0	0	0	0	0
193010000	0	0	0	0	0	0	0	0	0	0	0	3	0	0
195010000	2	6	0	0	0	0	0	0	0	0	0	0	0	0
195020000	160	215	0	2	0	0	3	10	0	1	0	1	0	1
198010000	0	5	0	0	0	0	0	0	0	0	0	0	0	0

JUN.NO.	FROM VOL.	TO VOL.	LIQ. VEL. (FT/SEC)	VAP. VEL. (FT/SEC)	MASS FLOW (LB/SEC)	JUN.AREA (FT2)	THROAT RATIO	JUNCTION FLAGS	CHOKE FLAG	NO.ADVS.CHOKED EDIT	TOTAL
C-36 PIPE COMPONENT											
36010000	36010000	36020000	769.04	769.04	110.35	0.20100	1.0000	1000	0	0	0
36020000	36020000	36030000	967.14	967.14	110.35	0.20100	1.0000	1000	0	0	0
C-96-040 SNGLJUN COMPONENT											
37000000	96010000	40010000	262.13	262.13	27.745	0.20100	1.0000	0	0	0	10
C-38 PIPE COMPONENT											
38010000	38010000	38020000	88.312	88.312	26.157	0.54800	1.0000	1000	0	0	0
38020000	38020000	38030000	85.276	85.276	25.250	0.54800	1.0000	1000	0	0	0
38030000	38030000	38040000	82.390	82.390	24.385	0.54800	1.0000	1000	0	0	0
38040000	38040000	38050000	79.732	79.732	23.584	0.54800	1.0000	1000	0	0	0
38050000	38050000	38060000	103.80	77.098	23.762	0.54800	1.0000	1000	0	0	0
38060000	38060000	38070000	83.013	71.737	120.28	0.54800	1.0000	1000	0	0	0
C-40-38 SNGLJUN COMPONENT											
39000000	40010000	38010000	133.47	133.47	27.116	0.37500	1.0000	1000	0	0	0
C-38-42 SNGLJUN COMPONENT											
41000000	38070000	42010000	32.577	19.359	428.41	0.54800	1.0000	1000	0	0	0
C-42-44 SNGLJUN COMPONENT											
43000000	42010000	44010000	84.666	16.995	519.14	0.20100	1.0000	100	0	40	148
C-44-46 SNGLJUN COMPONENT											
45000000	44010000	46010000	436.11	719.44	379.55	0.20100	1.0000	100	0	36	129
C-46 PIPE COMPONENT											
46010000	46010000	46020000	161.18	162.27	378.17	0.54800	1.0000	1000	0	0	0
46020000	46020000	46030000	159.73	127.12	388.60	0.54800	1.0000	1000	0	0	0
C-46-48 SNGLJUN COMPONENT											
47000000	46030000	114010000	143.19	101.15	413.34	0.54800	1.0000	1000	0	0	0
C-48 PIPE COMPONENT											
48010000	48010000	48020000	120.35	269.71	191.48	0.54800	1.0000	1000	0	0	0
48020000	48020000	48030000	202.08	299.78	149.56	0.54800	1.0000	1000	0	0	0
48030000	48030000	48040000	299.17	308.88	152.79	0.54800	1.0000	1000	0	0	0
48040000	48040000	48050000	328.70	328.72	165.68	0.54800	1.0000	1000	0	0	0
48050000	48050000	48060000	336.48	336.48	173.39	0.54800	1.0000	1000	0	0	0
48060000	48060000	48070000	338.20	338.20	174.27	0.54800	1.0000	1000	0	0	0
48070000	48070000	48080000	337.06	337.06	168.85	0.54800	1.0000	1000	0	0	0
48080000	48080000	48090000	332.96	332.96	157.82	0.54800	1.0000	1000	0	0	0
C-48-50 SNGLJUN COMPONENT											
49000000	48090000	50010000	325.24	325.24	142.72	0.54800	1.0000	1000	0	0	0
C-50 PIPE COMPONENT											
50010000	50010000	50020000	331.81	331.81	126.98	0.54800	1.0000	1000	0	0	0
50020000	50020000	50030000	330.83	330.83	112.22	0.54800	1.0000	1000	0	0	0
50030000	50030000	50040000	326.91	326.91	98.896	0.54800	1.0000	1000	0	0	0
50040000	50040000	50050000	321.87	321.87	87.093	0.54800	1.0000	1000	0	0	0
C-50-52 SNGLJUN COMPONENT											
51000000	50050000	52010000	316.22	316.22	76.683	0.54800	1.0000	1000	0	0	0
C-52-54 SNGLJUN COMPONENT											
53000000	52010000	54010000	310.26	310.26	67.877	0.54800	1.0000	1000	0	0	0
C-54 PIPE COMPONENT											
54010000	54010000	54020000	327.13	327.13	60.312	0.54800	1.0000	1000	0	0	0
54020000	54020000	54030000	329.26	329.26	53.872	0.54800	1.0000	1000	0	0	0
54030000	54030000	54040000	328.85	328.85	48.234	0.54800	1.0000	1000	0	0	0
54040000	54040000	54050000	328.12	328.12	43.290	0.54800	1.0000	1000	0	0	0
54050000	54050000	54060000	327.41	327.41	38.990	0.54800	1.0000	1000	0	0	0
54060000	54060000	54070000	326.74	326.74	35.293	0.54800	1.0000	1000	0	0	0
54070000	54070000	54080000	326.06	326.06	32.176	0.54800	1.0000	1000	0	0	0
54080000	54080000	54090000	325.37	325.37	29.665	0.54800	1.0000	1000	0	0	0
54090000	54090000	54100000	324.80	324.80	27.929	0.54800	1.0000	1000	0	0	0
54100000	54100000	54110000	324.60	324.60	27.467	0.54800	1.0000	1000	0	0	0
54110000	54110000	54120000	324.68	324.68	29.437	0.54800	1.0000	1000	0	0	0
54120000	54120000	54130000	324.28	324.28	36.151	0.54800	1.0000	1000	0	0	0
54130000	54130000	54140000	323.27	323.27	51.626	0.54800	1.0000	1000	0	0	0
54140000	54140000	54150000	332.44	332.44	84.931	0.54800	1.0000	1000	0	0	0

48070000	48070000	48080000	337.06	337.06	168.85	0.54800	1.0000	1000	0	0	0
48080000	48080000	48090000	332.96	332.96	157.82	0.54800	1.0000	1000	0	0	0
C-48-50 SNGLJUN COMPONENT											
49000000	48090000	50010000	325.24	325.24	142.72	0.54800	1.0000	1000	0	0	0
C-50 PIPE COMPONENT											
50010000	50010000	50020000	331.81	331.81	126.98	0.54800	1.0000	1000	0	0	0
50020000	50020000	50030000	330.83	330.83	112.22	0.54800	1.0000	1000	0	0	0
50030000	50030000	50040000	326.91	326.91	98.896	0.54800	1.0000	1000	0	0	0
50040000	50040000	50050000	321.87	321.87	87.093	0.54800	1.0000	1000	0	0	0
C-50-52 SNGLJUN COMPONENT											
51000000	50050000	52010000	316.22	316.22	76.683	0.54800	1.0000	1000	0	0	0
C-52-54 SNGLJUN COMPONENT											
53000000	52010000	34010000	310.26	310.26	67.877	0.54800	1.0000	1000	0	0	0
C-54 PIPE COMPONENT											
54010000	54010000	54020000	327.13	327.13	60.312	0.54800	1.0000	1000	0	0	0
54020000	54020000	54030000	329.26	329.26	53.872	0.54800	1.0000	1000	0	0	0
54030000	54030000	54040000	328.85	328.85	48.234	0.54800	1.0000	1000	0	0	0
54040000	54040000	54050000	328.12	328.12	43.290	0.54800	1.0000	1000	0	0	0
54050000	54050000	54060000	327.41	327.41	38.990	0.54800	1.0000	1000	0	0	0
54060000	54060000	54070000	326.74	326.74	35.293	0.54800	1.0000	1000	0	0	0
54070000	54070000	54080000	326.06	326.06	32.176	0.54800	1.0000	1000	0	0	0
54080000	54080000	54090000	325.37	325.37	29.665	0.54800	1.0000	1000	0	0	0
54090000	54090000	54100000	324.80	324.80	27.929	0.54800	1.0000	1000	0	0	0
54100000	54100000	54110000	324.60	324.60	27.467	0.54800	1.0000	1000	0	0	0
54110000	54110000	54120000	324.68	324.68	29.437	0.54800	1.0000	1000	0	0	0
54120000	54120000	54130000	324.28	324.28	36.151	0.54800	1.0000	1000	0	0	0
54130000	54130000	54140000	323.27	323.27	51.626	0.54800	1.0000	1000	0	0	0
54140000	54140000	54150000	332.44	332.44	84.931	0.54800	1.0000	1000	0	0	0
54150000	54150000	54160000	344.59	327.14	155.77	0.54800	1.0000	1000	0	0	0
54160000	54160000	54170000	348.66	330.30	287.27	0.54800	1.0000	1000	0	0	0
54170000	54170000	54180000	348.01	335.11	498.16	0.54800	1.0000	1000	0	0	0
54180000	54180000	54190000	344.19	343.49	784.82	0.54800	1.0000	1000	0	0	0
54190000	54190000	54200000	338.97	358.00	1106.0	0.54800	1.0000	1000	0	0	0
54200000	54200000	54210000	333.35	368.05	1384.0	0.54800	1.0000	1000	0	0	0
54210000	54210000	54220000	327.97	372.58	1533.6	0.54800	1.0000	1000	0	0	0
54220000	54220000	54230000	323.95	376.09	1507.3	0.54800	1.0000	1000	0	0	0
54230000	54230000	54240000	323.01	381.95	1327.6	0.54800	1.0000	1000	0	0	0
54240000	54240000	54250000	327.45	389.55	1073.4	0.54800	1.0000	1000	0	0	0
54250000	54250000	54260000	340.25	398.41	831.29	0.54800	1.0000	1000	0	0	0
54260000	54260000	54270000	364.52	402.22	657.16	0.54800	1.0000	1000	0	0	0
54270000	54270000	54280000	390.89	393.34	546.34	0.54800	1.0000	1000	0	0	0
54280000	54280000	54290000	408.77	408.81	465.54	0.54800	1.0000	1000	0	0	0
54290000	54290000	54300000	421.11	421.11	401.62	0.54800	1.0000	1000	0	0	0
54300000	54300000	54310000	430.08	430.08	350.18	0.54800	1.0000	1000	0	0	0
54310000	54310000	54320000	436.62	436.62	308.53	0.54800	1.0000	1000	0	0	0
54320000	54320000	54330000	441.39	441.39	274.30	0.54800	1.0000	1000	0	0	0
54330000	54330000	54340000	444.78	444.78	245.33	0.54800	1.0000	1000	0	0	0
54340000	54340000	54350000	447.33	447.33	219.86	0.54800	1.0000	1000	0	0	0
54350000	54350000	54360000	449.18	449.18	196.27	0.54800	1.0000	1000	0	0	0
54360000	54360000	54370000	450.52	450.52	173.65	0.54800	1.0000	1000	0	0	0
54370000	54370000	54380000	451.33	451.33	151.57	0.54800	1.0000	1000	0	0	0
54380000	54380000	54390000	451.72	451.72	130.19	0.54800	1.0000	1000	0	0	0
54390000	54390000	54400000	451.66	451.66	109.98	0.54800	1.0000	1000	0	0	0
54400000	54400000	54410000	451.21	451.21	91.593	0.54800	1.0000	1000	0	0	0
54410000	54410000	54420000	450.30	450.30	75.547	0.54800	1.0000	1000	0	0	0
54420000	54420000	54430000	448.81	448.81	62.131	0.54800	1.0000	1000	0	0	0
54430000	54430000	54440000	447.48	447.48	51.494	0.54800	1.0000	1000	0	0	0
54440000	54440000	54450000	446.19	446.19	43.331	0.54800	1.0000	1000	0	0	0
54450000	54450000	54460000	444.53	444.53	37.259	0.54800	1.0000	1000	0	0	0
54460000	54460000	54470000	442.58	442.58	32.877	0.54800	1.0000	1000	0	0	0
54470000	54470000	54480000	439.99	439.99	29.779	0.54800	1.0000	1000	0	0	0
54480000	54480000	54490000	436.16	436.16	27.595	0.54800	1.0000	1000	0	0	0
54490000	54490000	54500000	432.39	432.39	26.131	0.54800	1.0000	1000	0	0	0
54500000	54500000	54510000	428.06	428.06	25.069	0.54800	1.0000	1000	0	0	0
54510000	54510000	54520000	423.47	423.47	24.415	0.54800	1.0000	1000	0	0	0
54520000	54520000	54530000	406.46	406.46	22.278	0.54800	1.0000	1000	0	0	0
54530000	54530000	54540000	404.36	404.36	21.321	0.54800	1.0000	1000	0	0	0
54540000	54540000	54550000	400.44	400.44	20.668	0.54800	1.0000	1000	0	0	0
54550000	54550000	54560000	396.18	396.18	20.198	0.54800	1.0000	1000	0	0	0
54560000	54560000	54570000	392.05	392.05	19.838	0.54800	1.0000	1000	0	0	0
54570000	54570000	54580000	388.05	388.05	19.539	0.54800	1.0000	1000	0	0	0
54580000	54580000	54590000	383.99	383.99	19.260	0.54800	1.0000	1000	0	0	0
54590000	54590000	54600000	379.66	379.66	18.976	0.54800	1.0000	1000	0	0	0
54600000	54600000	54610000	374.95	374.95	18.674	0.54800	1.0000	1000	0	0	0
54610000	54610000	54620000	369.85	369.85	18.351	0.54800	1.0000	1000	0	0	0
54620000	54620000	54630000	364.44	364.44	18.012	0.54800	1.0000	1000	0	0	0
54630000	54630000	54640000	358.79	358.79	17.663	0.54800	1.0000	1000	0	0	0
54640000	54640000	54650000	353.00	353.00	17.308	0.54800	1.0000	1000	0	0	0
54650000	54650000	54660000	347.11	347.11	16.952	0.54800	1.0000	1000	0	0	0
54660000	54660000	54670000	341.11	341.11	16.593	0.54800	1.0000	1000	0	0	0
54670000	54670000	54680000	334.98	334.98	16.230	0.54800	1.0000	1000	0	0	0
54680000	54680000	54690000	328.66	328.66	15.860	0.54800	1.0000	1000	0	0	0
54690000	54690000	54700000	322.12	322.12	15.482	0.54800	1.0000	1000	0	0	0
54700000	54700000	54710000	315.36	315.36	15.096	0.54800	1.0000	1000	0	0	0
54710000	54710000	54720000	308.37	308.37	14.703	0.54800	1.0000	1000	0	0	0
54720000	54720000	54730000	301.16	301.16	14.303	0.54800	1.0000	1000	0	0	0
54730000	54730000	54740000	293.73	293.73	13.897	0.54800	1.0000	1000	0	0	0
54740000	54740000	54750000	286.09	286.09	13.485	0.54800	1.0000	1000	0	0	0
54750000	54750000	54760000	278.23	278.23	13.068	0.54800	1.0000	1000	0	0	0

54460000	54480000	54490000	436.16	436.16	27.595	0.54800	1.0000	1000	0	0	0
54490000	54490000	54500000	432.39	432.39	26.131	0.54800	1.0000	1000	0	0	0
54500000	54500000	54510000	428.06	428.06	25.069	0.54800	1.0000	1000	0	0	0
54510000	54510000	54520000	423.47	423.47	24.415	0.54800	1.0000	1000	0	0	0
54520000	54520000	54530000	406.46	406.46	22.278	0.54800	1.0000	1000	0	0	0
54530000	54530000	54540000	404.36	404.36	21.321	0.54800	1.0000	1000	0	0	0
54540000	54540000	54550000	400.44	400.44	20.668	0.54800	1.0000	1000	0	0	0
54550000	54550000	54560000	396.18	396.18	20.198	0.54800	1.0000	1000	0	0	0
54560000	54560000	54570000	392.05	392.05	19.838	0.54800	1.0000	1000	0	0	0
54570000	54570000	54580000	388.05	388.05	19.539	0.54800	1.0000	1000	0	0	0
54580000	54580000	54590000	383.99	383.99	19.260	0.54800	1.0000	1000	0	0	0
54590000	54590000	54600000	379.66	379.66	18.976	0.54800	1.0000	1000	0	0	0
54600000	54600000	54610000	374.95	374.95	18.674	0.54800	1.0000	1000	0	0	0
54610000	54610000	54620000	369.85	369.85	18.351	0.54800	1.0000	1000	0	0	0
54620000	54620000	54630000	364.44	364.44	18.012	0.54800	1.0000	1000	0	0	0
54630000	54630000	54640000	358.79	358.79	17.663	0.54800	1.0000	1000	0	0	0
54640000	54640000	54650000	353.00	353.00	17.308	0.54800	1.0000	1000	0	0	0
54650000	54650000	54660000	347.11	347.11	16.952	0.54800	1.0000	1000	0	0	0
54660000	54660000	54670000	341.11	341.11	16.593	0.54800	1.0000	1000	0	0	0
54670000	54670000	54680000	334.98	334.98	16.230	0.54800	1.0000	1000	0	0	0
54680000	54680000	54690000	328.66	328.66	15.860	0.54800	1.0000	1000	0	0	0
54690000	54690000	54700000	322.12	322.12	15.482	0.54800	1.0000	1000	0	0	0
54700000	54700000	54710000	315.36	315.36	15.096	0.54800	1.0000	1000	0	0	0
54710000	54710000	54720000	308.37	308.37	14.703	0.54800	1.0000	1000	0	0	0
54720000	54720000	54730000	301.16	301.16	14.303	0.54800	1.0000	1000	0	0	0
54730000	54730000	54740000	293.73	293.73	13.897	0.54800	1.0000	1000	0	0	0
54740000	54740000	54750000	286.09	286.09	13.485	0.54800	1.0000	1000	0	0	0
54750000	54750000	54760000	278.23	278.23	13.069	0.54800	1.0000	1000	0	0	0
54760000	54760000	54770000	270.16	270.16	12.648	0.54800	1.0000	1000	0	0	0
54770000	54770000	54780000	261.88	261.88	12.222	0.54800	1.0000	1000	0	0	0
54780000	54780000	54790000	253.39	253.39	11.793	0.54800	1.0000	1000	0	0	0
54790000	54790000	54800000	244.70	244.70	11.360	0.54800	1.0000	1000	0	0	0
54800000	54800000	54810000	235.82	235.82	10.925	0.54800	1.0000	1000	0	0	0
54810000	54810000	54820000	226.75	226.75	10.487	0.54800	1.0000	1000	0	0	0
54820000	54820000	54830000	217.52	217.52	10.046	0.54800	1.0000	1000	0	0	0
54830000	54830000	54840000	208.13	208.13	9.6031	0.54800	1.0000	1000	0	0	0
54840000	54840000	54850000	198.62	198.62	9.1588	0.54800	1.0000	1000	0	0	0
54850000	54850000	54860000	188.99	188.99	8.7134	0.54800	1.0000	1000	0	0	0
54860000	54860000	54870000	179.30	179.30	8.2681	0.54800	1.0000	1000	0	0	0
54870000	54870000	54880000	169.58	169.58	7.8239	0.54800	1.0000	1000	0	0	0
54880000	54880000	54890000	159.88	159.88	7.3822	0.54800	1.0000	1000	0	0	0
54890000	54890000	54900000	150.22	150.22	6.9444	0.54800	1.0000	1000	0	0	0
54900000	54900000	54910000	140.67	140.67	6.5117	0.54800	1.0000	1000	0	0	0
54910000	54910000	54920000	131.25	131.25	6.0854	0.54800	1.0000	1000	0	0	0
54920000	54920000	54930000	121.99	121.99	5.6663	0.54800	1.0000	1000	0	0	0
54930000	54930000	54940000	112.91	112.91	5.2550	0.54800	1.0000	1000	0	0	0
54940000	54940000	54950000	104.03	104.03	4.8519	0.54800	1.0000	1000	0	0	0
C-54-56	SNGLJUN	COMPONENT									
55000000	54950000	56010000	95.361	95.361	4.4573	0.54800	1.0000	1000	0	0	0
C-56	PIPE	COMPONENT									
56010000	56010000	56020000	81.965	81.965	3.8389	0.54800	1.0000	1000	0	0	0
56020000	56020000	56030000	69.037	69.037	3.2459	0.54800	1.0000	1000	0	0	0
56030000	56030000	56040000	56.863	56.863	2.6843	0.54800	1.0000	1000	0	0	0
56040000	56040000	56050000	45.661	45.661	2.1641	0.54800	1.0000	1000	0	0	0
56050000	56050000	56060000	35.702	35.702	1.6983	0.54800	1.0000	1000	0	0	0
56060000	56060000	56070000	27.222	27.222	1.2989	0.54800	1.0000	1000	0	0	0
56070000	56070000	56080000	20.317	20.317	0.97162	0.54800	1.0000	1000	0	0	0
56080000	56080000	56090000	14.872	14.872	0.71224	0.54800	1.0000	1000	0	0	0
56090000	56090000	56100000	10.588	10.588	0.50745	0.54800	1.0000	1000	0	0	0
56100000	56100000	56110000	7.1081	7.1081	0.34070	0.54800	1.0000	1000	0	0	0
56110000	56110000	56120000	4.1649	4.1649	0.19959	0.54800	1.0000	1000	0	0	0
56120000	56120000	56130000	1.6679	1.6679	7.99032E-02	0.54800	1.0000	1000	0	0	0
56130000	56130000	56140000	-0.32875	-0.32875	-1.57285E-02	0.54800	1.0000	1000	0	0	0
56140000	56140000	56150000	-1.7171	-1.7171	-8.20527E-02	0.54800	1.0000	1000	0	0	0
56150000	56150000	56160000	-2.4484	-2.4484	-0.11680	0.54800	1.0000	1000	0	0	0
56160000	56160000	56170000	-2.6374	-2.6374	-0.12557	0.54800	1.0000	1000	0	0	0
56170000	56170000	56180000	-2.5453	-2.5453	-0.12092	0.54800	1.0000	1000	0	0	0
56180000	56180000	56190000	-2.4902	-2.4902	-0.11806	0.54800	1.0000	1000	0	0	0
56190000	56190000	56200000	-2.7136	-2.7136	-0.12842	0.54800	1.0000	1000	0	0	0
56200000	56200000	56210000	-3.2921	-3.2921	-0.15556	0.54800	1.0000	1000	0	0	0
56210000	56210000	56220000	-4.1393	-4.1393	-0.19532	0.54800	1.0000	1000	0	0	0
56220000	56220000	56230000	-5.0812	-5.0812	-0.23945	0.54800	1.0000	1000	0	0	0
56230000	56230000	56240000	-5.9486	-5.9486	-0.27993	0.54800	1.0000	1000	0	0	0
56240000	56240000	56250000	-6.6341	-6.6341	-0.31171	0.54800	1.0000	1000	0	0	0
56250000	56250000	56260000	-7.1076	-7.1076	-0.33340	0.54800	1.0000	1000	0	0	0
56260000	56260000	56270000	-7.4055	-7.4055	-0.34679	0.54800	1.0000	1000	0	0	0
56270000	56270000	56280000	-7.5994	-7.5994	-0.35528	0.54800	1.0000	1000	0	0	0
56280000	56280000	56290000	-7.7530	-7.7530	-0.36190	0.54800	1.0000	1000	0	0	0
56290000	56290000	56300000	-7.8877	-7.8877	-0.36767	0.54800	1.0000	1000	0	0	0
56300000	56300000	56310000	-7.9867	-7.9867	-0.37183	0.54800	1.0000	1000	0	0	0
56310000	56310000	56320000	-8.0267	-8.0267	-0.37330	0.54800	1.0000	1000	0	0	0
56320000	56320000	56330000	-8.0022	-8.0022	-0.37185	0.54800	1.0000	1000	0	0	0
56330000	56330000	56340000	-7.9187	-7.9187	-0.36773	0.54800	1.0000	1000	0	0	0
56340000	56340000	56350000	-7.7725	-7.7725	-0.36079	0.54800	1.0000	1000	0	0	0
C-56-58	SNGLJUN	COMPONENT									
57000000	56350000	58010000	-7.5484	-7.5484	-0.35028	0.54800	1.0000	1000	0	0	0
C-58	PIPE	COMPONENT									
58010000	58010000	58020000	-7.1966	-7.1966	-0.33392	0.54800	1.0000	1000	0	0	0

56100000	56100000	56110000	7.1081	7.1081	0.34070	0.54800	1.0000	1000	0	0	0
56110000	56110000	56120000	4.1649	4.1649	0.19959	0.54800	1.0000	1000	0	0	0
56120000	56120000	56130000	1.6679	1.6679	7.99032E-02	0.54800	1.0000	1000	0	0	0
56130000	56130000	56140000	-0.32875	-0.32875	-1.57285E-02	0.54800	1.0000	1000	0	0	0
56140000	56140000	56150000	-1.7171	-1.7171	-8.20527E-02	0.54800	1.0000	1000	0	0	0
56150000	56150000	56160000	-2.4484	-2.4484	-0.11680	0.54800	1.0000	1000	0	0	0
56160000	56160000	56170000	-2.6374	-2.6374	-0.12557	0.54800	1.0000	1000	0	0	0
56170000	56170000	56180000	-2.5453	-2.5453	-0.12092	0.54800	1.0000	1000	0	0	0
56180000	56180000	56190000	-2.4902	-2.4902	-0.11806	0.54800	1.0000	1000	0	0	0
56190000	56190000	56200000	-2.7136	-2.7136	-0.12842	0.54800	1.0000	1000	0	0	0
56200000	56200000	56210000	-3.2921	-3.2921	-0.15556	0.54800	1.0000	1000	0	0	0
56210000	56210000	56220000	-4.1393	-4.1393	-0.19532	0.54800	1.0000	1000	0	0	0
56220000	56220000	56230000	-5.0812	-5.0812	-0.23945	0.54800	1.0000	1000	0	0	0
56230000	56230000	56240000	-5.9486	-5.9486	-0.27993	0.54800	1.0000	1000	0	0	0
56240000	56240000	56250000	-6.6341	-6.6341	-0.31171	0.54800	1.0000	1000	0	0	0
56250000	56250000	56260000	-7.1076	-7.1076	-0.33340	0.54800	1.0000	1000	0	0	0
56260000	56260000	56270000	-7.4055	-7.4055	-0.34679	0.54800	1.0000	1000	0	0	0
56270000	56270000	56280000	-7.5994	-7.5994	-0.35528	0.54800	1.0000	1000	0	0	0
56280000	56280000	56290000	-7.7530	-7.7530	-0.36190	0.54800	1.0000	1000	0	0	0
56290000	56290000	56300000	-7.8877	-7.8877	-0.36767	0.54800	1.0000	1000	0	0	0
56300000	56300000	56310000	-7.9867	-7.9867	-0.37183	0.54800	1.0000	1000	0	0	0
56310000	56310000	56320000	-8.0267	-8.0267	-0.37330	0.54800	1.0000	1000	0	0	0
56320000	56320000	56330000	-8.0022	-8.0022	-0.37185	0.54800	1.0000	1000	0	0	0
56330000	56330000	56340000	-7.9187	-7.9187	-0.36773	0.54800	1.0000	1000	0	0	0
56340000	56340000	56350000	-7.7725	-7.7725	-0.36079	0.54800	1.0000	1000	0	0	0
C-56-58	SNGLJUN	COMPONENT									
57000000	56350000	58010000	-7.5484	-7.5484	-0.35028	0.54800	1.0000	1000	0	0	0
C-58	PIPE	COMPONENT									
58010000	58010000	58020000	-7.1966	-7.1966	-0.33392	0.54800	1.0000	1000	0	0	0
58020000	58020000	58030000	-6.7493	-6.7493	-0.31321	0.54800	1.0000	1000	0	0	0
58030000	58030000	58040000	-6.2221	-6.2221	-0.28882	0.54800	1.0000	1000	0	0	0
58040000	58040000	58050000	-5.6094	-5.6094	-0.26048	0.54800	1.0000	1000	0	0	0
58050000	58050000	58060000	-4.9061	-4.9061	-0.22792	0.54800	1.0000	1000	0	0	0
58060000	58060000	58070000	-4.1057	-4.1057	-0.19083	0.54800	1.0000	1000	0	0	0
C-58-60	SNGLJUN	COMPONENT									
59000000	58070000	60010000	-3.1856	-3.1856	-0.14827	0.54800	1.0000	1000	0	0	0
C-60	PIPE	COMPONENT									
60010000	60010000	60020000	-2.0711	-2.0711	-9.85101E-02	0.54800	1.0000	1000	0	0	0
60020000	60020000	60030000	-2.0057	-2.0057	-0.10629	0.54800	1.0000	1000	0	0	0
C-60-62	SNGLJUN	COMPONENT									
61000000	60030000	62010000	-0.54045	-0.54045	-4.52769E-02	0.54800	1.0000	1000	0	0	0
C-62	PIPE	COMPONENT									
62010000	62010000	62020000	1.8535	0.83660	0.10328	0.54800	1.0000	1000	0	0	0
C-62-64	SNGLJUN	COMPONENT									
63000000	62020000	64010000	0.99502	2.1990	2.3901	0.54800	1.0000	1000	0	0	0
C-64-66	SNGLJUN	COMPONENT									
65000000	64010000	66010000	2.2315	2.2315	74.115	0.54800	1.0000	1000	0	0	0
C-66-68	SNGLJUN	COMPONENT									
67000000	66010000	68010000	2.2337	2.2337	75.530	0.54800	1.0000	1000	0	0	0
C-69	BRANCH	COMPONENT									
69010000	68010000	69010000	2.2333	2.2333	75.531	0.54800	1.0000	1000	0	0	0
69020000	69010000	73010000	3.2704	3.2704	55.101	0.27300	1.0000	0	0	0	0
69030000	69010000	70010000	0.59908	0.59908	20.261	0.54800	1.0000	1000	0	0	0
C-70	BRANCH	COMPONENT									
70010000	70010000	73010000	0.88834	0.88834	14.967	0.27300	1.0000	0	0	0	0
70020000	70010000	71010000	0.15050	0.15050	5.0900	0.54800	1.0000	1000	0	0	0
C-71-73	SNGLJUN	COMPONENT									
72000000	71010000	73010000	0.27737	0.27737	4.8786	0.28500	1.0000	0	0	0	0
C-73-75	SNGLJUN	COMPONENT									
74000000	73010000	75010000	-0.18412	0.14204	-607.19	106.60	1.0000	1000	0	0	0
C-76	PIPE	COMPONENT									
76010000	76010000	76020000	785.01	785.01	110.56	0.20100	1.0000	1000	0	0	0
76020000	76020000	76030000	1002.9	1002.9	110.74	0.20100	1.0000	1000	0	0	0
76030000	76030000	76040000	1140.2	1140.2	110.61	0.20100	1.0000	1000	0	0	0
C-76-044	SNGLJUN	COMPONENT									
77000000	76040000	44010000	1261.3	1261.3	110.70	0.20100	1.0000	100	0	80	498
C178-76	VALVE	COMPONENT									
78000000	178010000	76010000	981.85	1040.7	109.73	1.70000E-02	1.0000	100	1	206	715
C-81-79	SNGLJUN	COMPONENT									
80000000	81010000	79010000	84.862	84.862	110.62	0.14700	1.0000	1000	0	0	0
C-83-81	SNGLJUN	COMPONENT									
82000000	83020000	81010000	84.676	84.676	110.61	0.14700	1.0000	1000	0	0	0
C-83	PIPE	COMPONENT									
83010000	83010000	83020000	3.57712E-02	3.57712E-02	4.65053E-02	0.14700	1.0000	1000	0	0	0
C-85-83	SNGLJUN	COMPONENT									
84000000	83020000	85010000	-84.567	-84.567	-110.55	0.14700	1.0000	1000	0	0	0
C-85	PIPE	COMPONENT									
85010000	85010000	85020000	-4.31672E-02	-4.31672E-02	-5.61279E-02	0.14700	1.0000	1000	0	0	0
C-87-85	SNGLJUN	COMPONENT									
86000000	87010000	85010000	84.625	84.625	110.49	0.14700	1.0000	1000	0	0	0
C-89-87	SNGLJUN	COMPONENT									
88000000	89010000	87010000	84.560	84.560	110.50	0.14700	1.0000	1000	0	0	0
C-91-89	SNGLJUN	COMPONENT									
90000000	91030000	89010000	84.536	84.536	110.52	0.14700	1.0000	1000	0	0	0
C-91	PIPE	COMPONENT									
91010000	91010000	91020000	84.532	84.532	110.66	0.14700	1.0000	1000	0	0	0
91020000	91020000	91030000	84.522	84.522	110.57	0.14700	1.0000	1000	0	0	0
C-01-91	SNGLJUN	COMPONENT									

76010000	76010000	76020000	785.01	785.01	110.56	0.20100	1.0000	1000	0	0	0
76020000	76020000	76030000	1002.9	1002.9	110.74	0.20100	1.0000	1000	0	0	0
76030000	76030000	76040000	1140.2	1140.2	110.61	0.20100	1.0000	1000	0	0	0
C-76-044	SNGLJUN	COMPONENT									
77000000	76040000	44010000	1261.3	1261.3	110.70	0.20100	1.0000	100	0	80	498
C178-76	VALVE	COMPONENT									
78000000	178010000	76010000	981.85	1040.7	109.73	1.70000E-02	1.0000	100	1	206	715
C-81-79	SNGLJUN	COMPONENT									
80000000	81010000	79010000	84.862	84.862	110.62	0.14700	1.0000	1000	0	0	0
C-83-81	SNGLJUN	COMPONENT									
82000000	83020000	81010000	84.676	84.676	110.61	0.14700	1.0000	1000	0	0	0
C-83	PIPE	COMPONENT									
83010000	83010000	83020000	3.57712E-02	3.57712E-02	4.65053E-02	0.14700	1.0000	1000	0	0	0
C-85-83	SNGLJUN	COMPONENT									
84000000	83020000	85010000	-84.567	-84.567	-110.55	0.14700	1.0000	1000	0	0	0
C-85	PIPE	COMPONENT									
85010000	85010000	85020000	-4.31672E-02	-4.31672E-02	-5.61279E-02	0.14700	1.0000	1000	0	0	0
C-87-85	SNGLJUN	COMPONENT									
86000000	87010000	85010000	84.625	84.625	110.49	0.14700	1.0000	1000	0	0	0
C-89-87	SNGLJUN	COMPONENT									
88000000	89010000	87010000	84.560	84.560	110.50	0.14700	1.0000	1000	0	0	0
C-91-89	SNGLJUN	COMPONENT									
90000000	91030000	89010000	84.536	84.536	110.52	0.14700	1.0000	1000	0	0	0
C-91	PIPE	COMPONENT									
91010000	91010000	91020000	84.532	84.532	110.66	0.14700	1.0000	1000	0	0	0
91020000	91020000	91030000	84.522	84.522	110.57	0.14700	1.0000	1000	0	0	0
C-01-91	SNGLJUN	COMPONENT									
92000000	1010000	91010000	84.277	84.277	110.78	0.14700	1.0000	0	0	0	0
RD	VALVE	COMPONENT									
94000000	95010000	93010000	960.37	960.37	81.439	0.20100	0.81094	100	1	206	576
PR-2A	VALVE	COMPONENT									
98000000	198010000	36010000	1045.3	1046.2	111.24	1.70000E-02	1.0000	100	1	206	715
C-100	SNGLJUN	COMPONENT									
100000000	101010000	99010000	84.862	84.862	110.28	0.14700	1.0000	1000	0	0	0
C1-103	SNGLJUN	COMPONENT									
102000000	103020000	101010000	84.770	84.770	110.24	0.14700	1.0000	1000	0	0	0
C-103	PIPE	COMPONENT									
103010000	103010000	103020000	84.705	84.705	110.21	0.14700	1.0000	1000	0	0	0
C5-103	SNGLJUN	COMPONENT									
104000000	105020000	103010000	84.602	84.602	110.17	0.14700	1.0000	1000	0	0	0
C-105	PIPE	COMPONENT									
105010000	105010000	105020000	84.502	84.502	110.13	0.14700	1.0000	1000	0	0	0
C7-105	SNGLJUN	COMPONENT									
106000000	107010000	105010000	84.412	84.412	110.10	0.14700	1.0000	1000	0	0	0
C9-107	SNGLJUN	COMPONENT									
108000000	109010000	107010000	84.323	84.323	110.09	0.14700	1.0000	1000	0	0	0
C11-109	SNGLJUN	COMPONENT									
110000000	111030000	109010000	84.262	84.262	110.09	0.14700	1.0000	1000	0	0	0
C-111	PIPE	COMPONENT									
111010000	111010000	111020000	84.147	84.147	110.14	0.14700	1.0000	1000	0	0	0
111020000	111020000	111030000	84.196	84.196	110.10	0.14700	1.0000	1000	0	0	0
C13-111	SNGLJUN	COMPONENT									
112000000	113010000	111010000	83.849	83.849	110.21	0.14700	1.0000	0	0	0	0
C-114	PIPE	COMPONENT									
114010000	114010000	114020000	123.20	76.033	435.04	0.54800	1.0000	1000	0	0	0
114020000	114020000	114030000	101.58	45.372	440.20	0.54800	1.0000	1000	0	0	0
C-119	SNGLJUN	COMPONENT									
119000000	36030000	136010000	1083.5	1083.5	110.40	0.20100	1.0000	1000	0	0	0
C-120	SNGLJUN	COMPONENT									
120000000	136010000	97010000	1248.0	1248.0	110.41	0.20100	1.0000	100	1	206	537
C-121	SNGLJUN	COMPONENT									
121000000	97010000	96010000	369.28	369.28	28.390	0.20100	1.0000	100	0	0	3
C-122	SNGLJUN	COMPONENT									
122000000	97010000	95010000	1063.1	1063.1	81.732	0.20100	0.92039	100	0	0	9
C-123	SNGLJUN	COMPONENT									
123000000	114030000	48010000	19.828	25.817	249.48	0.54800	0.25000	100	1	206	521
RD	VALVE	COMPONENT									
194000000	195020000	193010000	135.08	135.08	124.93	0.18800	0.86702	100	1	126	402
C-195	PIPE	COMPONENT									
195010000	195010000	195020000	252.99	238.53	248.24	0.18800	1.0000	0	1	99	109
C-44-195	SNGLJUN	COMPONENT									
196000000	44010000	195010000	304.93	405.54	259.34	0.20100	1.0000	100	0	0	0
V-INLET	SNGLJUN	COMPONENT									
278000000	79010000	178010000	734.25	734.25	110.63	1.70000E-02	1.0000	100	0	0	0
V-INLET	SNGLJUN	COMPONENT									
298000000	99010000	198010000	734.56	734.56	110.34	1.70000E-02	1.0000	100	0	0	0

JUN.NO.	RHOFJ (LB/FT3)	RHOGJ (LB/FT3)	MAP	REG	FIJ (LB.S/FT4)	VOIDGJ	VOIDD	VOIDT	CCAJ	FORMFJ	FORMGJ
36010000	53.594	0.57763	HRT	TCT	1.642E+17	0.997	0.941	0.941	0.000	0.00	0.00
36020000	54.406	0.44936	HRT	TCT	1.701E+17	0.997	0.470	0.470	0.000	0.00	0.00
37000000	54.547	0.41680	HRT	MST	1.714E+17	0.998	0.563	0.563	0.000	0.00	0.00
38010000	54.445	0.42959	HRT	MST	1.715E+17	0.997	1.00	1.00	0.000	0.00	0.00
38020000	54.444	0.42979	HRT	MST	1.716E+17	0.998	1.00	1.00	0.000	0.00	0.00
38030000	54.444	0.42982	HRT	MST	1.717E+17	0.999	1.00	1.00	1.316E-08	0.00	0.00
38040000	54.444	0.42974	HRT	MST	1.739E+17	0.998	1.00	1.00	3.630E-06	0.00	0.00
38050000	54.447	0.42959	HRT	MST	0.768	0.998	1.00	1.00	3.945E-04	0.00	0.00
38060000	54.548	0.43537	HRT	CTM	1.35	0.959	1.00	1.00	3.903E-02	0.00	0.00
39000000	54.442	0.43067	HRT	MST	1.731E+17	0.998	1.00	1.00	0.000	0.00	0.00

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120000000 136010000  97010000   1248.0      1248.0      110.41      0.20100      1.0000      100      1      206      537
C-121     SNGLJUN  COMPONENT
121000000  97010000  96010000    369.28      369.28      28.390      0.20100      1.0000      100      0        0        3
C-122     SNGLJUN  COMPONENT
122000000  97010000  95010000   1063.1      1063.1      81.732      0.20100      0.92039     100      0        0        9
C-123     SNGLJUN  COMPONENT
123000000 114030000  48010000    19.828      25.817      249.48      0.54800      0.25000     100      1      206      521
RD        VALVE    COMPONENT
194000000 195020000 193010000    135.08      135.08      124.93      0.18800      0.86702     100      1      126      402
C-195     PIPE     COMPONENT
195010000 195010000 195020000    252.99      238.53      248.24      0.18800      1.0000        0      1       99      109
C-44-195  SNGLJUN  COMPONENT
196000000  44010000 195010000    304.93      405.54      259.34      0.20100      1.0000      100      0        0        0
V-INLET   SNGLJUN  COMPONENT

278000000  79010000 178010000    734.25      734.25      110.63      1.70000E-02  1.0000      100      0        0        0
V-INLET   SNGLJUN  COMPONENT
298000000  99010000 198010000    734.56      734.56      110.34      1.70000E-02  1.0000      100      0        0        0
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JUN.NO.	RHOFJ (LB/FT3)	RHOGJ (LB/FT3)	MAP	REG	FIJ (LB.S/FT4)	VOIDGJ	VOIDD	VOIDT	CCAJ	FORMFJ	FORMGJ
36010000	53.594	0.57763	HRT	TCT	1.642E+17	0.997	0.941	0.941	0.000	0.00	0.00
36020000	54.406	0.44936	HRT	TCT	1.701E+17	0.997	0.470	0.470	0.000	0.00	0.00
37000000	54.547	0.41680	HRT	MST	1.714E+17	0.998	0.563	0.563	0.000	0.00	0.00
38010000	54.445	0.42959	HRT	MST	1.715E+17	0.997	1.00	1.00	0.000	0.00	0.00
38020000	54.444	0.42979	HRT	MST	1.716E+17	0.998	1.00	1.00	0.000	0.00	0.00
38030000	54.444	0.42982	HRT	MST	1.717E+17	0.998	1.00	1.00	1.316E-08	0.00	0.00
38040000	54.444	0.42974	HRT	MST	1.739E+17	0.998	1.00	1.00	3.630E-06	0.00	0.00
38050000	54.447	0.42959	HRT	MST	0.768	0.998	1.00	1.00	3.945E-04	0.00	0.00
38060000	54.548	0.43537	HRT	CTM	1.35	0.958	1.00	1.00	3.903E-02	0.00	0.00
39000000	54.442	0.43007	HRT	MST	1.713E+17	0.997	1.00	1.00	0.000	0.00	0.00
41000000	56.746	0.49281	HRT	CTT	62.4	0.580	1.00	1.00	0.367	0.00	0.00
43000000	57.651	0.64867	HRT	CTT	241.	0.471	0.144	5.283E-03	0.761	9.07E-03	1.98E+0
45000000	56.189	0.33073	HRT	CTM	7.162E-02	0.932	0.974	0.932	1.268E-02	4.44E-04	0.42
46010000	55.548	0.32511	HRT	CTM	78.3	0.928	0.631	0.631	1.584E-02	0.00	0.00
46020000	55.386	0.33340	HRT	CTM	2.75	0.924	1.00	1.00	2.127E-02	0.00	0.00
47000000	55.376	0.33732	HRT	CTM	6.70	0.908	1.00	1.00	3.431E-02	0.00	0.00
48010000	57.594	0.13744	HRT	MST	7.31	0.954	1.00	1.00	2.253E-02	0.00	0.00
48020000	57.807	0.12505	HRT	MST	4.23	0.979	1.00	1.00	2.141E-02	0.00	0.00
48030000	57.864	0.12170	HRT	MST	95.1	0.986	1.00	1.00	2.135E-02	0.00	0.00
48040000	58.002	0.11368	HRT	MST	2.557E+04	0.986	1.00	1.00	2.095E-02	0.00	0.00
48050000	58.074	0.10966	HRT	MST	3.866E+06	0.985	1.00	1.00	2.094E-02	0.00	0.00
48060000	58.115	0.10745	HRT	MST	4.338E+08	0.985	1.00	1.00	2.133E-02	0.00	0.00
48070000	58.142	0.10610	HRT	MST	3.552E+10	0.986	1.00	1.00	2.204E-02	0.00	0.00
48080000	58.162	0.10516	HRT	MST	2.177E+12	0.986	1.00	1.00	2.296E-02	0.00	0.00
49000000	58.178	0.10449	HRT	MST	1.844E+14	0.988	1.00	1.00	2.393E-02	0.00	0.00
50010000	58.247	0.10076	VRT	MST	1.312E+16	0.989	1.00	1.00	2.443E-02	0.00	0.00
50020000	58.286	9.87691E-02	VRT	MST	3.926E+16	0.991	1.00	1.00	2.485E-02	0.00	0.00
50030000	58.308	9.76564E-02	VRT	MST	6.168E+16	0.992	1.00	1.00	2.495E-02	0.00	0.00
50040000	58.321	9.69695E-02	VRT	MST	8.134E+16	0.993	1.00	1.00	2.467E-02	0.00	0.00
51000000	58.328	9.65431E-02	VRT	MST	9.815E+16	0.994	1.00	1.00	2.400E-02	0.00	0.00
53000000	58.331	9.63229E-02	HRT	MST	1.172E+17	0.994	1.00	1.00	2.304E-02	0.00	0.00
54010000	58.428	9.12228E-02	VRT	MST	1.337E+17	0.995	1.00	1.00	2.152E-02	0.00	0.00
54020000	58.453	8.99063E-02	VRT	MST	1.458E+17	0.996	1.00	1.00	2.007E-02	0.00	0.00
54030000	58.461	8.93553E-02	VRT	MST	1.561E+17	0.996	1.00	1.00	1.851E-02	0.00	0.00
54040000	58.466	8.89638E-02	VRT	MST	1.651E+17	0.997	1.00	1.00	1.689E-02	0.00	0.00
54050000	58.470	8.86327E-02	VRT	MST	1.729E+17	0.997	1.00	1.00	1.525E-02	0.00	0.00
54060000	58.473	8.83444E-02	VRT	MST	1.795E+17	0.998	1.00	1.00	1.363E-02	0.00	0.00
54070000	58.475	8.80959E-02	VRT	MST	1.849E+17	0.998	1.00	1.00	1.206E-02	0.00	0.00
54080000	58.477	8.78893E-02	VRT	MST	1.892E+17	0.998	1.00	1.00	1.058E-02	0.00	0.00
54090000	58.477	8.77212E-02	VRT	MST	1.907E+17	0.998	1.00	1.00	9.191E-03	0.00	0.00
54100000	58.478	8.75702E-02	VRT	MST	1.884E+17	0.998	1.00	1.00	7.915E-03	0.00	0.00
54110000	58.480	8.74047E-02	VRT	MST	1.780E+17	0.998	1.00	1.00	6.764E-03	0.00	0.00
54120000	58.482	8.72291E-02	VRT	MST	1.524E+17	0.998	1.00	1.00	5.756E-03	0.00	0.00
54130000	58.481	8.71832E-02	VRT	MST	9.902E+16	0.996	1.00	1.00	4.933E-03	0.00	0.00
54140000	58.476	8.73556E-02	VRT	MST	4.340E+15	0.993	1.00	1.00	4.385E-03	0.00	0.00
54150000	58.475	8.73933E-02	VRT	MST	5.746E-02	0.987	1.00	1.00	4.314E-03	0.00	0.00
54160000	58.475	8.74922E-02	VRT	CTM	6.302E-02	0.975	1.00	1.00	5.091E-03	0.00	0.00
54170000	58.476	8.76103E-02	VRT	CTM	5.619E-02	0.956	1.00	1.00	7.405E-03	0.00	0.00
54180000	58.482	8.77670E-02	VRT	CTM	7.895E-02	0.930	1.00	1.00	1.245E-02	0.00	0.00
54190000	58.488	8.84053E-02	VRT	CTM	0.194	0.899	1.00	1.00	2.245E-02	0.00	0.00
54200000	58.501	8.93873E-02	VRT	CTM	0.426	0.872	1.00	1.00	4.028E-02	0.00	0.00
54210000	58.532	9.04487E-02	VRT	CTM	0.739	0.855	1.00	1.00	6.730E-02	0.00	0.00
54220000	58.579	9.15172E-02	VRT	CTM	1.03	0.856	1.00	1.00	0.101	0.00	0.00
54230000	58.639	9.25831E-02	VRT	CTM	1.14	0.873	1.00	1.00	0.140	0.00	0.00
54240000	58.706	9.35391E-02	VRT	CTM	0.952	0.899	1.00	1.00	0.182	0.00	0.00
54250000	58.781	9.49383E-02	VRT	CTM	0.622	0.925	1.00	1.00	0.228	0.00	0.00
54260000	58.863	9.70153E-02	VRT	CTM	4.51	0.945	1.00	1.00	0.278	0.00	0.00
54270000	58.990	9.55062E-02	VRT	CTM	223.	0.956	1.00	1.00	0.320	0.00	0.00
54280000	59.151	9.21617E-02	VRT	CTM	1.056E+04	0.966	1.00	1.00	0.362	0.00	0.00
54290000	59.310	9.07440E-02	VRT	CTM	4.751E+05	0.97	1.00	1.00	0.415	0.00	0.00
54300000	59.472	9.06809E-02	VRT	TCT	1.982E+07	0.976	1.00	1.00	0.474	0.00	0.00
54310000	59.636	9.13764E-02	VRT	TCT	7.492E+08	0.979	1.00	1.00	0.535	0.00	0.00
54320000	59.804	9.25893E-02	VRT	TCT	2.795E+10	0.982	1.00	1.00	0.593	0.00	0.00
54330000	59.970	9.39598E-02	VRT	TCT	1.009E+12	0.984	1.00	1.00	0.646	0.00	0.00
54340000	60.127	9.52347E-02	VRT	MST	3.433E+13	0.986	1.00	1.00	0.692	0.00	0.00
54350000	60.276	9.63971E-02	VRT	MST	1.117E+15	0.988	1.00	1.00	0.730	0.00	0.00
54360000	60.411	9.73647E-02	VRT	MST	2.211E+16	0.990	1.00	1.00	0.762	0.00	0.00
54370000	60.536	9.82081E-02	VRT	MST	5.417E+16	0.991	1.00	1.00	0.789	0.00	0.00

54110000	58.480	8.74047E-02	VRT	MST	1.780E+17	0.998	1.00	1.00	7.915E-03	0.00	0.00
54120000	58.482	8.72291E-02	VRT	MST	1.524E+17	0.998	1.00	1.00	6.764E-03	0.00	0.00
54130000	58.481	8.71832E-02	VRT	MST	2.902E+16	0.996	1.00	1.00	5.756E-03	0.00	0.00
54140000	58.476	8.73556E-02	VRT	MST	4.340E+15	0.993	1.00	1.00	4.933E-03	0.00	0.00
54150000	58.475	8.73933E-02	VRT	MST	5.746E-02	0.987	1.00	1.00	4.385E-03	0.00	0.00
54160000	58.475	8.74922E-02	VRT	CTM	6.302E-02	0.975	1.00	1.00	4.314E-03	0.00	0.00
54170000	58.476	8.76103E-02	VRT	CTM	5.619E-02	0.956	1.00	1.00	5.091E-03	0.00	0.00
54180000	58.482	8.77670E-02	VRT	CTM	7.895E-02	0.930	1.00	1.00	7.405E-03	0.00	0.00
54190000	58.488	8.84053E-02	VRT	CTM	0.194	0.899	1.00	1.00	1.245E-02	0.00	0.00
54200000	58.501	8.93873E-02	VRT	CTM	0.426	0.872	1.00	1.00	2.245E-02	0.00	0.00
54210000	58.532	9.04487E-02	VRT	CTM	0.739	0.855	1.00	1.00	4.028E-02	0.00	0.00
54220000	58.579	9.15172E-02	VRT	CTM	1.03	0.856	1.00	1.00	6.730E-02	0.00	0.00
54230000	58.639	9.25831E-02	VRT	CTM	1.14	0.873	1.00	1.00	0.101	0.00	0.00
54240000	58.706	9.35391E-02	VRT	CTM	0.952	0.899	1.00	1.00	0.140	0.00	0.00
54250000	58.781	9.49383E-02	VRT	CTM	0.622	0.925	1.00	1.00	0.182	0.00	0.00
54260000	58.863	9.70153E-02	VRT	CTM	4.51	0.945	1.00	1.00	0.228	0.00	0.00
54270000	58.990	9.55062E-02	VRT	CTM	223.	0.958	1.00	1.00	0.278	0.00	0.00
54280000	59.151	9.21617E-02	VRT	CTM	1.056E+04	0.966	1.00	1.00	0.320	0.00	0.00
54290000	59.310	9.07440E-02	VRT	CTM	4.751E+05	0.972	1.00	1.00	0.362	0.00	0.00
54300000	59.472	9.06809E-02	VRT	TCT	1.982E+07	0.976	1.00	1.00	0.415	0.00	0.00
54310000	59.636	9.13764E-02	VRT	TCT	7.492E+08	0.979	1.00	1.00	0.474	0.00	0.00
54320000	59.804	9.25893E-02	VRT	TCT	2.795E+10	0.982	1.00	1.00	0.535	0.00	0.00
54330000	59.970	9.39598E-02	VRT	TCT	1.009E+12	0.984	1.00	1.00	0.593	0.00	0.00
54340000	60.127	9.52347E-02	VRT	MST	3.433E+13	0.986	1.00	1.00	0.646	0.00	0.00
54350000	60.276	9.63971E-02	VRT	MST	1.117E+15	0.988	1.00	1.00	0.692	0.00	0.00
54360000	60.411	9.73647E-02	VRT	MST	2.211E+16	0.990	1.00	1.00	0.730	0.00	0.00
54370000	60.536	9.82081E-02	VRT	MST	5.417E+16	0.991	1.00	1.00	0.762	0.00	0.00
54380000	60.651	9.89735E-02	VRT	MST	8.435E+16	0.992	1.00	1.00	0.789	0.00	0.00
54390000	60.760	9.97379E-02	VRT	MST	1.119E+17	0.994	1.00	1.00	0.813	0.00	0.00
54400000	60.863	0.10052	VRT	MST	1.362E+17	0.995	1.00	1.00	0.833	0.00	0.00
54410000	60.962	0.10134	VRT	MST	1.567E+17	0.996	1.00	1.00	0.851	0.00	0.00
54420000	61.056	0.10219	VRT	MST	1.733E+17	0.997	1.00	1.00	0.867	0.00	0.00
54430000	61.143	0.10307	VRT	MST	1.861E+17	0.998	1.00	1.00	0.881	0.00	0.00
54440000	61.220	0.10379	SGP	INV	1.940E+17	0.998	1.00	1.00	0.893	0.00	0.00
54450000	61.285	0.10437	SGP	INV	1.940E+17	0.999	1.00	1.00	0.903	0.00	0.00
54460000	61.338	0.10471	SGP	INV	1.940E+17	0.999	1.00	1.00	0.911	0.00	0.00
54470000	61.379	0.10485	SGP	INV	1.940E+17	0.999	1.00	1.00	0.918	0.00	0.00
54480000	61.409	0.10486	SGP	INV	1.940E+17	0.999	1.00	1.00	0.922	0.00	0.00
54490000	61.428	0.10485	SGP	INV	1.940E+17	0.999	1.00	1.00	0.925	0.00	0.00
54500000	61.440	0.10483	SGP	INV	1.940E+17	1.00	1.00	1.00	0.927	0.00	0.00
54510000	61.444	0.10489	SGP	INV	1.940E+17	1.00	1.00	1.00	0.928	0.00	0.00
54520000	61.517	0.10001	SGP	INV	1.940E+17	1.00	1.00	1.00	0.928	0.00	0.00
54530000	61.578	9.62203E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.936	0.00	0.00
54540000	61.613	9.41854E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.941	0.00	0.00
54550000	61.632	9.30295E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.945	0.00	0.00
54560000	61.643	9.23384E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.946	0.00	0.00
54570000	61.649	9.18825E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.947	0.00	0.00
54580000	61.653	9.15287E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.947	0.00	0.00
54590000	61.657	9.12058E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.947	0.00	0.00
54600000	61.660	9.08808E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54610000	61.663	9.05426E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54620000	61.666	9.01917E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54630000	61.670	8.98338E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54640000	61.673	8.94749E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54650000	61.676	8.91185E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54660000	61.679	8.87649E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54670000	61.683	8.84125E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54680000	61.686	8.80598E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54690000	61.689	8.77067E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54700000	61.692	8.73548E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54710000	61.695	8.70066E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54720000	61.699	8.66652E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54730000	61.702	8.63337E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54740000	61.704	8.60151E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54750000	61.707	8.57123E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54760000	61.710	8.54284E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54770000	61.712	8.51663E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54780000	61.715	8.49291E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54790000	61.716	8.47196E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54800000	61.718	8.45401E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54810000	61.719	8.43923E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54820000	61.721	8.42774E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54830000	61.721	8.41959E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54840000	61.722	8.41475E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54850000	61.722	8.41315E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54860000	61.722	8.41463E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54870000	61.721	8.41902E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54880000	61.721	8.42608E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54890000	61.720	8.43557E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54900000	61.719	8.44723E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54910000	61.718	8.46078E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54920000	61.716	8.47598E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54930000	61.715	8.49262E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54940000	61.713	8.51050E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
55000000	61.711	8.52947E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56010000	61.710	8.54663E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56020000	61.706	8.57979E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00

54700000	61.692	8.73548E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54710000	61.695	8.70066E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54720000	61.699	8.66652E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54730000	61.702	8.63337E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54740000	61.704	8.60151E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54750000	61.707	8.57123E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54760000	61.710	8.54284E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54770000	61.712	8.51663E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54780000	61.715	8.49291E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54790000	61.716	8.47196E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54800000	61.718	8.45401E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54810000	61.719	8.43923E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54820000	61.721	8.42774E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54830000	61.721	8.41959E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54840000	61.722	8.41475E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54850000	61.722	8.41315E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54860000	61.722	8.41463E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54870000	61.721	8.41902E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54880000	61.721	8.42608E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54890000	61.720	8.43557E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54900000	61.719	8.44723E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54910000	61.718	8.46078E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54920000	61.716	8.47598E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54930000	61.715	8.49262E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54940000	61.713	8.51050E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
55000000	61.711	8.52947E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56010000	61.710	8.54663E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56020000	61.706	8.57979E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56030000	61.703	8.61441E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56040000	61.700	8.64861E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56050000	61.697	8.68023E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56060000	61.695	8.70696E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56070000	61.693	8.72694E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56080000	61.692	8.73955E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56090000	61.691	8.74550E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56100000	61.691	8.74671E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56110000	61.691	8.74520E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56120000	61.691	8.74216E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56130000	61.693	8.73048E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56140000	61.693	8.71997E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56150000	61.695	8.70566E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56160000	61.696	8.68836E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56170000	61.698	8.66988E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56180000	61.700	8.65216E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56190000	61.701	8.63650E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56200000	61.702	8.62308E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56210000	61.703	8.61113E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56220000	61.705	8.59952E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56230000	61.706	8.58732E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56240000	61.707	8.57410E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56250000	61.708	8.55996E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56260000	61.709	8.54543E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56270000	61.711	8.53126E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56280000	61.712	8.51808E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56290000	61.713	8.50624E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56300000	61.714	8.49581E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56310000	61.715	8.48687E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56320000	61.715	8.47962E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56330000	61.716	8.47427E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56340000	61.716	8.47066E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
57000000	61.716	8.46802E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58010000	61.717	8.46735E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58020000	61.717	8.46839E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58030000	61.716	8.47067E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58040000	61.716	8.47377E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58050000	61.716	8.47744E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58060000	61.715	8.48170E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
59000000	61.713	8.49347E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.947	0.00	0.00
60010000	61.677	8.67927E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.944	0.00	0.00
60020000	61.587	9.27374E-02	SGP	INV	1.940E+17	0.999	1.00	1.00	0.934	0.00	0.00
61000000	61.625	9.33688E-02	SGP	INV	1.940E+17	0.999	1.00	1.00	0.939	0.00	0.00
62010000	61.625	9.33888E-02	VRT	MST	1.317E-02	0.999	1.00	1.00	0.939	0.00	0.00
63000000	61.710	9.47644E-02	VRT	SLG	0.161	0.932	0.377	0.377	0.947	0.00	0.00
65000000	61.716	9.33427E-02	HRT	RBY	1.434E+16	1.796E-02	0.000	0.000	0.948	0.00	0.00
67000000	61.715	8.57733E-02	SGP	INV	1.940E+17	1.984E-04	0.000	0.000	0.948	0.00	0.00
69010000	61.715	4.31659E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00
69020000	61.714	3.58115E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00
69030000	61.714	3.58115E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00
70010000	61.714	3.27933E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00
70020000	61.714	3.27933E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00
72000000	61.714	3.20009E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00
74000000	61.910	5.14664E-02	VRT	SLG	3.056E-02	0.500	0.249	0.249	0.936	0.00	0.00
76010000	53.680	0.56898	HRT	TOT	1.667E+17	0.997	0.941	0.941	0.000	0.00	0.00
76020000	54.545	0.43766	HRT	TOT	1.729E+17	0.997	0.470	0.470	0.000	0.00	0.00
76030000	54.955	0.37923	HRT	TOT	1.763E+17	0.998	0.000	0.000	0.000	0.00	0.00
77000000	55.252	0.34342	HRT	TOT	1.778E+17	0.998	0.998	0.998	0.000	0.00	0.00
78000000	38.927	5.3425	HRT	CIN	0.574	0.872	0.585	0.872	0.000	0.21	0.54

58010000	61.717	8.46735E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58020000	61.717	8.46839E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58030000	61.716	8.47067E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58040000	61.716	8.47377E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58050000	61.716	8.47744E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58060000	61.715	8.48170E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
59000000	61.713	8.49347E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.947	0.00	0.00
60010000	61.677	8.67927E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.944	0.00	0.00
60020000	61.587	9.27374E-02	SGP	INV	1.940E+17	0.999	1.00	1.00	0.934	0.00	0.00
61000000	61.625	9.33888E-02	SGP	INV	1.940E+17	0.999	1.00	1.00	0.939	0.00	0.00
62010000	61.625	9.33888E-02	VRT	MST	1.317E-02	0.999	1.00	1.00	0.939	0.00	0.00
63000000	61.710	9.47644E-02	VRT	SLG	0.161	0.932	0.377	0.377	0.947	0.00	0.00
65000000	61.716	9.33427E-02	HRT	RBY	1.434E+16	1.796E-02	0.000	0.000	0.948	0.00	0.00
67000000	61.715	8.57733E-02	SGP	INV	1.940E+17	1.984E-04	0.000	0.000	0.948	0.00	0.00
69010000	61.715	4.31659E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00
69020000	61.714	3.58115E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00
69030000	61.714	3.58115E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00
70010000	61.714	3.27933E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00
70020000	61.714	3.27933E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00
72000000	61.714	3.20009E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00
74000000	61.910	5.14664E-02	VRT	SLG	3.056E-02	0.500	0.249	0.249	0.936	0.00	0.00
76010000	53.680	0.56898	HRT	TCT	1.667E+17	0.997	0.941	0.941	0.000	0.00	0.00
76020000	54.545	0.43766	HRT	TCT	1.729E+17	0.997	0.470	0.470	0.000	0.00	0.00
76030000	54.955	0.37923	HRT	TCT	1.763E+17	0.998	0.000	0.000	0.000	0.00	0.00
77000000	55.252	0.34042	HRT	TCT	1.778E+17	0.998	0.998	0.998	0.000	0.00	0.00
78000000	38.927	5.3425	HRT	CTM	0.574	0.972	0.995	0.972	0.000	0.21	0.84
80000000	33.145	8.8674	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
82000000	33.072	8.8858	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
83010000	33.071	8.8441	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
84000000	33.060	8.8927	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
85010000	33.059	8.8452	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
86000000	33.133	8.8819	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
88000000	33.119	8.8893	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
90000000	33.119	8.8936	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
91010000	33.121	8.9052	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
91020000	33.120	8.8994	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
92000000	33.006	8.9418	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
94000000	55.318	0.32742	HRT	TCT	1.786E+17	0.998	0.998	0.997	0.000	1.0	2.2
98000000	38.953	5.3284	HRT	CTM	0.134E+04	0.972	0.974	0.972	0.000	0.82	0.83
100000000	33.215	8.8399	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
102000000	33.201	8.8468	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
103010000	33.198	8.8507	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
104000000	33.182	8.8588	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
105010000	33.175	8.8658	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
106000000	33.170	8.8729	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
108000000	33.151	8.8815	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
110000000	33.143	8.8877	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
111010000	33.124	8.9044	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
111020000	33.134	8.8959	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
112000000	33.006	8.9418	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
114010000	55.394	0.34366	HRT	CTM	21.1	0.887	1.00	1.00	5.535E-02	0.00	0.00
114020000	55.390	0.35876	HRT	CTM	29.7	0.859	1.00	1.00	8.789E-02	0.00	0.00
119000000	54.774	0.39651	HRT	TCT	1.748E+17	0.998	0.000	0.000	0.000	0.00	0.00
120000000	55.202	0.34237	HRT	TCT	1.772E+17	0.998	0.998	0.998	0.000	0.00	0.00
121000000	55.647	0.29593	HRT	MST	1.761E+17	0.998	0.998	0.998	0.000	0.00	0.00
122000000	55.647	0.29593	HRT	TCT	1.804E+17	0.998	0.998	0.998	0.000	5.56E-03	6.34E-0
123000000	55.467	0.38608	HRT	CTT	0.327	0.591	0.706	0.162	0.140	2.3	0.51E+0
194000000	57.223	0.15881	HRT	CTM	9.702E+16	0.916	0.981	0.916	8.163E-03	1.7	1.8
195010000	55.698	0.30388	HRT	CTM	256.	0.911	0.483	0.483	1.501E-02	0.00	0.00
196000000	56.189	0.33073	HRT	CTM	109.	0.932	0.932	0.932	1.268E-02	0.00	0.00
278000000	33.147	8.8630	HRT	CTM	1.460E+17	1.00	1.00	1.00	0.000	0.37	0.37
298000000	33.217	8.8358	HRT	CTM	1.460E+17	1.00	1.00	1.00	0.000	0.37	0.37

CONTROL VARIABLE EDIT

1 PSV FUNCTION 1.0000

TIME (SEC)	P 38010000 (LBF/IN2)	TEMP 97010000 (DEGF)	P 97010000 (LBF/IN2)	TEMP 36010000 (DEGF)	P 36010000 (LBF/IN2)	TEMP 96010000 (DEGF)	P 96010000 (LBF/IN2)	TEMP 38010000 (DEGF)	P 38010000 (LBF/IN2)
0.15000	196.67	348.48	131.97	401.76	252.24	377.83	190.69	380.40	196.67
0.15100	197.59	348.96	132.79	401.74	252.20	378.39	191.99	380.79	197.59
0.15200	198.27	349.33	133.43	401.73	252.17	378.82	192.97	381.08	198.27
0.15300	198.70	349.59	133.89	401.72	252.15	379.11	193.64	381.26	198.70
0.15400	198.96	349.77	134.20	401.72	252.14	379.29	194.07	381.37	198.96
0.15500	199.01	349.86	134.36	401.73	252.15	379.38	194.27	381.39	199.01
0.15600	198.89	349.89	134.41	401.73	252.18	379.37	194.25	381.34	198.89
0.15700	198.66	349.87	134.37	401.67	251.73	379.29	194.06	381.24	198.66

196000000	56.189	0.33073	HRT	CTM	199.	0.932	0.932	0.932	1.268E-02	0.00	0.00
278000000	33.147	8.8630	HRT	CTM	1.460E+17	1.00	1.00	1.00	0.000	0.37	0.37
298000000	33.217	8.8358	HRT	CTM	1.460E+17	1.00	1.00	1.00	0.000	0.37	0.37

CONTROL VARIABLE EDIT

1 PSV FUNCTION 1.0000

TIME (SEC)	P 38010000 (LF/IN2)	TEMP 97010000 (DEGF)	P 97010000 (LF/IN2)	TEMP 36010000 (DEGF)	P 36010000 (LF/IN2)	TEMP 96010000 (DEGF)	P 96010000 (LF/IN2)	TEMP 38010000 (DEGF)	P 38010000 (LF/IN2)
0.15000	196.67	348.48	131.97	401.76	252.24	377.83	190.69	380.40	196.67
0.15100	197.59	348.96	132.79	401.74	252.20	378.39	191.99	380.79	197.59
0.15200	198.27	349.33	133.43	401.73	252.17	378.82	192.97	381.08	198.27
0.15300	198.70	349.59	133.89	401.72	252.15	379.11	193.64	381.26	198.70
0.15400	198.96	349.77	134.20	401.72	252.14	379.29	194.07	381.37	198.96
0.15500	199.01	349.86	134.36	401.73	252.15	379.38	194.27	381.39	199.01
0.15600	198.89	349.89	134.41	401.73	252.18	379.37	194.25	381.34	198.89
0.15700	198.66	349.87	134.37	401.57	251.73	379.29	194.06	381.24	198.66
0.15800	198.37	349.77	134.20	401.63	251.89	379.15	193.74	381.12	198.37
0.15900	198.07	349.65	133.99	401.48	251.47	378.98	193.35	380.99	198.07
0.16000	197.94	349.51	133.75	401.51	251.53	378.83	193.00	380.94	197.94
0.16100	197.84	349.43	133.61	401.53	251.51	378.75	192.81	380.90	197.84
0.16200	197.80	349.40	133.55	401.56	251.67	378.72	192.74	380.88	197.80
0.16300	197.89	349.39	133.54	401.58	251.73	378.72	192.74	380.92	197.89
0.16400	197.98	349.42	133.59	401.60	251.79	378.77	192.87	380.96	197.98
0.16500	197.79	349.46	133.66	401.61	251.84	378.80	192.94	380.88	197.79
0.16600	197.21	349.43	133.62	401.63	251.88	378.68	192.66	380.63	197.21
0.16700	196.52	349.26	133.31	401.64	251.91	378.37	191.93	380.34	196.52
0.16800	196.18	348.98	132.83	401.65	251.93	378.01	191.11	380.19	196.18
0.16900	196.42	348.77	132.47	401.65	251.94	377.84	190.71	380.29	196.42
0.17000	197.22	348.77	132.47	401.65	251.93	377.99	191.07	380.63	197.22
0.17100	198.41	349.03	132.91	401.64	251.93	378.46	192.14	381.13	198.41
0.17200	199.80	349.49	133.71	401.64	251.91	379.13	193.71	381.72	199.80
0.17300	201.27	350.06	134.71	401.63	251.89	379.90	195.48	382.33	201.27
0.17400	202.70	350.66	135.77	401.62	251.86	380.66	197.29	382.93	202.70
0.17500	204.02	351.25	136.80	401.61	251.84	381.38	198.98	383.48	204.02
0.17600	205.18	351.78	137.74	401.60	251.81	382.00	200.47	383.95	205.18
0.17700	206.20	352.23	138.56	401.60	251.79	382.53	201.75	384.37	206.20
0.17800	207.12	352.62	139.25	401.59	251.77	382.99	202.85	384.75	207.12
0.17900	208.00	352.96	139.86	401.59	251.76	383.40	203.84	385.11	208.00
0.18000	208.91	353.29	140.45	401.58	251.75	383.80	204.81	385.47	208.91
0.18100	209.86	353.62	141.05	401.58	251.75	384.22	205.84	385.86	209.86
0.18200	210.84	353.97	141.69	401.59	251.76	384.67	206.92	386.25	210.84
0.18300	211.83	354.35	142.37	401.59	251.77	385.12	208.05	386.65	211.83
0.18400	212.84	354.72	143.07	401.60	251.79	385.59	209.18	387.05	212.84
0.18500	213.77	355.11	143.77	401.61	251.82	386.04	210.31	387.42	213.77
0.18600	214.04	355.44	144.38	401.65	251.93	385.84	209.80	387.53	214.04
0.18700	213.33	357.44	148.11	401.92	252.70	385.75	209.59	387.25	213.33
0.18800	214.08	358.82	150.74	402.40	254.08	386.39	211.19	387.55	214.08
0.18900	216.11	360.06	153.13	402.93	255.61	387.28	213.41	388.35	216.11
0.19000	217.89	361.36	155.67	403.43	257.06	388.18	215.69	389.05	217.89
0.19100	219.36	362.56	158.02	403.90	258.42	388.91	217.53	389.63	219.36
0.19200	220.86	363.57	160.04	404.34	259.71	389.53	219.13	390.21	220.86
0.19300	222.50	364.44	161.80	405.19	262.22	390.16	220.74	390.84	222.50
0.19400	224.02	365.29	163.52	405.63	263.50	390.80	222.39	391.43	224.02
0.19500	225.35	366.11	165.20	406.01	264.63	391.35	223.81	391.94	225.35
0.19600	226.68	366.91	166.85	406.35	265.65	391.88	225.19	392.44	226.68
0.19700	228.25	367.67	168.43	406.66	266.59	392.43	226.66	393.04	228.25
0.19800	230.10	368.48	170.13	406.96	267.48	393.08	228.36	393.73	230.10
0.19900	232.31	369.41	172.09	407.28	268.36	393.84	230.38	394.56	232.31

TIME (SEC)	TEMP 42010000 (DEGF)	P 42010000 (LF/IN2)	TEMP 76010000 (DEGF)	P 76010000 (LF/IN2)	TEMP 44010000 (DEGF)	P 44010000 (LF/IN2)	TEMP 114030000 (DEGF)	P 114030000 (LF/IN2)	P 48010000 (LF/IN2)
0.15000	290.70	206.39	398.97	244.36	353.83	143.40	355.56	167.03	58.785
0.15100	292.01	207.05	398.97	244.37	354.64	145.01	356.22	169.25	59.800
0.15200	293.36	207.45	399.02	244.51	355.05	145.68	356.88	171.44	60.833
0.15300	294.75	208.71	399.11	244.76	355.95	147.06	357.55	173.61	61.889
0.15400	296.16	210.12	399.21	245.04	356.92	148.65	358.24	175.76	62.972
0.15500	297.56	211.13	399.31	245.32	357.84	150.22	358.93	177.87	64.072
0.15600	298.94	211.64	399.42	245.62	358.68	151.69	359.64	179.95	65.188

0.19200	220.86	363.57	160.04	404.34	259.71	389.53	219.13	390.21	220.86
0.19300	222.50	364.44	161.80	405.19	262.22	390.16	220.74	390.84	222.50
0.19400	224.02	365.29	163.52	405.63	263.50	390.80	222.39	391.43	224.02
0.19500	225.35	366.11	165.20	406.01	264.63	391.35	223.91	391.94	225.35
0.19600	226.68	366.91	166.85	406.35	265.65	391.88	225.19	392.44	226.68
0.19700	228.25	367.67	168.43	406.66	266.59	392.43	226.66	393.04	228.25
0.19800	230.10	368.48	170.13	406.96	267.48	393.08	228.36	393.73	230.10
0.19900	232.31	369.41	172.09	407.26	268.36	393.84	230.38	394.56	232.31

TIME (SEC)	TEMP 42010000 (DEGF)	P 42010000 (LF/IN2)	TEMP 76010000 (DEGF)	P 76010000 (LF/IN2)	TEMP 44010000 (DEGF)	P 44010000 (LF/IN2)	TEMP 114030000 (DEGF)	P 114030000 (LF/IN2)	P 48010000 (LF/IN2)
0.15000	290.70	206.39	398.97	244.36	353.83	143.40	355.56	167.03	58.785
0.15100	292.01	207.05	398.97	244.37	354.64	145.01	356.22	169.25	59.800
0.15200	293.36	207.45	399.02	244.51	355.05	145.68	356.88	171.44	60.833
0.15300	294.75	208.71	399.11	244.76	355.95	147.06	357.55	173.61	61.889
0.15400	296.16	210.12	399.21	245.04	356.92	148.65	358.24	175.76	62.972
0.15500	297.56	211.18	399.31	245.32	357.84	150.22	358.93	177.87	64.072
0.15600	298.94	211.64	399.42	245.62	358.68	151.69	359.64	179.95	65.188
0.15700	300.31	211.58	399.87	246.89	362.47	159.09	360.36	182.01	66.312
0.15800	301.67	211.73	399.98	247.19	362.99	159.72	361.09	184.05	67.136
0.15900	303.03	211.85	400.20	247.81	363.71	160.91	361.83	186.04	67.670
0.16000	304.35	211.32	400.35	248.25	366.69	166.88	362.58	188.05	68.135
0.16100	305.56	205.41	400.63	249.03	366.57	170.35	363.36	190.13	68.625
0.16200	306.85	197.51	401.19	250.64	362.74	164.96	364.15	192.15	69.180
0.16300	308.56	194.67	402.24	253.62	362.73	165.65	364.93	194.00	69.795
0.16400	310.69	195.93	403.28	256.64	364.64	169.26	365.71	195.74	70.467
0.16500	313.08	198.45	403.86	258.32	366.01	171.62	366.47	197.36	71.188
0.16600	315.57	200.17	404.40	259.90	367.64	174.90	367.23	198.86	71.939
0.16700	318.08	201.12	404.91	261.40	368.92	177.37	367.99	200.32	72.707
0.16800	320.61	201.60	405.35	262.68	370.03	179.50	368.75	201.86	73.489
0.16900	323.16	202.22	405.75	263.87	371.15	181.49	369.53	203.56	74.289
0.17000	325.71	203.03	406.14	265.02	372.41	183.82	370.36	205.49	75.122
0.17100	328.21	203.56	406.51	266.14	373.47	185.86	371.22	207.69	76.002
0.17200	330.65	203.96	406.89	267.26	374.37	187.64	372.14	210.13	76.940
0.17300	333.04	204.44	407.26	268.38	375.20	189.29	373.11	212.79	77.941
0.17400	335.38	205.09	407.62	269.47	375.99	190.90	374.12	215.63	80.586
0.17500	337.69	205.88	407.97	270.50	376.63	192.19	375.18	218.59	83.625
0.17600	340.00	206.84	408.28	271.46	377.38	193.75	376.26	221.59	85.966
0.17700	342.29	207.94	408.58	272.36	378.09	195.21	377.37	224.63	87.915
0.17800	344.57	209.14	408.74	272.85	378.52	196.01	378.50	227.68	89.586
0.17900	346.79	210.14	409.02	273.71	379.51	198.23	379.64	230.71	91.081
0.18000	348.98	211.25	409.36	274.72	380.30	199.88	380.79	233.71	92.460
0.18100	351.10	212.30	409.63	275.57	381.02	201.41	381.94	236.65	93.755
0.18200	353.16	213.41	409.89	276.34	382.81	205.59	383.08	239.50	94.977
0.18300	355.12	214.29	410.16	277.19	382.22	203.97	384.21	242.26	96.132
0.18400	357.06	215.53	410.41	277.95	383.41	206.69	385.34	244.95	97.222
0.18500	359.28	218.07	410.65	278.69	384.03	208.09	386.44	247.56	98.246
0.18600	361.08	218.95	410.87	279.39	384.08	208.07	387.53	250.03	99.199
0.18700	362.59	219.44	411.05	279.94	385.32	210.86	388.59	252.35	100.07
0.18800	364.09	220.67	411.23	280.50	386.90	214.39	389.60	254.45	100.85
0.18900	365.47	222.22	411.51	281.37	388.64	218.23	390.59	256.39	101.52
0.19000	366.49	222.99	411.90	282.59	389.24	219.39	391.55	258.34	102.08
0.19100	367.16	223.08	412.29	283.81	389.40	219.60	392.50	260.28	102.55
0.19200	367.75	223.38	412.58	284.70	389.64	220.03	393.41	262.05	102.94
0.19300	368.45	224.39	412.84	283.02	390.04	220.80	394.28	263.66	103.24
0.19400	369.03	224.90	412.23	283.60	391.36	224.62	395.11	265.07	103.47
0.19500	370.09	227.30	412.62	284.84	392.59	227.30	395.88	266.22	103.60
0.19600	370.70	228.41	413.17	286.57	393.24	228.83	396.61	267.30	103.64
0.19700	372.48	232.78	413.21	286.71	392.32	226.35	397.36	268.65	103.64
0.19800	373.74	234.20	412.90	285.70	393.36	229.09	398.15	270.31	103.65
0.19900	375.91	238.12	412.63	284.87	392.75	227.48	398.89	271.70	103.68

TIME (SEC)	P 114020000 (LF/IN2)	RHO 114020000 (LB/FT3)	TEMP 48010000 (DEGF)	TEMP 48080000 (DEGF)	P 48080000 (LF/IN2)	TEMP 52010000 (DEGF)	P 52010000 (LF/IN2)	TEMP 52010000 (DEGF)	P 52010000 (LF/IN2)
0.15000	157.99	8.0745	290.42	272.34	44.142	266.63	40.194	266.63	40.194
0.15100	160.39	8.0563	291.52	273.11	44.682	267.45	40.763	267.45	40.763
0.15200	162.81	8.0356	292.63	273.88	45.234	268.44	41.445	268.44	41.445
0.15300	165.24	8.0127	293.75	274.66	45.796	269.51	42.192	269.51	42.192
0.15400	167.67	7.9877	294.88	275.40	46.345	270.57	42.939	270.57	42.939
0.15500	170.05	7.9605	296.02	276.11	46.872	271.60	43.667	271.60	43.667
0.15600	172.44	7.9316	297.16	276.78	47.377	272.61	44.391	272.61	44.391
0.15700	174.86	7.9020	298.29	277.72	48.099	273.63	45.129	273.63	45.129
0.15800	177.19	7.8716	299.12	278.79	48.925	274.65	45.874	274.65	45.874
0.15900	179.50	7.8398	299.67	279.10	49.165	275.66	46.614	275.66	46.614