

50-305

RESPONSE TO NUREG-0737 ITEM II.D.1

Docket # *50-305*

Control # *8403280048*

Date *3/23/84* of Document:  
REGULATORY DOCKET FILE

36020000	0.60539	54.203	0.47614	0.14070	359.7	1105.1	1347.4	0.00000	-12.807
36030000	0.54849	54.529	0.42652	0.14070	350.8	1108.2	1342.3	0.00000	-7.0816
38010000	0.60128	54.107	0.47367	0.35072	362.3	1114.5	1358.2	0.00000	1.04699E-02
38020000	0.60115	54.108	0.47366	0.35072	362.30	1114.5	1358.3	0.00000	1.73531E-03
38030000	0.60103	54.108	0.47365	0.35072	362.29	1114.5	1358.5	0.00000	3.28621E-04
38040000	0.60092	54.108	0.47364	0.35072	362.29	1114.5	1358.6	0.00000	1.25228E-03
38050000	0.60082	54.108	0.47364	0.35072	362.29	1114.5	1358.7	0.00000	2.25147E-04
38060000	0.60075	54.108	0.47363	0.35072	362.29	1114.5	1358.8	0.00000	2.26565E-04
38070000	0.60072	54.108	0.47362	0.35072	362.29	1114.5	1358.8	0.00000	3.57574E-04
40010000	0.60216	54.104	0.47415	0.21862	362.39	1114.5	1357.8	0.00000	6.41943E-02
42010000	0.63095	54.108	0.47361	0.32880	362.29	1114.5	1321.2	0.00000	2.53765E-03
44010000	0.35092	55.932	0.26963	0.16683	311.28	1103.0	1324.9	0.00000	-6.1969
46010000	0.44761	55.102	0.35117	0.20824	335.11	1111.1	1351.2	0.00000	4.6381
46020000	0.45210	55.069	0.35493	0.35620	336.04	1111.2	1351.9	0.00000	8.26542E-02

46030000	0.45214	55.068	0.35499	0.35620	336.06	1111.2	1351.9	0.00000	4.50180E-03
48010000	0.28182	56.359	0.22676	0.27948	298.61	1105.2	1359.3	0.00000	4.3161
48020000	0.27432	56.434	0.22049	0.27948	296.35	1104.6	1357.5	0.00000	-0.17527
48030000	0.27362	56.439	0.21991	0.27948	296.19	1104.7	1357.5	0.00000	-7.51417E-03
48040000	0.27356	56.439	0.21991	0.27948	296.19	1104.7	1357.7	0.00000	2.38269E-02
48050000	0.27357	56.439	0.21997	0.27948	296.21	1104.7	1357.9	0.00000	6.79843E-02
48060000	0.27357	56.438	0.22002	0.27948	296.23	1104.7	1358.1	0.00000	7.08470E-02
48070000	0.27356	56.437	0.22007	0.27948	296.24	1104.7	1358.2	0.00000	6.85485E-02
48080000	0.27354	56.437	0.22010	0.27948	296.25	1104.7	1358.4	0.00000	6.66954E-02
48090000	0.27352	56.437	0.22013	0.27948	296.26	1104.7	1358.6	0.00000	6.50829E-02
50010000	0.27134	56.456	0.21848	0.28824	295.67	1104.6	1358.7	0.00000	0.13772
50020000	0.27112	56.458	0.21834	0.28824	295.62	1104.6	1358.8	0.00000	5.88653E-02
50030000	0.27106	56.458	0.21833	0.28824	295.62	1104.6	1358.9	0.00000	5.80353E-02
50040000	0.27100	56.458	0.21832	0.28824	295.62	1104.6	1359.1	0.00000	5.73251E-02
50050000	0.27092	56.458	0.21830	0.28824	295.61	1104.6	1359.2	0.00000	5.55495E-02
52010000	0.27085	56.459	0.21828	0.27400	295.60	1104.6	1359.3	0.00000	5.26261E-02
54010000	0.26409	56.520	0.21306	0.30578	293.74	1104.3	1359.5	0.00000	0.10222
54020000	0.26350	56.527	0.21262	0.30578	293.54	1104.2	1359.4	0.00000	8.22603E-03
54030000	0.26334	56.528	0.21253	0.30578	293.51	1104.2	1359.6	0.00000	4.32405E-02
54040000	0.26321	56.529	0.21247	0.30578	293.49	1104.2	1359.7	0.00000	4.65086E-02
54050000	0.26308	56.529	0.21240	0.30578	293.46	1104.2	1359.8	0.00000	4.53965E-02
54060000	0.26294	56.530	0.21234	0.30578	293.44	1104.2	1360.0	0.00000	4.44057E-02
54070000	0.26280	56.531	0.21226	0.30578	293.41	1104.2	1360.1	0.00000	4.35908E-02
54080000	0.26266	56.532	0.21219	0.30578	293.38	1104.2	1360.2	0.00000	4.29605E-02
54090000	0.26252	56.533	0.21212	0.30578	293.36	1104.1	1360.4	0.00000	4.25096E-02
54100000	0.26238	56.534	0.21204	0.30578	293.33	1104.1	1360.5	0.00000	4.22283E-02
54110000	0.26223	56.535	0.21197	0.30578	293.30	1104.1	1360.7	0.00000	4.21052E-02
54120000	0.26209	56.536	0.21190	0.30578	293.28	1104.1	1360.8	0.00000	4.21278E-02
54130000	0.26196	56.536	0.21183	0.30578	293.25	1104.1	1360.9	0.00000	4.22831E-02
54140000	0.26182	56.537	0.21176	0.30578	293.23	1104.1	1361.1	0.00000	4.25579E-02
54150000	0.26169	56.538	0.21170	0.30578	293.20	1104.1	1361.2	0.00000	4.29388E-02
54160000	0.26157	56.539	0.21164	0.30578	293.18	1104.1	1361.4	0.00000	4.34128E-02
54170000	0.26145	56.539	0.21159	0.30578	293.16	1104.1	1361.5	0.00000	4.39673E-02
54180000	0.26133	56.540	0.21154	0.30578	293.14	1104.1	1361.6	0.00000	4.45903E-02
54190000	0.26122	56.541	0.21149	0.30578	293.13	1104.1	1361.8	0.00000	4.52708E-02
54200000	0.26112	56.541	0.21145	0.30578	293.11	1104.1	1361.9	0.00000	4.59988E-02
54210000	0.26102	56.541	0.21142	0.30578	293.10	1104.1	1362.1	0.00000	4.67654E-02
54220000	0.26093	56.542	0.21139	0.30578	293.09	1104.1	1362.3	0.00000	4.75628E-02
54230000	0.26085	56.542	0.21137	0.30578	293.08	1104.1	1362.4	0.00000	4.83845E-02
54240000	0.26077	56.542	0.21135	0.30578	293.07	1104.1	1362.6	0.00000	4.92246E-02
54250000	0.26070	56.542	0.21134	0.30578	293.07	1104.1	1362.7	0.00000	5.00778E-02
54260000	0.26063	56.542	0.21133	0.30578	293.07	1104.1	1362.9	0.00000	5.09391E-02
54270000	0.26058	56.542	0.21134	0.30578	293.07	1104.1	1363.1	0.00000	5.18034E-02
54280000	0.26053	56.542	0.21134	0.30578	293.07	1104.1	1363.3	0.00000	5.26654E-02
54290000	0.26048	56.542	0.21136	0.30578	293.08	1104.1	1363.4	0.00000	5.35191E-02
54300000	0.26045	56.542	0.21137	0.30578	293.08	1104.1	1363.6	0.00000	5.43585E-02
54310000	0.26042	56.542	0.21140	0.30578	293.09	1104.1	1363.8	0.00000	5.51769E-02
54320000	0.26040	56.541	0.21143	0.30578	293.10	1104.1	1363.9	0.00000	5.59680E-02
54330000	0.26038	56.541	0.21146	0.30578	293.12	1104.1	1364.1	0.00000	5.67259E-02
54340000	0.26037	56.540	0.21150	0.30578	293.13	1104.1	1364.3	0.00000	5.74453E-02
54350000	0.26037	56.540	0.21155	0.30578	293.15	1104.1	1364.5	0.00000	5.81220E-02
54360000	0.26038	56.539	0.21159	0.30578	293.16	1104.1	1364.6	0.00000	5.87527E-02
54370000	0.26039	56.539	0.21165	0.30578	293.18	1104.1	1364.8	0.00000	5.93357E-02
54380000	0.26041	56.538	0.21170	0.30578	293.20	1104.1	1365.0	0.00000	5.98700E-02
54390000	0.26043	56.537	0.21177	0.30578	293.23	1104.1	1365.1	0.00000	6.03367E-02
54400000	0.26046	56.536	0.21183	0.30578	293.25	1104.1	1365.3	0.00000	6.04088E-02
54410000	0.26049	56.535	0.21189	0.30578	293.28	1104.2	1365.4	0.00000	2.34728E-02
54420000	0.26054	56.535	0.21197	0.30578	293.30	1104.1	1365.6	0.00000	5.90097E-02
54430000	0.26058	56.534	0.21204	0.30578	293.33	1104.2	1365.7	0.00000	2.35355E-02
54440000	0.26064	56.533	0.21212	0.30578	293.36	1104.2	1365.8	0.00000	2.17687E-02

54450000	0.26071	56.532	0.21221	0.30578	293.39	1104.2	1366.0	0.00000	5.97422E-02
54460000	0.26077	56.531	0.21228	0.30578	293.43	1104.2	1366.1	0.00000	2.41409E-02
54470000	0.26085	56.530	0.21238	0.30578	293.45	1104.2	1366.2	0.00000	6.08742E-02
54480000	0.26093	56.529	0.21247	0.30578	293.49	1104.2	1366.3	0.00000	6.28957E-02
54490000	0.26101	56.527	0.21255	0.30578	293.52	1104.2	1366.4	0.00000	2.38356E-02
54500000	0.26111	56.526	0.21265	0.30578	293.55	1104.2	1366.4	0.00000	6.06860E-02
54510000	0.26127	56.525	0.21281	0.30578	293.59	1104.1	1366.5	0.00000	8.03790E-02
54520000	0.26129	56.524	0.21284	0.30578	293.62	1104.1	1366.6	0.00000	6.33880E-02
54530000	0.26139	56.523	0.21294	0.30578	293.65	1104.1	1366.7	0.00000	6.29979E-02
54540000	0.26151	56.522	0.21304	0.30578	293.69	1104.1	1366.7	0.00000	6.35172E-02
54550000	0.26164	56.521	0.21315	0.30578	293.72	1104.1	1366.7	0.00000	6.37159E-02
54560000	0.26178	56.520	0.21325	0.30578	293.76	1104.1	1366.7	0.00000	6.38098E-02
54570000	0.26193	56.518	0.21336	0.30578	293.80	1104.1	1366.6	0.00000	6.40392E-02
54580000	0.26211	56.517	0.21347	0.30578	293.84	1104.1	1366.6	0.00000	6.44453E-02
54590000	0.26229	56.516	0.21359	0.30578	293.88	1104.1	1366.6	0.00000	



54310000	0.26042	56.541	0.21143	0.30578	293.11	1104.1	1363.8	0.00000	5.51768E-02
54320000	0.26040	56.541	0.21143	0.30578	293.11	1104.1	1363.9	0.00000	5.59680E-02
54330000	0.26038	56.541	0.21146	0.30578	293.11	1104.1	1364.1	0.00000	5.67259E-02
54340000	0.26037	56.540	0.21150	0.30578	293.13	1104.1	1364.3	0.00000	5.74453E-02
54350000	0.26037	56.540	0.21155	0.30578	293.15	1104.1	1364.5	0.00000	5.81220E-02
54360000	0.26038	56.539	0.21159	0.30578	293.16	1104.1	1364.6	0.00000	5.87527E-02
54370000	0.26039	56.539	0.21165	0.30578	293.18	1104.1	1364.8	0.00000	5.93357E-02
54380000	0.26041	56.538	0.21170	0.30578	293.20	1104.1	1365.0	0.00000	5.98700E-02
54390000	0.26043	56.537	0.21177	0.30578	293.23	1104.1	1365.1	0.00000	6.03367E-02
54400000	0.26046	56.536	0.21183	0.30578	293.25	1104.1	1365.3	0.00000	6.04088E-02
54410000	0.26049	56.535	0.21189	0.30578	293.28	1104.2	1365.4	0.00000	2.34728E-02
54420000	0.26054	56.535	0.21197	0.30578	293.30	1104.1	1365.6	0.00000	5.90097E-02
54430000	0.26058	56.534	0.21204	0.30578	293.33	1104.2	1365.7	0.00000	2.35395E-02
54440000	0.26064	56.533	0.21212	0.30578	293.36	1104.2	1365.8	0.00000	2.17687E-02

54450000	0.26071	56.532	0.21221	0.30578	293.39	1104.2	1366.0	0.00000	5.97422E-02
54460000	0.26077	56.531	0.21228	0.30578	293.43	1104.2	1366.1	0.00000	2.41409E-02
54470000	0.26085	56.530	0.21238	0.30578	293.45	1104.2	1366.2	0.00000	6.08742E-02
54480000	0.26093	56.529	0.21247	0.30578	293.49	1104.2	1366.3	0.00000	6.28957E-02
54490000	0.26101	56.527	0.21255	0.30578	293.52	1104.2	1366.4	0.00000	2.38356E-02
54500000	0.26111	56.526	0.21265	0.30578	293.55	1104.2	1366.4	0.00000	6.06860E-02
54510000	0.26127	56.525	0.21281	0.30578	293.59	1104.1	1366.5	0.00000	8.03790E-02
54520000	0.26129	56.524	0.21284	0.30578	293.62	1104.1	1366.6	0.00000	6.33880E-02
54530000	0.26139	56.523	0.21294	0.30578	293.65	1104.1	1366.7	0.00000	6.29979E-02
54540000	0.26151	56.522	0.21304	0.30578	293.69	1104.1	1366.7	0.00000	6.35172E-02
54550000	0.26164	56.521	0.21315	0.30578	293.72	1104.1	1366.7	0.00000	6.37159E-02
54560000	0.26178	56.520	0.21325	0.30578	293.76	1104.1	1366.7	0.00000	6.38098E-02
54570000	0.26193	56.518	0.21336	0.30578	293.80	1104.1	1366.6	0.00000	6.40392E-02
54580000	0.26211	56.517	0.21347	0.30578	293.84	1104.1	1366.6	0.00000	6.44453E-02
54590000	0.26229	56.516	0.21359	0.30578	293.88	1104.1	1366.4	0.00000	6.49918E-02
54600000	0.26250	56.514	0.21372	0.30578	293.93	1104.0	1366.3	0.00000	6.56679E-02
54610000	0.26273	56.513	0.21385	0.30578	293.97	1104.0	1366.1	0.00000	6.64870E-02
54620000	0.26298	56.511	0.21398	0.30578	294.02	1104.0	1365.9	0.00000	6.74535E-02
54630000	0.26326	56.509	0.21413	0.30578	294.07	1104.0	1365.6	0.00000	6.85496E-02
54640000	0.26356	56.508	0.21428	0.30578	294.12	1104.0	1365.3	0.00000	6.97387E-02
54650000	0.26388	56.506	0.21445	0.30578	294.18	1103.9	1365.0	0.00000	7.09748E-02
54660000	0.26424	56.504	0.21462	0.30578	294.24	1103.9	1364.6	0.00000	7.22077E-02
54670000	0.26461	56.502	0.21480	0.30578	294.30	1103.9	1364.1	0.00000	7.33853E-02
54680000	0.26502	56.500	0.21498	0.30578	294.37	1103.9	1363.7	0.00000	7.44549E-02
54690000	0.26545	56.497	0.21517	0.30578	294.43	1103.8	1363.1	0.00000	7.53662E-02
54700000	0.26592	56.495	0.21537	0.30578	294.50	1103.8	1362.5	0.00000	7.60737E-02
54710000	0.26641	56.493	0.21558	0.30578	294.57	1103.7	1361.8	0.00000	7.65412E-02
54720000	0.26692	56.491	0.21578	0.30578	294.64	1103.7	1361.1	0.00000	7.67446E-02
54730000	0.26747	56.488	0.21599	0.30578	294.71	1103.6	1360.3	0.00000	7.66736E-02
54740000	0.26804	56.486	0.21620	0.30578	294.78	1103.6	1359.4	0.00000	7.63329E-02
54750000	0.26863	56.484	0.21641	0.30578	294.85	1103.5	1358.5	0.00000	7.57417E-02
54760000	0.26926	56.482	0.21661	0.30578	294.91	1103.5	1357.5	0.00000	7.49310E-02
54770000	0.26991	56.479	0.21682	0.30578	294.98	1103.4	1356.4	0.00000	7.39418E-02
54780000	0.27060	56.477	0.21702	0.30578	295.04	1103.3	1355.2	0.00000	7.28207E-02
54790000	0.27131	56.475	0.21722	0.30578	295.11	1103.2	1353.9	0.00000	7.16169E-02
54800000	0.27206	56.473	0.21742	0.30578	295.17	1103.1	1352.5	0.00000	7.03780E-02
54810000	0.27283	56.471	0.21761	0.30578	295.23	1103.0	1351.0	0.00000	6.91469E-02
54820000	0.27364	56.469	0.21781	0.30578	295.29	1102.9	1349.4	0.00000	6.79587E-02
54830000	0.27449	56.467	0.21800	0.30578	295.34	1102.7	1347.8	0.00000	6.68390E-02
54840000	0.27537	56.465	0.21819	0.30578	295.40	1102.6	1346.0	0.00000	6.58023E-02
54850000	0.27630	56.464	0.21837	0.30578	295.45	1102.5	1344.1	0.00000	6.48516E-02
54860000	0.27726	56.462	0.21856	0.30578	295.51	1102.3	1342.2	0.00000	6.39792E-02
54870000	0.27826	56.460	0.21875	0.30578	295.56	1102.1	1340.1	0.00000	6.31681E-02
54880000	0.27931	56.459	0.21894	0.30578	295.61	1102.0	1337.9	0.00000	6.23945E-02
54890000	0.28040	56.457	0.21913	0.30578	295.66	1101.8	1335.6	0.00000	6.16308E-02
54900000	0.28154	56.455	0.21932	0.30578	295.71	1101.6	1333.2	0.00000	6.08499E-02
54910000	0.28272	56.454	0.21951	0.30578	295.76	1101.3	1330.7	0.00000	6.00292E-02
54920000	0.28396	56.452	0.21971	0.30578	295.81	1101.1	1328.1	0.00000	5.91543E-02
54930000	0.28526	56.450	0.21990	0.30578	295.85	1100.9	1325.3	0.00000	5.82224E-02
54940000	0.28662	56.449	0.22009	0.30578	295.90	1100.6	1322.4	0.00000	5.72447E-02
54950000	0.28807	56.447	0.22028	0.30578	295.95	1100.4	1319.3	0.00000	5.62667E-02
56010000	0.28968	56.453	0.21987	0.49155	295.76	1099.9	1313.6	0.00000	6.61414E-02
56020000	0.29268	56.451	0.22016	0.49155	295.83	1099.5	1306.9	0.00000	5.36190E-02
56030000	0.29643	56.449	0.22047	0.49155	295.90	1099.1	1298.6	0.00000	5.20755E-02
56040000	0.30133	56.446	0.22079	0.49155	295.98	1098.7	1287.7	0.00000	2.01850E-02
56050000	0.30798	56.443	0.22112	0.49155	296.07	1098.4	1273.1	0.00000	1.92191E-02
56060000	0.31718	56.440	0.22147	0.49155	296.16	1098.0	1253.2	0.00000	4.42065E-02
56070000	0.32996	56.437	0.22183	0.49155	296.26	1097.8	1226.7	0.00000	3.92865E-02
56080000	0.34740	56.434	0.22219	0.49155	296.37	1097.5	1192.4	0.00000	3.13498E-02
56090000	0.37058	56.430	0.22255	0.49155	296.48	1097.4	1150.4	0.00000	9.18898E-03

56100000	0.40030	56.426	0.22293	0.49155	296.60	1097.2	1101.6	0.00000	7.42680E-03
56110000	0.43689	56.422	0.22332	0.49155	296.73	1097.2	1048.2	0.00000	-6.07942E-03
56120000	0.48000	56.417	0.22376	0.49155	296.87	1097.1	993.06	0.00000	-1.97414E-02
56130000	0.52851	56.411	0.22426	0.49155	297.04	1097.1	939.21	0.00000	-3.44665E-02
56140000	0.58038	56.405	0.22478	0.49155	297.22	1097.2	889.13	0.00000	-4.59831E-02
56150000	0.63278	56.400	0.22524	0.49155	297.37	1097.2	844.70	0.00000	-5.14370E-02
56160000	0.68246	56.396	0.22562	0.49155	297.50	1097.1	807.23	0.00000	-6.45139E-02
56170000	0.72621	56.390	0.22618	0.49155	297.68	1097.1	777.87	0.00000	-0.10378
56180000	0.75817	56.381	0.22703	0.49155	297.96	1097.0	758.96	0.00000	-0.11335
56190000	0.77466	56.374	0.22767	0.49155	298.16	1096.8	750.07	0.00000	-9.77919E-02
56200000	0.81991	56.372	0.22788	0.49155	298.21	1096.4	724.03	0.00000	-9.82911E-02
56210000	0.84734	56.370	0.22817	0.49155	298.27	1096.0	709.56	0.00000	-0.10647
56220000	0.84043	56.366	0.22864	0.49155	298.40	1095.5	714.14	0.00000	-5.82563E-02
56230000	0.82556	56.361	0.22924	0.49155	298.55	1095.0	723.40	0.00000	-6.03282E-02
56240000	0.80554	56.357	0.22921	0.49155					



54910000	0.28272	56.452	0.21951	0.30578	295.77	1101.3	1330.7	0.00000	6.0027E-02
54920000	0.28396	56.452	0.21971	0.30578	295.81	1101.1	1328.1	0.00000	5.1544E-02
54930000	0.28526	56.450	0.21990	0.30578	295.85	1100.9	1325.3	0.00000	5.82224E-02
54940000	0.28662	56.449	0.22009	0.30578	295.90	1100.6	1322.4	0.00000	5.72447E-02
54950000	0.28807	56.447	0.22028	0.30578	295.95	1100.4	1319.3	0.00000	5.62667E-02
56010000	0.28968	56.453	0.21987	0.49155	295.76	1099.9	1313.6	0.00000	6.61414E-02
56020000	0.29268	56.451	0.22016	0.49155	295.83	1099.5	1306.9	0.00000	5.36190E-02
56030000	0.29643	56.449	0.22047	0.49155	295.90	1099.1	1298.6	0.00000	5.20755E-02
56040000	0.30133	56.446	0.22079	0.49155	295.98	1098.7	1287.7	0.00000	2.01850E-02
56050000	0.30798	56.443	0.22112	0.49155	296.07	1098.4	1273.1	0.00000	1.92191E-02
56060000	0.31719	56.440	0.22147	0.49155	296.16	1098.0	1253.2	0.00000	4.42065E-02
56070000	0.32996	56.437	0.22183	0.49155	296.26	1097.8	1226.7	0.00000	3.92668E-02
56080000	0.34740	56.434	0.22219	0.49155	296.37	1097.5	1192.4	0.00000	3.13498E-02
56090000	0.37058	56.430	0.22255	0.49155	296.48	1097.4	1150.4	0.00000	9.18898E-03

56100000	0.40030	56.426	0.22293	0.49155	296.60	1097.2	1101.6	0.00000	7.42880E-03
56110000	0.43689	56.422	0.22332	0.49155	296.73	1097.2	1048.2	0.00000	-6.07942E-03
56120000	0.48000	56.417	0.22376	0.49155	296.87	1097.1	993.06	0.00000	-1.97414E-02
56130000	0.52851	56.411	0.22426	0.49155	297.04	1097.1	939.21	0.00000	-3.44665E-02
56140000	0.58038	56.405	0.22478	0.49155	297.22	1097.2	889.13	0.00000	-4.59831E-02
56150000	0.63278	56.400	0.22524	0.49155	297.37	1097.2	844.70	0.00000	-5.14370E-02
56160000	0.68246	56.396	0.22562	0.49155	297.50	1097.1	807.23	0.00000	-6.45139E-02
56170000	0.72621	56.390	0.22618	0.49155	297.68	1097.0	777.87	0.00000	-0.10378
56180000	0.75817	56.381	0.22703	0.49155	297.96	1097.0	758.96	0.00000	-0.11335
56190000	0.77466	56.374	0.22767	0.49155	298.16	1096.8	750.07	0.00000	-9.77919E-02
56200000	0.81991	56.372	0.22788	0.49155	298.21	1096.4	724.03	0.00000	-9.82911E-02
56210000	0.84734	56.370	0.22817	0.49155	298.27	1096.0	709.56	0.00000	-0.10647
56220000	0.84043	56.366	0.22864	0.49155	298.40	1095.5	714.14	0.00000	-5.82563E-02
56230000	0.82556	56.361	0.22924	0.49155	298.55	1095.0	723.40	0.00000	-6.03282E-02
56240000	0.80554	56.363	0.22921	0.49155	298.48	1094.3	734.57	0.00000	-3.64113E-02
56250000	0.78266	56.361	0.22961	0.49155	298.54	1093.6	748.72	0.00000	-0.11727
56260000	0.76080	56.352	0.23055	0.49155	298.80	1092.8	764.01	0.00000	-7.27930E-02
56270000	0.74685	56.353	0.23065	0.49155	298.78	1092.0	773.01	0.00000	-1.60933E-02
56280000	0.84896	56.355	0.23065	0.49155	298.72	1091.3	712.91	0.00000	6.28411E-03
56290000	0.99801	56.355	0.23084	0.49155	298.72	1090.5	642.58	0.00000	0.10153
56300000	1.1499	56.353	0.23124	0.49155	298.79	1089.8	585.79	0.00000	0.19743
56310000	1.2868	56.352	0.23150	0.49155	298.83	1089.2	543.37	0.00000	0.19065
56320000	1.4043	56.354	0.23147	0.49155	298.77	1088.7	511.69	0.00000	0.16569
56330000	1.5039	56.357	0.23125	0.49155	298.66	1088.3	487.57	0.00000	0.21189
56340000	1.5864	56.361	0.23098	0.49155	298.54	1087.9	469.25	0.00000	0.29716
56350000	1.6933	56.366	0.23069	0.49155	298.41	1087.6	447.66	0.00000	0.36837
58010000	1.7482	56.372	0.23024	0.54635	298.23	1087.2	436.95	0.00000	0.41946
58020000	1.7902	56.378	0.22987	0.54635	298.05	1086.6	429.07	0.00000	0.40483
58030000	1.8227	56.385	0.22955	0.54635	297.84	1085.4	423.06	0.00000	0.41856
58040000	1.8484	56.394	0.22934	0.54635	297.57	1083.2	418.42	0.00000	0.43244
58050000	1.8701	56.406	0.22932	0.54635	297.21	1079.3	414.66	0.00000	0.44022
58060000	1.8896	56.423	0.22959	0.54635	296.71	1072.6	411.53	0.00000	0.44006
58070000	2.0610	56.447	0.23022	0.54635	295.98	1062.1	386.59	0.00000	0.45475
60010000	2.1287	56.492	0.23107	0.60828	294.63	1044.1	377.79	0.00000	0.54235
60020000	2.2580	56.549	0.23316	0.60828	292.92	1018.2	363.20	0.00000	0.41337
60030000	2.4812	56.626	0.23617	0.60828	290.60	983.74	341.12	0.00000	0.35874
62010000	2.7619	56.713	0.23956	0.54800	287.95	946.25	318.02	0.00000	0.31775
62020000	3.2637	56.820	0.24347	0.54800	284.67	903.00	285.00	0.00000	0.19207
64010000	4.0251	57.042	0.25052	0.90420	277.77	822.39	252.13	0.00000	-9.46352E-02
66010000	4.9006	57.265	0.25520	0.82200	270.72	754.20	226.33	0.00000	-3.70474E-02
68010000	4.0790	57.466	0.25575	0.82200	264.27	704.63	256.47	0.00000	1.0654
69010000	3.5986	58.254	0.23872	2.2358	238.08	563.73	267.95	0.00000	1.5059
70010000	9.8496	60.951	0.28518	2.2358	130.61	240.35	188.12	0.00000	-3.5549
71010000	38.376	61.678	0.42285	2.2358	91.207	188.57	173.04	0.00000	-0.19652
73010000	58.206	61.714	6.77962E-02	600.33	87.999	229.42	136.78	0.00000	6.68303E-06
75010000	13.333	61.714	5.41991E-02	199.98	87.944	248.23	68.555	0.00000	-1.74979E-02
76010000	0.71249	53.635	0.57464	0.10050	374.77	1098.0	1358.4	0.00000	-23.320
76020000	0.55841	54.506	0.44205	0.10050	351.58	1100.2	1347.9	0.00000	-17.788
76030000	0.49057	54.919	0.38309	0.10050	340.20	1103.6	1340.5	0.00000	-11.383
76040000	0.44500	55.220	0.34454	0.10050	331.79	1105.4	1335.3	0.00000	-7.4156
79010000	9.0774	32.845	9.0774	0.11760	744.38	1010.8	1075.1	0.00000	-1.65848E-04
81010000	9.0826	32.842	9.0826	8.65830E-02	744.41	1010.7	1074.8	0.00000	-1.85423E-04
83010000	8.8837	32.765	8.8837	7.93800E-02	745.26	1015.2	1412.7	0.00000	0.00000
83020000	9.1052	32.766	9.1052	9.37860E-02	745.25	1010.8	1072.6	0.00000	-3.12995E-06
85010000	9.1128	32.752	9.1128	0.10334	745.40	1010.7	1374.5	0.00000	0.00000
85020000	8.8856	32.751	8.8856	0.10334	745.41	1015.2	1412.9	0.00000	0.00000
87010000	9.0985	32.826	9.0985	8.58480E-02	744.59	1010.5	1073.8	0.00000	-2.40076E-04
89010000	9.1069	32.809	9.1068	0.11539	744.78	1010.4	1073.2	0.00000	-2.16636E-04
91010000	9.1264	32.798	9.1264	0.15787	744.89	1010.0	1072.1	0.00000	-2.76217E-04
91020000	9.1192	32.803	9.1192	0.15787	744.85	1010.1	1072.5	0.00000	-2.57307E-04

91030000	9.1121	32.806	9.1121	0.15787	744.81	1010.3	1072.9	0.00000	-2.34306E-04
93010000	7.13865E-02	61.474	6.94233E-02	9000.0	102.53	260.76	1095.6	0.00000	7.23938E-04
95010000	0.47654	54.954	0.36801	0.10251	339.23	1111.7	1339.9	0.00000	1.2068
96010000	0.59575	54.145	0.46863	0.16944	361.30	1114.4	1357.0	0.00000	1.9248
97010000	0.44657	55.185	0.34420	0.12140	332.78	1108.9	1335.4	0.00000	-2.6240
99010000	9.0607	32.862	9.0607	0.11760	744.20	1011.1	1076.1	0.00000	-1.63974E-04
101010000	9.0657	32.860	9.0657	8.65830E-02	744.22	1011.0	1075.8	0.00000	-1.90172E-04
103010000	9.0773	32.845	9.0773	0.10054	744.39	1010.8	1075.1	0.00000	-1.94087E-04
103020000	9.0732	32.846	9.0732	9.37860E-02	744.37	1010.9	1075.3	0.00000	-1.74883E-04
105010000	9.0920	32.828	9.0920	0.15155	744.57	1010.3	1074.1	0.00000	-2.10718E-04
105020000	9.0855	32.830	9.0854	0.15155	744.54	1010.8	1074.5	0.00000	-1.80555E-04
107010000	9.0985	32.826	9.0985	8.58480E-02	744.60	1010.5	1073.8	0.00000	-2.40086E-04
109010000	9.1069	32.809	9.1069	0.11539	744.78	1010.4	1073.2	0.00000	-2.16740E-04
111010000	9.1264	32.799	9.1264	0.15787	744.89	1010.0	1072.1	0.00000	-2.76512E-04
111020000	9.1192	32.803	9.1192	0.15787	744.85	1010.1	1072.5	0.00000	-2.57307E-04













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	1	0	0	0	0	0	0	0	0	0	0	0	0
56220000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
56230000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
56240000	0	1	0	0	0	0	0	0	0	0	0	0	0	0

56250000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
56260000	0	3	0	0	0	0	0	0	0	0	0	0	0	0
56270000	0	6	0	0	0	0	0	0	0	0	0	0	0	0
56280000	0	8	0	0	0	0	0	0	0	0	0	0	0	0
56290000	0	7	0	0	0	0	0	0	0	0	0	0	0	0
56300000	0	8	0	0	0	0	0	0	0	0	0	0	0	0
56310000	0	3	0	0	0	0	0	0	0	0	0	0	0	0
56320000	0	3	0	0	0	0	0	0	0	0	0	0	0	0
56330000	0	4	0	0	0	0	0	0	0	0	0	0	0	0
56340000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
56350000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
58010000	0	3	0	0	0	0	0	0	0	0	0	0	0	0
58020000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
58030000	0	3	0	0	0	0	0	0	0	0	0	0	0	0
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58050000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58060000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
58070000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
60010000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
60020000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
60030000	1	1	0	0	0	0	0	0	0	0	0	0	0	0
62010000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
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64010000	1	10	0	0	0	0	0	0	0	0	0	0	0	0
66010000	0	55	0	0	0	0	0	0	0	0	0	0	0	0
68010000	0	64	0	0	0	0	0	0	0	0	0	0	0	0
69010000	5	71	0	0	0	0	0	0	0	0	0	0	0	0
70010000	1	97	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	1	2	0	0	0	0	6	6	0	0	0	0	0	0
75010000	0	1	0	0	0	0	0	0	0	1	0	0	0	0
76010000	209	466	0	0	0	0	0	0	0	0	20	0	0	0
76020000	0	10	0	0	0	0	0	1	0	0	28	0	0	0
76030000	0	28	0	0	0	0	0	0	0	222	922	99	389	0
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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
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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
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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	12	0	6	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	158	0	18	0
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
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114030000	0	9	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	3	0	0	0
193010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195010000	0	6	0	0	0	0	0	0	0	0	0	0	0	0
195020000	0	407	0	2	0	0	0	12	0	1	3	0	1	0
198010000	1	6	0	0	0	0	0	0	0	0	0	0	0	0

JUN.NO. FROM VOL. TO VOL. LIQ. VEL. VAP. VEL. MASS FLOW JUN.AREA THROAT RATIO JUNCTION CHOKE NO. ADVS. CHOKED  
 C-36 PIPE COMPONENT (FT/SEC) (FT/SEC) (LP/SEC) (FT2) FLAGS FLAG FOOT TOTAL



95010000	0	34	0	0	0	0	0	2	0	0	0	12	0	6
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	158	0	18
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	9	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	3	0	0	0
193010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195010000	0	6	0	0	0	0	0	0	0	0	0	0	0	0
195020000	0	407	0	2	0	0	0	12	0	1	0	3	0	1
198010000	1	6	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 (LP/SEC)	JUN.AREA (FT2)	THROAT RATIO	JUNCTION FLAGS	CHOKE FLAG	NO. ADVS. CHOKED EDIT TOTAL
C-36	PIPE	COMPONENT								
36010000	36010000	36020000	742.16	742.16	112.22	0.20100	1.0000	1000	0	0 0
36020000	36020000	36030000	922.30	922.30	112.23	0.20100	1.0000	1000	0	0 0
C-96-040	SNGLJUN	COMPONENT								
37000000	96010000	40010000	177.47	177.47	21.251	0.20100	1.0000	0	0	0 10
C-38	PIPE	COMPONENT								
38010000	38010000	38020000	64.429	64.429	21.229	0.54800	1.0000	1000	0	0 0
38020000	38020000	38030000	64.409	64.409	21.218	0.54800	1.0000	1000	0	0 0
38030000	38030000	38040000	64.393	64.393	21.209	0.54800	1.0000	1000	0	0 0
38040000	38040000	38050000	64.378	64.378	21.200	0.54800	1.0000	1000	0	0 0
38050000	38050000	38060000	64.364	64.364	21.192	0.54800	1.0000	1000	0	0 0
38060000	38060000	38070000	64.347	64.347	21.184	0.54800	1.0000	1000	0	0 0
C-40-38	SNGLJUN	COMPONENT								
39000000	40010000	38010000	94.072	94.072	21.242	0.37500	1.0000	1000	0	0 0
C-38-42	SNGLJUN	COMPONENT								
41000000	38070000	42010000	64.328	64.328	21.176	0.54800	1.0000	1000	0	0 0
C-42-44	SNGLJUN	COMPONENT								
43000000	42010000	44010000	175.45	175.45	21.187	0.20100	1.0000	100	0	0 148
C-44-46	SNGLJUN	COMPONENT								
45000000	44010000	46010000	861.41	861.41	60.749	0.20100	1.0000	100	0	0 150
C-46	PIPE	COMPONENT								
46010000	46010000	46020000	247.67	247.67	60.753	0.54800	1.0000	1000	0	0 0
46020000	46020000	46030000	245.21	245.21	60.752	0.54800	1.0000	1000	0	0 0
C-46-48	SNGLJUN	COMPONENT								
47000000	46030000	114010000	245.17	245.17	60.747	0.54800	1.0000	1000	0	0 0
C-48	PIPE	COMPONENT								
48010000	48010000	48020000	391.83	391.83	60.467	0.54800	1.0000	1000	0	0 0
48020000	48020000	48030000	400.87	400.87	60.212	0.54800	1.0000	1000	0	0 0
48030000	48030000	48040000	400.19	400.19	59.957	0.54800	1.0000	1000	0	0 0
48040000	48040000	48050000	398.63	398.63	59.712	0.54800	1.0000	1000	0	0 0
48050000	48050000	48060000	396.97	396.97	59.462	0.54800	1.0000	1000	0	0 0
48060000	48060000	48070000	395.36	395.36	59.223	0.54800	1.0000	1000	0	0 0
48070000	48070000	48080000	393.80	393.80	58.989	0.54800	1.0000	1000	0	0 0
48080000	48080000	48090000	392.29	392.29	58.761	0.54800	1.0000	1000	0	0 0
C-48-50	SNGLJUN	COMPONENT								
49000000	48090000	50010000	390.84	390.84	58.539	0.54800	1.0000	1000	0	0 0
C-50	PIPE	COMPONENT								
50010000	50010000	50020000	392.45	392.45	58.311	0.54800	1.0000	1000	0	0 0
50020000	50020000	50030000	391.29	391.29	58.095	0.54800	1.0000	1000	0	0 0
50030000	50030000	50040000	389.94	389.94	57.882	0.54800	1.0000	1000	0	0 0
50040000	50040000	50050000	388.62	388.62	57.673	0.54800	1.0000	1000	0	0 0
C-50-52	SNGLJUN	COMPONENT								
51000000	50050000	52010000	387.34	387.34	57.469	0.54800	1.0000	1000	0	0 0
C-52-54	SNGLJUN	COMPONENT								
53000000	52010000	54010000	386.12	386.12	57.273	0.54800	1.0000	1000	0	0 0
C-54	PIPE	COMPONENT								

54010000	54010000	54020000	394.65	394.65	57.087	0.54800	1.0000	1000	0	0 0
54020000	54020000	54030000	394.18	394.18	56.884	0.54800	1.0000	1000	0	0 0
54030000	54030000	54040000	393.07	393.07	56.689	0.54800	1.0000	1000	0	0 0
54040000	54040000	54050000	391.95	391.95	56.500	0.54800	1.0000	1000	0	0 0
54050000	54050000	54060000	390.84	390.84	56.314	0.54800	1.0000	1000	0	0 0
54060000	54060000	54070000	389.76	389.76	56.130	0.54800	1.0000	1000	0	0 0
54070000	54070000	54080000	388.70	388.70	55.947	0.54800	1.0000	1000	0	0 0
54080000	54080000	54090000	387.65	387.65	55.766	0.54800	1.0000	1000	0	0 0
54090000	54090000	54100000	386.60	386.60	55.586	0.54800	1.0000	1000	0	0 0
54100000	54100000	54110000	385.56	385.56	55.406	0.54800	1.0000	1000	0	0 0
54110000	54110000	54120000	384.52	384.52	55.226	0.54800	1.0000	1000	0	0 0
54120000	54120000	54130000	383.46	383.46	55.045	0.54800	1.0000	1000	0	0 0
54130000	54130000	54140000	382.40	382.40	54.864	0.54800	1.0000	1000	0	0 0
54140000	54140000	54150000	381.32	381.32	54.681	0.54800	1.0000	1000	0	0 0
54150000	54150000	54160000	380.23	380.23	54.497	0.54800	1.0000	1000	0	0 0



48060000	48080000	48090000	392.29	392.29	58.761	0.54800	1.0000	1000	0	0	0
C-48-50 SNGLJUN COMPONENT											
49000000	48090000	50010000	390.84	390.84	58.539	0.54800	1.0000	1000	0	0	0
C-50 PIPE COMPONENT											
50010000	50010000	50020000	392.45	392.45	58.311	0.54800	1.0000	1000	0	0	0
50020000	50020000	50030000	391.29	391.29	58.095	0.54800	1.0000	1000	0	0	0
50030000	50030000	50040000	389.94	389.94	57.882	0.54800	1.0000	1000	0	0	0
50040000	50040000	50050000	388.62	388.62	57.673	0.54800	1.0000	1000	0	0	0
C-50-52 SNGLJUN COMPONENT											
51000000	50050000	52010000	387.34	387.34	57.469	0.54800	1.0000	1000	0	0	0
C-52-54 SNGLJUN COMPONENT											
53000000	52010000	54010000	386.12	386.12	57.273	0.54800	1.0000	1000	0	0	0
C-54 PIPE COMPONENT											

54010000	54010000	54020000	394.65	394.65	57.087	0.54800	1.0000	1000	0	0	0
54020000	54020000	54030000	394.18	394.18	56.884	0.54800	1.0000	1000	0	0	0
54030000	54030000	54040000	393.07	393.07	56.689	0.54800	1.0000	1000	0	0	0
54040000	54040000	54050000	391.95	391.95	56.500	0.54800	1.0000	1000	0	0	0
54050000	54050000	54060000	390.84	390.84	56.314	0.54800	1.0000	1000	0	0	0
54060000	54060000	54070000	389.76	389.76	56.130	0.54800	1.0000	1000	0	0	0
54070000	54070000	54080000	388.70	388.70	55.947	0.54800	1.0000	1000	0	0	0
54080000	54080000	54090000	387.65	387.65	55.766	0.54800	1.0000	1000	0	0	0
54090000	54090000	54100000	386.60	386.60	55.586	0.54800	1.0000	1000	0	0	0
54100000	54100000	54110000	385.56	385.56	55.406	0.54800	1.0000	1000	0	0	0
54110000	54110000	54120000	384.52	384.52	55.226	0.54800	1.0000	1000	0	0	0
54120000	54120000	54130000	383.46	383.46	55.045	0.54800	1.0000	1000	0	0	0
54130000	54130000	54140000	382.40	382.40	54.864	0.54800	1.0000	1000	0	0	0
54140000	54140000	54150000	381.32	381.32	54.681	0.54800	1.0000	1000	0	0	0
54150000	54150000	54160000	380.23	380.23	54.497	0.54800	1.0000	1000	0	0	0
54160000	54160000	54170000	379.12	379.12	54.311	0.54800	1.0000	1000	0	0	0
54170000	54170000	54180000	377.98	377.98	54.123	0.54800	1.0000	1000	0	0	0
54180000	54180000	54190000	376.82	376.82	53.933	0.54800	1.0000	1000	0	0	0
54190000	54190000	54200000	375.64	375.64	53.740	0.54800	1.0000	1000	0	0	0
54200000	54200000	54210000	374.42	374.42	53.545	0.54800	1.0000	1000	0	0	0
54210000	54210000	54220000	373.19	373.19	53.348	0.54800	1.0000	1000	0	0	0
54220000	54220000	54230000	371.92	371.92	53.148	0.54800	1.0000	1000	0	0	0
54230000	54230000	54240000	370.63	370.63	52.945	0.54800	1.0000	1000	0	0	0
54240000	54240000	54250000	369.30	369.30	52.740	0.54800	1.0000	1000	0	0	0
54250000	54250000	54260000	367.95	367.95	52.532	0.54800	1.0000	1000	0	0	0
54260000	54260000	54270000	366.57	366.57	52.322	0.54800	1.0000	1000	0	0	0
54270000	54270000	54280000	365.16	365.16	52.109	0.54800	1.0000	1000	0	0	0
54280000	54280000	54290000	363.73	363.73	51.894	0.54800	1.0000	1000	0	0	0
54290000	54290000	54300000	362.26	362.26	51.676	0.54800	1.0000	1000	0	0	0
54300000	54300000	54310000	360.77	360.77	51.456	0.54800	1.0000	1000	0	0	0
54310000	54310000	54320000	359.26	359.26	51.234	0.54800	1.0000	1000	0	0	0
54320000	54320000	54330000	357.71	357.71	51.009	0.54800	1.0000	1000	0	0	0
54330000	54330000	54340000	356.15	356.15	50.782	0.54800	1.0000	1000	0	0	0
54340000	54340000	54350000	354.56	354.56	50.554	0.54800	1.0000	1000	0	0	0
54350000	54350000	54360000	352.95	352.95	50.323	0.54800	1.0000	1000	0	0	0
54360000	54360000	54370000	351.32	351.32	50.092	0.54800	1.0000	1000	0	0	0
54370000	54370000	54380000	349.67	349.67	49.858	0.54800	1.0000	1000	0	0	0
54380000	54380000	54390000	348.00	348.00	49.624	0.54800	1.0000	1000	0	0	0
54390000	54390000	54400000	346.31	346.31	49.388	0.54800	1.0000	1000	0	0	0
54400000	54400000	54410000	344.60	344.60	49.149	0.54800	1.0000	1000	0	0	0
54410000	54410000	54420000	342.92	342.92	48.917	0.54800	1.0000	1000	0	0	0
54420000	54420000	54430000	341.17	341.17	48.673	0.54800	1.0000	1000	0	0	0
54430000	54430000	54440000	339.45	339.45	48.439	0.54800	1.0000	1000	0	0	0
54440000	54440000	54450000	337.72	337.72	48.203	0.54800	1.0000	1000	0	0	0
54450000	54450000	54460000	335.94	335.94	47.959	0.54800	1.0000	1000	0	0	0
54460000	54460000	54470000	334.22	334.22	47.727	0.54800	1.0000	1000	0	0	0
54470000	54470000	54480000	332.44	332.44	47.485	0.54800	1.0000	1000	0	0	0
54480000	54480000	54490000	330.67	330.67	47.248	0.54800	1.0000	1000	0	0	0
54490000	54490000	54500000	328.95	328.95	47.019	0.54800	1.0000	1000	0	0	0
54500000	54500000	54510000	327.17	327.17	46.780	0.54800	1.0000	1000	0	0	0
54510000	54510000	54520000	325.42	325.42	46.545	0.54800	1.0000	1000	0	0	0
54520000	54520000	54530000	323.65	323.65	46.310	0.54800	1.0000	1000	0	0	0
54530000	54530000	54540000	321.89	321.89	46.077	0.54800	1.0000	1000	0	0	0
54540000	54540000	54550000	320.11	320.11	45.843	0.54800	1.0000	1000	0	0	0
54550000	54550000	54560000	318.32	318.32	45.608	0.54800	1.0000	1000	0	0	0
54560000	54560000	54570000	316.51	316.51	45.373	0.54800	1.0000	1000	0	0	0
54570000	54570000	54580000	314.68	314.68	45.138	0.54800	1.0000	1000	0	0	0
54580000	54580000	54590000	312.84	312.84	44.903	0.54800	1.0000	1000	0	0	0
54590000	54590000	54600000	310.98	310.98	44.668	0.54800	1.0000	1000	0	0	0
54600000	54600000	54610000	309.08	309.08	44.431	0.54800	1.0000	1000	0	0	0

54610000	54610000	54620000	307.16	307.16	44.193	0.54800	1.0000	1000	0	0	0
54620000	54620000	54630000	305.20	305.20	43.953	0.54800	1.0000	1000	0	0	0
54630000	54630000	54640000	303.20	303.20	43.710	0.54800	1.0000	1000	0	0	0
54640000	54640000	54650000	301.16	301.16	43.466	0.54800	1.0000	1000	0	0	0
54650000	54650000	54660000	299.09	299.09	43.219	0.54800	1.0000	1000	0	0	0
54660000	54660000	54670000	296.97	296.97	42.970	0.54800	1.0000	1000	0	0	0
54670000	54670000	54680000	294.82	294.82	42.720	0.54800	1.0000	1000	0	0	0
54680000	54680000	54690000	292.63	292.63	42.468	0.54800	1.0000	1000	0	0	0
54690000	54690000	54700000	290.42	290.42	42.216	0.54800	1.0000	1000	0	0	0
54700000	54700000	54710000	288.19	288.19	41.965	0.54800	1.0000	1000	0	0	0
54710000	54710000	54720000	285.95	285.95	41.715	0.54800	1.0000	1000	0	0	0
54720000	54720000	54730000	283.70	283.70	41.468	0.54800	1.0000	1000	0	0	0
54730000	54730000	54740000	281.46	281.46	41.225	0.54800	1.0000	1000	0	0	0
54740000	54740000	54750000	279.23	279.23	40.986	0.54800	1.0000	1000	0	0	0
54750000	54750000	54760000	277.01	277.01	40.752	0.54800	1.0000	1000	0	0	0



54470000	54470000	54480000	332.44	332.44	47.248	0.54800	1.0000	1000	0	0	0
54480000	54480000	54490000	330.67	330.67	47.248	0.54800	1.0000	1000	0	0	0
54490000	54490000	54500000	328.95	328.95	47.019	0.54800	1.0000	1000	0	0	0
54500000	54500000	54510000	327.17	327.17	46.780	0.54800	1.0000	1000	0	0	0
54510000	54510000	54520000	325.42	325.42	46.545	0.54800	1.0000	1000	0	0	0
54520000	54520000	54530000	323.65	323.65	46.310	0.54800	1.0000	1000	0	0	0
54530000	54530000	54540000	321.89	321.89	46.077	0.54800	1.0000	1000	0	0	0
54540000	54540000	54550000	320.11	320.11	45.843	0.54800	1.0000	1000	0	0	0
54550000	54550000	54560000	318.32	318.32	45.608	0.54800	1.0000	1000	0	0	0
54560000	54560000	54570000	316.51	316.51	45.373	0.54800	1.0000	1000	0	0	0
54570000	54570000	54580000	314.68	314.68	45.138	0.54800	1.0000	1000	0	0	0
54580000	54580000	54590000	312.84	312.84	44.903	0.54800	1.0000	1000	0	0	0
54590000	54590000	54600000	310.98	310.98	44.668	0.54800	1.0000	1000	0	0	0
54600000	54600000	54610000	309.08	309.08	44.431	0.54800	1.0000	1000	0	0	0

54610000	54610000	54620000	307.16	307.16	44.193	0.54800	1.0000	1000	0	0	0
54620000	54620000	54630000	305.20	305.20	43.953	0.54800	1.0000	1000	0	0	0
54630000	54630000	54640000	303.20	303.20	43.710	0.54800	1.0000	1000	0	0	0
54640000	54640000	54650000	301.16	301.16	43.466	0.54800	1.0000	1000	0	0	0
54650000	54650000	54660000	299.09	299.09	43.219	0.54800	1.0000	1000	0	0	0
54660000	54660000	54670000	296.97	296.97	42.970	0.54800	1.0000	1000	0	0	0
54670000	54670000	54680000	294.82	294.82	42.720	0.54800	1.0000	1000	0	0	0
54680000	54680000	54690000	292.63	292.63	42.468	0.54800	1.0000	1000	0	0	0
54690000	54690000	54700000	290.42	290.42	42.216	0.54800	1.0000	1000	0	0	0
54700000	54700000	54710000	288.19	288.19	41.965	0.54800	1.0000	1000	0	0	0
54710000	54710000	54720000	285.95	285.95	41.715	0.54800	1.0000	1000	0	0	0
54720000	54720000	54730000	283.70	283.70	41.468	0.54800	1.0000	1000	0	0	0
54730000	54730000	54740000	281.46	281.46	41.225	0.54800	1.0000	1000	0	0	0
54740000	54740000	54750000	279.23	279.23	40.986	0.54800	1.0000	1000	0	0	0
54750000	54750000	54760000	277.01	277.01	40.752	0.54800	1.0000	1000	0	0	0
54760000	54760000	54770000	274.82	274.82	40.525	0.54800	1.0000	1000	0	0	0
54770000	54770000	54780000	272.65	272.65	40.303	0.54800	1.0000	1000	0	0	0
54780000	54780000	54790000	270.51	270.51	40.089	0.54800	1.0000	1000	0	0	0
54790000	54790000	54800000	268.40	268.40	39.882	0.54800	1.0000	1000	0	0	0
54800000	54800000	54810000	266.31	266.31	39.681	0.54800	1.0000	1000	0	0	0
54810000	54810000	54820000	264.25	264.25	39.487	0.54800	1.0000	1000	0	0	0
54820000	54820000	54830000	262.21	262.21	39.300	0.54800	1.0000	1000	0	0	0
54830000	54830000	54840000	260.20	260.20	39.119	0.54800	1.0000	1000	0	0	0
54840000	54840000	54850000	258.20	258.20	38.944	0.54800	1.0000	1000	0	0	0
54850000	54850000	54860000	256.21	256.21	38.775	0.54800	1.0000	1000	0	0	0
54860000	54860000	54870000	254.24	254.24	38.611	0.54800	1.0000	1000	0	0	0
54870000	54870000	54880000	252.28	252.28	38.452	0.54800	1.0000	1000	0	0	0
54880000	54880000	54890000	250.32	250.32	38.299	0.54800	1.0000	1000	0	0	0
54890000	54890000	54900000	248.38	248.38	38.150	0.54800	1.0000	1000	0	0	0
54900000	54900000	54910000	246.44	246.44	38.007	0.54800	1.0000	1000	0	0	0
54910000	54910000	54920000	244.52	244.52	37.870	0.54800	1.0000	1000	0	0	0
54920000	54920000	54930000	242.61	242.61	37.739	0.54800	1.0000	1000	0	0	0
54930000	54930000	54940000	240.70	240.70	37.615	0.54800	1.0000	1000	0	0	0
54940000	54940000	54950000	238.81	238.81	37.499	0.54800	1.0000	1000	0	0	0

C-54-56 SNGLJUN COMPONENT

55000000	54950000	56010000	236.94	236.94	37.393	0.54800	1.0000	1000	0	0	0
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C-56 PIPE COMPONENT

56010000	56010000	56020000	234.68	234.68	37.246	0.54800	1.0000	1000	0	0	0
56020000	56020000	56030000	231.64	231.64	37.148	0.54800	1.0000	1000	0	0	0
56030000	56030000	56040000	228.55	228.55	37.127	0.54800	1.0000	1000	0	0	0
56040000	56040000	56050000	225.42	225.42	37.231	0.54800	1.0000	1000	0	0	0
56050000	56050000	56060000	222.24	222.24	37.526	0.54800	1.0000	1000	0	0	0
56060000	56060000	56070000	219.01	219.01	38.103	0.54800	1.0000	1000	0	0	0
56070000	56070000	56080000	215.76	215.76	39.073	0.54800	1.0000	1000	0	0	0
56080000	56080000	56090000	212.54	212.54	40.551	0.54800	1.0000	1000	0	0	0
56090000	56090000	56100000	209.35	209.35	42.638	0.54800	1.0000	1000	0	0	0
56100000	56100000	56110000	206.18	206.18	45.386	0.54800	1.0000	1000	0	0	0
56110000	56110000	56120000	202.94	202.94	48.779	0.54800	1.0000	1000	0	0	0
56120000	56120000	56130000	199.57	199.57	52.713	0.54800	1.0000	1000	0	0	0
56130000	56130000	56140000	196.11	196.11	57.035	0.54800	1.0000	1000	0	0	0
56140000	56140000	56150000	192.86	192.86	61.583	0.54800	1.0000	1000	0	0	0
56150000	56150000	56160000	190.09	190.09	66.159	0.54800	1.0000	1000	0	0	0
56160000	56160000	56170000	187.35	187.35	70.281	0.54800	1.0000	1000	0	0	0
56170000	56170000	56180000	183.51	183.51	73.179	0.54800	1.0000	1000	0	0	0
56180000	56180000	56190000	179.61	179.61	74.701	0.54800	1.0000	1000	0	0	0
56190000	56190000	56200000	186.32	176.36	78.040	0.54800	1.0000	1000	0	0	0
56200000	56200000	56210000	184.29	173.49	81.656	0.54800	1.0000	1000	0	0	0
56210000	56210000	56220000	175.33	170.62	80.789	0.54800	1.0000	1000	0	0	0
56220000	56220000	56230000	169.07	169.07	77.722	0.54800	1.0000	1000	0	0	0
56230000	56230000	56240000	167.33	167.33	75.603	0.54800	1.0000	1000	0	0	0

56240000	56240000	56250000	166.26	166.26	73.288	0.54800	1.0000	1000	0	0	0
56250000	56250000	56260000	162.51	162.51	69.531	0.54800	1.0000	1000	0	0	0
56260000	56260000	56270000	159.99	159.99	66.573	0.54800	1.0000	1000	0	0	0
56270000	56270000	56280000	182.67	159.22	72.109	0.54800	1.0000	1000	0	0	0
56280000	56280000	56290000	197.36	159.34	87.937	0.54800	1.0000	1000	0	0	0
56290000	56290000	56300000	202.76	161.48	106.80	0.54800	1.0000	1000	0	0	0
56300000	56300000	56310000	203.85	164.75	124.58	0.54800	1.0000	1000	0	0	0
56310000	56310000	56320000	203.47	167.43	139.85	0.54800	1.0000	1000	0	0	0
56320000	56320000	56330000	202.80	169.60	152.66	0.54800	1.0000	1000	0	0	0
56330000	56330000	56340000	202.23	172.32	163.57	0.54800	1.0000	1000	0	0	0
56340000	56340000	56350000	202.08	176.01	172.98	0.54800	1.0000	1000	0	0	0

C-56-58 SNGLJUN COMPONENT

57000000	56350000	58010000	196.88	180.45	181.11	0.54800	1.0000	1000	0	0	0
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C-58 PIPE COMPONENT

58010000	58010000	58020000	188.16	185.62	188.68	0.54800	1.0000	1000	0	0	0
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56100000	56100000	56110000	202.94	202.94	48.779	0.54800	1.0000	1000	0	0	0
56110000	56110000	56120000	199.57	199.57	52.713	0.54800	1.0000	1000	0	0	0
56120000	56120000	56130000	196.11	196.11	57.035	0.54800	1.0000	1000	0	0	0
56130000	56130000	56140000	192.86	192.86	61.583	0.54800	1.0000	1000	0	0	0
56140000	56140000	56150000	190.09	190.09	66.159	0.54800	1.0000	1000	0	0	0
56150000	56150000	56160000	187.35	187.35	70.281	0.54800	1.0000	1000	0	0	0
56160000	56160000	56170000	183.51	183.51	73.179	0.54800	1.0000	1000	0	0	0
56170000	56170000	56180000	179.61	179.61	74.701	0.54800	1.0000	1000	0	0	0
56180000	56180000	56190000	186.32	176.36	78.040	0.54800	1.0000	1000	0	0	0
56190000	56190000	56200000	184.29	173.49	81.656	0.54800	1.0000	1000	0	0	0
56200000	56200000	56210000	175.33	170.62	80.789	0.54800	1.0000	1000	0	0	0
56210000	56210000	56220000	169.07	169.07	77.722	0.54800	1.0000	1000	0	0	0
56220000	56220000	56230000	167.33	167.33	75.603	0.54800	1.0000	1000	0	0	0
56230000	56230000	56240000									

56240000	56240000	56250000	166.26	166.26	73.288	0.54800	1.0000	1000	0	0	0
56250000	56250000	56260000	162.51	162.51	69.531	0.54800	1.0000	1000	0	0	0
56260000	56260000	56270000	159.99	159.99	66.573	0.54800	1.0000	1000	0	0	0
56270000	56270000	56280000	182.67	159.22	72.109	0.54800	1.0000	1000	0	0	0
56280000	56280000	56290000	197.36	159.34	87.937	0.54800	1.0000	1000	0	0	0
56290000	56290000	56300000	202.76	161.48	106.80	0.54800	1.0000	1000	0	0	0
56300000	56300000	56310000	203.85	164.75	124.58	0.54800	1.0000	1000	0	0	0
56310000	56310000	56320000	203.47	167.43	139.85	0.54800	1.0000	1000	0	0	0
56320000	56320000	56330000	202.80	169.61	152.66	0.54800	1.0000	1000	0	0	0
56330000	56330000	56340000	202.23	172.32	163.57	0.54800	1.0000	1000	0	0	0
56340000	56340000	56350000	202.08	176.01	172.98	0.54800	1.0000	1000	0	0	0
C-56-58	SNGLJUN	COMPONENT									
57000000	56350000	58010000	196.88	180.45	181.11	0.54800	1.0000	1000	0	0	0
C-58	PIPE	COMPONENT									
58010000	58010000	58020000	198.16	185.62	188.68	0.54800	1.0000	1000	0	0	0
58020000	58020000	58030000	199.32	190.64	195.23	0.54800	1.0000	1000	0	0	0
58030000	58030000	58040000	201.66	195.78	201.01	0.54800	1.0000	1000	0	0	0
58040000	58040000	58050000	203.58	201.04	206.17	0.54800	1.0000	1000	0	0	0
58050000	58050000	58060000	205.51	206.37	210.96	0.54800	1.0000	1000	0	0	0
58060000	58060000	58070000	207.79	211.68	215.91	0.54800	1.0000	1000	0	0	0
C-58-60	SNGLJUN	COMPONENT									
59000000	58070000	60010000	194.18	217.63	222.49	0.54800	1.0000	1000	0	0	0
C-60	PIPE	COMPONENT									
60010000	60010000	60020000	197.13	224.61	233.83	0.54800	1.0000	1000	0	0	0
60020000	60020000	60030000	200.47	230.65	252.63	0.54800	1.0000	1000	0	0	0
C-60-62	SNGLJUN	COMPONENT									
61000000	60030000	62010000	203.90	236.61	282.69	0.54800	1.0000	1000	0	0	0
C-62	PIPE	COMPONENT									
62010000	62010000	62020000	207.96	242.06	321.02	0.54800	1.0000	1000	0	0	0
C-62-64	SNGLJUN	COMPONENT									
63000000	62020000	64010000	204.92	247.84	374.68	0.54800	1.0000	1000	0	0	0
C-64-66	SNGLJUN	COMPONENT									
65000000	64010000	66010000	214.22	255.46	481.27	0.54800	1.0000	1000	0	0	0
C-66-68	SNGLJUN	COMPONENT									
67000000	66010000	68010000	208.87	265.61	571.35	0.54800	1.0000	1000	0	0	0
C-69	BRANCH	COMPONENT									
69010000	68010000	69010000	277.00	278.32	621.67	0.54800	1.0000	1000	0	0	0
69020000	69010000	73010000	297.09	296.95	292.86	0.27300	1.0000	0	1	72	72
69030000	69010000	70010000	222.33	223.04	440.04	0.54800	1.0000	1000	0	0	0
C-70	BRANCH	COMPONENT									
70010000	70010000	73010000	202.24	202.20	547.49	0.27300	1.0000	0	1	143	143
70020000	70010000	71010000	89.832	89.617	488.12	0.54800	1.0000	1000	0	0	0
C-71-73	SNGLJUN	COMPONENT									
72000000	71010000	73010000	119.55	119.36	1310.7	0.28500	1.0000	0	1	4	4
C-73-75	SNGLJUN	COMPONENT									
74000000	73010000	75010000	7.0828	7.1024	43960.	106.60	1.0000	1000	0	0	0
C-76	PIPE	COMPONENT									
76010000	76010000	76020000	787.15	787.15	112.42	0.20100	1.0000	1000	0	0	0
76020000	76020000	76030000	1000.8	1000.8	112.23	0.20100	1.0000	1000	0	0	0
76030000	76030000	76040000	1138.7	1138.7	112.36	0.20100	1.0000	1000	0	0	0
C-76-044	SNGLJUN	COMPONENT									
77000000	76040000	44010000	1256.1	1256.1	112.32	0.20100	1.0000	100	1	222	1251
C178-76	VALVE	COMPONENT									
78000000	178010000	76010000	1036.4	1037.3	113.29	1.70000E-02	1.0000	100	1	222	1804
C-81-79	SNGLJUN	COMPONENT									
80000000	81010000	79010000	84.208	84.208	112.43	0.14700	1.0000	1000	0	0	0
C-83-81	SNGLJUN	COMPONENT									
82000000	83020000	81010000	84.044	84.044	112.49	0.14700	1.0000	1000	0	0	0
C-83	PIPE	COMPONENT									
83010000	83010000	83020000	-1.39073E-02	-1.39073E-02	-1.86140E-02	0.14700	1.0000	1000	0	0	0

C-85-83	SNGLJUN	COMPONENT									
84000000	83020000	85010000	-84.038	-84.038	-112.57	0.14700	1.0000	1000	0	6	0
C-85	PIPE	COMPONENT									
85010000	85010000	85020000	1.80742E-02	1.80742E-02	2.42112E-02	0.14700	1.0000	1000	0	0	0
C-87-85	SNGLJUN	COMPONENT									
86000000	87010000	85010000	84.243	84.243	112.67	0.14700	1.0000	1000	0	0	0
C-89-87	SNGLJUN	COMPONENT									
88000000	89010000	87010000	84.211	84.211	112.73	0.14700	1.0000	1000	0	0	0
C-91-89	SNGLJUN	COMPONENT									
90000000	91030000	89010000	84.224	84.224	112.81	0.14700	1.0000	1000	0	0	0
C-91	PIPE	COMPONENT									
91010000	91010000	91020000	84.261	84.261	113.04	0.14700	1.0000	1000	0	0	0
91020000	91020000	91030000	84.243	84.243	112.93	0.14700	1.0000	1000	0	0	0
C-01-91	SNGLJUN	COMPONENT									
92000000	1010000	91010000	83.977	83.977	113.15	0.14700	1.0000	1000	0	0	0



76010000	76010000	76020000	87.15	787.15	112.42	0.20100	1.0000	1000	0	0	0
76020000	76020000	76030000	1000.8	1000.8	112.23	0.20100	1.0000	1000	0	0	0
76030000	76030000	76040000	1138.7	1138.7	112.36	0.20100	1.0000	1000	0	0	0
C-76-044	SNGLJUN	COMPONENT									
77000000	76040000	44010000	1256.1	1256.1	112.32	0.20100	1.0000	100	1	222	1251
C178-76	VALVE	COMPONENT									
78000000	178010000	76010000	1036.4	1037.3	113.29	1.70000E-02	1.0000	100	1	222	1804
C-81-79	SNGLJUN	COMPONENT									
80000000	81010000	79010000	84.208	84.208	112.43	0.14700	1.0000	1000	0	0	0
C-83-81	SNGLJUN	COMPONENT									
82000000	83020000	81010000	84.044	84.044	112.49	0.14700	1.0000	1000	0	0	0
C-83	PIPE	COMPONENT									
83010000	83010000	83020000	-1.39073E-02	-1.39073E-02	-1.86140E-02	0.14700	1.0000	1000	0	0	0

C-85-83	SNGLJUN	COMPONENT									
84000000	83020000	85010000	-84.038	-84.038	-112.57	0.14700	1.0000	1000	0	0	0
C-85	PIPE	COMPONENT									
85010000	85010000	85020000	1.80742E-02	1.80742E-02	2.42112E-02	0.14700	1.0000	1000	0	0	0
C-87-85	SNGLJUN	COMPONENT									
86000000	87010000	85010000	84.243	84.243	112.67	0.14700	1.0000	1000	0	0	0
C-89-87	SNGLJUN	COMPONENT									
88000000	89010000	87010000	84.211	84.211	112.73	0.14700	1.0000	1000	0	0	0
C-91-89	SNGLJUN	COMPONENT									
90000000	91030000	89010000	84.224	84.224	112.81	0.14700	1.0000	1000	0	0	0
C-91	PIPE	COMPONENT									
91010000	91010000	91020000	84.261	84.261	113.04	0.14700	1.0000	1000	0	0	0
91020000	91020000	91030000	84.243	84.243	112.93	0.14700	1.0000	1000	0	0	0
C-01-91	SNGLJUN	COMPONENT									
92000000	1010000	91010000	83.977	83.977	113.15	0.14700	1.0000	0	0	0	0
RD	VALVE	COMPONENT									
94000000	95010000	93010000	949.37	949.37	90.937	0.20100	0.81094	100	1	222	1665
PR-2A	VALVE	COMPONENT									
98000000	198010000	36010000	975.37	1033.0	111.27	1.70000E-02	1.0000	100	1	222	1804
C-100	SNGLJUN	COMPONENT									
100000000	101010000	99010000	84.279	84.279	112.31	0.14700	1.0000	1000	0	0	0
C1-103	SNGLJUN	COMPONENT									
102000000	103020000	101010000	84.256	84.256	112.37	0.14700	1.0000	1000	0	0	0
C-103	PIPE	COMPONENT									
103010000	103010000	103020000	84.267	84.267	112.44	0.14700	1.0000	1000	0	0	0
C5-103	SNGLJUN	COMPONENT									
104000000	105020000	103010000	84.245	84.245	112.51	0.14700	1.0000	1000	0	0	0
C-105	PIPE	COMPONENT									
105010000	105010000	105020000	84.264	84.264	112.62	0.14700	1.0000	1000	0	0	0
C7-105	SNGLJUN	COMPONENT									
106000000	107010000	105010000	84.284	84.284	112.73	0.14700	1.0000	1000	0	0	0
C9-107	SNGLJUN	COMPONENT									
108000000	109010000	107010000	84.252	84.252	112.79	0.14700	1.0000	1000	0	0	0
C11-109	SNGLJUN	COMPONENT									
110000000	111030000	109010000	84.265	84.265	112.87	0.14700	1.0000	1000	0	0	0
C-111	PIPE	COMPONENT									
111010000	111010000	111020000	84.299	84.299	113.09	0.14700	1.0000	1000	0	0	0
111020000	111020000	111030000	84.282	84.282	112.98	0.14700	1.0000	1000	0	0	0
C13-111	SNGLJUN	COMPONENT									
112000000	113010000	111010000	84.015	84.015	113.20	0.14700	1.0000	0	0	0	0
C-114	PIPE	COMPONENT									
114010000	114010000	114020000	245.96	245.96	60.738	0.54800	1.0000	1000	0	0	0
114020000	114020000	114030000	245.99	245.99	60.725	0.54800	1.0000	1000	0	0	0
C-119	SNGLJUN	COMPONENT									
119000000	36030000	136010000	1017.8	1017.8	112.20	0.20100	1.0000	1000	0	0	0
C-120	SNGLJUN	COMPONENT									
120000000	136010000	97010000	1144.1	1144.1	112.20	0.20100	1.0000	100	0	0	683
C-121	SNGLJUN	COMPONENT									
121000000	97010000	96010000	236.83	236.83	21.258	0.20100	1.0000	100	0	0	3
C-122	SNGLJUN	COMPONENT									
122000000	97010000	95010000	1013.1	1013.1	90.937	0.20100	0.92039	100	0	0	9
C-123	SNGLJUN	COMPONENT									
123000000	114030000	48010000	245.99	245.99	60.709	0.54800	0.25000	100	1	222	1610
RD	VALVE	COMPONENT									
194000000	195020000	193010000	1020.9	1020.9	72.721	0.18800	0.86702	100	1	222	1403
C-195	PIPE	COMPONENT									
195010000	195010000	195020000	992.55	992.55	72.728	0.18800	1.0000	0	0	0	209
C-44-195	SNGLJUN	COMPONENT									
196000000	44010000	195010000	1031.1	1031.1	72.719	0.20100	1.0000	100	0	0	0
V-INLET	SNGLJUN	COMPONENT									

278000000	79010000	178010000	728.08	728.08	112.35	1.70000E-02	1.0000	100	0	0	0
V-INLET	SNGLJUN	COMPONENT									
298000000	99010000	198010000	728.56	728.56	112.22	1.70000E-02	1.0000	100	0	0	0

JUN.NO.	RHOJFJ (LB/FT3)	RHOJGJ (LB/FT3)	MAP	REG	FIJ (LB.S/FT4)	VOIDGJ	VOIDD	VOIDT	CCAJ	FORMFJ	FORMGJ
36010000	53.416	0.60376	HRT	TCT	1.594E+17	0.997	0.941	0.941	0.000	0.00	0.00
36020000	54.203	0.47627	HRT	TCT	1.654E+17	0.997	0.470	0.470	0.000	0.00	0.00
37000000	54.145	0.46862	HRT	MST	1.643E+17	0.997	0.563	0.563	0.000	0.00	0.00
38010000	54.108	0.47367	HRT	TST	1.643E+17	0.997	1.00	1.00	0.000	0.00	0.00
38020000	54.108	0.47366	HRT	TST	1.644E+17	0.997	1.00	1.00	0.000	0.00	0.00
38030000	54.108	0.47365	HRT	TST	1.644E+17	0.997	1.00	1.00	0.000	0.00	0.00
38040000	54.108	0.47364	HRT	TST	1.644E+17	0.997	1.00	1.00	0.000	0.00	0.00
38050000	54.108	0.47363	HRT	TST	1.645E+17	0.997	1.00	1.00	0.000	0.00	0.00
38060000	54.108	0.47362	HRT	TST	1.645E+17	0.997	1.00	1.00	2.099E-10	0.00	0.00



12000000	136010000	97010000	1144.1	1144.1	112.20	0.20100	1.0000	100	0	0	683
C-121	SNGLJUN	COMPONENT									
121000000	97010000	96010000	236.83	236.83	21.258	0.20100	1.0000	100	0	0	3
C-122	SNGLJUN	COMPONENT									
122000000	97010000	95010000	1013.1	1013.1	90.937	0.20100	0.92039	100	0	0	9
C-123	SNGLJUN	COMPONENT									
123000000	114030000	48010000	245.99	245.99	60.709	0.54800	0.25000	100	1	222	1610
RD	VALVE	COMPONENT									
194000000	195020000	193010000	1020.9	1020.9	72.721	0.18800	0.86702	100	1	222	1403
C-195	PIPE	COMPONENT									
195010000	195010000	195020000	992.55	992.55	72.728	0.18800	1.0000	0	0	0	209
C-44-195	SNGLJUN	COMPONENT									
196000000	44010000	195010000	1031.1	1031.1	72.719	0.20100	1.0000	100	0	0	0
V-INLET	SNGLJUN	COMPONENT									

278000000	79010000	178010000	728.08	728.08	112.35	1.70000E-02	1.0000	100	0	0	0
V-INLET	SNGLJUN	COMPONENT									
298000000	99010000	198010000	728.56	728.56	112.22	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	53.416	0.60376	HRT	TCT	1.594E+17	0.997	0.941	0.941	0.000	0.00	0.00
36020000	54.203	0.47627	HRT	TCT	1.654E+17	0.997	0.470	0.470	0.000	0.00	0.00
37000000	54.145	0.46862	HRT	MST	1.643E+17	0.997	0.563	0.563	0.000	0.00	0.00
38010000	54.108	0.47367	HRT	TST	1.643E+17	0.997	1.00	1.00	0.000	0.00	0.00
38020000	54.108	0.47366	HRT	TST	1.644E+17	0.997	1.00	1.00	0.000	0.00	0.00
38030000	54.108	0.47365	HRT	TST	1.644E+17	0.997	1.00	1.00	0.000	0.00	0.00
38040000	54.108	0.47364	HRT	TST	1.644E+17	0.997	1.00	1.00	0.000	0.00	0.00
38050000	54.108	0.47363	HRT	TST	1.645E+17	0.997	1.00	1.00	2.099E-10	0.00	0.00
38060000	54.108	0.47362	HRT	TST	1.645E+17	0.997	1.00	1.00	2.640E-09	0.00	0.00
39000000	54.104	0.47415	HRT	MST	1.642E+17	0.997	1.00	1.00	0.000	0.00	0.00
41000000	54.108	0.47362	HRT	TST	1.586E+17	0.997	1.00	1.00	2.205E-08	0.00	0.00
43000000	54.108	0.47361	HRT	MST	1.630E+17	0.997	0.990	0.993	1.114E-07	1.95E-02	0.31
45000000	55.932	0.26959	HRT	MST	1.805E+17	0.998	0.998	0.998	1.882E-08	0.39	0.40
46010000	55.102	0.35118	HRT	MST	1.774E+17	0.998	0.631	0.631	2.125E-08	0.00	0.00
46020000	55.068	0.35493	HRT	MST	1.773E+17	0.998	1.00	1.00	2.747E-08	0.00	0.00
47000000	55.068	0.35499	HRT	MST	1.774E+17	0.998	1.00	1.00	3.552E-08	0.00	0.00
48010000	56.361	0.22659	HRT	MST	1.940E+17	0.999	1.00	1.00	7.560E-08	0.00	0.00
48020000	56.436	0.22031	HRT	MST	1.940E+17	0.999	1.00	1.00	8.470E-08	0.00	0.00
48030000	56.442	0.21973	HRT	MST	1.940E+17	0.999	1.00	1.00	9.476E-08	0.00	0.00
48040000	56.441	0.21974	HRT	MST	1.940E+17	0.999	1.00	1.00	1.060E-07	0.00	0.00
48050000	56.441	0.21978	HRT	MST	1.940E+17	0.999	1.00	1.00	1.185E-07	0.00	0.00
48060000	56.440	0.21984	HRT	MST	1.940E+17	0.999	1.00	1.00	1.324E-07	0.00	0.00
48070000	56.439	0.21989	HRT	MST	1.940E+17	0.999	1.00	1.00	1.480E-07	0.00	0.00
48080000	56.439	0.21992	HRT	MST	1.940E+17	0.999	1.00	1.00	1.654E-07	0.00	0.00
49000000	56.439	0.21995	HRT	MST	1.940E+17	0.999	1.00	1.00	1.849E-07	0.00	0.00
50010000	56.458	0.21830	VRT	MST	1.940E+17	0.999	1.00	1.00	2.070E-07	0.00	0.00
50020000	56.460	0.21818	VRT	MST	1.940E+17	0.999	1.00	1.00	2.319E-07	0.00	0.00
50030000	56.460	0.21817	VRT	MST	1.940E+17	0.999	1.00	1.00	2.597E-07	0.00	0.00
50040000	56.460	0.21816	VRT	MST	1.940E+17	0.999	1.00	1.00	2.908E-07	0.00	0.00
51000000	56.460	0.21815	VRT	MST	1.940E+17	0.999	1.00	1.00	3.255E-07	0.00	0.00
53000000	56.460	0.21813	HRT	MST	1.940E+17	0.999	1.00	1.00	3.622E-07	0.00	0.00
54010000	56.522	0.21298	VRT	MST	1.940E+17	0.999	1.00	1.00	4.066E-07	0.00	0.00
54020000	56.528	0.21249	VRT	MST	1.940E+17	0.999	1.00	1.00	4.567E-07	0.00	0.00
54030000	56.529	0.21239	VRT	MST	1.940E+17	0.999	1.00	1.00	5.128E-07	0.00	0.00
54040000	56.530	0.21234	VRT	MST	1.940E+17	0.999	1.00	1.00	5.756E-07	0.00	0.00
54050000	56.531	0.21227	VRT	MST	1.940E+17	0.999	1.00	1.00	6.460E-07	0.00	0.00
54060000	56.532	0.21221	VRT	MST	1.940E+17	0.999	1.00	1.00	7.249E-07	0.00	0.00
54070000	56.533	0.21214	VRT	MST	1.940E+17	0.999	1.00	1.00	8.131E-07	0.00	0.00
54080000	56.533	0.21207	VRT	MST	1.940E+17	0.999	1.00	1.00	9.119E-07	0.00	0.00
54090000	56.534	0.21199	VRT	MST	1.940E+17	0.999	1.00	1.00	1.022E-06	0.00	0.00
54100000	56.535	0.21192	VRT	MST	1.940E+17	0.999	1.00	1.00	1.146E-06	0.00	0.00
54110000	56.536	0.21185	VRT	MST	1.940E+17	0.999	1.00	1.00	1.284E-06	0.00	0.00
54120000	56.537	0.21178	VRT	MST	1.940E+17	0.999	1.00	1.00	1.439E-06	0.00	0.00
54130000	56.538	0.21171	VRT	MST	1.940E+17	0.999	1.00	1.00	1.611E-06	0.00	0.00
54140000	56.539	0.21164	VRT	MST	1.940E+17	0.999	1.00	1.00	1.804E-06	0.00	0.00
54150000	56.539	0.21157	VRT	MST	1.940E+17	0.999	1.00	1.00	2.020E-06	0.00	0.00
54160000	56.540	0.21151	VRT	MST	1.940E+17	0.999	1.00	1.00	2.260E-06	0.00	0.00
54170000	56.541	0.21146	VRT	MST	1.940E+17	0.999	1.00	1.00	2.529E-06	0.00	0.00
54180000	56.541	0.21140	VRT	MST	1.940E+17	0.999	1.00	1.00	2.829E-06	0.00	0.00
54190000	56.542	0.21136	VRT	MST	1.940E+17	0.999	1.00	1.00	3.164E-06	0.00	0.00
54200000	56.542	0.21132	VRT	MST	1.940E+17	0.999	1.00	1.00	3.537E-06	0.00	0.00
54210000	56.543	0.21128	VRT	MST	1.940E+17	0.999	1.00	1.00	3.954E-06	0.00	0.00
54220000	56.543	0.21125	VRT	MST	1.940E+17	0.999	1.00	1.00	4.419E-06	0.00	0.00
54230000	56.544	0.21123	VRT	MST	1.940E+17	0.999	1.00	1.00	4.937E-06	0.00	0.00

54240000	56.544	0.21121	VRT	MST	1.940E+17	0.999	1.00	1.00	5.514E-06	0.00	0.00
54250000	56.544	0.21119	VRT	MST	1.940E+17	0.999	1.00	1.00	6.158E-06	0.00	0.00
54260000	56.544	0.21119	VRT	MST	1.940E+17	0.999	1.00	1.00	6.875E-06	0.00	0.00
54270000	56.544	0.21119	VRT	MST	1.940E+17	0.999	1.00	1.00	7.675E-06	0.00	0.00
54280000	56.544	0.21115	VRT	MST	1.940E+17	0.999	1.00	1.00	8.565E-06	0.00	0.00
54290000	56.544	0.21120	VRT	MST	1.940E+17	0.999	1.00	1.00	9.557E-06	0.00	0.00
54300000	56.544	0.21122	VRT	MST	1.940E+17	0.999	1.00	1.00	1.066E-05	0.00	0.00
54310000	56.543	0.21124	VRT	MST	1.940E+17	0.999	1.00	1.00	1.189E-05	0.00	0.00
54320000	56.543	0.21127	VRT	MST	1.940E+17	0.999	1.00	1.00	1.326E-05	0.00	0.00
54330000	56.543	0.21130	VRT	MST	1.940E+17	0.999	1.00	1.00	1.479E-05	0.00	0.00
54340000	56.542	0.21134	VRT	MST	1.940E+17	0.999	1.00	1.00	1.648E-05	0.00	0.00
54350000	56.542	0.21138	VRT	MST	1.940E+17	0.999	1.00	1.00	1.837E-05	0.00	0.00
54360000	56.541	0.21143	VRT	MST	1.940E+17	0.999	1.00	1.00	2.047E-05	0.00	0.00
54370000	56.540	0.21148	VRT	MST	1.940E+17	0.999	1.00	1.00	2.281E-05	0.00	0.00
54380000	56.540	0.21154	VRT	MST	1.940E+17	0.999	1.00	1.00	2.531E-05	0.00	0.00



54110000	56.536	0.21185	VRT	MST	1.940E+17	0.999	1.00	1.00	1.284E-06	0.00	0.00
54120000	56.537	0.21178	VRT	MST	1.940E+17	0.999	1.00	1.00	1.439E-06	0.00	0.00
54130000	56.538	0.21171	VRT	MST	1.940E+17	0.999	1.00	1.00	1.611E-06	0.00	0.00
54140000	56.539	0.21164	VRT	MST	1.940E+17	0.999	1.00	1.00	1.804E-06	0.00	0.00
54150000	56.539	0.21157	VRT	MST	1.940E+17	0.999	1.00	1.00	2.020E-06	0.00	0.00
54160000	56.540	0.21151	VRT	MST	1.940E+17	0.999	1.00	1.00	2.260E-06	0.00	0.00
54170000	56.541	0.21146	VRT	MST	1.940E+17	0.999	1.00	1.00	2.529E-06	0.00	0.00
54180000	56.541	0.21140	VRT	MST	1.940E+17	0.999	1.00	1.00	2.829E-06	0.00	0.00
54190000	56.542	0.21136	VRT	MST	1.940E+17	0.999	1.00	1.00	3.164E-06	0.00	0.00
54200000	56.542	0.21132	VRT	MST	1.940E+17	0.999	1.00	1.00	3.537E-06	0.00	0.00
54210000	56.543	0.21128	VRT	MST	1.940E+17	0.999	1.00	1.00	3.954E-06	0.00	0.00
54220000	56.543	0.21125	VRT	MST	1.940E+17	0.999	1.00	1.00	4.419E-06	0.00	0.00
54230000	56.544	0.21123	VRT	MST	1.940E+17	0.999	1.00	1.00	4.937E-06	0.00	0.00

54240000	56.544	0.21121	VRT	MST	1.940E+17	0.999	1.00	1.00	5.514E-06	0.00	0.00
54250000	56.544	0.21119	VRT	MST	1.940E+17	0.999	1.00	1.00	6.158E-06	0.00	0.00
54260000	56.544	0.21119	VRT	MST	1.940E+17	0.999	1.00	1.00	6.875E-06	0.00	0.00
54270000	56.544	0.21119	VRT	MST	1.940E+17	0.999	1.00	1.00	7.675E-06	0.00	0.00
54280000	56.544	0.21119	VRT	MST	1.940E+17	0.999	1.00	1.00	8.565E-06	0.00	0.00
54290000	56.544	0.21120	VRT	MST	1.940E+17	0.999	1.00	1.00	9.557E-06	0.00	0.00
54300000	56.544	0.21122	VRT	MST	1.940E+17	0.999	1.00	1.00	1.066E-05	0.00	0.00
54310000	56.543	0.21124	VRT	MST	1.940E+17	0.999	1.00	1.00	1.189E-05	0.00	0.00
54320000	56.543	0.21127	VRT	MST	1.940E+17	0.999	1.00	1.00	1.326E-05	0.00	0.00
54330000	56.543	0.21130	VRT	MST	1.940E+17	0.999	1.00	1.00	1.479E-05	0.00	0.00
54340000	56.542	0.21134	VRT	MST	1.940E+17	0.999	1.00	1.00	1.648E-05	0.00	0.00
54350000	56.542	0.21138	VRT	MST	1.940E+17	0.999	1.00	1.00	1.837E-05	0.00	0.00
54360000	56.541	0.21143	VRT	MST	1.940E+17	0.999	1.00	1.00	2.047E-05	0.00	0.00
54370000	56.540	0.21148	VRT	MST	1.940E+17	0.999	1.00	1.00	2.281E-05	0.00	0.00
54380000	56.540	0.21154	VRT	MST	1.940E+17	0.999	1.00	1.00	2.541E-05	0.00	0.00
54390000	56.539	0.21160	VRT	MST	1.940E+17	0.999	1.00	1.00	2.831E-05	0.00	0.00
54400000	56.538	0.21166	VRT	MST	1.940E+17	0.999	1.00	1.00	3.152E-05	0.00	0.00
54410000	56.538	0.21174	VRT	MST	1.940E+17	0.999	1.00	1.00	3.510E-05	0.00	0.00
54420000	56.537	0.21180	VRT	MST	1.940E+17	0.999	1.00	1.00	3.907E-05	0.00	0.00
54430000	56.536	0.21189	VRT	MST	1.940E+17	0.999	1.00	1.00	4.348E-05	0.00	0.00
54440000	56.535	0.21196	VRT	MST	1.940E+17	0.999	1.00	1.00	4.839E-05	0.00	0.00
54450000	56.534	0.21203	VRT	MST	1.940E+17	0.999	1.00	1.00	5.383E-05	0.00	0.00
54460000	56.533	0.21213	VRT	MST	1.940E+17	0.999	1.00	1.00	5.986E-05	0.00	0.00
54470000	56.532	0.21221	VRT	MST	1.940E+17	0.999	1.00	1.00	6.655E-05	0.00	0.00
54480000	56.531	0.21230	VRT	MST	1.940E+17	0.999	1.00	1.00	7.396E-05	0.00	0.00
54490000	56.530	0.21239	VRT	MST	1.940E+17	0.999	1.00	1.00	8.216E-05	0.00	0.00
54500000	56.528	0.21247	VRT	MST	1.940E+17	0.999	1.00	1.00	9.124E-05	0.00	0.00
54510000	56.527	0.21258	VRT	MST	1.940E+17	0.999	1.00	1.00	1.013E-04	0.00	0.00
54520000	56.526	0.21268	VRT	MST	1.940E+17	0.999	1.00	1.00	1.123E-04	0.00	0.00
54530000	56.525	0.21278	VRT	MST	1.940E+17	0.999	1.00	1.00	1.246E-04	0.00	0.00
54540000	56.524	0.21288	VRT	MST	1.940E+17	0.999	1.00	1.00	1.381E-04	0.00	0.00
54550000	56.523	0.21298	VRT	MST	1.940E+17	0.999	1.00	1.00	1.530E-04	0.00	0.00
54560000	56.521	0.21308	VRT	MST	1.940E+17	0.999	1.00	1.00	1.694E-04	0.00	0.00
54570000	56.520	0.21319	VRT	MST	1.940E+17	0.999	1.00	1.00	1.874E-04	0.00	0.00
54580000	56.519	0.21330	VRT	MST	1.940E+17	0.999	1.00	1.00	2.073E-04	0.00	0.00
54590000	56.518	0.21342	VRT	MST	1.940E+17	0.999	1.00	1.00	2.291E-04	0.00	0.00
54600000	56.516	0.21354	VRT	MST	1.940E+17	0.999	1.00	1.00	2.530E-04	0.00	0.00
54610000	56.515	0.21367	VRT	MST	1.940E+17	0.999	1.00	1.00	2.793E-04	0.00	0.00
54620000	56.513	0.21380	VRT	MST	1.940E+17	0.999	1.00	1.00	3.080E-04	0.00	0.00
54630000	56.511	0.21395	VRT	MST	1.940E+17	0.999	1.00	1.00	3.395E-04	0.00	0.00
54640000	56.510	0.21410	VRT	MST	1.940E+17	0.999	1.00	1.00	3.738E-04	0.00	0.00
54650000	56.508	0.21426	VRT	MST	1.940E+17	0.999	1.00	1.00	4.114E-04	0.00	0.00
54660000	56.506	0.21442	VRT	MST	1.940E+17	0.999	1.00	1.00	4.524E-04	0.00	0.00
54670000	56.504	0.21460	VRT	MST	1.940E+17	0.999	1.00	1.00	4.970E-04	0.00	0.00
54680000	56.502	0.21478	VRT	MST	1.940E+17	0.999	1.00	1.00	5.457E-04	0.00	0.00
54690000	56.500	0.21497	VRT	MST	1.940E+17	0.999	1.00	1.00	5.986E-04	0.00	0.00
54700000	56.498	0.21517	VRT	MST	1.940E+17	0.999	1.00	1.00	6.561E-04	0.00	0.00
54710000	56.495	0.21537	VRT	MST	1.940E+17	0.999	1.00	1.00	7.186E-04	0.00	0.00
54720000	56.493	0.21558	VRT	MST	1.940E+17	0.999	1.00	1.00	7.863E-04	0.00	0.00
54730000	56.491	0.21579	VRT	MST	1.940E+17	0.999	1.00	1.00	8.598E-04	0.00	0.00
54740000	56.488	0.21600	VRT	MST	1.940E+17	0.999	1.00	1.00	9.394E-04	0.00	0.00
54750000	56.486	0.21621	VRT	MST	1.940E+17	0.999	1.00	1.00	1.026E-03	0.00	0.00
54760000	56.484	0.21641	VRT	MST	1.940E+17	0.999	1.00	1.00	1.119E-03	0.00	0.00
54770000	56.482	0.21662	VRT	MST	1.940E+17	0.999	1.00	1.00	1.219E-03	0.00	0.00
54780000	56.479	0.21683	VRT	MST	1.940E+17	0.999	1.00	1.00	1.328E-03	0.00	0.00
54790000	56.477	0.21703	VRT	MST	1.940E+17	0.999	1.00	1.00	1.445E-03	0.00	0.00
54800000	56.475	0.21723	VRT	MST	1.940E+17	0.999	1.00	1.00	1.570E-03	0.00	0.00
54810000	56.473	0.21742	VRT	MST	1.940E+17	0.999	1.00	1.00	1.706E-03	0.00	0.00
54820000	56.471	0.21762	VRT	MST	1.940E+17	0.999	1.00	1.00	1.851E-03	0.00	0.00
54830000	56.469	0.21781	VRT	MST	1.938E+17	0.999	1.00	1.00	2.006E-03	0.00	0.00

54840000	56.468	0.21800	VRT	MST	1.935E+17	0.999	1.00	1.00	2.173E-03	0.00	0.00
54850000	56.466	0.21819	VRT	MST	1.932E+17	0.999	1.00	1.00	2.350E-03	0.00	0.00
54860000	56.464	0.21838	VRT	MST	1.929E+17	0.999	1.00	1.00	2.539E-03	0.00	0.00
54870000	56.462	0.21857	VRT	MST	1.926E+17	0.998	1.00	1.00	2.740E-03	0.00	0.00
54880000	56.461	0.21876	VRT	MST	1.922E+17	0.998	1.00	1.00	2.953E-03	0.00	0.00
54890000	56.459	0.21895	VRT	MST	1.919E+17	0.998	1.00	1.00	3.178E-03	0.00	0.00
54900000	56.457	0.21914	VRT	MST	1.915E+17	0.998	1.00	1.00	3.414E-03	0.00	0.00
54910000	56.456	0.21934	VRT	MST	1.911E+17	0.998	1.00	1.00	3.662E-03	0.00	0.00
54920000	56.454	0.21953	VRT	MST	1.907E+17	0.998	1.00	1.00	3.920E-03	0.00	0.00
54930000	56.452	0.21972	VRT	MST	1.902E+17	0.998	1.00	1.00	4.189E-03	0.00	0.00
54940000	56.451	0.21991	VRT	MST	1.898E+17	0.998	1.00	1.00	4.467E-03	0.00	0.00
55000000	56.449	0.22010	VRT	MST	1.890E+17	0.998	1.00	1.00	4.753E-03	0.00	0.00
56010000	56.456	0.21969	HRT	MST	1.882E+17	0.998	1.00	1.00	5.220E-03	0.00	0.00
56020000	56.453	0.21998	HRT	MST	1.870E+17	0.998	1.00	1.00	5.693E-03	0.00	0.00
56030000	56.451	0.22029	HRT	MST	1.854E+17	0.998	1.00	1.00	6.189E-03	0.00	0.00



54700000	56.498	0.21517	VRT	MST	1.940E+17	0.999	1.00	1.00	6.561E-04	0.00	0.00
54710000	56.495	0.21537	VRT	MST	1.940E+17	0.999	1.00	1.00	7.186E-04	0.00	0.00
54720000	56.493	0.21558	VRT	MST	1.940E+17	0.999	1.00	1.00	7.863E-04	0.00	0.00
54730000	56.491	0.21579	VRT	MST	1.940E+17	0.999	1.00	1.00	8.598E-04	0.00	0.00
54740000	56.488	0.21600	VRT	MST	1.940E+17	0.999	1.00	1.00	9.394E-04	0.00	0.00
54750000	56.486	0.21621	VRT	MST	1.940E+17	0.999	1.00	1.00	1.026E-03	0.00	0.00
54760000	56.484	0.21641	VRT	MST	1.940E+17	0.999	1.00	1.00	1.119E-03	0.00	0.00
54770000	56.482	0.21662	VRT	MST	1.940E+17	0.999	1.00	1.00	1.219E-03	0.00	0.00
54780000	56.479	0.21683	VRT	MST	1.940E+17	0.999	1.00	1.00	1.328E-03	0.00	0.00
54790000	56.477	0.21703	VRT	MST	1.940E+17	0.999	1.00	1.00	1.445E-03	0.00	0.00
54800000	56.475	0.21723	VRT	MST	1.940E+17	0.999	1.00	1.00	1.570E-03	0.00	0.00
54810000	56.473	0.21742	VRT	MST	1.940E+17	0.999	1.00	1.00	1.706E-03	0.00	0.00
54820000	56.471	0.21762	VRT	MST	1.940E+17	0.999	1.00	1.00	1.851E-03	0.00	0.00
54830000	56.469	0.21781	VRT	MST	1.938E+17	0.999	1.00	1.00	2.006E-03	0.00	0.00

54840000	56.468	0.21800	VRT	MST	1.935E+17	0.999	1.00	1.00	2.173E-03	0.00	0.00
54850000	56.466	0.21819	VRT	MST	1.932E+17	0.999	1.00	1.00	2.350E-03	0.00	0.00
54860000	56.464	0.21838	VRT	MST	1.929E+17	0.999	1.00	1.00	2.539E-03	0.00	0.00
54870000	56.462	0.21857	VRT	MST	1.926E+17	0.998	1.00	1.00	2.740E-03	0.00	0.00
54880000	56.461	0.21876	VRT	MST	1.922E+17	0.998	1.00	1.00	2.953E-03	0.00	0.00
54890000	56.459	0.21895	VRT	MST	1.919E+17	0.998	1.00	1.00	3.178E-03	0.00	0.00
54900000	56.457	0.21914	VRT	MST	1.915E+17	0.998	1.00	1.00	3.414E-03	0.00	0.00
54910000	56.456	0.21934	VRT	MST	1.911E+17	0.998	1.00	1.00	3.662E-03	0.00	0.00
54920000	56.454	0.21953	VRT	MST	1.907E+17	0.998	1.00	1.00	3.920E-03	0.00	0.00
54930000	56.452	0.21972	VRT	MST	1.902E+17	0.998	1.00	1.00	4.189E-03	0.00	0.00
54940000	56.451	0.21991	VRT	MST	1.898E+17	0.998	1.00	1.00	4.467E-03	0.00	0.00
55000000	56.449	0.22010	VRT	MST	1.890E+17	0.998	1.00	1.00	4.753E-03	0.00	0.00
56010000	56.456	0.21969	HRT	MST	1.882E+17	0.998	1.00	1.00	5.220E-03	0.00	0.00
56020000	56.453	0.21998	HRT	MST	1.870E+17	0.998	1.00	1.00	5.693E-03	0.00	0.00
56030000	56.451	0.22029	HRT	MST	1.854E+17	0.998	1.00	1.00	6.159E-03	0.00	0.00
56040000	56.448	0.22061	HRT	MST	1.833E+17	0.998	1.00	1.00	6.608E-03	0.00	0.00
56050000	56.446	0.22094	HRT	MST	1.803E+17	0.998	1.00	1.00	7.028E-03	0.00	0.00
56060000	56.443	0.22128	HRT	MST	1.761E+17	0.998	1.00	1.00	7.408E-03	0.00	0.00
56070000	56.439	0.22164	HRT	MST	1.702E+17	0.998	1.00	1.00	7.739E-03	0.00	0.00
56080000	56.436	0.22200	HRT	MST	1.623E+17	0.997	1.00	1.00	8.014E-03	0.00	0.00
56090000	56.432	0.22237	HRT	MST	1.521E+17	0.997	1.00	1.00	8.228E-03	0.00	0.00
56100000	56.428	0.22275	HRT	MST	1.393E+17	0.996	1.00	1.00	8.384E-03	0.00	0.00
56110000	56.424	0.22315	HRT	MST	1.239E+17	0.996	1.00	1.00	8.485E-03	0.00	0.00
56120000	56.419	0.22358	HRT	MST	1.063E+17	0.995	1.00	1.00	8.542E-03	0.00	0.00
56130000	56.413	0.22408	HRT	MST	8.713E+16	0.994	1.00	1.00	8.570E-03	0.00	0.00
56140000	56.407	0.22461	HRT	MST	6.727E+16	0.993	1.00	1.00	8.587E-03	0.00	0.00
56150000	56.402	0.22510	HRT	MST	4.793E+16	0.992	1.00	1.00	8.614E-03	0.00	0.00
56160000	56.397	0.22549	HRT	MST	3.046E+16	0.991	1.00	1.00	8.673E-03	0.00	0.00
56170000	56.392	0.22599	HRT	MST	1.670E+16	0.991	1.00	1.00	8.787E-03	0.00	0.00
56180000	56.383	0.22685	HRT	MST	7.555E+15	0.990	1.00	1.00	8.976E-03	0.00	0.00
56190000	56.375	0.22753	HRT	MST	6.035E+02	0.990	1.00	1.00	9.255E-03	0.00	0.00
56200000	56.374	0.22773	HRT	MST	5.140E+02	0.989	1.00	1.00	9.632E-03	0.00	0.00
56210000	56.372	0.22802	HRT	MST	1.67	0.989	1.00	1.00	1.011E-02	0.00	0.00
56220000	56.367	0.22858	HRT	MST	2.465E+04	0.989	1.00	1.00	1.069E-02	0.00	0.00
56230000	56.362	0.22917	HRT	MST	1.287E+09	0.989	1.00	1.00	1.136E-02	0.00	0.00
56240000	56.364	0.22914	HRT	MST	1.909E+14	0.989	1.00	1.00	1.210E-02	0.00	0.00
56250000	56.364	0.22941	HRT	MST	8.769E+15	0.990	1.00	1.00	1.291E-02	0.00	0.00
56260000	56.354	0.23045	HRT	MST	1.392E+16	0.990	1.00	1.00	1.376E-02	0.00	0.00
56270000	56.354	0.23062	HRT	MST	0.133	0.990	1.00	1.00	1.464E-02	0.00	0.00
56280000	56.355	0.23067	HRT	MST	0.271	0.988	1.00	1.00	1.550E-02	0.00	0.00
56290000	56.354	0.23098	HRT	MST	0.369	0.986	1.00	1.00	1.632E-02	0.00	0.00
56300000	56.351	0.23143	HRT	MST	0.402	0.983	1.00	1.00	1.708E-02	0.00	0.00
56310000	56.350	0.23164	HRT	MST	0.387	0.981	1.00	1.00	1.775E-02	0.00	0.00
56320000	56.353	0.23157	HRT	MST	0.341	0.979	1.00	1.00	1.831E-02	0.00	0.00
56330000	56.356	0.23137	HRT	MST	0.278	0.977	1.00	1.00	1.876E-02	0.00	0.00
56340000	56.360	0.23113	HRT	MST	0.214	0.975	1.00	1.00	1.913E-02	0.00	0.00
57000000	56.364	0.23086	HRT	MST	0.156	0.973	1.00	1.00	1.945E-02	0.00	0.00
58010000	56.370	0.23042	HRT	MST	0.119	0.972	1.00	1.00	1.985E-02	0.00	0.00
58020000	56.376	0.23004	HRT	MST	9.473E-02	0.972	1.00	1.00	2.052E-02	0.00	0.00
58030000	56.383	0.22973	HRT	MST	6.993E-02	0.971	1.00	1.00	2.179E-02	0.00	0.00
58040000	56.392	0.22953	HRT	MST	4.307E-02	0.971	1.00	1.00	2.424E-02	0.00	0.00
58050000	56.404	0.22952	HRT	MST	2.706E-02	0.970	1.00	1.00	2.867E-02	0.00	0.00
58060000	56.421	0.22980	HRT	TCT	7.305E-02	0.970	1.00	1.00	3.616E-02	0.00	0.00
59000000	56.446	0.23045	HRT	TCT	0.177	0.967	1.00	1.00	4.790E-02	0.00	0.00
60010000	56.492	0.23135	VRT	TCT	0.269	0.966	1.00	1.00	6.796E-02	0.00	0.00
60020000	56.550	0.23348	VRT	TCT	0.382	0.963	1.00	1.00	9.678E-02	0.00	0.00
61000000	56.627	0.23656	VRT	TCT	0.542	0.960	1.00	1.00	0.135	0.00	0.00
62010000	56.716	0.24001	VRT	CTM	0.997	0.955	1.00	1.00	0.176	0.00	0.00
63000000	56.824	0.24398	VRT	CTM	1.80	0.946	0.377	0.377	0.224	0.00	0.00
65000000	57.048	0.25110	HRT	CTM	3.00	0.933	0.000	0.000	0.312	0.00	0.00

67000000	57.271	0.25579	HRT	CTM	3.51	0.918	0.000	0.000	0.386	0.00	0.00
69010000	57.473	0.25628	HRT	CTM	572.	0.932	0.000	0.000	0.440	0.00	0.00
69020000	58.266	0.23948	HRT	CTB	0.165E+04	0.941	0.000	0.000	0.591	0.00	0.00
69030000	58.266	0.23948	HRT	CTM	466.	0.941	0.000	0.000	0.591	0.00	0.00
70010000	60.963	0.28626	HRT	CTB	0.165E+04	0.841	0.000	0.000	0.930	0.00	0.00
70020000	60.963	0.28626	HRT	CTT	0.270E+04	0.841	0.000	0.000	0.930	0.00	0.00
72000000	61.679	0.42276	HRT	CTT	1.379E+04	0.378	0.000	0.000	0.980	0.00	0.00
74000000	61.714	6.7883E-02	VRT	SLG	0.178E+04	5.663E-02	0.249	0.249	0.930	0.00	0.00
76010000	53.653	0.57433	HRT	TCT	1.646E+17	0.997	0.941	0.941	0.000	0.00	0.00
76020000	54.506	0.44140	HRT	TCT	1.711E+17	0.997	0.470	0.470	0.000	0.00	0.00
76030000	54.918	0.38342	HRT	TCT	1.746E+17	0.998	0.000	0.000	0.000	0.00	0.00
77000000	55.220	0.34446	HRT	TCT	1.761E+17	0.998	0.998	0.998	0.000	0.00	0.00
78000000	38.736	5.4433	HRT	CTM	0.143E+04	0.970	0.972	0.972	0.000	0.00	0.83
80000000	32.843	9.0824	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
82000000	32.766	9.1050	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00



57000000	56.364	0.23026	HRT	MST	0.156	0.973	1.00	1.00	1.945E-02	0.00	0.00
58010000	56.370	0.23042	HRT	MST	0.119	0.973	1.00	1.00	1.985E-02	0.00	0.00
58020000	56.376	0.23004	HRT	MST	9.473E-02	0.973	1.00	1.00	2.052E-02	0.00	0.00
58030000	56.383	0.22973	HRT	MST	6.993E-02	0.971	1.00	1.00	2.179E-02	0.00	0.00
58040000	56.392	0.22953	HRT	MST	4.307E-02	0.971	1.00	1.00	2.424E-02	0.00	0.00
58050000	56.404	0.22952	HRT	MST	2.706E-02	0.970	1.00	1.00	2.867E-02	0.00	0.00
58060000	56.421	0.22980	HRT	TCT	7.305E-02	0.970	1.00	1.00	3.616E-02	0.00	0.00
59000000	56.446	0.23045	HRT	TCT	0.177	0.967	1.00	1.00	4.790E-02	0.00	0.00
60010000	56.492	0.23135	VRT	TCT	0.269	0.966	1.00	1.00	6.796E-02	0.00	0.00
60020000	56.550	0.23348	VRT	TCT	0.382	0.963	1.00	1.00	9.678E-02	0.00	0.00
61000000	56.627	0.23656	VRT	TCT	0.542	0.960	1.00	1.00	0.135	0.00	0.00
62010000	56.716	0.24001	VRT	CTM	0.997	0.955	1.00	1.00	0.176	0.00	0.00
63000000	56.824	0.24398	VRT	CTM	1.80	0.946	0.377	0.377	0.224	0.00	0.00
65000000	57.048	0.25110	HRT	CTM	3.00	0.933	0.000	0.000	0.312	0.00	0.00

67000000	57.271	0.25579	HRT	CTM	3.51	0.918	0.000	0.000	0.386	0.00	0.00
69010000	57.473	0.25628	HRT	CTM	572.	0.932	0.000	0.000	0.440	0.00	0.00
69020000	58.266	0.23948	HRT	CTB	0.165E+04	0.941	0.000	0.000	0.591	0.00	0.00
69030000	58.266	0.23948	HRT	CTM	466.	0.941	0.000	0.000	0.591	0.00	0.00
70010000	60.963	0.28626	HRT	CTB	0.165E+04	0.841	0.000	0.000	0.930	0.00	0.00
70020000	60.963	0.28626	HRT	CTT	0.270E+04	0.841	0.000	0.000	0.930	0.00	0.00
72000000	61.679	0.42276	HRT	CTT	1.379E+04	0.378	0.000	0.000	0.980	0.00	0.00
74000000	61.714	6.78830E-02	VRT	SLG	0.178E+04	5.663E-02	0.249	0.249	0.930	0.00	0.00
76010000	53.653	0.57433	HRT	TCT	1.646E+17	0.997	0.941	0.941	0.000	0.00	0.00
76020000	54.506	0.44140	HRT	TCT	1.711E+17	0.997	0.470	0.470	0.000	0.00	0.00
76030000	54.918	0.38342	HRT	TCT	1.746E+17	0.998	0.000	0.000	0.000	0.00	0.00
77000000	55.220	0.34446	HRT	TCT	1.761E+17	0.998	0.998	0.998	0.000	0.00	0.00
78000000	38.736	5.4433	HRT	CTM	0.143E+04	0.970	0.972	0.970	0.000	0.82	0.83
80000000	32.843	9.0824	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
82000000	32.766	9.1050	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
83010000	32.766	9.1050	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
84000000	32.752	9.1126	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
85010000	32.752	9.1126	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
86000000	32.826	9.0983	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
88000000	32.809	9.1067	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
90000000	32.806	9.1119	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
91010000	32.799	9.1262	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
91020000	32.803	9.1190	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
92000000	32.676	9.1662	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
94000000	54.954	0.36801	HRT	TCT	1.727E+17	0.998	0.998	0.997	0.000	1.0	2.2
98000000	38.758	5.4317	HRT	CTM	0.586	0.971	0.995	0.971	0.000	0.21	0.84
100000000	32.860	9.0655	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
102000000	32.847	9.0730	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
103010000	32.845	9.0771	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
104000000	32.831	9.0853	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
105010000	32.828	9.0918	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
106000000	32.826	9.0983	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
108000000	32.809	9.1067	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
110000000	32.807	9.1119	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
111010000	32.799	9.1262	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
111020000	32.803	9.1190	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
112000000	32.676	9.1662	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
114010000	55.078	0.35387	HRT	MST	1.775E+17	0.998	1.00	1.00	4.434E-08	0.00	0.00
114020000	55.079	0.35376	HRT	MST	1.775E+17	0.998	1.00	1.00	5.533E-08	0.00	0.00
119000000	54.529	0.42645	HRT	TCT	1.697E+17	0.997	0.000	0.000	0.000	0.00	0.00
120000000	54.892	0.37750	HRT	TCT	1.733E+17	0.998	0.998	0.998	0.000	0.00	0.00
121000000	55.185	0.34419	HRT	MST	1.690E+17	0.998	0.998	0.998	0.000	0.00	0.00
122000000	55.185	0.34419	HRT	TCT	1.741E+17	0.998	0.998	0.998	0.000	7.38E-03	6.33E-0
123000000	55.079	0.35370	HRT	TCT	1.775E+17	0.998	0.998	0.993	6.901E-08	1.08E-02	29.
194000000	55.655	0.29240	HRT	TCT	1.819E+17	0.998	0.998	0.998	2.099E-08	1.0	1.0
195010000	55.582	0.29974	HRT	MST	1.812E+17	0.998	0.483	0.483	1.996E-08	0.00	0.00
196000000	55.932	0.26959	HRT	MST	1.826E+17	0.998	0.998	0.998	1.682E-08	2.02E-28	4.54E-2
278000000	32.845	9.0773	HRT	CTM	1.412E+17	1.00	1.00	1.00	0.000	0.37	0.37
298000000	32.862	9.0605	HRT	CTM	1.419E+17	1.00	1.00	1.00	0.000	0.37	0.37

CONTROL VARIABLE EDIT  
FUNCTION 1.0000

1 PSV

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)
0.45000	217.32	360.93	154.81	405.48	263.06	387.88	214.93	388.83	217.32
0.45100	217.33	360.93	154.82	405.48	263.07	387.89	214.94	388.83	217.33
0.45200	217.33	360.93	154.82	405.48	263.08	387.89	214.94	388.83	217.33
0.45300	217.34	360.94	154.83	405.49	263.09	387.89	214.95	388.84	217.34
0.45400	217.35	360.94	154.83	405.49	263.10	387.90	214.96	388.84	217.35
0.45500	217.36	360.94	154.84	405.49	263.11	387.90	214.96	388.84	217.36
0.45600	217.37	360.94	154.84	405.50	263.13	387.90	214.97	388.85	217.37
0.45700	217.38	360.95	154.85	405.50	263.14	387.91	214.98	388.85	217.38
0.45800	217.39	360.95	154.86	405.51	263.15	387.91	214.98	388.85	217.39
0.45900	217.39	360.95	154.86	405.51	263.16	387.91	214.99	388.85	217.39



278000000	32.845	9.0773	HRT	CTM	1.412E+17	1.00	1.00	1.00	0.000	0.37	0.37
298000000	32.862	9.0605	HRT	CTM	1.419E+17	1.00	1.00	1.00	0.000	0.37	0.37

CONTROL VARIABLE EDIT  
FUNCTION 1.0000

1 PSV

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)
0.45000	217.32	360.93	154.81	405.48	263.06	387.88	214.93	388.83	217.32
0.45100	217.33	360.93	154.82	405.48	263.07	387.89	214.94	388.83	217.33
0.45200	217.33	360.93	154.82	405.48	263.08	387.89	214.94	388.83	217.33
0.45300	217.34	360.94	154.83	405.49	263.09	387.89	214.95	388.84	217.34
0.45400	217.35	360.94	154.83	405.49	263.10	387.90	214.96	388.84	217.35
0.45500	217.36	360.94	154.84	405.49	263.11	387.90	214.96	388.84	217.36
0.45600	217.37	360.94	154.84	405.50	263.13	387.90	214.97	388.85	217.37
0.45700	217.38	360.95	154.85	405.50	263.14	387.91	214.98	388.85	217.38
0.45800	217.39	360.95	154.86	405.51	263.15	387.91	214.99	388.85	217.39
0.45900	217.39	360.95	154.86	405.51	263.16	387.91	215.00	388.86	217.39
0.46000	217.40	360.95	154.86	405.51	263.17	387.92	215.01	388.86	217.40
0.46100	217.41	360.96	154.87	405.52	263.18	387.92	215.01	388.86	217.41
0.46200	217.42	360.96	154.87	405.52	263.19	387.92	215.02	388.87	217.42
0.46300	217.43	360.96	154.88	405.52	263.20	387.93	215.03	388.87	217.43
0.46400	217.43	360.96	154.89	405.53	263.21	387.93	215.04	388.87	217.43
0.46500	217.44	360.97	154.89	405.53	263.23	387.93	215.05	388.88	217.44
0.46600	217.45	360.97	154.90	405.54	263.24	387.94	215.06	388.88	217.45
0.46700	217.46	360.97	154.90	405.54	263.25	387.94	215.07	388.88	217.46
0.46800	217.47	360.98	154.91	405.54	263.26	387.94	215.08	388.89	217.47
0.46900	217.48	360.98	154.92	405.55	263.27	387.95	215.08	388.89	217.48
0.47000	217.49	360.98	154.92	405.55	263.28	387.95	215.09	388.90	217.49
0.47100	217.50	360.99	154.93	405.56	263.29	387.95	215.10	388.90	217.50
0.47200	217.51	360.99	154.93	405.56	263.31	387.96	215.11	388.90	217.51
0.47300	217.52	360.99	154.94	405.56	263.32	387.96	215.12	388.91	217.52
0.47400	217.53	361.00	154.95	405.57	263.33	387.96	215.13	388.91	217.53
0.47500	217.54	361.00	154.95	405.57	263.34	387.97	215.14	388.91	217.54
0.47600	217.55	361.00	154.96	405.57	263.35	387.97	215.15	388.92	217.55
0.47700	217.56	361.01	154.97	405.58	263.36	387.98	215.16	388.92	217.56
0.47800	217.56	361.01	154.97	405.58	263.37	387.98	215.17	388.92	217.56
0.47900	217.57	361.01	154.98	405.59	263.39	387.98	215.17	388.93	217.57
0.48000	217.58	361.02	154.98	405.59	263.40	387.99	215.18	388.93	217.58
0.48100	217.59	361.02	154.99	405.59	263.41	387.99	215.19	388.93	217.59
0.48200	217.60	361.02	155.00	405.60	263.42	387.99	215.20	388.94	217.60
0.48300	217.61	361.02	155.00	405.60	263.43	387.99	215.21	388.94	217.61
0.48400	217.62	361.03	155.01	405.61	263.44	388.00	215.22	388.94	217.62
0.48500	217.63	361.03	155.01	405.61	263.45	388.00	215.23	388.95	217.63
0.48600	217.64	361.03	155.02	405.61	263.47	388.01	215.24	388.95	217.64
0.48700	217.64	361.04	155.03	405.62	263.48	388.01	215.24	388.96	217.64
0.48800	217.65	361.04	155.03	405.62	263.49	388.01	215.25	388.96	217.65
0.48900	217.66	361.04	155.04	405.63	263.50	388.02	215.26	388.96	217.66
0.49000	217.67	361.05	155.05	405.63	263.51	388.02	215.27	388.97	217.67
0.49100	217.68	361.05	155.05	405.63	263.52	388.02	215.28	388.97	217.68
0.49200	217.69	361.05	155.06	405.64	263.53	388.03	215.29	388.97	217.69
0.49300	217.70	361.06	155.07	405.64	263.55	388.03	215.30	388.98	217.70
0.49400	217.71	361.06	155.07	405.64	263.56	388.03	215.31	388.98	217.71
0.49500	217.72	361.06	155.08	405.65	263.57	388.04	215.32	388.98	217.72
0.49600	217.73	361.06	155.08	405.65	263.58	388.04	215.33	388.99	217.73
0.49700	217.74	361.07	155.09	405.66	263.59	388.05	215.33	388.99	217.74
0.49800	217.75	361.07	155.10	405.66	263.60	388.05	215.35	389.00	217.75
0.49900	217.76	361.08	155.11	405.66	263.62	388.05	215.36	389.00	217.76

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)
0.45000	388.82	217.29	400.48	248.62	340.39	118.61	363.74	160.38	100.50
0.45100	388.82	217.30	400.49	248.63	340.39	118.61	363.74	160.39	100.62
0.45200	388.82	217.31	400.49	248.64	340.40	118.62	363.75	160.39	101.12
0.45300	388.83	217.32	400.49	248.66	340.40	118.62	363.75	160.40	101.40
0.45400	388.83	217.33	400.50	248.67	340.41	118.63	363.75	160.40	101.66
0.45500	388.83	217.33	400.50	248.68	340.41	118.64	363.75	160.41	101.90
0.45600	388.84	217.34	400.51	248.69	340.41	118.64	363.76	160.42	102.12
0.45700	388.84	217.35	400.51	248.70	340.41	118.64	363.76	160.42	102.32
0.45800	388.84	217.36	400.52	248.71	340.42	118.65	363.76	160.43	102.51
0.45900	388.85	217.37	400.52	248.73	340.42	118.65	363.77	160.44	102.69



0.49200	217.69	361.05	155.06	405.64	263.53	388.03	215.29	388.97	217.69
0.49300	217.70	361.06	155.07	405.64	263.55	388.03	215.30	388.98	217.70
0.49400	217.71	361.06	155.07	405.64	263.56	388.03	215.31	388.98	217.71
0.49500	217.72	361.06	155.08	405.65	263.57	388.04	215.32	388.98	217.72
0.49600	217.73	361.06	155.08	405.65	263.58	388.04	215.33	388.99	217.73
0.49700	217.74	361.07	155.09	405.66	263.59	388.05	215.33	388.99	217.74
0.49800	217.75	361.07	155.10	405.66	263.60	388.05	215.35	389.00	217.75
0.49900	217.76	361.08	155.11	405.66	263.62	388.05	215.36	389.00	217.76

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)
0.45000	388.82	217.29	400.48	248.62	340.39	118.61	363.74	160.38	100.50
0.45100	388.82	217.30	400.49	248.63	340.39	118.61	363.74	160.39	100.82
0.45200	388.82	217.31	400.49	248.64	340.40	118.62	363.75	160.39	101.12
0.45300	388.83	217.32	400.49	248.66	340.40	118.62	363.75	160.40	101.40
0.45400	388.83	217.33	400.50	248.67	340.41	118.63	363.75	160.40	101.66
0.45500	388.83	217.33	400.50	248.68	340.41	118.64	363.75	160.41	101.90
0.45600	388.84	217.34	400.51	248.69	340.41	118.64	363.76	160.42	102.12
0.45700	388.84	217.35	400.51	248.70	340.41	118.64	363.76	160.42	102.32
0.45800	388.84	217.36	400.52	248.71	340.42	118.65	363.76	160.43	102.51
0.45900	388.85	217.37	400.52	248.73	340.42	118.65	363.77	160.44	102.69
0.46000	388.85	217.37	400.52	248.74	340.42	118.65	363.77	160.44	102.86
0.46100	388.85	217.38	400.53	248.75	340.42	118.66	363.78	160.45	103.02
0.46200	388.86	217.39	400.53	248.76	340.42	118.66	363.78	160.46	103.17
0.46300	388.86	217.40	400.54	248.77	340.43	118.67	363.78	160.47	103.33
0.46400	388.86	217.41	400.54	248.79	340.43	118.67	363.79	160.48	103.48
0.46500	388.87	217.42	400.54	248.80	340.44	118.68	363.79	160.48	103.63
0.46600	388.87	217.43	400.55	248.81	340.44	118.68	363.79	160.49	103.79
0.46700	388.87	217.44	400.55	248.82	340.44	118.69	363.80	160.49	103.94
0.46800	388.88	217.45	400.56	248.83	340.44	118.69	363.80	160.50	104.11
0.46900	388.88	217.46	400.56	248.84	340.45	118.70	363.80	160.51	104.28
0.47000	388.88	217.47	400.56	248.85	340.45	118.70	363.81	160.51	104.46
0.47100	388.89	217.47	400.57	248.86	340.45	118.70	363.81	160.52	104.64
0.47200	388.89	217.48	400.57	248.88	340.46	118.71	363.81	160.53	104.84
0.47300	388.90	217.49	400.58	248.89	340.46	118.72	363.82	160.54	105.04
0.47400	388.90	217.50	400.58	248.90	340.46	118.72	363.82	160.54	105.25
0.47500	388.90	217.51	400.58	248.91	340.46	118.72	363.82	160.54	105.47
0.47600	388.91	217.52	400.59	248.92	340.47	118.73	363.83	160.55	105.70
0.47700	388.91	217.53	400.59	248.93	340.47	118.74	363.83	160.56	105.94
0.47800	388.91	217.54	400.60	248.94	340.47	118.73	363.83	160.57	106.18
0.47900	388.92	217.55	400.60	248.95	340.47	118.73	363.84	160.58	106.43
0.48000	388.92	217.56	400.60	248.97	340.48	118.75	363.84	160.59	106.70
0.48100	388.92	217.57	400.61	248.98	340.48	118.76	363.85	160.60	106.96
0.48200	388.93	217.58	400.61	248.99	340.49	118.76	363.85	160.60	107.24
0.48300	388.93	217.58	400.62	249.00	340.48	118.76	363.85	160.60	107.52
0.48400	388.93	217.59	400.62	249.01	340.49	118.76	363.86	160.61	107.81
0.48500	388.94	217.60	400.62	249.02	340.49	118.77	363.86	160.63	108.11
0.48600	388.94	217.61	400.63	249.04	340.50	118.78	363.87	160.63	108.42
0.48700	388.94	217.62	400.63	249.05	340.50	118.78	363.87	160.64	108.74
0.48800	388.95	217.63	400.64	249.06	340.51	118.79	363.87	161.64	109.07
0.48900	388.95	217.64	400.64	249.07	340.51	118.79	363.87	160.65	109.40
0.49000	388.96	217.65	400.65	249.08	340.51	118.79	363.88	160.66	109.75
0.49100	388.96	217.66	400.65	249.09	340.51	118.80	363.88	160.67	110.11
0.49200	388.96	217.67	400.65	249.10	340.51	118.80	363.89	160.68	110.48
0.49300	388.97	217.67	400.66	249.12	340.52	118.81	363.89	160.68	110.86
0.49400	388.97	217.69	400.66	249.13	340.53	118.82	363.89	160.69	111.25
0.49500	388.98	217.70	400.67	249.14	340.53	118.83	363.90	160.69	111.65
0.49600	388.98	217.71	400.67	249.15	340.53	118.83	363.90	160.70	112.06
0.49700	388.98	217.71	400.67	249.16	340.53	118.83	363.90	160.71	112.47
0.49800	388.99	217.72	400.68	249.17	340.53	118.83	363.91	160.72	112.89
0.49900	388.99	217.73	400.68	249.18	340.54	118.84	363.91	160.73	113.31

TIME (SEC)	P 114020000 (LF/IN2)	RHO 114020000 (LB/FT3)	TEMP 48010000 (DEGF)	TEMP 48000000 (DEGF)	P 48080000 (LF/IN2)	TEMP 52010000 (DEGF)	P 52010000 (LF/IN2)	TEMP 52010000 (DEGF)	P 52010000 (LF/IN2)
0.45000	160.41	0.45048	328.18	325.90	97.374	325.27	96.520	325.27	96.520
0.45100	160.42	0.45051	328.41	326.13	97.676	325.46	96.779	325.46	96.779
0.45200	160.43	0.45053	328.63	326.34	97.961	325.65	97.027	325.65	97.027
0.45300	160.43	0.45055	328.83	326.53	98.227	325.82	97.266	325.82	97.266
0.45400	160.44	0.45057	329.01	326.71	98.474	325.99	97.497	325.99	97.497
0.45500	160.44	0.45059	329.19	326.88	98.705	326.16	97.720	326.16	97.720
0.45600	160.45	0.45062	329.34	327.04	98.920	326.32	97.935	326.32	97.935
0.45700	160.45	0.45064	329.49	327.19	99.123	326.47	98.143	326.47	98.143
0.45800	160.46	0.45067	329.62	327.33	99.315	326.62	98.346	326.62	98.346
0.45900	160.47	0.45070	329.75	327.46	99.497	326.76	98.544	326.76	98.544



0.49100	388.96	217.67	400.65	249.09	340.51	118.80	363.88	160.67	110.11
0.49200	388.96	217.67	400.65	249.10	340.51	118.80	363.89	160.68	110.48
0.49300	388.97	217.67	400.66	249.12	340.52	118.81	363.89	160.68	110.86
0.49400	388.97	217.69	400.66	249.13	340.53	118.82	363.89	160.69	111.25
0.49500	388.98	217.70	400.67	249.14	340.53	118.83	363.90	160.69	111.65
0.49600	388.98	217.71	400.67	249.15	340.53	118.83	363.90	160.70	112.06
0.49700	388.98	217.71	400.67	249.16	340.53	118.83	363.90	160.71	112.47
0.49800	388.99	217.72	400.68	249.17	340.53	118.83	363.91	160.72	112.89
0.49900	388.99	217.73	400.68	249.18	340.54	118.84	363.91	160.73	113.31

TIME (SEC)	P 114020000 (LF/IN2)	RHO 114020000 (LB/FT3)	TEMP 48010000 (DEGF)	TEMP 48000000 (DEGF)	P 48080000 (LF/IN2)	TEMP 52010000 (DEGF)	P 52010000 (LF/IN2)	TEMP 52010000 (DEGF)	P 52010000 (LF/IN2)
0.45000	160.41	0.45048	328.18	325.90	97.374	325.27	96.520	325.27	96.520
0.45100	160.42	0.45051	328.41	326.13	97.676	325.46	96.779	325.46	96.779
0.45200	160.43	0.45053	328.63	326.34	97.961	325.65	97.027	325.65	97.027
0.45300	160.43	0.45055	328.83	326.53	98.227	325.82	97.266	325.82	97.266
0.45400	160.44	0.45057	329.01	326.71	98.474	325.99	97.497	325.99	97.497
0.45500	160.44	0.45059	329.19	326.88	98.705	326.16	97.720	326.16	97.720
0.45600	160.45	0.45062	329.34	327.04	98.920	326.32	97.935	326.32	97.935
0.45700	160.45	0.45064	329.49	327.19	99.123	326.47	98.143	326.47	98.143
0.45800	160.46	0.45067	329.62	327.33	99.315	326.62	98.346	326.62	98.346
0.45900	160.47	0.45070	329.75	327.46	99.497	326.76	98.544	326.76	98.544
0.46000	160.48	0.45072	329.87	327.59	99.674	326.91	98.740	326.91	98.740
0.46100	160.49	0.45075	329.98	327.71	99.846	327.05	98.934	327.05	98.934
0.46200	160.49	0.45078	330.09	327.83	100.02	327.19	99.128	327.19	99.128
0.46300	160.50	0.45081	330.20	327.96	100.19	327.33	99.322	327.33	99.322
0.46400	160.51	0.45083	330.31	328.08	100.36	327.47	99.519	327.47	99.519
0.46500	160.51	0.45085	330.41	328.21	100.53	327.62	99.719	327.62	99.719
0.46600	160.52	0.45087	330.52	328.33	100.71	327.77	99.924	327.77	99.924
0.46700	160.53	0.45090	330.63	328.47	100.89	327.92	100.13	327.92	100.13
0.46800	160.53	0.45092	330.75	328.60	101.08	328.07	100.35	328.07	100.35
0.46900	160.54	0.45094	330.87	328.74	101.28	328.23	100.57	328.23	100.57
0.47000	160.54	0.45097	330.99	328.89	101.49	328.40	100.80	328.40	100.80
0.47100	160.55	0.45099	331.12	329.04	101.70	328.57	101.03	328.57	101.03
0.47200	160.56	0.45102	331.26	329.20	101.92	328.74	101.27	328.74	101.27
0.47300	160.57	0.45105	331.40	329.37	102.15	328.92	101.52	328.92	101.52
0.47400	160.57	0.45107	331.54	329.54	102.39	329.10	101.78	329.10	101.78
0.47500	160.58	0.45109	331.70	329.71	102.64	329.29	102.04	329.29	102.04
0.47600	160.59	0.45112	331.86	329.90	102.90	329.48	102.32	329.48	102.32
0.47700	160.59	0.45115	332.02	330.08	103.16	329.68	102.60	329.68	102.60
0.47800	160.60	0.45117	332.19	330.28	103.44	329.89	102.89	329.89	102.89
0.47900	160.61	0.45121	332.36	330.48	103.72	330.10	103.18	330.10	103.18
0.48000	160.62	0.45124	332.54	330.68	104.01	330.31	103.49	330.31	103.49
0.48100	160.63	0.45126	332.73	330.89	104.31	330.54	103.81	330.54	103.81
0.48200	160.63	0.45128	332.92	331.10	104.62	330.77	104.13	330.77	104.13
0.48300	160.63	0.45130	333.11	331.32	104.93	331.00	104.47	331.00	104.47
0.48400	160.65	0.45134	333.31	331.55	105.26	331.25	104.82	331.25	104.82
0.48500	160.66	0.45137	333.51	331.78	105.59	331.50	105.18	331.50	105.18
0.48600	160.66	0.45140	333.72	332.02	105.94	331.75	105.55	331.75	105.55
0.48700	160.67	0.45143	333.94	332.27	106.29	332.02	105.93	332.02	105.93
0.48800	160.68	0.45145	334.16	332.52	106.66	332.29	106.32	332.29	106.32
0.48900	160.68	0.45148	334.39	332.78	107.04	332.56	106.72	332.56	106.72
0.49000	160.69	0.45151	334.62	333.04	107.42	332.83	107.12	332.83	107.12
0.49100	160.70	0.45154	334.86	333.31	107.82	333.11	107.53	333.11	107.53
0.49200	160.71	0.45157	335.11	333.59	108.23	333.39	107.94	333.39	107.94
0.49300	160.71	0.45159	335.36	333.87	108.64	333.68	108.35	333.68	108.35
0.49400	160.72	0.45162	335.62	334.16	109.07	333.96	108.77	333.96	108.77
0.49500	160.73	0.45164	335.89	334.45	109.50	334.24	109.19	334.24	109.19
0.49600	160.73	0.45166	336.16	334.74	109.93	334.53	109.62	334.53	109.62
0.49700	160.74	0.45169	336.43	335.03	110.37	334.82	110.04	334.82	110.04
0.49800	160.75	0.45173	336.71	335.32	110.80	335.11	110.48	335.11	110.48
0.49900	160.76	0.45176	336.98	335.62	111.24	335.40	110.91	335.40	110.91

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)
0.45000	323.29	93.883	324.33	99.761	154.81	167.16	0.44657	367.06	0.47654
0.45100	323.53	94.200	324.31	99.444	154.82	167.17	0.44659	367.07	0.47658
0.45200	323.77	94.516	324.28	99.145	154.82	167.18	0.44661	367.07	0.47661
0.45300	324.01	94.844	324.25	98.864	154.83	167.18	0.44663	367.07	0.47663
0.45400	324.27	95.179	324.22	98.601	154.83	167.19	0.44665	367.07	0.47665
0.45500	324.53	95.526	324.18	98.355	154.84	167.19	0.44667	367.08	0.47667
0.45600	324.80	95.884	324.15	98.123	154.84	167.20	0.44669	367.08	0.47671
0.45700	325.07	96.257	324.12	97.903	154.85	167.20	0.44672	367.08	0.47672
0.45800	325.36	96.644	324.08	97.691	154.86	167.21	0.44675	367.08	0.47674
0.45900	325.66	97.044	324.03	97.488	154.87	167.22	0.44677	367.08	0.47677



0.49100	160.70	0.45156	334.86	333.31	107.72	333.11	107.53	333.11	107.53
0.49200	160.71	0.45157	335.11	333.59	107.23	333.39	107.94	333.39	107.94
0.49300	160.71	0.45159	335.36	333.87	107.64	333.68	108.35	333.68	108.35
0.49400	160.72	0.45162	335.62	334.16	107.07	333.96	108.77	333.96	108.77
0.49500	160.73	0.45164	335.89	334.45	109.50	334.24	109.19	334.24	109.19
0.49600	160.73	0.45166	336.16	334.74	109.93	334.53	109.62	334.53	109.62
0.49700	160.74	0.45169	336.43	335.03	110.37	334.82	110.04	334.82	110.04
0.49800	160.75	0.45173	336.71	335.32	110.80	335.11	110.48	335.11	110.48
0.49900	160.76	0.45176	336.98	335.62	111.24	335.40	110.91	335.40	110.91

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)
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0.45000	323.29	93.883	324.33	99.761	154.81	167.16	0.44657	367.06	0.47654
0.45100	323.53	94.200	324.31	99.444	154.82	167.17	0.44659	367.07	0.47658
0.45200	323.77	94.516	324.28	99.145	154.82	167.18	0.44661	367.07	0.47661
0.45300	324.01	94.844	324.25	98.864	154.83	167.18	0.44663	367.07	0.47663
0.45400	324.27	95.179	324.22	98.601	154.83	167.19	0.44665	367.07	0.47665
0.45500	324.53	95.526	324.18	98.355	154.84	167.19	0.44667	367.08	0.47667
0.45600	324.80	95.884	324.15	98.123	154.84	167.20	0.44669	367.08	0.47671
0.45700	325.07	96.257	324.12	97.903	154.85	167.20	0.44672	367.08	0.47672
0.45800	325.36	96.644	324.08	97.691	154.86	167.21	0.44675	367.08	0.47674
0.45900	325.66	97.044	324.03	97.482	154.86	167.22	0.44677	367.09	0.47678
0.46000	325.96	97.456	323.98	97.283	154.86	167.23	0.44678	367.10	0.47682
0.46100	326.27	97.877	323.93	97.094	154.87	167.23	0.44682	367.10	0.47684
0.46200	326.59	98.303	323.87	96.906	154.87	167.24	0.44683	367.10	0.47688
0.46300	326.90	98.732	323.80	96.711	154.88	167.24	0.44686	367.10	0.47689
0.46400	327.21	99.160	323.72	96.513	154.89	167.25	0.44688	367.11	0.47693
0.46500	327.52	99.587	323.64	96.318	154.89	167.26	0.44690	367.11	0.47695
0.46600	327.83	100.01	323.55	96.125	154.90	167.26	0.44693	367.11	0.47697
0.46700	328.13	100.43	323.46	95.932	154.90	167.27	0.44695	367.12	0.47701
0.46800	328.43	100.84	323.37	95.742	154.91	167.28	0.44698	367.12	0.47703
0.46900	328.72	101.25	323.27	95.556	154.92	167.28	0.44700	367.12	0.47706
0.47000	329.01	101.65	323.18	95.378	154.92	167.30	0.44702	367.13	0.47710
0.47100	329.29	102.05	323.09	95.213	154.93	167.30	0.44705	367.13	0.47711
0.47200	329.57	102.43	323.01	95.067	154.93	167.31	0.44708	367.13	0.47714
0.47300	329.84	102.81	322.94	94.934	154.94	167.31	0.44711	367.14	0.47717
0.47400	330.10	103.19	322.87	94.805	154.95	167.32	0.44714	367.14	0.47719
0.47500	330.36	103.56	322.80	94.676	154.95	167.33	0.44716	367.14	0.47723
0.47600	330.62	103.93	322.72	94.545	154.96	167.33	0.44718	367.15	0.47726
0.47700	330.89	104.29	322.65	94.415	154.97	167.34	0.44721	367.15	0.47728
0.47800	331.13	104.65	322.57	94.285	154.97	167.35	0.44724	367.15	0.47731
0.47900	331.38	105.01	322.48	94.151	154.98	167.36	0.44726	367.16	0.47734
0.48000	331.62	105.36	322.39	94.006	154.98	167.36	0.44728	367.16	0.47737
0.48100	331.86	105.71	322.28	93.843	154.99	167.37	0.44731	367.16	0.47740
0.48200	332.10	106.05	322.16	93.663	155.00	167.38	0.44733	367.17	0.47743
0.48300	332.33	106.39	322.03	93.475	155.00	167.38	0.44736	367.17	0.47745
0.48400	332.57	106.73	321.90	93.297	155.01	167.39	0.44738	367.17	0.47748
0.48500	332.79	107.06	321.79	93.141	155.01	167.40	0.44741	367.18	0.47751
0.48600	333.02	107.39	321.70	93.002	155.02	167.41	0.44743	367.18	0.47755
0.48700	333.24	107.71	321.61	92.869	155.03	167.41	0.44746	367.18	0.47757
0.48800	333.46	108.03	321.51	92.730	155.03	167.42	0.44749	367.19	0.47759
0.48900	333.67	108.34	321.40	92.582	155.04	167.43	0.44751	367.19	0.47762
0.49000	333.88	108.65	321.30	92.431	155.05	167.43	0.44754	367.19	0.47765
0.49100	334.08	108.95	321.19	92.289	155.05	167.44	0.44756	367.20	0.47768
0.49200	334.28	109.24	321.10	92.162	155.06	167.44	0.44760	367.20	0.47770
0.49300	334.46	109.52	321.03	92.051	155.07	167.45	0.44762	367.20	0.47773
0.49400	334.65	109.79	320.96	91.951	155.07	167.46	0.44765	367.21	0.47776
0.49500	334.82	110.05	320.89	91.858	155.08	167.47	0.44766	367.21	0.47779
0.49600	334.98	110.29	320.83	91.772	155.08	167.48	0.44768	367.22	0.47783
0.49700	335.13	110.52	320.78	91.690	155.09	167.48	0.44772	367.22	0.47785
0.49800	335.27	110.72	320.72	91.613	155.10	167.49	0.44774	367.22	0.47788
0.49900	335.40	110.91	320.68	91.542	155.11	167.50	0.44778	367.23	0.47791

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)
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0.45000	60.725	90.937	363.74	160.39	160.41	100.50	131.38	348.14	72.721
0.45100	60.721	90.941	363.74	160.39	160.42	100.82	131.39	348.14	72.726
0.45200	60.723	90.948	363.75	160.39	160.43	101.12	131.39	348.15	72.728
0.45300	60.726	90.952	363.75	160.40	160.43	101.40	131.40	348.15	72.736
0.45400	60.727	90.953	363.75	160.40	160.44	101.66	131.41	348.16	72.740
0.45500	60.731	90.957	363.75	160.41	160.44	101.90	131.42	348.16	72.743
0.45600	60.736	90.961	363.76	160.42	160.45	102.12	131.42	348.16	72.749
0.45700	60.736	90.965	363.76	160.42	160.45	102.32	131.43	348.17	72.751
0.45800	60.742	90.967	363.76	160.43	160.46	102.51	131.43	348.17	72.753
0.45900	60.744	90.975	363.77	160.44	160.46	102.70	131.43	348.17	72.755



0.49100	334.08	109.24	321.19	92.289	155.05	167.44	0.44756	367.20	0.47768
0.49200	334.28	109.24	321.10	92.162	155.06	167.44	0.44760	367.20	0.47770
0.49300	334.46	109.52	321.03	92.051	155.07	167.45	0.44762	367.20	0.47773
0.49400	334.65	109.79	320.96	91.951	155.07	167.46	0.44765	367.21	0.47776
0.49500	334.82	110.05	320.89	91.858	155.08	167.47	0.44766	367.21	0.47779
0.49600	334.98	110.29	320.83	91.772	155.08	167.48	0.44768	367.22	0.47783
0.49700	335.13	110.52	320.78	91.690	155.09	167.48	0.44772	367.22	0.47785
0.49800	335.27	110.72	320.72	91.613	155.10	167.49	0.44774	367.22	0.47788
0.49900	335.40	110.91	320.68	91.542	155.11	167.50	0.44778	367.23	0.47791

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)
0.45000	60.725	90.937	363.74	160.38	160.41	100.50	131.38	348.14	72.721
0.45100	60.721	90.941	363.74	160.39	160.42	100.82	131.39	348.14	72.726
0.45200	60.723	90.948	363.75	160.39	160.43	101.12	131.39	348.15	72.728
0.45300	60.726	90.952	363.75	160.40	160.43	101.40	131.40	348.15	72.736
0.45400	60.727	90.953	363.75	160.40	160.44	101.66	131.41	348.16	72.740
0.45500	60.731	90.957	363.75	160.41	160.44	101.90	131.42	348.16	72.743
0.45600	60.736	90.961	363.76	160.42	160.45	102.12	131.42	348.16	72.749
0.45700	60.736	90.965	363.76	160.42	160.45	102.32	131.43	348.17	72.751
0.45800	60.742	90.967	363.76	160.43	160.46	102.51	131.43	348.17	72.753
0.45900	60.744	90.975	363.77	160.44	160.47	102.69	131.44	348.17	72.758
0.46000	60.745	90.982	363.77	160.44	160.48	102.86	131.44	348.17	72.759
0.46100	60.753	90.984	363.78	160.45	160.49	103.02	131.45	348.18	72.763
0.46200	60.754	90.989	363.78	160.46	160.49	103.17	131.45	348.18	72.768
0.46300	60.756	90.993	363.78	160.47	160.50	103.33	131.46	348.18	72.771
0.46400	60.758	90.994	363.79	160.48	160.51	103.48	131.47	348.19	72.778
0.46500	60.758	91.001	363.79	160.48	160.51	103.63	131.47	348.19	72.779
0.46600	60.766	91.005	363.79	160.49	160.52	103.79	131.48	348.20	72.785
0.46700	60.767	91.010	363.80	160.49	160.53	103.94	131.49	348.20	72.789
0.46800	60.769	91.012	363.80	160.50	160.53	104.11	131.50	348.21	72.793
0.46900	60.770	91.019	363.80	160.51	160.54	104.28	131.50	348.21	72.796
0.47000	60.776	91.026	363.81	160.51	160.54	104.46	131.51	348.21	72.800
0.47100	60.778	91.028	363.81	160.52	160.55	104.64	131.51	348.22	72.804
0.47200	60.781	91.034	363.81	160.53	160.56	104.84	131.51	348.22	72.806
0.47300	60.786	91.038	363.82	160.54	160.57	105.04	131.53	348.22	72.812
0.47400	60.783	91.043	363.82	160.54	160.57	105.25	131.53	348.23	72.818
0.47500	60.789	91.047	363.82	160.54	160.58	105.47	131.53	348.23	72.818
0.47600	60.796	91.051	363.83	160.55	160.59	105.70	131.54	348.23	72.822
0.47700	60.795	91.053	363.83	160.56	160.59	105.94	131.55	348.24	72.826
0.47800	60.799	91.058	363.83	160.57	160.60	106.18	131.55	348.24	72.828
0.47900	60.806	91.065	363.84	160.58	160.61	106.43	131.55	348.24	72.830
0.48000	60.810	91.070	363.84	160.59	160.62	106.70	131.56	348.24	72.834
0.48100	60.808	91.072	363.85	160.60	160.63	106.96	131.57	348.25	72.840
0.48200	60.808	91.078	363.85	160.60	160.63	107.24	131.58	348.25	72.846
0.48300	60.813	91.083	363.85	160.60	160.63	107.52	131.58	348.25	72.847
0.48400	60.824	91.085	363.86	160.61	160.65	107.81	131.58	348.26	72.850
0.48500	60.826	91.089	363.86	160.63	160.66	108.11	131.59	348.26	72.853
0.48600	60.826	91.097	363.87	160.63	160.66	108.42	131.60	348.26	72.858
0.48700	60.826	91.102	363.87	160.64	160.67	108.74	131.60	348.27	72.862
0.48800	60.832	91.106	363.87	160.64	160.68	109.07	131.61	348.27	72.866
0.48900	60.834	91.111	363.87	160.65	160.68	109.40	131.62	348.28	72.871
0.49000	60.839	91.112	363.88	160.66	160.69	109.75	131.62	348.28	72.872
0.49100	60.846	91.120	363.88	160.67	160.70	110.11	131.62	348.28	72.876
0.49200	60.845	91.122	363.89	160.68	160.71	110.48	131.63	348.29	72.881
0.49300	60.847	91.126	363.89	160.68	160.71	110.86	131.64	348.29	72.883
0.49400	60.853	91.133	363.89	160.69	160.72	111.25	131.65	348.29	72.889
0.49500	60.850	91.138	363.90	160.69	160.73	111.65	131.65	348.30	72.895
0.49600	60.855	91.143	363.90	160.70	160.73	112.06	131.66	348.30	72.898
0.49700	60.861	91.147	363.90	160.71	160.74	112.47	131.66	348.30	72.901
0.49800	60.866	91.152	363.91	160.72	160.75	112.89	131.67	348.31	72.902
0.49900	60.870	91.155	363.91	160.73	160.76	113.31	131.67	348.31	72.905

ATTEMPTED ADV: TOT.= 2077 EDIT= 200 MIN.DT= 2.500000E-04 SEC LAST DT= 2.500000E-04 SEC MS.ERR= 51.2158 LB  
 REPEATED ADV: TOT.= 72 EDIT= 0 MAX.DT= 2.500000E-04 SEC CRNT.DT= 4.177460E-04 SEC TOT.MS= 39105.2 LB  
 SUCCESSFUL ADV: TOT.= 2005 EDIT= 200 AVG.DT= 2.500000E-04 SEC ERR.EST= 4.163069E-06 M.RATN= 1.309694E-03  
 REQUESTED ADV: TOT.= 500 EDIT= 50 REQ.DT= 1.000000E-03 SEC CPU= 414.141 SEC TIME= 0.500000 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 (LB/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	2737.0	1009.4	1.0000	0.00000	1.0000	1.0000	681.56	681.56	681.56	10
C-36	PIPE COMPONENT									
36010000	263.62	956.64	0.80057	0.00000	0.78310	0.99718	405.67	376.24	405.67	10



0.49100	60.844	91.122	363.89	160.67	160.70	110.11	131.62	348.28	72.876
0.49200	60.845	91.122	363.89	160.68	160.71	110.48	131.63	348.29	72.881
0.49300	60.847	91.126	363.89	160.68	160.71	110.86	131.64	348.29	72.883
0.49400	60.853	91.133	363.89	160.69	160.72	111.25	131.65	348.29	72.889
0.49500	60.850	91.138	363.90	160.69	160.73	111.65	131.65	348.30	72.895
0.49600	60.855	91.143	363.90	160.70	160.73	112.06	131.66	348.30	72.898
0.49700	60.861	91.147	363.90	160.71	160.74	112.47	131.66	348.30	72.901
0.49800	60.866	91.152	363.91	160.72	160.75	112.89	131.67	348.31	72.902
0.49900	60.870	91.155	363.91	160.73	160.76	113.31	131.67	348.31	72.905

ATTEMPTED ADV: TOT.= 2077 EDIT= 200 MIN.DT= 2.500000E-04 SEC LAST DT= 2.500000E-04 SEC MS.ERR= 51.2158 LR  
 REPEATED ADV: TOT.= 72 EDIT= 0 MAX.DT= 2.500000E-04 SEC CRNT.DT= 4.177460E-04 SEC TOT.MS= 39105.2 LR  
 SUCCESSFUL ADV: TOT.= 2005 EDIT= 200 AVG.DT= 2.500000E-04 SEC EPR.EST= 4.163069E-06 M.RATN= 1.309694E-03 LR  
 REQUESTED ADV: TOT.= 500 EDIT= 50 REQ.DT= 1.000000E-03 SEC CPU= 414.141 SEC TIME= 0.500000 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 (LEF/IN2)	INT. ENERGY (BTU/LB)	STATIC QUAL.	NONCOND VAPOR QUAL.	EQU. QUAL.	VOIDG	TEMPF (DEGF)	TEMPO (DEGF)	TEMPE (DEGF)	VOL. FLAG
C-001	TMDPVOL COMPONENT									
1010000	2737.0	1009.4	1.0000	0.00000	1.0000	1.0000	681.56	681.56	681.56	10
C-36	PIPE COMPONENT									
36010000	263.62	956.64	0.80057	0.00000	0.78310	0.99718	405.67	376.24	405.67	10
36020000	211.75	944.00	0.78379	0.00000	0.77430	0.99757	386.62	368.99	386.62	10
36030000	191.81	937.95	0.77509	0.00000	0.77005	0.99773	378.31	368.54	378.31	10
C-38	PIPE COMPONENT									
38010000	217.77	952.91	0.78507	0.00000	0.78507	0.99760	389.00	389.00	389.00	0
38020000	217.76	953.04	0.78524	0.00000	0.78524	0.99760	389.00	389.00	389.00	0
38030000	217.76	953.17	0.78542	0.00000	0.78542	0.99760	389.00	389.00	389.00	0
38040000	217.76	953.30	0.78560	0.00000	0.78560	0.99761	389.00	389.00	389.00	0
38050000	217.75	953.43	0.78577	0.00000	0.78577	0.99761	389.00	389.00	389.00	0
38060000	217.75	953.56	0.78594	0.00000	0.78594	0.99761	389.00	389.00	389.00	0
38070000	217.75	953.68	0.78610	1.44239E-10	0.78610	0.99761	388.99	388.99	388.99	0
C-40	SNGLVOL COMPONENT									
40010000	218.00	952.69	0.78474	0.00000	0.78474	0.99759	389.09	389.09	389.09	0
C-42	SNGLVOL COMPONENT									
42010000	217.74	925.24	0.74828	9.46492E-10	0.74828	0.99705	388.99	388.99	388.99	0
C-44	BRANCH COMPONENT									
44010000	118.85	918.28	0.76659	1.64284E-10	0.76234	0.99853	340.54	330.96	340.54	0
C-46	PIPE COMPONENT									
46010000	159.53	942.42	0.78253	1.91046E-10	0.78253	0.99822	363.32	363.33	363.32	0
46020000	161.32	943.12	0.78304	2.51651E-10	0.78304	0.99821	364.21	364.21	364.21	0
46030000	161.35	943.18	0.78311	3.30831E-10	0.78311	0.99821	364.22	364.22	364.22	0
C-48	PIPE COMPONENT									
48010000	113.73	951.22	0.80513	7.64504E-10	0.80513	0.99890	337.26	337.27	337.26	0
48020000	111.53	950.21	0.80458	8.74029E-10	0.80450	0.99891	335.81	335.63	335.81	0
48030000	111.43	950.28	0.80461	9.98677E-10	0.80461	0.99891	335.74	335.74	335.74	0
48040000	111.48	950.44	0.80480	1.14071E-09	0.80480	0.99892	335.77	335.77	335.77	0
48050000	111.53	950.59	0.80498	1.30257E-09	0.80498	0.99892	335.81	335.81	335.81	0
48060000	111.58	950.75	0.80516	1.48702E-09	0.80516	0.99892	335.84	335.84	335.84	0
48070000	111.63	950.91	0.80534	1.69720E-09	0.80534	0.99892	335.88	335.88	335.88	0
48080000	111.69	951.06	0.80552	1.93669E-09	0.80552	0.99892	335.91	335.91	335.91	0
48090000	111.74	951.21	0.80569	2.20956E-09	0.80569	0.99892	335.95	335.95	335.95	0
C-50	PIPE COMPONENT									
50010000	111.12	951.37	0.80606	2.52933E-09	0.80606	0.99893	335.54	335.54	335.54	0
50020000	111.13	951.50	0.80622	2.89471E-09	0.80622	0.99893	335.54	335.54	335.54	0
50030000	111.18	951.65	0.80639	3.31230E-09	0.80639	0.99893	335.58	335.58	335.58	0
50040000	111.24	951.79	0.80656	3.78953E-09	0.80656	0.99893	335.61	335.61	335.61	0
50050000	111.29	951.94	0.80673	4.33485E-09	0.80673	0.99893	335.65	335.65	335.65	0
C-52	SNGLVOL COMPONENT									
52010000	111.35	952.08	0.80688	4.92318E-09	0.80688	0.99893	335.69	335.69	335.69	0
C-54	PIPE COMPONENT									
54010000	109.39	952.25	0.80767	5.66359E-09	0.80767	0.99895	334.38	334.38	334.38	0
54020000	109.32	952.34	0.80780	6.51319E-09	0.80780	0.99896	334.33	334.33	334.33	0
54030000	109.37	952.50	0.80798	7.48894E-09	0.80798	0.99896	334.37	334.37	334.37	0
54040000	109.44	952.66	0.80816	8.60944E-09	0.80816	0.99896	334.41	334.41	334.41	0
54050000	109.50	952.82	0.80834	9.89595E-09	0.80834	0.99896	334.45	334.45	334.45	0
54060000	109.56	952.97	0.80852	1.13728E-08	0.80852	0.99896	334.49	334.49	334.49	0
54070000	109.63	953.13	0.80870	1.30678E-08	0.80870	0.99896	334.54	334.54	334.54	0

54080000	109.69	953.29	0.80888	1.50128E-08	0.80888	0.99896	334.58	334.58	334.58	0
54090000	109.75	953.45	0.80905	1.72441E-08	0.80905	0.99896	334.62	334.62	334.62	0
54100000	109.82	953.61	0.80923	1.98033E-08	0.80924	0.99896	334.66	334.66	334.66	0
54110000	109.88	953.77	0.80942	2.27378E-08	0.80942	0.99896	334.71	334.71	334.71	0
54120000	109.94	953.93	0.80960	2.61019E-08	0.80960	0.99896	334.75	334.75	334.75	0
54130000	110.01	954.10	0.80980	2.99575E-08	0.80980	0.99896	334.79	334.79	334.79	0
54140000	110.07	954.27	0.80999	3.43753E-08	0.80999	0.99896	334.83	334.83	334.83	0
54150000	110.13	954.45	0.81020	3.94362E-08	0.81020	0.99896	334.87	334.87	334.87	0
54160000	110.19	954.63	0.81041	4.52326E-08	0.81041	0.99897	334.92	334.92	334.92	0
54170000	110.25	954.82	0.81062	5.18698E-08	0.81062	0.99897	334.96	334.96	334.96	0
54180000	110.31	955.01	0.81084	5.94684E-08	0.81084	0.99897	335.00	335.00	335.00	0
54190000	110.37	955.20	0.81107	6.81660E-08	0.81107	0.99897	335.04	335.04	335.04	0
54200000	110.43	955.40	0.81130	7.81196E-08	0.81130	0.99897	335.08	335.08	335.08	0
54210000	110.49	955.60	0.81153	8.95085E-08	0.81153	0.99897	335.11	335.12	335.11	0
54220000	110.55	955.80	0.81176	1.02537E-07	0.81176	0.99897	335.15	335.15	335.15	0



50020000	111.13	951.50	0.80622	2.89471E-09	0.80622	0.99893	335.54	335.54	335.54	0
50030000	111.18	951.65	0.80639	3.31230E-09	0.80639	0.99893	335.58	335.58	335.58	0
50040000	111.24	951.79	0.80656	3.78953E-09	0.80656	0.99893	335.61	335.61	335.61	0
50050000	111.29	951.94	0.80673	4.33485E-09	0.80673	0.99893	335.65	335.65	335.65	0
C-52	SNGLVOL	COMPONENT								
52010000	111.35	952.08	0.80688	4.92318E-09	0.80688	0.99893	335.69	335.69	335.69	0
C-54	PIPE	COMPONENT								
54010000	109.39	952.25	0.80767	5.66359E-09	0.80767	0.99895	334.38	334.38	334.38	0
54020000	109.32	952.34	0.80780	6.51319E-09	0.80780	0.99896	334.33	334.33	334.33	0
54030000	109.37	952.50	0.80798	7.48894E-09	0.80798	0.99896	334.37	334.37	334.27	0
54040000	109.44	952.66	0.80816	8.60944E-09	0.80816	0.99896	334.41	334.41	334.41	0
54050000	109.50	952.82	0.80834	9.89595E-09	0.80834	0.99896	334.45	334.45	334.45	0
54060000	109.56	952.97	0.80852	1.13728E-08	0.80852	0.99896	334.49	334.49	334.49	0
54070000	109.63	953.13	0.80870	1.30678E-08	0.80870	0.99896	334.54	334.54	334.54	0

54080000	109.69	953.29	0.80888	1.50128E-08	0.80888	0.99896	334.58	334.58	334.58	0
54090000	109.75	953.45	0.80905	1.72441E-08	0.80905	0.99896	334.62	334.62	334.62	0
54100000	109.82	953.61	0.80923	1.98033E-08	0.80924	0.99896	334.66	334.66	334.66	0
54110000	109.88	953.77	0.80942	2.27378E-08	0.80942	0.99896	334.71	334.71	334.71	0
54120000	109.94	953.93	0.80960	2.61019E-08	0.80960	0.99896	334.75	334.75	334.75	0
54130000	110.01	954.10	0.80980	2.99575E-08	0.80980	0.99896	334.79	334.79	334.79	0
54140000	110.07	954.27	0.80999	3.43753E-08	0.80999	0.99896	334.83	334.83	334.83	0
54150000	110.13	954.45	0.81020	3.94362E-08	0.81020	0.99896	334.87	334.87	334.87	0
54160000	110.19	954.63	0.81041	4.52326E-08	0.81041	0.99897	334.92	334.92	334.92	0
54170000	110.25	954.82	0.81062	5.18698E-08	0.81062	0.99897	334.96	334.96	334.96	0
54180000	110.31	955.01	0.81084	5.94684E-08	0.81084	0.99897	335.00	335.00	335.00	0
54190000	110.37	955.20	0.81107	6.81660E-08	0.81107	0.99897	335.04	335.04	335.04	0
54200000	110.43	955.40	0.81130	7.81196E-08	0.81130	0.99897	335.08	335.08	335.08	0
54210000	110.49	955.60	0.81153	8.95085E-08	0.81153	0.99897	335.11	335.12	335.11	0
54220000	110.55	955.80	0.81176	1.02537E-07	0.81176	0.99897	335.15	335.15	335.15	0
54230000	110.60	955.99	0.81199	1.17439E-07	0.81199	0.99897	335.19	335.19	335.19	0
54240000	110.66	956.19	0.81222	1.34479E-07	0.81222	0.99897	335.23	335.23	335.23	0
54250000	110.71	956.38	0.81244	1.53960E-07	0.81244	0.99897	335.26	335.26	335.26	0
54260000	110.76	956.56	0.81266	1.76227E-07	0.81266	0.99898	335.30	335.30	335.30	0
54270000	110.81	956.75	0.81287	2.01671E-07	0.81287	0.99898	335.33	335.33	335.33	0
54280000	110.86	956.92	0.81308	2.30740E-07	0.81308	0.99898	335.36	335.36	335.36	0
54290000	110.90	957.10	0.81329	2.63940E-07	0.81329	0.99898	335.39	335.39	335.39	0
54300000	110.94	957.27	0.81349	3.01848E-07	0.81349	0.99898	335.42	335.42	335.42	0
54310000	110.98	957.44	0.81369	3.45122E-07	0.81369	0.99898	335.45	335.45	335.45	0
54320000	111.02	957.61	0.81389	3.94506E-07	0.81389	0.99898	335.47	335.47	335.47	0
54330000	111.06	957.78	0.81409	4.50847E-07	0.81409	0.99898	335.49	335.49	335.49	0
54340000	111.09	957.94	0.81429	5.15109E-07	0.81429	0.99898	335.52	335.52	335.52	0
54350000	111.12	958.11	0.81449	5.88382E-07	0.81449	0.99898	335.54	335.54	335.54	0
54360000	111.15	958.28	0.81469	6.71906E-07	0.81469	0.99899	335.55	335.55	335.55	0
54370000	111.17	958.44	0.81489	7.67088E-07	0.81489	0.99899	335.57	335.57	335.57	0
54380000	111.19	958.61	0.81509	8.75521E-07	0.81509	0.99899	335.58	335.58	335.58	0
54390000	111.20	958.77	0.81529	9.99011E-07	0.81529	0.99899	335.59	335.59	335.59	0
54400000	111.22	958.93	0.81549	1.13961E-06	0.81549	0.99899	335.60	335.60	335.60	0
54410000	111.22	959.09	0.81569	1.29962E-06	0.81569	0.99899	335.60	335.60	335.60	0
54420000	111.23	959.25	0.81589	1.48169E-06	0.81589	0.99899	335.61	335.61	335.61	0
54430000	111.23	959.41	0.81609	1.68877E-06	0.81609	0.99899	335.61	335.61	335.61	0
54440000	111.22	959.57	0.81629	1.92422E-06	0.81629	0.99900	335.60	335.60	335.60	0
54450000	111.21	959.73	0.81648	2.19184E-06	0.81648	0.99900	335.60	335.60	335.60	0
54460000	111.20	959.88	0.81668	2.49594E-06	0.81668	0.99900	335.59	335.59	335.59	0
54470000	111.18	960.03	0.81687	2.84134E-06	0.81687	0.99900	335.57	335.57	335.57	0
54480000	111.15	960.18	0.81707	3.23355E-06	0.81707	0.99900	335.56	335.56	335.56	0
54490000	111.12	960.33	0.81726	3.67875E-06	0.81726	0.99900	335.54	335.54	335.54	0
54500000	111.09	960.48	0.81745	4.18392E-06	0.81745	0.99900	335.51	335.51	335.51	0
54510000	111.05	960.62	0.81764	4.75695E-06	0.81764	0.99901	335.49	335.49	335.49	0
54520000	111.00	960.76	0.81783	5.40674E-06	0.81783	0.99901	335.46	335.46	335.46	0
54530000	110.95	960.90	0.81802	6.14332E-06	0.81802	0.99901	335.42	335.42	335.42	0
54540000	110.89	961.03	0.81820	6.97798E-06	0.81820	0.99901	335.38	335.38	335.38	0
54550000	110.83	961.16	0.81838	7.92347E-06	0.81838	0.99901	335.34	335.34	335.34	0
54560000	110.77	961.29	0.81855	8.99409E-06	0.81855	0.99901	335.30	335.30	335.30	0
54570000	110.70	961.41	0.81873	1.02060E-05	0.81873	0.99902	335.25	335.25	335.25	0
54580000	110.62	961.52	0.81889	1.15772E-05	0.81889	0.99902	335.20	335.20	335.20	0
54590000	110.54	961.63	0.81905	1.31281E-05	0.81905	0.99902	335.15	335.15	335.15	0
54600000	110.46	961.74	0.81921	1.48815E-05	0.81921	0.99902	335.09	335.09	335.09	0
54610000	110.37	961.84	0.81936	1.68627E-05	0.81936	0.99902	335.03	335.03	335.03	0
54620000	110.28	961.93	0.81950	1.91004E-05	0.81950	0.99902	334.97	334.97	334.97	0
54630000	110.18	962.02	0.81963	2.16263E-05	0.81963	0.99903	334.91	334.91	334.91	0
54640000	110.08	962.10	0.81976	2.44759E-05	0.81976	0.99903	334.84	334.84	334.84	0
54650000	109.98	962.17	0.81987	2.76884E-05	0.81987	0.99903	334.78	334.77	334.78	0
54660000	109.88	962.23	0.81998	3.13077E-05	0.81998	0.99903	334.71	334.70	334.71	0
54670000	109.78	962.28	0.82007	3.53820E-05	0.82007	0.99903	334.64	334.63	334.64	0

54680000	109.67	962.32	0.82015	3.99650E-05	0.82015	0.99903	334.57	334.56	334.57	0
54690000	109.57	962.35	0.82022	4.51155E-05	0.82022	0.99904	334.50	334.49	334.50	0
54700000	109.46	962.36	0.82027	5.08985E-05	0.82027	0.99904	334.42	334.41	334.42	0
54710000	109.35	962.36	0.82030	5.73851E-05	0.82030	0.99904	334.35	334.34	334.35	0
54720000	109.25	962.35	0.82031	6.46533E-05	0.82030	0.99904	334.28	334.27	334.28	0
54730000	109.14	962.31	0.82030	7.27884E-05	0.82027	0.99904	334.21	334.20	334.21	0
54740000	109.04	962.27	0.82036	8.18831E-05	0.82027	0.99904	334.14	333.93	334.14	0
54750000	108.93	962.23	0.82036	9.20436E-05	0.82035	0.99904	334.06	334.05	334.06	0
54760000	108.83	962.17	0.82033	1.03383E-04	0.82032	0.99904	333.99	333.98	333.99	0
54770000	108.72	962.09	0.82027	1.16024E-04	0.82026	0.99904	333.92	333.91	333.92	0
54780000	108.62	961.98	0.82018	1.30095E-04	0.82017	0.99904	333.85	333.84	333.85	0
54790000	108.52	961.84	0.82005	1.45739E-04	0.82004	0.99904	333.78	333.77	333.78	0
54800000	108.42	961.66	0.81988	1.63108E-04	0.81987	0.99904	333.71	333.70	333.71	0
54810000	108.32	961.45	0.81967	1.82364E-04	0.81966	0.99904	333.64	333.63	333.64	0
54820000	108.22	961.21	0.81941	2.03684E-04	0.81940	0.99904	333.57	333.56	333.57	0



54540000	110.89	961.03	0.81820	6.97798E-06	0.81820	0.99901	335.38	335.38	335.38	0
54550000	110.83	961.16	0.81838	7.92347E-06	0.81838	0.99901	335.34	335.34	335.34	0
54560000	110.77	961.29	0.81855	8.99409E-06	0.81855	0.99901	335.30	335.30	335.30	0
54570000	110.70	961.41	0.81873	1.02060E-05	0.81873	0.99902	335.25	335.25	335.25	0
54580000	110.62	961.52	0.81889	1.15772E-05	0.81889	0.99902	335.20	335.20	335.20	0
54590000	110.54	961.63	0.81905	1.31281E-05	0.81905	0.99902	335.15	335.15	335.15	0
54600000	110.46	961.74	0.81921	1.48815E-05	0.81921	0.99902	335.09	335.09	335.09	0
54610000	110.37	961.84	0.81936	1.68627E-05	0.81936	0.99902	335.03	335.03	335.03	0
54620000	110.28	961.93	0.81950	1.91004E-05	0.81950	0.99902	334.97	334.97	334.97	0
54630000	110.18	962.02	0.81963	2.16263E-05	0.81963	0.99903	334.91	334.91	334.91	0
54640000	110.08	962.10	0.81976	2.44759E-05	0.81976	0.99903	334.84	334.84	334.84	0
54650000	109.98	962.17	0.81987	2.76884E-05	0.81987	0.99903	334.78	334.77	334.78	0
54660000	109.88	962.23	0.81998	3.13077E-05	0.81998	0.99903	334.71	334.70	334.71	0
54670000	109.78	962.28	0.82007	3.53820E-05	0.82007	0.99903	334.64	334.63	334.64	0

54680000	109.67	962.32	0.82015	3.99650E-05	0.82015	0.99903	334.57	334.56	334.57	0
54690000	109.57	962.35	0.82022	4.51155E-05	0.82022	0.99904	334.50	334.49	334.50	0
54700000	109.46	962.36	0.82027	5.08985E-05	0.82027	0.99904	334.42	334.41	334.42	0
54710000	109.35	962.36	0.82030	5.73851E-05	0.82030	0.99904	334.35	334.34	334.35	0
54720000	109.25	962.35	0.82031	6.46533E-05	0.82030	0.99904	334.28	334.27	334.28	0
54730000	109.14	962.31	0.82030	7.27884E-05	0.82029	0.99904	334.21	334.20	334.21	0
54740000	109.04	962.27	0.82036	8.18831E-05	0.82027	0.99904	334.14	333.93	334.14	0
54750000	108.93	962.23	0.82036	9.20436E-05	0.82035	0.99904	334.06	334.05	334.06	0
54760000	108.83	962.17	0.82033	1.03383E-04	0.82032	0.99904	333.99	333.98	333.99	0
54770000	108.72	962.09	0.82027	1.16024E-04	0.82026	0.99904	333.92	333.91	333.92	0
54780000	108.62	961.98	0.82018	1.30095E-04	0.82017	0.99904	333.85	333.84	333.85	0
54790000	108.52	961.84	0.82005	1.45739E-04	0.82004	0.99904	333.78	333.77	333.78	0
54800000	108.42	961.66	0.81988	1.63108E-04	0.81987	0.99904	333.71	333.70	333.71	0
54810000	108.32	961.45	0.81967	1.82364E-04	0.81966	0.99904	333.64	333.63	333.64	0
54820000	108.22	961.21	0.81941	2.03684E-04	0.81941	0.99904	333.57	333.56	333.57	0
54830000	108.12	960.92	0.81911	2.27254E-04	0.81910	0.99904	333.51	333.49	333.51	0
54840000	108.03	960.59	0.81875	2.53274E-04	0.81875	0.99904	333.44	333.43	333.44	0
54850000	107.93	960.21	0.81834	2.81959E-04	0.81834	0.99904	333.37	333.36	333.37	0
54860000	107.84	959.78	0.81787	3.13535E-04	0.81787	0.99904	333.31	333.30	333.31	0
54870000	107.74	959.31	0.81734	3.48245E-04	0.81734	0.99903	333.24	333.23	333.24	0
54880000	107.65	958.77	0.81675	3.86343E-04	0.81675	0.99903	333.18	333.17	333.18	0
54890000	107.56	958.18	0.81609	4.28100E-04	0.81608	0.99903	333.11	333.10	333.11	0
54900000	107.47	957.53	0.81536	4.73802E-04	0.81535	0.99902	333.05	333.04	333.05	0
54910000	107.38	956.82	0.81455	5.23747E-04	0.81454	0.99902	332.98	332.97	332.98	0
54920000	107.29	956.03	0.81366	5.78249E-04	0.81366	0.99901	332.91	332.91	332.91	0
54930000	107.19	955.18	0.81269	6.37636E-04	0.81269	0.99901	332.84	332.84	332.84	0
54940000	107.09	954.25	0.81164	7.02244E-04	0.81163	0.99900	332.77	332.76	332.77	0
54950000	106.99	953.24	0.81049	7.72421E-04	0.81048	0.99900	332.70	332.69	332.70	0

C-56 PIPE COMPONENT

56010000	106.49	951.41	0.80850	9.00868E-04	0.80850	0.99899	332.35	332.35	332.35	0
56020000	106.30	949.32	0.80614	1.04657E-03	0.80613	0.99897	332.21	332.19	332.21	0
56030000	106.10	947.00	0.80350	1.21084E-03	0.80349	0.99896	332.06	332.04	332.06	0
56040000	105.90	944.42	0.80057	1.39474E-03	0.80056	0.99894	331.91	331.88	331.91	0
56050000	105.68	941.60	0.79735	1.59900E-03	0.79734	0.99892	331.75	331.72	331.75	0
56060000	105.46	938.50	0.79383	1.82390E-03	0.79382	0.99890	331.58	331.56	331.58	0
56070000	105.25	935.13	0.78998	2.06909E-03	0.78997	0.99888	331.41	331.39	331.41	0
56080000	105.03	931.43	0.78576	2.33338E-03	0.78575	0.99885	331.25	331.23	331.25	0
56090000	104.82	927.33	0.78106	2.61450E-03	0.78105	0.99882	331.08	331.06	331.08	0
56100000	104.62	922.73	0.77574	2.90879E-03	0.77574	0.99879	330.92	330.91	330.92	0
56110000	104.42	917.43	0.76956	3.21089E-03	0.76956	0.99874	330.76	330.75	330.76	0
56120000	104.23	911.13	0.76215	3.51337E-03	0.76215	0.99869	330.61	330.60	330.61	0
56130000	104.04	903.43	0.75299	3.80647E-03	0.75298	0.99863	330.45	330.45	330.45	0
56140000	103.85	893.81	0.74141	4.07803E-03	0.74140	0.99855	330.30	330.30	330.30	0
56150000	103.66	881.64	0.72663	4.31386E-03	0.72663	0.99843	330.15	330.14	330.15	0
56160000	103.47	866.32	0.70789	4.49885E-03	0.70789	0.99829	329.99	329.99	329.99	0
56170000	103.27	847.35	0.68456	4.61897E-03	0.68456	0.99809	329.83	329.83	329.83	0
56180000	103.05	824.56	0.65640	4.66402E-03	0.65640	0.99784	329.66	329.66	329.66	0
56190000	102.83	798.18	0.62372	4.63040E-03	0.62372	0.99751	329.49	329.49	329.49	0
56200000	102.59	768.96	0.58745	4.52287E-03	0.58745	0.99711	329.31	329.31	329.31	0
56210000	102.33	738.05	0.54903	4.35443E-03	0.54903	0.99663	329.11	329.11	329.11	0
56220000	102.05	706.82	0.51019	4.14407E-03	0.51019	0.99608	328.91	328.91	328.91	0
56230000	101.75	676.53	0.47253	3.91242E-03	0.47253	0.99546	328.68	328.68	328.68	0
56240000	101.43	648.04	0.43712	3.67691E-03	0.43712	0.99478	328.45	328.45	328.45	0
56250000	101.09	621.76	0.40449	3.45055E-03	0.40449	0.99406	328.19	328.19	328.19	0
56260000	100.71	598.10	0.37518	3.24525E-03	0.37518	0.99331	327.92	327.92	327.92	0
56270000	100.32	577.71	0.34998	3.07430E-03	0.34998	0.99257	327.63	327.64	327.64	0
56280000	99.965	561.22	0.32966	2.95001E-03	0.32965	0.99190	327.36	327.37	327.37	0
56290000	99.708	548.85	0.31445	2.87951E-03	0.31444	0.99134	327.16	327.17	327.17	0
56300000	99.404	535.87	0.29851	2.81225E-03	0.29851	0.99070	326.94	326.94	326.94	0
56310000	98.747	518.35	0.27719	2.70101E-03	0.27719	0.98976	326.44	326.45	326.45	0

56320000	98.502	508.24	0.26486	2.68583E-03	0.26485	0.98913	326.23	326.25	326.25	0
56330000	98.312	501.05	0.25617	2.71708E-03	0.25616	0.98865	326.08	326.09	326.09	0
56340000	98.161	496.43	0.25067	2.79241E-03	0.25067	0.98834	325.95	325.95	325.95	0
56350000	97.945	490.02	0.24299	2.85061E-03	0.24299	0.98787	325.77	325.76	325.76	0

C-58 PIPE COMPONENT

58010000	97.454	487.38	0.24028	2.98815E-03	0.24028	0.98775	325.37	325.37	325.37	0
58020000	96.934	482.38	0.23465	3.09185E-03	0.23465	0.98743	324.95	324.95	324.95	0
58030000	96.353	473.82	0.22461	3.12743E-03	0.22461	0.98678	324.48	324.48	324.48	0
58040000	95.713	462.02	0.21053	3.08498E-03	0.21053	0.98575	323.97	323.97	323.97	0
58050000	95.005	448.51	0.19433	2.98139E-03	0.19433	0.98438	323.41	323.41	323.41	0
58060000	94.224	436.01	0.17946	2.86633E-03	0.17946	0.98293	322.79	322.79	322.79	0
58070000	93.269	418.10	0.15793	2.61075E-03	0.15793	0.98034	322.04	322.04	322.04	0

C-60 PIPE COMPONENT

60010000	91.475	408.71	0.14783	2.51780E-03	0.14783	0.97917	320.63	320.63	320.63	0
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56180000	103.05	824.56	0.65640	4.66402E-03	0.65640	0.99784	329.66	329.66	329.66	0
56190000	102.83	798.18	0.62372	4.63040E-03	0.62372	0.99751	329.49	329.49	329.49	0
56200000	102.59	768.96	0.58745	4.52287E-03	0.58745	0.99711	329.31	329.31	329.31	0
56210000	102.33	738.05	0.54903	4.35443E-03	0.54903	0.99663	329.11	329.11	329.11	0
56220000	102.05	706.82	0.51019	4.14407E-03	0.51019	0.99608	328.91	328.91	328.91	0
56230000	101.75	676.53	0.47253	3.91242E-03	0.47253	0.99546	328.68	328.68	328.68	0
56240000	101.43	648.04	0.43712	3.67691E-03	0.43712	0.99478	328.45	328.45	328.45	0
56250000	101.08	621.76	0.40449	3.45055E-03	0.40449	0.99406	328.19	328.19	328.19	0
56260000	100.71	598.10	0.37518	3.24525E-03	0.37518	0.99331	327.92	327.92	327.92	0
56270000	100.32	577.71	0.34998	3.07430E-03	0.34998	0.99257	327.63	327.64	327.64	0
56280000	99.965	561.22	0.32966	2.95001E-03	0.32966	0.99190	327.36	327.37	327.37	0
56290000	99.708	548.85	0.31445	2.87951E-03	0.31444	0.99134	327.16	327.17	327.17	0
56300000	99.404	535.87	0.29851	2.81225E-03	0.29851	0.99070	326.94	326.94	326.94	0
56310000	98.747	518.35	0.27719	2.70101E-03	0.27719	0.98976	326.44	326.45	326.45	0

56320000	98.502	508.24	0.26486	2.68583E-03	0.26486	0.98913	326.23	326.25	326.25	0
56330000	98.312	501.05	0.25617	2.71708E-03	0.25616	0.98865	326.08	326.09	326.09	0
56340000	98.161	496.43	0.25067	2.79241E-03	0.25067	0.98834	325.95	325.95	325.95	0
56350000	97.945	490.02	0.24299	2.85061E-03	0.24299	0.98787	325.77	325.76	325.76	0

C-58	PIPE	COMPONENT								
58010000	97.454	487.38	0.24028	2.98815E-03	0.24028	0.98775	325.37	325.37	325.37	0
58020000	96.934	482.38	0.23465	3.09185E-03	0.23465	0.98743	324.95	324.95	324.95	0
58030000	96.353	473.82	0.22461	3.12743E-03	0.22461	0.98678	324.48	324.48	324.48	0
58040000	95.713	462.02	0.21053	3.08498E-03	0.21053	0.98575	323.97	323.97	323.97	0
58050000	95.005	448.51	0.19433	2.98139E-03	0.19433	0.98438	323.41	323.41	323.41	0
58060000	94.224	436.01	0.17946	2.86633E-03	0.17946	0.98293	322.79	322.79	322.79	0
58070000	93.269	418.10	0.15793	2.61075E-03	0.15793	0.98034	322.04	322.04	322.04	0

C-60	PIPE	COMPONENT								
60010000	91.475	408.71	0.14783	2.51780E-03	0.14783	0.97917	320.63	320.63	320.63	0
60020000	89.776	400.60	0.13288	2.44055E-03	0.13929	0.97810	319.28	319.28	319.28	0
60030000	88.021	393.86	0.13256	2.39405E-03	0.13256	0.97727	317.87	317.87	317.87	0

C-62	PIPE	COMPONENT								
62010000	86.186	389.02	0.12833	2.39191E-03	0.12833	0.97690	316.36	316.36	316.36	0
62020000	84.187	383.17	0.12307	2.38833E-03	0.12307	0.97633	314.69	314.69	314.69	0

C-64	SNGLVOL	COMPONENT								10
64010000	80.849	378.76	0.12130	2.65532E-03	0.12130	0.97684	311.77	311.77	311.77	10

C-66	SNGLVOL	COMPONENT								10
66010000	76.544	367.95	0.11280	2.84659E-03	0.11280	0.97616	307.86	307.86	307.86	10

C-68	SNGLVOL	COMPONENT								10
68010000	71.315	390.43	0.14729	4.37516E-03	0.14730	0.98348	302.86	302.86	302.86	10

C-69	BRANCH	COMPONENT								10
69010000	56.941	372.90	0.14647	7.27065E-03	0.14647	0.98651	287.18	287.17	287.17	10

C-70	BRANCH	COMPONENT								10
70010000	60.585	286.93	6.69630E-02	1.90725E-02	6.66409E-02	0.96324	278.35	278.73	278.64	10

C-71	SNGLVOL	COMPONENT								10
71010000	74.339	114.69	7.90759E-03	7.19622E-03	7.41124E-03	0.62612	145.62	193.61	146.17	10

C-73	BRANCH	COMPONENT								0
73010000	12.605	88.147	1.05056E-04	9.05600E-05	9.93794E-05	0.10938	120.17	135.49	120.17	0

C-75	SNGLVOL	COMPONENT								0
75010000	15.370	88.309	1.81456E-03	1.68192E-03	1.81226E-03	0.62099	120.09	120.65	120.09	0

C-76	PIPE	COMPONENT								
76010000	249.19	956.02	0.80353	0.00000	0.78434	0.99738	400.68	367.82	400.66	10
76020000	193.19	942.38	0.78907	0.00000	0.77561	0.99783	378.91	353.29	378.91	10
76030000	169.47	934.70	0.77858	0.00000	0.77036	0.99801	368.17	351.63	368.17	10
76040000	153.34	929.13	0.77207	0.00000	0.76687	0.99815	360.17	349.31	360.17	0

C-79	SNGLVOL	COMPONENT								0
79010000	2721.4	1010.3	1.0000	0.00000	0.99741	1.0000	680.71	680.57	680.71	0

C-81	SNGLVOL	COMPONENT								0
81010000	2721.6	1010.2	1.0000	0.00000	0.99706	1.0000	680.72	680.56	680.72	0

C-83	PIPE	COMPONENT								
83010000	2728.8	1015.3	1.0000	0.00000	1.0000	1.0000	682.42	682.42	682.42	0
83020000	2723.8	1010.2	1.0000	0.00000	0.99995	1.0000	681.11	681.10	681.11	0

C-85	PIPE	COMPONENT								
85010000	2730.0	1010.1	1.0000	0.00000	1.0000	1.0000	681.18	681.18	681.18	0
85020000	2730.1	1015.3	1.0000	0.00000	1.0000	1.0000	682.53	682.53	682.53	0

C-87	PIPE	COMPONENT								
87010000	2723.2	1009.9	0.99999	0.00000	0.99663	1.0000	680.80	680.63	680.80	0

C-89	SNGLVOL	COMPONENT								
89010000	2724.7	1009.8	0.99999	0.00000	0.99691	1.0000	680.89	680.73	680.89	0

C-91	PIPE	COMPONENT								
91010000	2725.7	1009.4	1.0000	0.00000	0.99571	1.0000	680.94	680.72	680.94	0
91020000	2725.3	1009.6	0.99999	0.00000	0.99614	1.0000	680.92	680.72	680.92	0
91030000	2725.0	1009.7	0.99999	0.00000	0.99659	1.0000	680.90	680.72	680.90	0

C-93	SNGLVOL	COMPONENT								
93010000	16.442	261.47	0.97155	0.86652	0.97155	0.99996	136.96	136.96	136.96	0

C-95	SNGLVOL	COMPONENT								
95010000	167.51	934.06	0.76996	0.00000	0.76996	0.99799	367.23	367.23	367.23	0

C-96	SNGLVOL	COMPONENT								
96010000	215.37	951.78	0.78398	0.00000	0.78398	0.99761	388.06	388.06	388.06	0

C-97	BRANCH	COMPONENT								
97010000	155.11	929.39	0.76859	0.00000	0.76678	0.99812	361.08	357.29	361.08	0

C-99	SNGLVOL	COMPONENT								
99010000	2719.8	1010.6	0.99999	0.00000	0.99790	0.99999	680.62	680.51	680.62	0

C-101	SNGLVOL	COMPONENT								
101010000	2720.0	1010.5	0.99999	0.00000	0.99753	0.99999	680.63	680.50	680.63	0

C-103	PIPE	COMPONENT								
103010000	2721.4	1010.3	0.99999	0.00000	0.99742	0.99999	680.71	680.57	680.71	0
103020000	2721.3	1010.4	0.99999	0.00000	0.99770	0.99999	680.70	680.58	680.70	0

C-105	PIPE	COMPONENT								
105010000	2723.0	1010.1	0.99999	0.00000	0.99711	1.0000	680.70	680.60	680.70	0



83020000	PIPE	COMPONENT	2728.8	1010.2	1.0000	0.00000	0.99999	1.0000	681.11	681.10	681.11	0
C-85	PIPE	COMPONENT	2730.0	1010.1	1.0000	0.00000	1.0000	1.0000	681.18	681.18	681.18	0
85010000	PIPE	COMPONENT	2730.1	1015.3	1.0000	0.00000	1.0000	1.0000	682.53	682.53	682.53	0
85020000	PIPE	COMPONENT	2723.2	1009.9	0.99999	0.00000	0.99663	1.0000	680.80	680.63	680.80	0
C-87	PIPE	COMPONENT	2724.7	1009.8	0.99999	0.00000	0.99691	1.0000	680.89	680.73	680.89	0
C-89	SNGLVOL	COMPONENT	2725.3	1009.4	1.0000	0.00000	0.99571	1.0000	680.94	680.72	680.94	0
87010000	SNGLVOL	COMPONENT	2725.7	1009.6	0.99999	0.00000	0.99614	1.0000	680.92	680.72	680.92	0
C-89	SNGLVOL	COMPONENT	2725.0	1009.7	0.99999	0.00000	0.99659	1.0000	680.90	680.72	680.90	0
89010000	SNGLVOL	COMPONENT	16.442	261.47	0.97155	0.86652	0.97155	0.99996	136.96	136.96	136.96	0
C-91	PIPE	COMPONENT										
91010000	PIPE	COMPONENT										
91020000	PIPE	COMPONENT										
91030000	PIPE	COMPONENT										
C-93	SNGLVOL	COMPONENT										
93010000	SNGLVOL	COMPONENT										

C-95	SNGLVOL	COMPONENT	167.51	934.06	0.76996	0.00000	0.76996	0.99799	367.23	367.23	367.23	0
95010000	SNGLVOL	COMPONENT	215.37	951.78	0.78398	0.00000	0.78399	0.99761	388.06	388.06	388.06	0
C-96	SNGLVOL	COMPONENT	155.11	929.39	0.76859	0.00000	0.76678	0.99812	361.08	357.29	361.08	0
C-97	BRANCH	COMPONENT	2719.8	1010.6	0.99999	0.00000	0.99790	0.99999	680.62	680.51	680.62	0
C-99	SNGLVOL	COMPONENT	2720.0	1010.5	0.99999	0.00000	0.99753	0.99999	680.63	680.50	680.63	0
99010000	SNGLVOL	COMPONENT	2721.4	1010.3	0.99999	0.00000	0.99742	0.99999	680.71	680.57	680.71	0
C-101	SNGLVOL	COMPONENT	27.1.3	1010.4	0.99999	0.00000	0.99770	0.99999	680.70	680.58	680.70	0
101010000	SNGLVOL	COMPONENT	2723.0	1010.1	0.99999	0.00000	0.99711	1.0000	680.79	680.64	680.79	0
C-103	PIPE	COMPONENT	2722.7	1010.2	0.99999	0.00000	0.99757	0.99999	680.78	680.65	680.78	0
103010000	PIPE	COMPONENT	2723.2	1009.9	0.99999	0.00000	0.99662	1.0000	680.80	680.63	680.80	0
C-105	PIPE	COMPONENT	2724.7	1009.8	0.99999	0.00000	0.99690	1.0000	680.89	680.73	680.89	0
105010000	PIPE	COMPONENT	2725.7	1009.4	1.0000	0.00000	0.99571	1.0000	680.94	680.72	680.94	0
C-107	SNGLVOL	COMPONENT	2725.3	1009.6	0.99999	0.00000	0.99613	1.0000	680.92	680.72	680.92	0
107010000	SNGLVOL	COMPONENT	2725.0	1009.7	0.99999	0.00000	0.99658	1.0000	680.90	680.72	680.90	0
C-109	SNGLVOL	COMPONENT	2737.0	1009.4	1.0000	0.00000	1.0000	1.0000	681.56	681.56	681.56	0
109010000	SNGLVOL	COMPONENT	160.81	943.21	0.78327	4.18505E-10	0.78327	0.99822	363.96	363.96	363.96	0
C-111	PIPE	COMPONENT	160.77	943.23	0.78330	5.28595E-10	0.78330	0.99822	363.93	363.93	363.93	0
111010000	PIPE	COMPONENT	160.74	943.25	0.78335	6.66692E-10	0.78335	0.99822	363.92	363.92	363.92	0
C-113	TMDPVOL	COMPONENT	170.93	934.45	0.77141	0.00000	0.76972	0.99796	368.87	365.45	368.87	0
113010000	TMDPVOL	COMPONENT	2036.6	995.52	0.82257	0.00000	0.82257	0.97050	638.38	638.38	638.38	11
C-114	PIPE	COMPONENT	16.181	252.12	0.94884	0.85200	0.94884	0.99993	134.28	134.28	134.28	0
114010000	PIPE	COMPONENT	135.12	925.75	0.76717	1.74946E-10	0.76717	0.99836	350.30	350.30	350.30	0
C-136	SNGLVOL	COMPONENT	131.68	927.15	0.76987	1.85253E-10	0.76987	0.99842	348.31	348.31	348.31	0
114020000	SNGLVOL	COMPONENT	2036.5	995.24	0.82185	0.00000	0.82185	0.97036	638.37	638.37	638.37	11
V-CASE	SNGLVOL	COMPONENT										
178010000	SNGLVOL	COMPONENT										
C-193	SNGLVOL	COMPONENT										
193010000	SNGLVOL	COMPONENT										
C-195	PIPE	COMPONENT										
195010000	PIPE	COMPONENT										
195020000	PIPE	COMPONENT										
V-CASE	SNGLVOL	COMPONENT										
198010000	SNGLVOL	COMPONENT										

VOL.NO.	RHO (LB/FT3)	RHOF (LB/FT3)	RHOG (LB/FT3)	VOLUME (FT3)	UF (RTU/LB)	UG (BTU/LB)	SOUND (FT/SEC)	HEAT INPUT (BTU/SEC)	VAPOR GEN. (LB/FT3-SEC)
1010000	9.2046	32.620	9.2046	0.00000	746.83	1009.4	1065.1	0.00000	10.976
36010000	0.75291	53.420	0.60446	0.14070	380.32	1100.2	1356.4	0.00000	-21.875
36020000	0.60714	54.196	0.47703	0.14070	359.95	1105.1	1346.7	0.00000	-12.788
36030000	0.55007	54.522	0.42733	0.14070	351.15	1108.2	1341.6	0.00000	-7.0690
38010000	0.60310	54.101	0.47462	0.35072	362.48	1114.5	1357.4	0.00000	1.04645E-02
38020000	0.60296	54.101	0.47461	0.35072	362.48	1114.5	1357.6	0.00000	1.14151E-03
38030000	0.60282	54.101	0.47460	0.35072	362.48	1114.5	1357.7	0.00000	1.13657E-03
38040000	0.60267	54.101	0.47459	0.35072	362.48	1114.5	1357.9	0.00000	1.14978E-03
38050000	0.60253	54.101	0.47458	0.35072	362.48	1114.5	1358.1	0.00000	1.16412E-03
38060000	0.60239	54.101	0.47457	0.35072	362.48	1114.5	1358.2	0.00000	1.19382E-03
38070000	0.60226	54.101	0.47457	0.35072	362.48	1114.5	1358.4	0.00000	1.51314E-03
40010000	0.60396	54.097	0.47510	0.21862	362.58	1114.6	1357.1	0.00000	6.48097E-02
42010000	0.63233	54.101	0.47456	0.32880	362.47	1114.5	1321.1	0.00000	6.78829E-03
44010000	0.35187	55.927	0.27014	0.16683	311.44	1103.0	1324.4	0.00000	-6.1931
46010000	0.44891	55.095	0.35191	0.20824	335.29	1111.1	1350.6	0.00000	4.6655
46020000	0.45342	55.062	0.35569	0.35620	336.23	1111.3	1351.3	0.00000	8.33857E-02

46030000	0.45346	55.061	0.35574	0.35620	336.24	1111.3	1351.4	0.00000	4.69983E-03
48010000	0.31630	56.043	0.25494	0.27948	308.01	1106.9	1364.0	0.00000	4.7582
48020000	0.31080	56.094	0.25033	0.27948	306.51	1106.6	1362.8	0.00000	-9.90136E-02
48030000	0.31044	56.096	0.25006	0.27948	306.44	1106.6	1362.9	0.00000	2.89944E-02
48040000	0.31048	56.095	0.25015	0.27948	306.47	1106.6	1363.1	0.00000	6.10741E-02
48050000	0.31055	56.094	0.25026	0.27948	306.50	1106.6	1363.3	0.00000	6.18246E-02
48060000	0.31062	56.092	0.25037	0.27948	306.54	1106.6	1363.5	0.00000	6.17085E-02
48070000	0.31069	56.091	0.25048	0.27948	306.58	1106.6	1363.7	0.00000	6.15273E-02
48080000	0.31076	56.090	0.25059	0.27948	306.61	1106.7	1363.8	0.00000	6.13342E-02
48090000	0.31083	56.089	0.25071	0.27948	306.65	1106.7	1364.0	0.00000	6.11247E-02
50010000	0.30906	56.103	0.24939	0.28824	306.22	1106.6	1364.2	0.00000	0.10107
50020000	0.30903	56.103	0.24941	0.28824	306.23	1106.6	1364.4	0.00000	5.77406E-02
50030000	0.30910	56.102	0.24952	0.28824	306.27	1106.6	1364.5	0.00000	6.09047E-02
50040000	0.30918	56.100	0.24964	0.28824	306.30	1106.6	1364.7	0.00000	6.09005E-02
50050000	0.30927	56.099	0.24976	0.28824	306.34	1106.6	1364.9	0.00000	



36020000	0.60714	54.196	0.47703	0.14070	359.94	1105.1	1346.7	0.00000	-12.788
36030000	0.55007	54.522	0.42733	0.14070	351.15	1108.2	1341.6	0.00000	-7.0690
38010000	0.60310	54.100	0.47462	0.35072	362.48	1114.5	1357.4	0.00000	1.04645E-02
38020000	0.60296	54.101	0.47461	0.35072	362.48	1114.5	1357.6	0.00000	1.14151E-03
38030000	0.60282	54.101	0.47460	0.35072	362.48	1114.5	1357.7	0.00000	1.13657E-03
38040000	0.60267	54.101	0.47459	0.35072	362.48	1114.5	1357.9	0.00000	1.14978E-03
38050000	0.60253	54.101	0.47458	0.35072	362.48	1114.5	1358.1	0.00000	1.16412E-03
38060000	0.60239	54.101	0.47457	0.35072	362.48	1114.5	1358.2	0.00000	1.19382E-03
38070000	0.60226	54.101	0.47457	0.35072	362.48	1114.5	1358.4	0.00000	1.51314E-03
40010000	0.60396	54.097	0.47510	0.21862	362.58	1114.6	1357.1	0.00000	6.48097E-02
42010000	0.63233	54.101	0.47456	0.32880	362.47	1114.5	1321.1	0.00000	6.78829E-03
44010000	0.35187	55.927	0.27014	0.16683	311.44	1103.0	1324.4	0.00000	-6.1931
46010000	0.44891	55.095	0.35191	0.20824	335.29	1111.1	1350.6	0.00000	4.6655
46020000	0.45342	55.062	0.35569	0.35620	336.23	1111.3	1351.3	0.00000	8.33857E-02

46030000	0.45346	55.061	0.35574	0.35620	336.24	1111.3	1351.4	0.00000	4.69983E-03
48010000	0.31630	56.043	0.25494	0.27948	308.01	1106.9	1364.0	0.00000	4.7582
48020000	0.31080	56.094	0.25033	0.27948	306.51	1106.6	1362.8	0.00000	-9.90136E-02
48030000	0.31044	56.096	0.25006	0.27948	306.44	1106.6	1362.9	0.00000	2.89944E-02
48040000	0.31048	56.095	0.25015	0.27948	306.47	1106.6	1363.1	0.00000	6.10741E-02
48050000	0.31055	56.094	0.25026	0.27948	306.50	1106.6	1363.3	0.00000	6.18246E-02
48060000	0.31062	56.092	0.25037	0.27948	306.54	1106.6	1363.5	0.00000	6.17085E-02
48070000	0.31069	56.091	0.25048	0.27948	306.58	1106.6	1363.7	0.00000	6.15273E-02
48080000	0.31076	56.090	0.25059	0.27948	306.61	1106.7	1363.8	0.00000	6.13342E-02
48090000	0.31083	56.089	0.25071	0.27948	306.65	1106.7	1364.0	0.00000	6.11247E-02
50010000	0.30906	56.103	0.24939	0.28824	306.22	1106.6	1364.2	0.00000	0.10107
50020000	0.30903	56.103	0.24941	0.28824	306.23	1106.6	1364.4	0.00000	5.77406E-02
50030000	0.30910	56.102	0.24952	0.28824	306.27	1106.6	1364.5	0.00000	6.09047E-02
50040000	0.30918	56.100	0.24964	0.28824	306.30	1106.6	1364.7	0.00000	6.09005E-02
50050000	0.30927	56.099	0.24976	0.28824	306.34	1106.6	1364.9	0.00000	6.07054E-02
52010000	0.30935	56.098	0.24988	0.27400	306.38	1106.6	1365.0	0.00000	6.06457E-02
54010000	0.30390	56.144	0.24571	0.30578	305.02	1106.4	1365.2	0.00000	0.17061
54020000	0.30366	56.145	0.24556	0.30578	304.97	1106.4	1365.4	0.00000	5.23209E-02
54030000	0.30374	56.144	0.24567	0.30578	305.01	1106.4	1365.5	0.00000	6.11198E-02
54040000	0.30384	56.143	0.24580	0.30578	305.05	1106.4	1365.7	0.00000	6.14601E-02
54050000	0.30394	56.141	0.24594	0.30578	305.09	1106.4	1365.9	0.00000	6.12817E-02
54060000	0.30403	56.140	0.24607	0.30578	305.14	1106.4	1366.1	0.00000	6.10702E-02
54070000	0.30413	56.138	0.24621	0.30578	305.18	1106.4	1366.3	0.00000	6.08518E-02
54080000	0.30423	56.137	0.24634	0.30578	305.23	1106.4	1366.5	0.00000	6.06246E-02
54090000	0.30433	56.135	0.24648	0.30578	305.27	1106.4	1366.6	0.00000	6.03845E-02
54100000	0.30443	56.134	0.24661	0.30578	305.32	1106.4	1366.8	0.00000	6.01279E-02
54110000	0.30453	56.132	0.24675	0.30578	305.36	1106.4	1367.0	0.00000	5.98519E-02
54120000	0.30463	56.131	0.24688	0.30578	305.40	1106.4	1367.2	0.00000	5.95545E-02
54130000	0.30472	56.129	0.24702	0.30578	305.45	1106.4	1367.4	0.00000	5.92327E-02
54140000	0.30481	56.128	0.24715	0.30578	305.49	1106.5	1367.6	0.00000	5.88821E-02
54150000	0.30490	56.126	0.24728	0.30578	305.53	1106.5	1367.8	0.00000	5.84975E-02
54160000	0.30498	56.125	0.24741	0.30578	305.58	1106.5	1368.0	0.00000	5.80751E-02
54170000	0.30506	56.123	0.24754	0.30578	305.62	1106.5	1368.2	0.00000	5.76144E-02
54180000	0.30513	56.122	0.24767	0.30578	305.66	1106.5	1368.5	0.00000	5.71180E-02
54190000	0.30521	56.121	0.24780	0.30578	305.70	1106.5	1368.7	0.00000	5.65901E-02
54200000	0.30527	56.119	0.24792	0.30578	305.74	1106.5	1368.9	0.00000	5.60342E-02
54210000	0.30534	56.118	0.24805	0.30578	305.79	1106.5	1369.2	0.00000	5.54511E-02
54220000	0.30540	56.117	0.24817	0.30578	305.82	1106.5	1369.4	0.00000	5.48401E-02
54230000	0.30546	56.115	0.24829	0.30578	305.86	1106.5	1369.6	0.00000	5.41988E-02
54240000	0.30552	56.114	0.24840	0.30578	305.90	1106.5	1369.8	0.00000	5.35251E-02
54250000	0.30557	56.113	0.24851	0.30578	305.94	1106.5	1370.1	0.00000	5.28174E-02
54260000	0.30562	56.112	0.24862	0.30578	305.97	1106.5	1370.3	0.00000	5.20746E-02
54270000	0.30567	56.110	0.24873	0.30578	306.01	1106.5	1370.5	0.00000	5.12961E-02
54280000	0.30572	56.109	0.24883	0.30578	306.04	1106.6	1370.7	0.00000	5.04816E-02
54290000	0.30576	56.108	0.24892	0.30578	306.07	1106.6	1370.9	0.00000	4.96304E-02
54300000	0.30579	56.107	0.24901	0.30578	306.10	1106.6	1371.1	0.00000	4.87418E-02
54310000	0.30583	56.106	0.24910	0.30578	306.13	1106.6	1371.3	0.00000	4.78144E-02
54320000	0.30585	56.105	0.24918	0.30578	306.16	1106.6	1371.5	0.00000	4.68465E-02
54330000	0.30587	56.105	0.24926	0.30578	306.18	1106.6	1371.7	0.00000	4.58356E-02
54340000	0.30588	56.104	0.24933	0.30578	306.20	1106.6	1371.9	0.00000	4.47792E-02
54350000	0.30588	56.103	0.24939	0.30578	306.22	1106.6	1372.1	0.00000	4.36751E-02
54360000	0.30588	56.103	0.24945	0.30578	306.24	1106.6	1372.3	0.00000	4.25212E-02
54370000	0.30586	56.102	0.24949	0.30578	306.26	1106.6	1372.5	0.00000	4.13163E-02
54380000	0.30584	56.102	0.24954	0.30578	306.27	1106.6	1372.7	0.00000	4.00592E-02
54390000	0.30580	56.101	0.24957	0.30578	306.28	1106.6	1372.9	0.00000	3.87499E-02
54400000	0.30576	56.101	0.24959	0.30578	306.29	1106.6	1373.0	0.00000	3.73884E-02
54410000	0.30570	56.101	0.24961	0.30578	306.29	1106.6	1373.2	0.00000	3.59757E-02
54420000	0.30564	56.101	0.24962	0.30578	306.30	1106.6	1373.4	0.00000	3.45129E-02
54430000	0.30556	56.101	0.24961	0.30578	306.30	1106.6	1373.6	0.00000	3.30017E-02
54440000	0.30547	56.101	0.24960	0.30578	306.29	1106.6	1373.8	0.00000	3.14439E-02

54450000	0.30537	56.101	0.24958	0.30578	306.28	1106.6	1374.0	0.00000	2.98419E-02
54460000	0.30526	56.101	0.24955	0.30578	306.27	1106.6	1374.2	0.00000	2.81983E-02
54470000	0.30514	56.102	0.24951	0.30578	306.26	1106.6	1374.3	0.00000	2.65165E-02
54480000	0.30500	56.103	0.24945	0.30578	306.24	1106.6	1374.5	0.00000	2.48002E-02
54490000	0.30485	56.103	0.24939	0.30578	306.22	1106.6	1374.7	0.00000	2.30537E-02
54500000	0.30469	56.104	0.24932	0.30578	306.20	1106.6	1374.8	0.00000	2.12822E-02
54510000	0.30451	56.105	0.24923	0.30578	306.17	1106.6	1375.0	0.00000	1.94914E-02
54520000	0.30432	56.106	0.24913	0.30578	306.14	1106.6	1375.2	0.00000	1.76884E-02
54530000	0.30412	56.107	0.24903	0.30578	306.10	1106.6	1375.3	0.00000	1.58811E-02
54540000	0.30391	56.109	0.24891	0.30578	306.07	1106.6	1375.5	0.00000	1.40785E-02
54550000	0.30369	56.110	0.24878	0.30578	306.02	1106.5	1375.6	0.00000	1.22894E-02
54560000	0.30345	56.111	0.24864	0.30578	305.98	1106.5	1375.8	0.00000	1.05224E-02
54570000	0.30320	56.113	0.24849	0.30578	305.93	1106.5	1375.9	0.00000	8.78649E-03
54580000	0.30295	56.115	0.24832	0.30578	305.88	1106.5	1376.1	0.00000	7.09245E-03



54320000	0.30585	56.105	0.24918	0.30578	306.11	1106.6	1371.3	0.00000	4.78144E-02
54330000	0.30587	56.105	0.24926	0.30578	306.11	1106.6	1371.5	0.00000	4.68465E-02
54340000	0.30588	56.104	0.24933	0.30578	306.20	1106.6	1371.7	0.00000	4.58356E-02
54350000	0.30588	56.103	0.24939	0.30578	306.22	1106.6	1371.9	0.00000	4.47792E-02
54360000	0.30588	56.103	0.24945	0.30578	306.24	1106.6	1372.1	0.00000	4.36751E-02
54370000	0.30586	56.102	0.24949	0.30578	306.26	1106.6	1372.3	0.00000	4.25212E-02
54380000	0.30584	56.102	0.24954	0.30578	306.27	1106.6	1372.5	0.00000	4.13163E-02
54390000	0.30580	56.101	0.24957	0.30578	306.28	1106.6	1372.7	0.00000	4.00592E-02
54400000	0.30576	56.101	0.24959	0.30578	306.29	1106.6	1372.9	0.00000	3.87499E-02
54410000	0.30570	56.101	0.24961	0.30578	306.29	1106.6	1373.0	0.00000	3.73884E-02
54420000	0.30564	56.101	0.24962	0.30578	306.30	1106.6	1373.2	0.00000	3.59757E-02
54430000	0.30556	56.101	0.24961	0.30578	306.30	1106.6	1373.4	0.00000	3.45129E-02
54440000	0.30547	56.101	0.24960	0.30578	306.29	1106.6	1373.6	0.00000	3.30017E-02
							1373.8	0.00000	3.14439E-02

54450000	0.30537	56.101	0.24958	0.30578	306.28	1106.6	1374.0	0.00000	2.98419E-02
54460000	0.30526	56.101	0.24955	0.30578	306.27	1106.6	1374.2	0.00000	2.81983E-02
54470000	0.30514	56.102	0.24951	0.30578	306.26	1106.6	1374.3	0.00000	2.65165E-02
54480000	0.30500	56.103	0.24945	0.30578	306.24	1106.6	1374.5	0.00000	2.48002E-02
54490000	0.30485	56.103	0.24939	0.30578	306.22	1106.6	1374.7	0.00000	2.30537E-02
54500000	0.30469	56.104	0.24932	0.30578	306.20	1106.6	1374.8	0.00000	2.12822E-02
54510000	0.30451	56.105	0.24923	0.30578	306.17	1106.6	1375.0	0.00000	1.94914E-02
54520000	0.30432	56.106	0.24913	0.30578	306.14	1106.6	1375.2	0.00000	1.76884E-02
54530000	0.30412	56.107	0.24903	0.30578	306.10	1106.6	1375.3	0.00000	1.58811E-02
54540000	0.30391	56.109	0.24891	0.30578	306.07	1106.6	1375.5	0.00000	1.40785E-02
54550000	0.30369	56.110	0.24878	0.30578	306.02	1106.5	1375.6	0.00000	1.22894E-02
54560000	0.30345	56.111	0.24864	0.30578	305.98	1106.5	1375.8	0.00000	1.05224E-02
54570000	0.30320	56.113	0.24849	0.30578	305.93	1106.5	1375.9	0.00000	8.78649E-03
54580000	0.30295	56.115	0.24832	0.30578	305.88	1106.5	1376.1	0.00000	7.09245E-03
54590000	0.30268	56.117	0.24815	0.30578	305.82	1106.5	1376.2	0.00000	5.45450E-03
54600000	0.30240	56.119	0.24797	0.30578	305.76	1106.5	1376.3	0.00000	3.88924E-03
54610000	0.30212	56.121	0.24779	0.30578	305.70	1106.5	1376.4	0.00000	2.41188E-03
54620000	0.30183	56.123	0.24759	0.30578	305.64	1106.5	1376.5	0.00000	1.03189E-03
54630000	0.30154	56.125	0.24739	0.30578	305.57	1106.5	1376.6	0.00000	-2.46921E-04
54640000	0.30124	56.127	0.24718	0.30578	305.50	1106.5	1376.7	0.00000	-1.42437E-04
54650000	0.30093	56.130	0.24697	0.30578	305.43	1106.4	1376.8	0.00000	-1.59189E-03
54660000	0.30063	56.132	0.24675	0.30578	305.36	1106.4	1376.9	0.00000	-2.66097E-03
54670000	0.30033	56.135	0.24653	0.30578	305.29	1106.4	1376.9	0.00000	-3.52792E-03
54680000	0.30003	56.137	0.24631	0.30578	305.22	1106.4	1377.0	0.00000	-4.19274E-03
54690000	0.29974	56.140	0.24609	0.30578	305.14	1106.4	1377.0	0.00000	-4.72699E-03
54700000	0.29944	56.142	0.24586	0.30578	305.07	1106.4	1377.0	0.00000	-5.23549E-03
54710000	0.29916	56.145	0.24563	0.30578	304.99	1106.4	1377.0	0.00000	-5.77029E-03
54720000	0.29888	56.147	0.24541	0.30578	304.92	1106.4	1377.0	0.00000	-6.21783E-03
54730000	0.29861	56.150	0.24518	0.30578	304.84	1106.3	1377.0	0.00000	-6.68898E-03
54740000	0.29840	56.152	0.24503	0.30578	304.77	1106.2	1376.9	0.00000	-4.66746E-03
54750000	0.29805	56.155	0.24474	0.30578	304.69	1106.2	1376.9	0.00000	-5.85096E-03
54760000	0.29779	56.157	0.24452	0.30578	304.62	1106.2	1376.9	0.00000	-6.61428E-03
54770000	0.29755	56.160	0.24430	0.30578	304.54	1106.2	1376.8	0.00000	-6.49045E-03
54780000	0.29732	56.162	0.24409	0.30578	304.47	1106.1	1376.7	0.00000	-6.32547E-03
54790000	0.29711	56.165	0.24387	0.30578	304.40	1106.1	1376.5	0.00000	-6.27077E-03
54800000	0.29691	56.167	0.24366	0.30578	304.32	1106.1	1376.3	0.00000	-6.26879E-03
54810000	0.29672	56.169	0.24345	0.30578	304.25	1106.0	1376.1	0.00000	-6.22823E-03
54820000	0.29656	56.172	0.24324	0.30578	304.18	1106.0	1375.8	0.00000	-6.10703E-03
54830000	0.29642	56.174	0.24303	0.30578	304.11	1106.0	1375.5	0.00000	-5.91334E-03
54840000	0.29630	56.177	0.24283	0.30578	304.04	1105.9	1375.1	0.00000	-5.67424E-03
54850000	0.29621	56.179	0.24263	0.30578	303.97	1105.9	1374.7	0.00000	-5.41171E-03
54860000	0.29614	56.181	0.24244	0.30578	303.90	1105.8	1374.2	0.00000	-5.13756E-03
54870000	0.29609	56.183	0.24224	0.30578	303.84	1105.8	1373.7	0.00000	-4.86139E-03
54880000	0.29607	56.186	0.24205	0.30578	303.77	1105.7	1373.1	0.00000	-4.60006E-03
54890000	0.29608	56.188	0.24186	0.30578	303.70	1105.7	1372.5	0.00000	-4.38160E-03
54900000	0.29611	56.190	0.24167	0.30578	303.63	1105.6	1371.8	0.00000	-4.24314E-03
54910000	0.29617	56.193	0.24148	0.30578	303.56	1105.5	1371.0	0.00000	-4.22579E-03
54920000	0.29625	56.195	0.24129	0.30578	303.49	1105.5	1370.1	0.00000	-4.36879E-03
54930000	0.29637	56.197	0.24109	0.30578	303.42	1105.4	1369.1	0.00000	-4.70319E-03
54940000	0.29651	56.200	0.24089	0.30578	303.35	1105.3	1368.1	0.00000	-5.24515E-03
54950000	0.29667	56.202	0.24069	0.30578	303.27	1105.2	1367.0	0.00000	-5.99103E-03
56010000	0.29609	56.215	0.23963	0.49155	302.91	1105.0	1364.9	0.00000	2.69967E-03
56020000	0.29646	56.220	0.23924	0.49155	302.76	1104.8	1362.6	0.00000	-9.21599E-03
56030000	0.29694	56.225	0.23884	0.49155	302.61	1104.6	1360.1	0.00000	-1.12431E-02
56040000	0.29750	56.230	0.23842	0.49155	302.45	1104.3	1357.2	0.00000	-1.29208E-02
56050000	0.29816	56.235	0.23799	0.49155	302.29	1104.1	1354.1	0.00000	-1.41166E-02
56060000	0.29892	56.241	0.23755	0.49155	302.12	1103.8	1350.6	0.00000	-1.46242E-02
56070000	0.29982	56.247	0.23712	0.49155	301.94	1103.4	1346.9	0.00000	-1.43743E-02
56080000	0.30088	56.253	0.23669	0.49155	301.77	1103.1	1342.7	0.00000	-1.34387E-02
56090000	0.30215	56.259	0.23627	0.49155	301.60	1102.7	1338.1	0.00000	-1.19933E-02

56100000	0.30369	56.264	0.23587	0.49155	301.44	1102.3	1332.9	0.00000	-1.02611E-02
56110000	0.30562	56.270	0.23549	0.49155	301.27	1101.9	1326.9	0.00000	-8.45492E-03
56120000	0.30809	56.275	0.23512	0.49155	301.11	1101.5	1319.6	0.00000	-6.73655E-03
56130000	0.31133	56.280	0.23475	0.49155	300.95	1101.1	1310.6	0.00000	-5.20095E-03
56140000	0.31568	56.286	0.23439	0.49155	300.79	1100.6	1299.2	0.00000	-3.88357E-03
56150000	0.32156	56.291	0.23402	0.49155	300.63	1100.2	1284.5	0.00000	-2.77909E-03
56160000	0.32949	56.296	0.23364	0.49155	300.47	1099.8	1265.7	0.00000	-1.85602E-03
56170000	0.34008	56.302	0.23325	0.49155	300.31	1099.4	1242.0	0.00000	-1.06473E-03
56180000	0.35394	56.308	0.23283	0.49155	300.14	1099.1	1212.9	0.00000	-3.45832E-04
56190000	0.37165	56.314	0.23238	0.49155	299.96	1098.7	1178.3	0.00000	1.90245E-04
56200000	0.39361	56.320	0.23189	0.49155	299.77	1098.5	1138.7	0.00000	1.54563E-03
56210000	0.41998	56.327	0.23136	0.49155	299.57	1098.2	1095.4	0.00000	2.59381E-03
56220000	0.45057	56.334	0.23078	0.49155	299.35	1098.0	1050.0	0.00000	1.53241E-03
56230000	0.48485	56.342	0.23015	0.49155	299.12	1097.8	1004.1	0.00000	3.99101E-03
56240000	0.52222	56.350	0.22947	0.49155	298.89	1097.6	959.23	0.00000	2.04126E-03



54910000	0.29617	56.193	0.24148	0.30578	303.45	1105.5	1371.0	0.00000	-4.22579E-03
54920000	0.29625	56.195	0.24129	0.30578	303.49	1105.5	1370.1	0.00000	-4.36879E-03
54930000	0.29637	56.197	0.24104	0.30578	303.42	1105.4	1369.1	0.00000	-4.70319E-03
54940000	0.29651	56.200	0.24089	0.30578	303.35	1105.3	1368.1	0.00000	-5.24515E-03
54950000	0.29667	56.202	0.24069	0.30578	303.27	1105.2	1367.0	0.00000	-5.99103E-03
56010000	0.29609	56.215	0.23963	0.49155	302.91	1105.0	1364.9	0.00000	2.69967E-03
56020000	0.29646	56.220	0.23924	0.49155	302.76	1104.8	1362.6	0.00000	-9.21599E-03
56030000	0.29694	56.225	0.23884	0.49155	302.61	1104.6	1360.1	0.00000	-1.12431E-02
56040000	0.29750	56.230	0.23842	0.49155	302.45	1104.3	1357.2	0.00000	-1.29208E-02
56050000	0.29816	56.235	0.23799	0.49155	302.29	1104.1	1354.1	0.00000	-1.41166E-02
56060000	0.29892	56.241	0.23755	0.49155	302.12	1103.8	1350.6	0.00000	-1.46242E-02
56070000	0.29982	56.247	0.23712	0.49155	301.94	1103.4	1346.9	0.00000	-1.43743E-02
56080000	0.30088	56.253	0.23669	0.49155	301.77	1103.1	1342.7	0.00000	-1.34387E-02
56090000	0.30215	56.259	0.23627	0.49155	301.60	1102.7	1338.1	0.00000	-1.19933E-02

56100000	0.30369	56.264	0.23587	0.49155	301.44	1102.3	1332.9	0.00000	-1.02611E-02
56110000	0.30562	56.270	0.23549	0.49155	301.27	1101.9	1326.9	0.00000	-8.45492E-03
56120000	0.30809	56.275	0.23512	0.49155	301.11	1101.5	1319.6	0.00000	-6.73655E-03
56130000	0.31133	56.280	0.23475	0.49155	300.95	1101.1	1310.6	0.00000	-5.20095E-03
56140000	0.31568	56.286	0.23439	0.49155	300.79	1100.6	1299.2	0.00000	-3.88357E-03
56150000	0.32156	56.291	0.23402	0.49155	300.63	1100.2	1284.5	0.00000	-2.77909E-03
56160000	0.32949	56.296	0.23364	0.49155	300.47	1099.8	1265.7	0.00000	-1.85602E-03
56170000	0.34008	56.302	0.23325	0.49155	300.31	1099.4	1242.0	0.00000	-1.06473E-03
56180000	0.35394	56.308	0.23283	0.49155	300.14	1099.1	1212.9	0.00000	-3.45832E-04
56190000	0.37165	56.314	0.23238	0.49155	299.96	1098.7	1178.3	0.00000	1.90245E-04
56200000	0.39361	56.320	0.23189	0.49155	299.77	1098.5	1138.7	0.00000	1.54563E-03
56210000	0.41998	56.327	0.23136	0.49155	299.57	1098.2	1095.4	0.00000	2.59381E-03
56220000	0.45057	56.334	0.23078	0.49155	299.35	1098.0	1050.0	0.00000	1.53241E-03
56230000	0.48485	56.342	0.23015	0.49155	299.12	1097.8	1004.1	0.00000	3.99101E-03
56240000	0.52222	56.350	0.22947	0.49155	298.88	1097.6	959.23	0.00000	2.04126E-03
56250000	0.56213	56.359	0.22874	0.49155	298.61	1097.5	916.15	0.00000	3.18083E-03
56260000	0.60352	56.368	0.22795	0.49155	298.33	1097.3	875.85	0.00000	2.79634E-04
56270000	0.64420	56.378	0.22714	0.49155	298.04	1097.1	839.86	0.00000	-4.19756E-03
56280000	0.68118	56.387	0.22639	0.49155	297.76	1096.9	809.84	0.00000	-2.38559E-02
56290000	0.71206	56.394	0.22586	0.49155	297.55	1096.7	786.72	0.00000	-4.69588E-02
56300000	0.74751	56.402	0.22523	0.49155	297.32	1096.4	761.88	0.00000	2.12873E-02
56310000	0.79931	56.419	0.22386	0.49155	296.81	1096.0	727.56	0.00000	-1.91262E-02
56320000	0.83415	56.426	0.22336	0.49155	296.59	1095.6	707.06	0.00000	-6.64822E-02
56330000	0.86065	56.431	0.22300	0.49155	296.44	1095.2	692.30	0.00000	-2.18183E-02
56340000	0.87816	56.436	0.22272	0.49155	296.30	1094.7	682.82	0.00000	7.33231E-03
56350000	0.90380	56.442	0.22231	0.49155	296.11	1094.1	669.41	0.00000	5.82244E-03
58010000	0.90979	56.456	0.22132	0.54635	295.70	1093.4	664.56	0.00000	2.77897E-02
58020000	0.92688	56.470	0.22026	0.54635	295.27	1092.6	654.50	0.00000	5.26619E-03
58030000	0.96250	56.486	0.21908	0.54635	294.79	1091.9	636.33	0.00000	1.10809E-02
58040000	1.0197	56.503	0.21777	0.54635	294.26	1091.1	610.22	0.00000	2.49274E-02
58050000	1.0957	56.523	0.21631	0.54635	293.68	1090.4	579.14	0.00000	4.81613E-02
58060000	1.1758	56.544	0.21468	0.54635	293.04	1089.7	549.50	0.00000	8.32939E-02
58070000	1.3202	56.569	0.21268	0.54635	292.26	1089.0	504.48	0.00000	0.14566
60010000	1.3834	56.617	0.20886	0.60828	290.81	1088.3	482.39	0.00000	0.37139
60020000	1.4412	56.662	0.20523	0.60828	289.42	1087.6	463.15	0.00000	0.39879
60030000	1.4854	56.710	0.20149	0.60828	287.96	1086.8	447.66	0.00000	0.50526
62010000	1.5040	56.760	0.19757	0.54800	286.41	1086.0	437.71	0.00000	0.66092
62020000	1.5335	56.816	0.19330	0.54800	284.68	1085.0	425.17	0.00000	0.80613
64010000	1.4998	56.913	0.18623	0.90420	281.66	1082.1	420.82	0.00000	0.95913
66010000	1.5325	57.042	0.17709	0.82200	277.63	1078.3	399.87	0.00000	1.3316
68010000	1.1080	57.205	0.16594	0.82200	272.47	1073.3	480.31	0.00000	1.6650
69010000	0.91165	57.702	0.13535	2.2358	256.36	1052.0	476.61	0.00000	1.7172
70010000	2.2837	57.977	0.15876	2.2358	247.35	838.45	270.90	0.00000	-1.8926
71010000	23.096	61.286	0.29169	2.2358	113.52	260.46	148.23	0.00000	-3.0742
73010000	54.967	61.712	5.27894E-02	600.33	88.126	292.21	95.705	0.00000	-3.54356E-02
75010000	23.432	61.713	6.84698E-02	199.98	88.047	232.08	65.995	0.00000	-1.43426E-02
76010000	0.71467	53.627	0.57577	0.10050	374.99	1098.1	1357.6	0.00000	-23.310
76020000	0.56011	54.499	0.44293	0.10050	351.78	1100.3	1347.1	0.00000	-17.768
76030000	0.49207	54.912	0.38388	0.10050	340.40	1103.7	1339.8	0.00000	-11.768
76040000	0.44637	55.213	0.34527	0.10050	331.98	1105.4	1334.6	0.00000	-7.4015
79010000	9.1151	32.789	9.1151	0.11760	744.99	1010.3	1072.5	0.00000	-1.66319E-04
81010000	9.1202	32.787	9.1202	8.65830E-02	745.01	1010.2	1072.2	0.00000	-1.85991E-04
83010000	8.8924	32.710	8.8924	7.93800E-02	745.86	1015.3	1409.9	0.00000	0.00000
83020000	9.1432	32.710	9.1432	9.37860E-02	745.86	1010.2	1069.8	0.00000	-2.78999E-06
85010000	9.1508	32.696	9.1508	0.10334	746.01	1010.1	1371.3	0.00000	0.00000
85020000	8.8944	32.696	8.8944	0.10334	746.01	1015.3	1407.4	0.00000	0.00000
87010000	9.1363	32.770	9.1363	8.58480E-02	745.20	1009.9	1071.2	0.00000	-2.41144E-04
89010000	9.1447	32.754	9.1447	0.11539	745.38	1009.8	1070.5	0.00000	-2.17659E-04
91010000	9.1643	32.743	9.1643	0.15787	745.50	1009.4	1069.4	0.00000	-2.77722E-04
91020000	9.1571	32.747	9.1571	0.15787	745.45	1009.6	1069.8	0.00000	-2.58723E-04

91030000	9.1499	32.751	9.1499	0.15787	745.41	1009.7	1070.2	0.00000	-2.35539E-04
93010000	7.18923E-02	61.433	6.98497E-02	9000.0	104.90	266.05	1098.9	0.00000	7.42343E-04
95010000	0.47794	54.948	0.36873	0.10251	339.41	1111.7	1339.2	0.00000	1.2122
96010000	0.59750	54.138	0.46955	0.16944	361.48	1114.4	1356.3	0.00000	1.9282
97010000	0.44780	55.179	0.34483	0.12140	332.94	1109.0	1334.8	0.00000	-2.6196
99010000	9.0982	32.807	9.0982	0.11760	744.80	1010.6	1073.5	0.00000	-1.65235E-04
01010000	9.1032	32.805	9.1032	8.65830E-02	744.82	1010.5	1073.3	0.00000	-1.91526E-04
03010000	9.1149	32.790	9.1149	0.10054	744.99	1010.3	1072.5	0.00000	-1.95332E-04
03020000	9.1108	32.791	9.1107	9.37860E-02	744.97	1010.4	1072.7	0.00000	-1.76082E-04
05010000	9.1298	32.773	9.1297	0.15155	745.18	1010.1	1071.5	0.00000	-2.11883E-04
05020000	9.1231	32.775	9.1231	0.15155	745.15	1010.2	1071.9	0.00000	-1.81638E-04
07010000	9.1363	32.770	9.1363	8.58480E-02	745.20	1009.9	1071.2	0.00000	-2.41349E-04
09010000	9.1447	32.754	9.1447	0.11539	745.38	1009.8	1070.5	0.00000	-2.17843E-04
11010000	9.1643	32.743	9.1643	0.15787	745.49	1009.4	1069.4	0.00000	-2.78015E-04
11020000	9.1571	32.748	9.1570	0.15787	745.47	1009.6	1069.8	0.00000	-2.58723E-04















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	1	0	0	0	0	0	0	0	0	0	0	0	0
56220000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
56230000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
56240000	0	1	0	0	0	0	0	0	0	0	0	0	0	0

56250000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
56260000	0	3	0	0	0	0	0	0	0	0	0	0	0	0
56270000	0	6	0	0	0	0	0	0	0	0	0	0	0	0
56280000	0	8	0	0	0	0	0	0	0	0	0	0	0	0
56290000	0	7	0	0	0	0	0	0	0	0	0	0	0	0
56300000	0	8	0	0	0	0	0	0	0	0	0	0	0	0
56310000	0	3	0	0	0	0	0	0	0	0	0	0	0	0
56320000	0	3	0	0	0	0	0	0	0	0	0	0	0	0
56330000	0	4	0	0	0	0	0	0	0	0	0	0	0	0
56340000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
56350000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
58010000	0	3	0	0	0	0	0	0	0	0	0	0	0	0
58020000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
58030000	0	3	0	0	0	0	0	0	0	0	0	0	0	0
58040000	0	2	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	1	0	0	0	0	0	0	0	0	0	0	0	0
58070000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
60010000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
60020000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
60030000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
62010000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
62020000	0	5	0	0	0	0	0	0	0	0	0	0	0	0
64010000	0	10	0	0	0	0	0	0	0	0	0	0	0	0
66010000	0	55	0	0	0	0	0	0	0	0	0	0	0	0
68010000	0	64	0	0	0	0	0	0	0	0	0	0	0	0
69010000	0	71	0	0	0	0	0	0	0	0	0	0	0	0
70010000	0	97	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	2	0	0	0	0	0	6	0	0	0	0	0	0
75010000	0	1	0	0	0	0	0	0	0	1	0	0	0	0
76010000	200	666	0	0	0	0	0	0	0	0	20	0	0	0
76020000	0	10	0	0	0	0	0	1	0	0	28	0	0	0
76030000	0	28	0	0	0	0	0	0	0	0	200	1122	100	489
76040000	0	1	0	0	0	0	0	0	0	0	644	0	155	0
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	0	2	0	12	0	0	6
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	158	0	18	0
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
07010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0

11030000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14020000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
14030000	0	9	0	0	0	0	0	0	0	0	0	0	0	0
36010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78010000	0	0	0	0	0	0	0	0	0	0	3	0	0	0
93010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95010000	0	6	0	0	0	0	0	0	0	0	0	0	0	0
95020000	0	407	0	2	0	0	0	12	0	1	3	0	1	0
98010000	0	6	0	0	0	0	0	0	0	0	0	0	0	0

JUN.NO. FROM VOL. TO VOL. LTO. VEL. VAP. VEL. MASS FLOW JUN.AREA THROAT RATIO JUNCTION CHOKE NO. SVS. CHOKED



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	12	0	6
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	0	4	0	0	0	0	0	0	0	0	158	0	0	18
01010000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
03010000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
03020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05010000	0	6	0	0	0	0	0	0	0	0	0	0	0	0
05020000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
07010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0

11030000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14020000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
14030000	0	9	0	0	0	0	0	0	0	0	0	0	0	0
36010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78010000	0	8	0	0	0	0	0	0	0	0	3	0	0	0
93010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95010000	0	6	0	0	0	0	0	0	0	0	0	0	0	0
95020000	0	407	0	2	0	0	0	12	0	1	3	0	0	1
98010000	0	6	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
-36	PIPE	COMPONENT										
36010000	36010000	36020000	741.94	741.94	112.52	0.20100	1.0000	1000	0	0	0	
36020000	36020000	36030000	922.07	922.07	112.53	0.20100	1.0000	1000	0	0	0	
-96-040	SNGLJUN	COMPONENT										
37000000	96010000	40010000	177.55	177.55	21.323	0.20100	1.0000	0	0	0	10	
-38	PIPE	COMPONENT										
38010000	38010000	38020000	64.459	64.459	21.304	0.54800	1.0000	1000	0	0	0	
38020000	38020000	38030000	64.437	64.437	21.291	0.54800	1.0000	1000	0	0	0	
38030000	38030000	38040000	64.414	64.414	21.279	0.54800	1.0000	1000	0	0	0	
38040000	38040000	38050000	64.391	64.391	21.266	0.54800	1.0000	1000	0	0	0	
38050000	38050000	38060000	64.367	64.367	21.253	0.54800	1.0000	1000	0	0	0	
38060000	38060000	38070000	64.342	64.342	21.240	0.54800	1.0000	1000	0	0	0	
-40-38	SNGLJUN	COMPONENT										
39000000	40010000	38010000	94.117	94.117	21.316	0.37500	1.0000	1000	0	0	0	
-38-42	SNGLJUN	COMPONENT										
41000000	38070000	42010000	64.318	64.318	21.227	0.54800	1.0000	1000	0	0	0	
-42-44	SNGLJUN	COMPONENT										
43000000	42010000	44010000	175.41	175.41	21.230	0.20100	1.0000	100	0	0	148	
-44-46	SNGLJUN	COMPONENT										
45000000	44010000	46010000	861.14	861.14	60.891	0.20100	1.0000	100	0	0	150	
-46	PIPE	COMPONENT										
46010000	46010000	46020000	247.57	247.57	60.905	0.54800	1.0000	1000	0	0	0	
46020000	46020000	46030000	245.08	245.08	60.896	0.54800	1.0000	1000	0	0	0	
-46-48	SNGLJUN	COMPONENT										
47000000	46030000	114010000	245.03	245.03	60.887	0.54800	1.0000	1000	0	0	0	
-48	PIPE	COMPONENT										
48010000	48010000	48020000	349.68	349.68	60.560	0.54800	1.0000	1000	0	0	0	
48020000	48020000	48030000	354.02	354.02	60.241	0.54800	1.0000	1000	0	0	0	
48030000	48030000	48040000	352.54	352.54	59.920	0.54800	1.0000	1000	0	0	0	
48040000	48040000	48050000	350.61	350.61	59.599	0.54800	1.0000	1000	0	0	0	
48050000	48050000	48060000	348.65	348.65	59.279	0.54800	1.0000	1000	0	0	0	
48060000	48060000	48070000	346.69	346.69	58.960	0.54800	1.0000	1000	0	0	0	
48070000	48070000	48080000	344.74	344.74	58.642	0.54800	1.0000	1000	0	0	0	
48080000	48080000	48090000	342.79	342.79	58.324	0.54800	1.0000	1000	0	0	0	
-48-50	SNGLJUN	COMPONENT										
49000000	48090000	50010000	340.85	340.85	58.007	0.54800	1.0000	1000	0	0	0	
-50	PIPE	COMPONENT										
50010000	50010000	50020000	340.87	340.87	57.680	0.54800	1.0000	1000	0	0	0	
50020000	50020000	50030000	338.98	338.98	57.353	0.54800	1.0000	1000	0	0	0	
50030000	50030000	50040000	336.97	336.97	57.027	0.54800	1.0000	1000	0	0	0	
50040000	50040000	50050000	334.96	334.96	56.702	0.54800	1.0000	1000	0	0	0	
-50-52	SNGLJUN	COMPONENT										
51000000	50050000	52010000	332.95	332.95	56.378	0.54800	1.0000	1000	0	0	0	
-52-54	SNGLJUN	COMPONENT										
53000000	52010000	54010000	331.05	331.05	56.071	0.54800	1.0000	1000	0	0	0	
-54	PIPE	COMPONENT										

54010000	54010000	54020000	334.90	334.90	55.722	0.54800	1.0000	1000	0	0	0
54020000	54020000	54030000	333.06	333.06	55.372	0.54800	1.0000	1000	0	0	0
54030000	54030000	54040000	330.88	330.88	55.024	0.54800	1.0000	1000	0	0	0
54040000	54040000	54050000	328.69	328.69	54.677	0.54800	1.0000	1000	0	0	0
54050000	54050000	54060000	326.50	326.50	54.331	0.54800	1.0000	1000	0	0	0
54060000	54060000	54070000	324.32	324.32	53.986	0.54800	1.0000	1000	0	0	0
54070000	54070000	54080000	322.15	322.15	53.642	0.54800	1.0000	1000	0	0	0
54080000	54080000	54090000	319.98	319.98	53.299	0.54800	1.0000	1000	0	0	0
54090000	54090000	54100000	317.83	317.83	52.957	0.54800	1.0000	1000	0	0	0
54100000	54100000	54110000	315.68	315.68	52.617	0.54800	1.0000	1000	0	0	0
54110000	54110000	54120000	313.54	313.54	52.278	0.54800	1.0000	1000	0	0	0
54120000	54120000	54130000	311.42	311.42	51.940	0.54800	1.0000	1000	0	0	0
54130000	54130000	54140000	309.31	309.31	51.604	0.54800	1.0000	1000	0	0	0



48070000	48070000	48080000	344.74	344.74	58.642	0.54800	1.0000	1000	0	0	0
48080000	48080000	48090000	342.79	342.79	58.324	0.54800	1.0000	1000	0	0	0
:-48-50 SNGLJUN COMPONENT											
49000000	48090000	50010000	340.85	340.85	59.007	0.54800	1.0000	1000	0	0	0
:-50 PIPE COMPONENT											
50010000	50010000	50020000	340.87	340.87	57.680	0.54800	1.0000	1000	0	0	0
50020000	50020000	50030000	338.98	338.98	57.353	0.54800	1.0000	1000	0	0	0
50030000	50030000	50040000	336.97	336.97	57.027	0.54800	1.0000	1000	0	0	0
50040000	50040000	50050000	334.96	334.96	56.702	0.54800	1.0000	1000	0	0	0
:-50-52 SNGLJUN COMPONENT											
51000000	50050000	52010000	332.95	332.95	56.378	0.54800	1.0000	1000	0	0	0
:-52-54 SNGLJUN COMPONENT											
53000000	52010000	54010000	331.05	331.05	56.071	0.54800	1.0000	1000	0	0	0
:-54 PIPE COMPONENT											

54010000	54010000	54020000	334.90	334.90	55.722	0.54800	1.0000	1000	0	0	0
54020000	54020000	54030000	333.06	333.06	55.372	0.54800	1.0000	1000	0	0	0
54030000	54030000	54040000	330.88	330.88	55.024	0.54800	1.0000	1000	0	0	0
54040000	54040000	54050000	328.69	328.69	54.677	0.54800	1.0000	1000	0	0	0
54050000	54050000	54060000	326.50	326.50	54.331	0.54800	1.0000	1000	0	0	0
54060000	54060000	54070000	324.32	324.32	53.986	0.54800	1.0000	1000	0	0	0
54070000	54070000	54080000	322.15	322.15	53.642	0.54800	1.0000	1000	0	0	0
54080000	54080000	54090000	319.98	319.98	53.299	0.54800	1.0000	1000	0	0	0
54090000	54090000	54100000	317.83	317.83	52.957	0.54800	1.0000	1000	0	0	0
54100000	54100000	54110000	315.68	315.68	52.617	0.54800	1.0000	1000	0	0	0
54110000	54110000	54120000	313.54	313.54	52.278	0.54800	1.0000	1000	0	0	0
54120000	54120000	54130000	311.42	311.42	51.940	0.54800	1.0000	1000	0	0	0
54130000	54130000	54140000	309.31	309.31	51.604	0.54800	1.0000	1000	0	0	0
54140000	54140000	54150000	307.21	307.21	51.269	0.54800	1.0000	1000	0	0	0
54150000	54150000	54160000	305.12	305.12	50.936	0.54800	1.0000	1000	0	0	0
54160000	54160000	54170000	303.05	303.05	50.605	0.54800	1.0000	1000	0	0	0
54170000	54170000	54180000	301.00	301.00	50.276	0.54800	1.0000	1000	0	0	0
54180000	54180000	54190000	298.97	298.97	49.949	0.54800	1.0000	1000	0	0	0
54190000	54190000	54200000	296.96	296.96	49.626	0.54800	1.0000	1000	0	0	0
54200000	54200000	54210000	294.98	294.98	49.305	0.54800	1.0000	1000	0	0	0
54210000	54210000	54220000	293.01	293.01	48.987	0.54800	1.0000	1000	0	0	0
54220000	54220000	54230000	291.07	291.07	48.673	0.54800	1.0000	1000	0	0	0
54230000	54230000	54240000	289.16	289.16	48.363	0.54800	1.0000	1000	0	0	0
54240000	54240000	54250000	287.27	287.27	48.056	0.54800	1.0000	1000	0	0	0
54250000	54250000	54260000	285.40	285.40	47.754	0.54800	1.0000	1000	0	0	0
54260000	54260000	54270000	283.57	283.57	47.456	0.54800	1.0000	1000	0	0	0
54270000	54270000	54280000	281.77	281.77	47.163	0.54800	1.0000	1000	0	0	0
54280000	54280000	54290000	280.00	280.00	46.874	0.54800	1.0000	1000	0	0	0
54290000	54290000	54300000	278.26	278.26	46.590	0.54800	1.0000	1000	0	0	0
54300000	54300000	54310000	276.56	276.56	46.311	0.54800	1.0000	1000	0	0	0
54310000	54310000	54320000	274.89	274.89	46.037	0.54800	1.0000	1000	0	0	0
54320000	54320000	54330000	273.27	273.27	45.769	0.54800	1.0000	1000	0	0	0
54330000	54330000	54340000	271.68	271.68	45.506	0.54800	1.0000	1000	0	0	0
54340000	54340000	54350000	270.13	270.13	45.249	0.54800	1.0000	1000	0	0	0
54350000	54350000	54360000	268.62	268.62	44.997	0.54800	1.0000	1000	0	0	0
54360000	54360000	54370000	267.16	267.16	44.752	0.54800	1.0000	1000	0	0	0
54370000	54370000	54380000	265.74	265.74	44.514	0.54800	1.0000	1000	0	0	0
54380000	54380000	54390000	264.37	264.37	44.282	0.54800	1.0000	1000	0	0	0
54390000	54390000	54400000	263.06	263.06	44.057	0.54800	1.0000	1000	0	0	0
54400000	54400000	54410000	261.79	261.79	43.839	0.54800	1.0000	1000	0	0	0
54410000	54410000	54420000	260.58	260.58	43.629	0.54800	1.0000	1000	0	0	0
54420000	54420000	54430000	259.42	259.42	43.427	0.54800	1.0000	1000	0	0	0
54430000	54430000	54440000	258.32	258.32	43.233	0.54800	1.0000	1000	0	0	0
54440000	54440000	54450000	257.27	257.27	43.047	0.54800	1.0000	1000	0	0	0
54450000	54450000	54460000	256.29	256.29	42.869	0.54800	1.0000	1000	0	0	0
54460000	54460000	54470000	255.37	255.37	42.701	0.54800	1.0000	1000	0	0	0
54470000	54470000	54480000	254.51	254.51	42.541	0.54800	1.0000	1000	0	0	0
54480000	54480000	54490000	253.72	253.72	42.390	0.54800	1.0000	1000	0	0	0
54490000	54490000	54500000	252.99	252.99	42.249	0.54800	1.0000	1000	0	0	0
54500000	54500000	54510000	252.33	252.33	42.116	0.54800	1.0000	1000	0	0	0
54510000	54510000	54520000	251.73	251.73	41.993	0.54800	1.0000	1000	0	0	0
54520000	54520000	54530000	251.20	251.20	41.880	0.54800	1.0000	1000	0	0	0
54530000	54530000	54540000	250.73	250.73	41.776	0.54800	1.0000	1000	0	0	0
54540000	54540000	54550000	250.33	250.33	41.681	0.54800	1.0000	1000	0	0	0
54550000	54550000	54560000	250.00	250.00	41.595	0.54800	1.0000	1000	0	0	0
54560000	54560000	54570000	249.72	249.72	41.519	0.54800	1.0000	1000	0	0	0
54570000	54570000	54580000	249.51	249.51	41.451	0.54800	1.0000	1000	0	0	0
54580000	54580000	54590000	249.37	249.37	41.393	0.54800	1.0000	1000	0	0	0
54590000	54590000	54600000	249.28	249.28	41.342	0.54800	1.0000	1000	0	0	0
54600000	54600000	54610000	249.24	249.24	41.299	0.54800	1.0000	1000	0	0	0

54610000	54610000	54620000	249.26	249.26	41.264	0.54800	1.0000	1000	0	0	0
54620000	54620000	54630000	249.32	249.32	41.236	0.54800	1.0000	1000	0	0	0
54630000	54630000	54640000	249.43	249.43	41.214	0.54800	1.0000	1000	0	0	0
54640000	54640000	54650000	249.57	249.57	41.198	0.54800	1.0000	1000	0	0	0
54650000	54650000	54660000	249.75	249.75	41.186	0.54800	1.0000	1000	0	0	0
54660000	54660000	54670000	249.95	249.95	41.179	0.54800	1.0000	1000	0	0	0
54670000	54670000	54680000	250.18	250.18	41.175	0.54800	1.0000	1000	0	0	0
54680000	54680000	54690000	250.43	250.43	41.175	0.54800	1.0000	1000	0	0	0
54690000	54690000	54700000	250.69	250.69	41.178	0.54800	1.0000	1000	0	0	0
54700000	54700000	54710000	250.97	250.97	41.185	0.54800	1.0000	1000	0	0	0
54710000	54710000	54720000	251.27	251.27	41.194	0.54800	1.0000	1000	0	0	0
54720000	54720000	54730000	251.57	251.57	41.206	0.54800	1.0000	1000	0	0	0



54470000	54470000	54480000	254.51	254.51	42.541	0.54800	1.0000	1000	0	0	0
54480000	54480000	54490000	253.72	253.72	42.390	0.54800	1.0000	1000	0	0	0
54490000	54490000	54500000	252.99	252.99	42.249	0.54800	1.0000	1000	0	0	0
54500000	54500000	54510000	252.33	252.33	42.116	0.54800	1.0000	1000	0	0	0
54510000	54510000	54520000	251.73	251.73	41.993	0.54800	1.0000	1000	0	0	0
54520000	54520000	54530000	251.20	251.20	41.880	0.54800	1.0000	1000	0	0	0
54530000	54530000	54540000	250.73	250.73	41.776	0.54800	1.0000	1000	0	0	0
54540000	54540000	54550000	250.33	250.33	41.681	0.54800	1.0000	1000	0	0	0
54550000	54550000	54560000	250.00	250.00	41.595	0.54800	1.0000	1000	0	0	0
54560000	54560000	54570000	249.72	249.72	41.519	0.54800	1.0000	1000	0	0	0
54570000	54570000	54580000	249.51	249.51	41.451	0.54800	1.0000	1000	0	0	0
54580000	54580000	54590000	249.37	249.37	41.393	0.54800	1.0000	1000	0	0	0
54590000	54590000	54600000	249.28	249.28	41.342	0.54800	1.0000	1000	0	0	0
54600000	54600000	54610000	249.24	249.24	41.299	0.54800	1.0000	1000	0	0	0

54610000	54610000	54620000	249.26	249.26	41.264	0.54800	1.0000	1000	0	0	0
54620000	54620000	54630000	249.32	249.32	41.236	0.54800	1.0000	1000	0	0	0
54630000	54630000	54640000	249.43	249.43	41.214	0.54800	1.0000	1000	0	0	0
54640000	54640000	54650000	249.57	249.57	41.198	0.54800	1.0000	1000	0	0	0
54650000	54650000	54660000	249.75	249.75	41.186	0.54800	1.0000	1000	0	0	0
54660000	54660000	54670000	249.95	249.95	41.179	0.54800	1.0000	1000	0	0	0
54670000	54670000	54680000	250.18	250.18	41.175	0.54800	1.0000	1000	0	0	0
54680000	54680000	54690000	250.43	250.43	41.175	0.54800	1.0000	1000	0	0	0
54690000	54690000	54700000	250.69	250.69	41.178	0.54800	1.0000	1000	0	0	0
54700000	54700000	54710000	250.97	250.97	41.185	0.54800	1.0000	1000	0	0	0
54710000	54710000	54720000	251.27	251.27	41.194	0.54800	1.0000	1000	0	0	0
54720000	54720000	54730000	251.57	251.57	41.206	0.54800	1.0000	1000	0	0	0
54730000	54730000	54740000	251.88	251.88	41.219	0.54800	1.0000	1000	0	0	0
54740000	54740000	54750000	252.21	252.21	41.232	0.54800	1.0000	1000	0	0	0
54750000	54750000	54760000	252.52	252.52	41.246	0.54800	1.0000	1000	0	0	0
54760000	54760000	54770000	252.83	252.83	41.262	0.54800	1.0000	1000	0	0	0
54770000	54770000	54780000	253.14	253.14	41.280	0.54800	1.0000	1000	0	0	0
54780000	54780000	54790000	253.45	253.45	41.298	0.54800	1.0000	1000	0	0	0
54790000	54790000	54800000	253.75	253.75	41.317	0.54800	1.0000	1000	0	0	0
54800000	54800000	54810000	254.05	254.05	41.337	0.54800	1.0000	1000	0	0	0
54810000	54810000	54820000	254.34	254.34	41.359	0.54800	1.0000	1000	0	0	0
54820000	54820000	54830000	254.62	254.62	41.384	0.54800	1.0000	1000	0	0	0
54830000	54830000	54840000	254.90	254.90	41.410	0.54800	1.0000	1000	0	0	0
54840000	54840000	54850000	255.17	255.17	41.438	0.54800	1.0000	1000	0	0	0
54850000	54850000	54860000	255.44	255.44	41.467	0.54800	1.0000	1000	0	0	0
54860000	54860000	54870000	255.69	255.69	41.499	0.54800	1.0000	1000	0	0	0
54870000	54870000	54880000	255.94	255.94	41.532	0.54800	1.0000	1000	0	0	0
54880000	54880000	54890000	256.18	256.18	41.569	0.54800	1.0000	1000	0	0	0
54890000	54890000	54900000	256.42	256.42	41.609	0.54800	1.0000	1000	0	0	0
54900000	54900000	54910000	256.66	256.66	41.654	0.54800	1.0000	1000	0	0	0
54910000	54910000	54920000	256.92	256.92	41.704	0.54800	1.0000	1000	0	0	0
54920000	54920000	54930000	257.19	257.19	41.761	0.54800	1.0000	1000	0	0	0
54930000	54930000	54940000	257.49	257.49	41.827	0.54800	1.0000	1000	0	0	0
54940000	54940000	54950000	257.83	257.83	41.902	0.54800	1.0000	1000	0	0	0

-54-56 SNGLJUN COMPONENT

55000000	54950000	56010000	258.20	258.20	41.988	0.54800	1.0000	1000	0	0	0
-56	PIPE	COMPONENT									
56010000	56010000	56020000	259.76	259.76	42.160	0.54800	1.0000	1000	0	0	0
56020000	56020000	56030000	260.67	260.67	42.364	0.54800	1.0000	1000	0	0	0
56030000	56030000	56040000	261.68	261.68	42.600	0.54800	1.0000	1000	0	0	0
56040000	56040000	56050000	262.79	262.79	42.863	0.54800	1.0000	1000	0	0	0
56050000	56050000	56060000	263.95	263.95	43.149	0.54800	1.0000	1000	0	0	0
56060000	56060000	56070000	265.13	265.13	43.453	0.54800	1.0000	1000	0	0	0
56070000	56070000	56080000	266.26	266.26	43.771	0.54800	1.0000	1000	0	0	0
56080000	56080000	56090000	267.32	267.32	44.101	0.54800	1.0000	1000	0	0	0
56090000	56090000	56100000	268.28	268.28	44.447	0.54800	1.0000	1000	0	0	0
56100000	56100000	56110000	269.13	269.13	44.818	0.54800	1.0000	1000	0	0	0
56110000	56110000	56120000	269.88	269.88	45.231	0.54800	1.0000	1000	0	0	0
56120000	56120000	56130000	270.53	270.53	45.711	0.54800	1.0000	1000	0	0	0
56130000	56130000	56140000	271.10	271.10	46.298	0.54800	1.0000	1000	0	0	0
56140000	56140000	56150000	271.61	271.61	47.044	0.54800	1.0000	1000	0	0	0
56150000	56150000	56160000	272.07	272.07	48.017	0.54800	1.0000	1000	0	0	0
56160000	56160000	56170000	272.49	272.49	49.299	0.54800	1.0000	1000	0	0	0
56170000	56170000	56180000	272.89	272.89	50.986	0.54800	1.0000	1000	0	0	0
56180000	56180000	56190000	273.27	273.27	53.171	0.54800	1.0000	1000	0	0	0
56190000	56190000	56200000	273.64	273.64	55.942	0.54800	1.0000	1000	0	0	0
56200000	56200000	56210000	273.99	273.99	59.361	0.54800	1.0000	1000	0	0	0
56210000	56210000	56220000	274.32	274.32	63.449	0.54800	1.0000	1000	0	0	0
56220000	56220000	56230000	274.61	274.61	68.168	0.54800	1.0000	1000	0	0	0
56230000	56230000	56240000	274.85	274.85	73.431	0.54800	1.0000	1000	0	0	0

56240000	56240000	56250000	275.03	275.03	79.145	0.54800	1.0000	1000	0	0	0
56250000	56250000	56260000	275.12	275.12	85.217	0.54800	1.0000	1000	0	0	0
56260000	56260000	56270000	275.11	275.11	91.466	0.54800	1.0000	1000	0	0	0
56270000	56270000	56280000	274.83	274.83	97.483	0.54800	1.0000	1000	0	0	0
56280000	56280000	56290000	273.80	273.80	102.60	0.54800	1.0000	1000	0	0	0
56290000	56290000	56300000	271.86	271.86	106.37	0.54800	1.0000	1000	0	0	0
56300000	56300000	56310000	272.21	272.21	111.93	0.54800	1.0000	1000	0	0	0
56310000	56310000	56320000	254.78	271.89	113.81	0.54800	1.0000	1000	0	0	0
56320000	56320000	56330000	241.37	270.16	113.82	0.54800	1.0000	1000	0	0	0
56330000	56330000	56340000	230.98	269.69	113.60	0.54800	1.0000	1000	0	0	0
56340000	56340000	56350000	223.38	279.00	113.09	0.54800	1.0000	1000	0	0	0

-56-58 SNGLJUN COMPONENT



56100000	56100000	56110000	269.13	269.13	44.818	0.54800	1.0000	1000	0	0	0
56110000	56110000	56120000	269.88	269.88	45.231	0.54800	1.0000	1000	0	0	0
56120000	56120000	56130000	270.53	270.53	45.711	0.54800	1.0000	1000	0	0	0
56130000	56130000	56140000	271.10	271.10	46.298	0.54800	1.0000	1000	0	0	0
56140000	56140000	56150000	271.61	271.61	47.044	0.54800	1.0000	1000	0	0	0
56150000	56150000	56160000	272.07	272.07	48.017	0.54800	1.0000	1000	0	0	0
56160000	56160000	56170000	272.49	272.49	49.299	0.54800	1.0000	1000	0	0	0
56170000	56170000	56180000	272.89	272.89	50.986	0.54800	1.0000	1000	0	0	0
56180000	56180000	56190000	273.27	273.27	53.171	0.54800	1.0000	1000	0	0	0
56190000	56190000	56200000	273.64	273.64	55.942	0.54800	1.0000	1000	0	0	0
56200000	56200000	56210000	273.99	273.99	59.361	0.54800	1.0000	1000	0	0	0
56210000	56210000	56220000	274.32	274.32	63.449	0.54800	1.0000	1000	0	0	0
56220000	56220000	56230000	274.61	274.61	68.168	0.54800	1.0000	1000	0	0	0
56230000	56230000	56240000	274.85	274.85	73.431	0.54800	1.0000	1000	0	0	0

56240000	56240000	56250000	275.03	275.03	79.145	0.54800	1.0000	1000	0	0	0
56250000	56250000	56260000	275.12	275.12	85.217	0.54800	1.0000	1000	0	0	0
56260000	56260000	56270000	275.11	275.11	91.466	0.54800	1.0000	1000	0	0	0
56270000	56270000	56280000	274.83	274.83	97.483	0.54800	1.0000	1000	0	0	0
56280000	56280000	56290000	273.80	273.80	102.60	0.54800	1.0000	1000	0	0	0
56290000	56290000	56300000	271.86	271.86	106.37	0.54800	1.0000	1000	0	0	0
56300000	56300000	56310000	272.21	272.21	111.93	0.54800	1.0000	1000	0	0	0
56310000	56310000	56320000	254.78	271.89	113.81	0.54800	1.0000	1000	0	0	0
56320000	56320000	56330000	241.37	270.16	113.82	0.54800	1.0000	1000	0	0	0
56330000	56330000	56340000	230.98	269.69	113.60	0.54800	1.0000	1000	0	0	0
56340000	56340000	56350000	223.38	270.00	113.09	0.54800	1.0000	1000	0	0	0
-56-58	SNGLJUN	COMPONENT									
57000000	56350000	58010000	213.41	270.41	112.52	0.54800	1.0000	1000	0	0	0
-58	PIPE	COMPONENT									
58010000	58010000	58020000	211.64	271.10	112.65	0.54800	1.0000	1000	0	0	0
58020000	58020000	58030000	210.88	271.62	114.44	0.54800	1.0000	1000	0	0	0
58030000	58030000	58040000	210.81	272.40	118.71	0.54800	1.0000	1000	0	0	0
58040000	58040000	58050000	211.31	273.60	125.77	0.54800	1.0000	1000	0	0	0
58050000	58050000	58060000	212.23	275.34	135.30	0.54800	1.0000	1000	0	0	0
58060000	58060000	58070000	215.12	277.71	146.45	0.54800	1.0000	1000	0	0	0
-58-60	SNGLJUN	COMPONENT									
59000000	58070000	60010000	207.77	281.51	159.41	0.54800	1.0000	1000	0	0	0
-60	PIPE	COMPONENT									
60010000	60010000	60020000	217.37	289.32	173.54	0.54800	1.0000	1000	0	0	0
60020000	60020000	60030000	225.42	297.91	186.67	0.54800	1.0000	1000	0	0	0
-60-62	SNGLJUN	COMPONENT									
61000000	60030000	62010000	233.54	308.20	198.80	0.54800	1.0000	1000	0	0	0
-62	PIPE	COMPONENT									
62010000	62010000	62020000	243.08	320.00	209.12	0.54800	1.0000	1000	0	0	0
-62-64	SNGLJUN	COMPONENT									
63000000	62020000	64010000	249.98	334.35	219.45	0.54800	1.0000	1000	0	0	0
-64-66	SNGLJUN	COMPONENT									
65000000	64010000	66010000	277.48	361.90	237.22	0.54800	1.0000	1000	0	0	0
-66-68	SNGLJUN	COMPONENT									
67000000	66010000	68010000	292.66	399.48	256.87	0.54800	1.0000	1000	0	0	0
-69	BRANCH	COMPONENT									
69010000	68010000	69010000	445.26	446.65	271.56	0.54800	1.0000	1000	0	0	0
69020000	69010000	73010000	504.05	503.97	126.09	0.27300	1.0000	0	1	100	172
69030000	69010000	70010000	372.96	372.87	187.27	0.54800	1.0000	1000	0	0	0
-70	BRANCH	COMPONENT									
70010000	70010000	73010000	299.72	299.47	188.49	0.27300	1.0000	0	1	100	243
70020000	70010000	71010000	140.91	140.36	177.84	0.54800	1.0000	1000	0	0	0
-71-73	SNGLJUN	COMPONENT									
72000000	71010000	73010000	115.37	145.76	763.12	0.28500	1.0000	0	1	200	204
-73-75	SNGLJUN	COMPONENT									
74000000	73010000	75010000	5.0685	5.0394	29705.	106.60	1.0000	1000	0	0	0
-76	PIPE	COMPONENT									
76010000	76010000	76020000	786.85	786.85	112.72	0.20100	1.0000	1000	0	0	0
76020000	76020000	76030000	1000.4	1000.4	112.53	0.20100	1.0000	1000	0	0	0
76030000	76030000	76040000	1138.3	1138.3	112.66	0.20100	1.0000	1000	0	0	0
-76-044	SNGLJUN	COMPONENT									
77000000	76040000	44010000	1255.5	1255.5	112.62	0.20100	1.0000	100	1	200	1451
-78-76	VALVE	COMPONENT									
78000000	178010000	76010000	1035.0	1035.9	113.59	1.70000E-02	1.0000	100	1	200	2004
-81-79	SNGLJUN	COMPONENT									
80000000	81010000	79010000	84.084	84.084	112.73	0.14700	1.0000	1000	0	0	0
-83-81	SNGLJUN	COMPONENT									
82000000	83020000	81010000	83.920	83.920	112.79	0.14700	1.0000	1000	0	0	0
-83	PIPE	COMPONENT									
83010000	83010000	83020000	-1.43204E-02	-1.43204E-02	-1.92469E-02	0.14700	1.0000	1000	0	0	0

-85-83	SNGLJUN	COMPONENT									
84000000	83020000	85010000	-83.915	-83.915	-112.88	0.14700	1.0000	1000	0	0	0
-85	PIPE	COMPONENT									
85010000	85010000	85020000	1.87124E-02	1.87124E-02	2.51707E-02	0.14700	1.0000	1000	0	0	0
-87-85	SNGLJUN	COMPONENT									
86000000	87010000	85010000	84.122	84.122	112.98	0.14700	1.0000	1000	0	0	0
-89-87	SNGLJUN	COMPONENT									
88000000	89010000	87010000	84.091	84.091	113.04	0.14700	1.0000	1000	0	0	0
-91-89	SNGLJUN	COMPONENT									
90000000	91030000	89010000	84.104	84.104	113.12	0.14700	1.0000	1000	0	0	0
-91	PIPE	COMPONENT									
91010000	91010000	91020000	84.141	84.141	113.35	0.14700	1.0000	1000	0	0	0



76010000	76010000	76020000	786.85	786.85	112.72	0.20100	1.0000	1000	0	0	0
76020000	76020000	76030000	1000.4	1000.4	112.53	0.20100	1.0000	1000	0	0	0
76030000	76030000	76040000	1138.3	1138.3	112.66	0.20100	1.0000	1000	0	0	0
:-76-044 SNGLJUN COMPONENT											
77000000	76040000	44010000	1255.5	1255.5	112.62	0.20100	1.0000	100	1	200	1451
:178-76 VALVE COMPONENT											
78000000	178010000	76010000	1035.0	1035.9	113.59	1.70000E-02	1.0000	100	1	200	2004
:-81-79 SNGLJUN COMPONENT											
80000000	81010000	79010000	84.084	84.084	112.73	0.14700	1.0000	1000	0	0	0
:-83-81 SNGLJUN COMPONENT											
82000000	83020000	81010000	83.920	83.920	112.79	0.14700	1.0000	1000	0	0	0
:-83 PIPE COMPONENT											
83010000	83010000	83020000	-1.43204E-02	-1.43204E-02	-1.92469E-02	0.14700	1.0000	1000	0	0	0

:-85-83 SNGLJUN COMPONENT											
84000000	83020000	85010000	-83.915	-83.915	-112.88	0.14700	1.0000	1000	0	0	0
:-85 PIPE COMPONENT											
85010000	85010000	85020000	1.87124E-02	1.87124E-02	2.51707E-02	0.14700	1.0000	1000	0	0	0
:-87-85 SNGLJUN COMPONENT											
86000000	87010000	85010000	84.122	84.122	112.98	0.14700	1.0000	1000	0	0	0
:-89-87 SNGLJUN COMPONENT											
88000000	89010000	87010000	84.091	84.091	113.04	0.14700	1.0000	1000	0	0	0
:-91-89 SNGLJUN COMPONENT											
90000000	91030000	89010000	84.104	84.104	113.12	0.14700	1.0000	1000	0	0	0
:-91 PIPE COMPONENT											
91010000	91010000	91020000	84.141	84.141	113.35	0.14700	1.0000	1000	0	0	0
91020000	91020000	91030000	84.123	84.123	113.24	0.14700	1.0000	1000	0	0	0
:-01-91 SNGLJUN COMPONENT											
92000000	1010000	91010000	83.856	83.856	113.46	0.14700	1.0000	0	0	0	0
RD VALVE COMPONENT											
94000000	95010000	93010000	948.95	948.95	91.162	0.20100	0.81094	100	1	200	1865
PR-2A VALVE COMPONENT											
98000000	198010000	36010000	974.12	1031.6	111.57	1.70000E-02	1.0000	100	1	200	2004
:-100 SNGLJUN COMPONENT											
100000000	101010000	99010000	84.155	84.155	112.61	0.14700	1.0000	1000	0	0	0
:-103 SNGLJUN COMPONENT											
102000000	103020000	101010000	84.132	84.132	112.67	0.14700	1.0000	1000	0	0	0
:-103 PIPE COMPONENT											
103010000	103010000	103020000	84.144	84.144	112.74	0.14700	1.0000	1000	0	0	0
:-105 SNGLJUN COMPONENT											
105000000	105020000	103010000	84.122	84.122	112.81	0.14700	1.0000	1000	0	0	0
:-105 PIPE COMPONENT											
105010000	105010000	105020000	84.142	84.142	112.92	0.14700	1.0000	1000	0	0	0
:-105 SNGLJUN COMPONENT											
106000000	107010000	105010000	84.163	84.163	113.03	0.14700	1.0000	1000	0	0	0
:-107 SNGLJUN COMPONENT											
108000000	109010000	107010000	84.132	84.132	113.09	0.14700	1.0000	1000	0	0	0
:-109 SNGLJUN COMPONENT											
110000000	111030000	109010000	84.145	84.145	113.18	0.14700	1.0000	1000	0	0	0
:-111 PIPE COMPONENT											
111010000	111010000	111020000	84.183	84.183	113.40	0.14700	1.0000	1000	0	0	0
111020000	111020000	111030000	84.165	84.165	113.29	0.14700	1.0000	1000	0	0	0
:-111 SNGLJUN COMPONENT											
112000000	113010000	111010000	83.897	83.897	113.52	0.14700	1.0000	0	0	0	0
:-114 PIPE COMPONENT											
114010000	114010000	114020000	245.82	245.82	60.879	0.54800	1.0000	1000	0	0	0
114020000	114020000	114030000	245.87	245.87	60.871	0.54800	1.0000	1000	0	0	0
:-119 SNGLJUN COMPONENT											
119000000	36030000	136010000	1017.6	1017.6	112.49	0.20100	1.0000	1000	0	0	0
:-120 SNGLJUN COMPONENT											
120000000	136010000	97010000	1143.9	1143.9	112.50	0.20100	1.0000	100	0	0	683
:-121 SNGLJUN COMPONENT											
121000000	97010000	96010000	236.97	236.97	21.329	0.20100	1.0000	100	0	0	3
:-122 SNGLJUN COMPONENT											
122000000	97010000	95010000	1012.9	1012.9	91.164	0.20100	0.92039	100	0	0	9
:-123 SNGLJUN COMPONENT											
123000000	114030000	48010000	245.89	245.89	60.863	0.54800	0.25000	100	1	200	1810
RD VALVE COMPONENT											
194000000	195020000	193010000	1020.5	1020.5	72.910	0.18800	0.86702	100	1	200	1603
:-195 PIPE COMPONENT											
195010000	195010000	195020000	992.28	992.28	72.917	0.18800	1.0000	0	0	0	209
:-44-195 SNGLJUN COMPONENT											
196000000	44010000	195010000	1031.0	1031.0	72.905	0.20100	1.0000	100	0	0	0
/-INLET SNGLJUN COMPONENT											

378000000	79010000	178010000	727.01	727.01	112.65	1.70000E-02	1.0000	100	0	0	0
/-INLET SNGLJUN COMPONENT											
398000000	99010000	198010000	727.49	727.49	112.52	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	53.408	0.60488	HRT	TCT	1.590E+17	0.997	0.941	0.941	0.000	0.00	0.00
36020000	54.196	0.47716	HRT	TCT	1.650E+17	0.997	0.470	0.470	0.000	0.00	0.00
37000000	54.138	0.46955	HRT	MST	1.640E+17	0.997	0.563	0.563	0.000	0.00	0.00
38010000	54.100	0.47461	HRT	TS	1.640E+17	0.997	1.00	1.00	0.000	0.00	0.00
38020000	54.101	0.47462	HRT	TS	1.640E+17	0.997	1.00	1.00	0.000	0.00	0.00
38030000	54.101	0.47459	HRT	IST	1.641E+17	0.997	1.00	1.00	0.000	0.00	0.00
38040000	54.101	0.47458	HRT	IST	1.641E+17	0.997	1.00	1.00	0.000	0.00	0.00



120000000	136010000	97010000	1143.9	1143.9	112.50	0.20100	1.0000	100	0	0	683
2-121	SNGLJUN	COMPONENT									
121000000	97010000	96010000	236.97	236.97	21.329	0.20100	1.0000	100	0	0	3
2-122	SNGLJUN	COMPONENT									
122000000	97010000	95010000	1012.9	1012.9	91.164	0.20100	0.92039	100	0	0	9
2-123	SNGLJUN	COMPONENT									
123000000	114030000	48010000	245.89	245.89	60.863	0.54800	0.25000	100	1	200	1810
RD	VALVE	COMPONENT									
194000000	195020000	193010000	1020.5	1020.5	72.910	0.18800	0.86702	100	1	200	1603
2-195	PIPE	COMPONENT									
195010000	195010000	195020000	992.28	992.28	72.917	0.18800	1.0000	0	0	0	209
2-44-195	SNGLJUN	COMPONENT									
196000000	44010000	195010000	1031.0	1031.0	72.905	0.20100	1.0000	100	0	0	0
7-INLET	SNGLJUN	COMPONENT									

278000000	79010000	178010000	727.01	727.01	112.65	1.70000E-02	1.0000	100	0	0	0
7-INLET	SNGLJUN	COMPONENT									
298000000	99010000	198010000	727.49	727.49	112.52	1.70000E-02	1.0000	100	0	0	0

JUN.NO.	RHOJFJ (LB/FT3)	RHOGJ (LB/FT3)	MAP	REG	FIJ (LB.S/FT4)	VOIDGJ	VOIDD	VOIDT	CCAJ	FORMFJ	FORMGJ
36010000	53.408	0.60488	HRT	TCT	1.590E+17	0.997	0.941	0.941	0.000	0.00	0.00
36020000	54.196	0.47716	HRT	TCT	1.650E+17	0.997	0.470	0.470	0.000	0.00	0.00
37000000	54.138	0.46955	HRT	MST	1.640E+17	0.997	0.563	0.563	0.000	0.00	0.00
38010000	54.100	0.47461	HRT	TST	1.640E+17	0.997	1.00	1.00	0.000	0.00	0.00
38020000	54.101	0.47460	HRT	TST	1.640E+17	0.997	1.00	1.00	0.000	0.00	0.00
38030000	54.101	0.47459	HRT	TST	1.641E+17	0.997	1.00	1.00	0.000	0.00	0.00
38040000	54.101	0.47459	HRT	TST	1.641E+17	0.997	1.00	1.00	0.000	0.00	0.00
38050000	54.101	0.47458	HRT	TST	1.642E+17	0.997	1.00	1.00	0.000	0.00	0.00
38060000	54.101	0.47457	HRT	TST	1.642E+17	0.997	1.00	1.00	0.000	0.00	0.00
39000000	54.097	0.47509	HRT	MST	1.639E+17	0.997	1.00	1.00	0.000	0.00	0.00
41000000	54.101	0.47456	HRT	TST	1.584E+17	0.997	1.00	1.00	1.882E-10	0.00	0.00
43000000	54.101	0.47456	HRT	MST	1.629E+17	0.997	0.990	0.993	1.295E-09	1.95E-02	0.31
45000000	55.927	0.27008	HRT	MST	1.803E+17	0.998	0.998	0.998	2.192E-10	0.40	0.40
46010000	55.095	0.35192	HRT	MST	1.772E+17	0.998	0.631	0.631	2.499E-10	0.00	0.00
46020000	55.062	0.35568	HRT	MST	1.771E+17	0.998	1.00	1.00	3.288E-10	0.00	0.00
47000000	55.061	0.35574	HRT	MST	1.772E+17	0.998	1.00	1.00	4.322E-10	0.00	0.00
48010000	56.045	0.25472	HRT	MST	1.921E+17	0.998	1.00	1.00	9.709E-10	0.00	0.00
48020000	56.096	0.25010	HRT	MST	1.923E+17	0.998	1.00	1.00	1.111E-09	0.00	0.00
48030000	56.098	0.24982	HRT	MST	1.923E+17	0.998	1.00	1.00	1.269E-09	0.00	0.00
48040000	56.098	0.24991	HRT	MST	1.923E+17	0.998	1.00	1.00	1.449E-09	0.00	0.00
48050000	56.096	0.25002	HRT	MST	1.924E+17	0.998	1.00	1.00	1.653E-09	0.00	0.00
48060000	56.095	0.25013	HRT	MST	1.924E+17	0.998	1.00	1.00	1.887E-09	0.00	0.00
48070000	56.094	0.25025	HRT	MST	1.924E+17	0.998	1.00	1.00	2.153E-09	0.00	0.00
48080000	56.093	0.25036	HRT	MST	1.924E+17	0.998	1.00	1.00	2.456E-09	0.00	0.00
49000000	56.091	0.25047	HRT	MST	1.925E+17	0.998	1.00	1.00	2.800E-09	0.00	0.00
50010000	56.106	0.24916	VRT	MST	1.926E+17	0.998	1.00	1.00	3.204E-09	0.00	0.00
50020000	56.106	0.24917	VRT	MST	1.926E+17	0.998	1.00	1.00	3.665E-09	0.00	0.00
50030000	56.104	0.24929	VRT	MST	1.926E+17	0.998	1.00	1.00	4.193E-09	0.00	0.00
50040000	56.103	0.24941	VRT	MST	1.927E+17	0.998	1.00	1.00	4.795E-09	0.00	0.00
51000000	56.102	0.24953	VRT	MST	1.927E+17	0.998	1.00	1.00	5.483E-09	0.00	0.00
53000000	56.100	0.24964	HRT	MST	1.929E+17	0.998	1.00	1.00	6.225E-09	0.00	0.00
54010000	56.146	0.24547	VRT	MST	1.932E+17	0.999	1.00	1.00	7.153E-09	0.00	0.00
54020000	56.148	0.24532	VRT	MST	1.932E+17	0.999	1.00	1.00	8.224E-09	0.00	0.00
54030000	56.147	0.24543	VRT	MST	1.932E+17	0.999	1.00	1.00	9.452E-09	0.00	0.00
54040000	56.145	0.24557	VRT	MST	1.933E+17	0.999	1.00	1.00	1.086E-08	0.00	0.00
54050000	56.144	0.24570	VRT	MST	1.933E+17	0.999	1.00	1.00	1.248E-08	0.00	0.00
54060000	56.142	0.24584	VRT	MST	1.933E+17	0.999	1.00	1.00	1.434E-08	0.00	0.00
54070000	56.141	0.24597	VRT	MST	1.933E+17	0.999	1.00	1.00	1.647E-08	0.00	0.00
54080000	56.139	0.24611	VRT	MST	1.933E+17	0.999	1.00	1.00	1.891E-08	0.00	0.00
54090000	56.138	0.24624	VRT	MST	1.933E+17	0.999	1.00	1.00	2.172E-08	0.00	0.00
54100000	56.136	0.24638	VRT	MST	1.933E+17	0.999	1.00	1.00	2.493E-08	0.00	0.00
54110000	56.135	0.24652	VRT	MST	1.933E+17	0.999	1.00	1.00	2.861E-08	0.00	0.00
54120000	56.133	0.24665	VRT	MST	1.934E+17	0.999	1.00	1.00	3.283E-08	0.00	0.00
54130000	56.132	0.24679	VRT	MST	1.934E+17	0.999	1.00	1.00	3.767E-08	0.00	0.00
54140000	56.130	0.24692	VRT	MST	1.934E+17	0.999	1.00	1.00	4.321E-08	0.00	0.00
54150000	56.129	0.24705	VRT	MST	1.934E+17	0.999	1.00	1.00	4.955E-08	0.00	0.00
54160000	56.127	0.24719	VRT	MST	1.934E+17	0.999	1.00	1.00	5.681E-08	0.00	0.00
54170000	56.126	0.24732	VRT	MST	1.934E+17	0.999	1.00	1.00	6.512E-08	0.00	0.00
54180000	56.125	0.24745	VRT	MST	1.935E+17	0.999	1.00	1.00	7.463E-08	0.00	0.00
54190000	56.123	0.24758	VRT	MST	1.935E+17	0.999	1.00	1.00	8.550E-08	0.00	0.00
54200000	56.122	0.24771	VRT	MST	1.935E+17	0.999	1.00	1.00	9.795E-08	0.00	0.00
54210000	56.120	0.24783	VRT	MST	1.935E+17	0.999	1.00	1.00	1.122E-07	0.00	0.00
54220000	56.119	0.24795	VRT	MST	1.935E+17	0.999	1.00	1.00	1.285E-07	0.00	0.00
54230000	56.118	0.24807	VRT	MST	1.936E+17	0.999	1.00	1.00	1.471E-07	0.00	0.00

54240000	56.116	0.24819	VRT	MST	1.936E+17	0.999	1.00	1.00	1.683E-07	0.00	0.00
54250000	56.115	0.24831	VRT	MST	1.936E+17	0.999	1.00	1.00	1.926E-07	0.00	0.00
54260000	56.114	0.24842	VRT	MST	1.936E+17	0.999	1.00	1.00	2.204E-07	0.00	0.00
54270000	56.113	0.24853	VRT	MST	1.937E+17	0.999	1.00	1.00	2.521E-07	0.00	0.00
54280000	56.112	0.24863	VRT	MST	1.937E+17	0.999	1.00	1.00	2.884E-07	0.00	0.00
54290000	56.110	0.24873	VRT	MST	1.937E+17	0.999	1.00	1.00	3.297E-07	0.00	0.00
54300000	56.109	0.24882	VRT	MST	1.937E+17	0.999	1.00	1.00	3.769E-07	0.00	0.00
54310000	56.108	0.24891	VRT	MST	1.937E+17	0.999	1.00	1.00	4.308E-07	0.00	0.00
54320000	56.107	0.24900	VRT	MST	1.938E+17	0.999	1.00	1.00	4.923E-07	0.00	0.00
54330000	56.107	0.24908	VRT	MST	1.938E+17	0.999	1.00	1.00	5.624E-07	0.00	0.00
54340000	56.106	0.24915	VRT	MST	1.938E+17	0.999	1.00	1.00	6.423E-07	0.00	0.00
54350000	56.105	0.24922	VRT	MST	1.938E+17	0.999	1.00	1.00	7.334E-07	0.00	0.00



54110000	56.135	0.24652	VRT	MST	1.933E+17	0.999	1.00	1.00	2.493E-08	0.00	0.00
54120000	56.133	0.24665	VRT	MST	1.934E+17	0.999	1.00	1.00	2.861E-08	0.00	0.00
54130000	56.132	0.24679	VRT	MST	1.934E+17	0.999	1.00	1.00	3.283E-08	0.00	0.00
54140000	56.130	0.24692	VRT	MST	1.934E+17	0.999	1.00	1.00	3.767E-08	0.00	0.00
54150000	56.129	0.24705	VRT	MST	1.934E+17	0.999	1.00	1.00	4.321E-08	0.00	0.00
54160000	56.127	0.24719	VRT	MST	1.934E+17	0.999	1.00	1.00	4.955E-08	0.00	0.00
54170000	56.126	0.24732	VRT	MST	1.934E+17	0.999	1.00	1.00	5.681E-08	0.00	0.00
54180000	56.125	0.24745	VRT	MST	1.935E+17	0.999	1.00	1.00	6.512E-08	0.00	0.00
54190000	56.123	0.24758	VRT	MST	1.935E+17	0.999	1.00	1.00	7.463E-08	0.00	0.00
54200000	56.122	0.24771	VRT	MST	1.935E+17	0.999	1.00	1.00	8.550E-08	0.00	0.00
54210000	56.120	0.24783	VRT	MST	1.935E+17	0.999	1.00	1.00	9.795E-08	0.00	0.00
54220000	56.119	0.24795	VRT	MST	1.935E+17	0.999	1.00	1.00	1.122E-07	0.00	0.00
54230000	56.118	0.24807	VRT	MST	1.936E+17	0.999	1.00	1.00	1.285E-07	0.00	0.00

54240000	56.116	0.24819	VRT	MST	1.936E+17	0.999	1.00	1.00	1.683E-07	0.00	0.00
54250000	56.115	0.24831	VRT	MST	1.936E+17	0.999	1.00	1.00	1.926E-07	0.00	0.00
54260000	56.114	0.24842	VRT	MST	1.936E+17	0.999	1.00	1.00	2.204E-07	0.00	0.00
54270000	56.113	0.24853	VRT	MST	1.937E+17	0.999	1.00	1.00	2.521E-07	0.00	0.00
54280000	56.112	0.24863	VRT	MST	1.937E+17	0.999	1.00	1.00	2.884E-07	0.00	0.00
54290000	56.110	0.24873	VRT	MST	1.937E+17	0.999	1.00	1.00	3.297E-07	0.00	0.00
54300000	56.109	0.24882	VRT	MST	1.937E+17	0.999	1.00	1.00	3.769E-07	0.00	0.00
54310000	56.108	0.24891	VRT	MST	1.937E+17	0.999	1.00	1.00	4.308E-07	0.00	0.00
54320000	56.107	0.24900	VRT	MST	1.938E+17	0.999	1.00	1.00	4.923E-07	0.00	0.00
54330000	56.107	0.24908	VRT	MST	1.938E+17	0.999	1.00	1.00	5.624E-07	0.00	0.00
54340000	56.106	0.24915	VRT	MST	1.938E+17	0.999	1.00	1.00	6.423E-07	0.00	0.00
54350000	56.105	0.24922	VRT	MST	1.938E+17	0.999	1.00	1.00	7.334E-07	0.00	0.00
54360000	56.104	0.24928	VRT	MST	1.938E+17	0.999	1.00	1.00	8.373E-07	0.00	0.00
54370000	56.104	0.24933	VRT	MST	1.939E+17	0.999	1.00	1.00	9.555E-07	0.00	0.00
54380000	56.103	0.24938	VRT	MST	1.939E+17	0.999	1.00	1.00	1.090E-06	0.00	0.00
54390000	56.103	0.24942	VRT	MST	1.939E+17	0.999	1.00	1.00	1.244E-06	0.00	0.00
54400000	56.103	0.24945	VRT	MST	1.939E+17	0.999	1.00	1.00	1.418E-06	0.00	0.00
54410000	56.102	0.24947	VRT	MST	1.940E+17	0.999	1.00	1.00	1.617E-06	0.00	0.00
54420000	56.102	0.24948	VRT	MST	1.940E+17	0.999	1.00	1.00	1.842E-06	0.00	0.00
54430000	56.102	0.24948	VRT	MST	1.940E+17	0.999	1.00	1.00	2.099E-06	0.00	0.00
54440000	56.102	0.24948	VRT	MST	1.940E+17	0.999	1.00	1.00	2.391E-06	0.00	0.00
54450000	56.102	0.24946	VRT	MST	1.940E+17	0.999	1.00	1.00	2.723E-06	0.00	0.00
54460000	56.103	0.24944	VRT	MST	1.940E+17	0.999	1.00	1.00	3.100E-06	0.00	0.00
54470000	56.103	0.24940	VRT	MST	1.940E+17	0.999	1.00	1.00	3.527E-06	0.00	0.00
54480000	56.104	0.24935	VRT	MST	1.940E+17	0.999	1.00	1.00	4.013E-06	0.00	0.00
54490000	56.104	0.24930	VRT	MST	1.940E+17	0.999	1.00	1.00	4.564E-06	0.00	0.00
54500000	56.105	0.24923	VRT	MST	1.940E+17	0.999	1.00	1.00	5.189E-06	0.00	0.00
54510000	56.106	0.24915	VRT	MST	1.940E+17	0.999	1.00	1.00	5.898E-06	0.00	0.00
54520000	56.107	0.24906	VRT	MST	1.940E+17	0.999	1.00	1.00	6.702E-06	0.00	0.00
54530000	56.108	0.24896	VRT	MST	1.940E+17	0.999	1.00	1.00	7.613E-06	0.00	0.00
54540000	56.109	0.24885	VRT	MST	1.940E+17	0.999	1.00	1.00	8.644E-06	0.00	0.00
54550000	56.111	0.24872	VRT	MST	1.940E+17	0.999	1.00	1.00	9.813E-06	0.00	0.00
54560000	56.112	0.24859	VRT	MST	1.940E+17	0.999	1.00	1.00	1.114E-05	0.00	0.00
54570000	56.114	0.24844	VRT	MST	1.940E+17	0.999	1.00	1.00	1.263E-05	0.00	0.00
54580000	56.115	0.24829	VRT	MST	1.940E+17	0.999	1.00	1.00	1.433E-05	0.00	0.00
54590000	56.117	0.24812	VRT	MST	1.940E+17	0.999	1.00	1.00	1.624E-05	0.00	0.00
54600000	56.119	0.24795	VRT	MST	1.940E+17	0.999	1.00	1.00	1.841E-05	0.00	0.00
54610000	56.121	0.24777	VRT	MST	1.940E+17	0.999	1.00	1.00	2.085E-05	0.00	0.00
54620000	56.123	0.24758	VRT	MST	1.940E+17	0.999	1.00	1.00	2.362E-05	0.00	0.00
54630000	56.125	0.24738	VRT	MST	1.940E+17	0.999	1.00	1.00	2.673E-05	0.00	0.00
54640000	56.128	0.24717	VRT	MST	1.940E+17	0.999	1.00	1.00	3.025E-05	0.00	0.00
54650000	56.130	0.24696	VRT	MST	1.940E+17	0.999	1.00	1.00	3.421E-05	0.00	0.00
54660000	56.132	0.24675	VRT	MST	1.940E+17	0.999	1.00	1.00	3.868E-05	0.00	0.00
54670000	56.135	0.24653	VRT	MST	1.940E+17	0.999	1.00	1.00	4.371E-05	0.00	0.00
54680000	56.137	0.24631	VRT	MST	1.940E+17	0.999	1.00	1.00	4.936E-05	0.00	0.00
54690000	56.140	0.24609	VRT	MST	1.940E+17	0.999	1.00	1.00	5.572E-05	0.00	0.00
54700000	56.142	0.24587	VRT	MST	1.940E+17	0.999	1.00	1.00	6.285E-05	0.00	0.00
54710000	56.145	0.24564	VRT	MST	1.940E+17	0.999	1.00	1.00	7.086E-05	0.00	0.00
54720000	56.147	0.24542	VRT	MST	1.940E+17	0.999	1.00	1.00	7.983E-05	0.00	0.00
54730000	56.150	0.24519	VRT	MST	1.940E+17	0.999	1.00	1.00	8.987E-05	0.00	0.00
54740000	56.152	0.24497	VRT	MST	1.940E+17	0.999	1.00	1.00	1.011E-04	0.00	0.00
54750000	56.155	0.24475	VRT	MST	1.940E+17	0.999	1.00	1.00	1.136E-04	0.00	0.00
54760000	56.157	0.24453	VRT	MST	1.940E+17	0.999	1.00	1.00	1.276E-04	0.00	0.00
54770000	56.160	0.24432	VRT	MST	1.940E+17	0.999	1.00	1.00	1.432E-04	0.00	0.00
54780000	56.162	0.24410	VRT	MST	1.940E+17	0.999	1.00	1.00	1.606E-04	0.00	0.00
54790000	56.165	0.24388	VRT	MST	1.940E+17	0.999	1.00	1.00	1.799E-04	0.00	0.00
54800000	56.167	0.24367	VRT	MST	1.940E+17	0.999	1.00	1.00	2.014E-04	0.00	0.00
54810000	56.169	0.24346	VRT	MST	1.940E+17	0.999	1.00	1.00	2.252E-04	0.00	0.00
54820000	56.172	0.24325	VRT	MST	1.940E+17	0.999	1.00	1.00	2.516E-04	0.00	0.00
54830000	56.174	0.24304	VRT	MST	1.940E+17	0.999	1.00	1.00	2.808E-04	0.00	0.00

54840000	56.176	0.24284	VRT	MST	1.940E+17	0.999	1.00	1.00	3.130E-04	0.00	0.00
54850000	56.179	0.24264	VRT	MST	1.940E+17	0.999	1.00	1.00	3.486E-04	0.00	0.00
54860000	56.181	0.24244	VRT	MST	1.940E+17	0.999	1.00	1.00	3.878E-04	0.00	0.00
54870000	56.183	0.24225	VRT	MST	1.940E+17	0.999	1.00	1.00	4.310E-04	0.00	0.00
54880000	56.186	0.24205	VRT	MST	1.940E+17	0.999	1.00	1.00	4.785E-04	0.00	0.00
54890000	56.188	0.24186	VRT	MST	1.940E+17	0.999	1.00	1.00	5.306E-04	0.00	0.00
54900000	56.190	0.24167	VRT	MST	1.940E+17	0.999	1.00	1.00	5.877E-04	0.00	0.00
54910000	56.193	0.24149	VRT	MST	1.940E+17	0.999	1.00	1.00	6.502E-04	0.00	0.00
54920000	56.195	0.24130	VRT	MST	1.940E+17	0.999	1.00	1.00	7.185E-04	0.00	0.00
54930000	56.197	0.24111	VRT	MST	1.940E+17	0.999	1.00	1.00	7.932E-04	0.00	0.00
54940000	56.200	0.24091	VRT	MST	1.940E+17	0.999	1.00	1.00	8.746E-04	0.00	0.00
55000000	56.202	0.24071	VRT	MST	1.939E+17	0.999	1.00	1.00	9.633E-04	0.00	0.00



54700000	56.142	0.24587	VRT	MST	1.940E+17	0.999	1.00	1.00	6.285E-05	0.00	0.00
54710000	56.145	0.24564	VRT	MST	1.940E+17	0.999	1.00	1.00	7.086E-05	0.00	0.00
54720000	56.147	0.24542	VRT	MST	1.940E+17	0.999	1.00	1.00	7.983E-05	0.00	0.00
54730000	56.150	0.24519	VRT	MST	1.940E+17	0.999	1.00	1.00	8.987E-05	0.00	0.00
54740000	56.152	0.24497	VRT	MST	1.940E+17	0.999	1.00	1.00	1.011E-04	0.00	0.00
54750000	56.155	0.24475	VRT	MST	1.940E+17	0.999	1.00	1.00	1.136E-04	0.00	0.00
54760000	56.157	0.24453	VRT	MST	1.940E+17	0.999	1.00	1.00	1.276E-04	0.00	0.00
54770000	56.160	0.24432	VRT	MST	1.940E+17	0.999	1.00	1.00	1.432E-04	0.00	0.00
54780000	56.162	0.24410	VRT	MST	1.940E+17	0.999	1.00	1.00	1.606E-04	0.00	0.00
54790000	56.165	0.24388	VRT	MST	1.940E+17	0.999	1.00	1.00	1.799E-04	0.00	0.00
54800000	56.167	0.24367	VRT	MST	1.940E+17	0.999	1.00	1.00	2.014E-04	0.00	0.00
54810000	56.169	0.24346	VRT	MST	1.940E+17	0.999	1.00	1.00	2.252E-04	0.00	0.00
54820000	56.172	0.24325	VRT	MST	1.940E+17	0.999	1.00	1.00	2.516E-04	0.00	0.00
54830000	56.174	0.24304	VRT	MST	1.940E+17	0.999	1.00	1.00	2.808E-04	0.00	0.00

54840000	56.176	0.24284	VRT	MST	1.940E+17	0.999	1.00	1.00	3.130E-04	0.00	0.00
54850000	56.179	0.24264	VRT	MST	1.940E+17	0.999	1.00	1.00	3.486E-04	0.00	0.00
54860000	56.181	0.24244	VRT	MST	1.940E+17	0.999	1.00	1.00	3.878E-04	0.00	0.00
54870000	56.183	0.24225	VRT	MST	1.940E+17	0.999	1.00	1.00	4.310E-04	0.00	0.00
54880000	56.186	0.24205	VRT	MST	1.940E+17	0.999	1.00	1.00	4.785E-04	0.00	0.00
54890000	56.188	0.24186	VRT	MST	1.940E+17	0.999	1.00	1.00	5.306E-04	0.00	0.00
54900000	56.190	0.24167	VRT	MST	1.940E+17	0.999	1.00	1.00	5.877E-04	0.00	0.00
54910000	56.193	0.24149	VRT	MST	1.940E+17	0.999	1.00	1.00	6.502E-04	0.00	0.00
54920000	56.195	0.24130	VRT	MST	1.940E+17	0.999	1.00	1.00	7.185E-04	0.00	0.00
54930000	56.197	0.24111	VRT	MST	1.940E+17	0.999	1.00	1.00	7.932E-04	0.00	0.00
54940000	56.200	0.24091	VRT	MST	1.940E+17	0.999	1.00	1.00	8.746E-04	0.00	0.00
55000000	56.202	0.24071	VRT	MST	1.939E+17	0.999	1.00	1.00	9.633E-04	0.00	0.00
56010000	56.214	0.23966	HRT	MST	1.936E+17	0.999	1.00	1.00	1.126E-03	0.00	0.00
56020000	56.219	0.23927	HRT	MST	1.933E+17	0.999	1.00	1.00	1.312E-03	0.00	0.00
56030000	56.224	0.23888	HRT	MST	1.930E+17	0.999	1.00	1.00	1.522E-03	0.00	0.00
56040000	56.229	0.23847	HRT	MST	1.926E+17	0.998	1.00	1.00	1.759E-03	0.00	0.00
56050000	56.235	0.23804	HRT	MST	1.921E+17	0.998	1.00	1.00	2.025E-03	0.00	0.00
56060000	56.241	0.23760	HRT	MST	1.916E+17	0.998	1.00	1.00	2.319E-03	0.00	0.00
56070000	56.247	0.23716	HRT	MST	1.911E+17	0.998	1.00	1.00	2.643E-03	0.00	0.00
56080000	56.252	0.23673	HRT	MST	1.905E+17	0.998	1.00	1.00	2.996E-03	0.00	0.00
56090000	56.258	0.23631	HRT	MST	1.897E+17	0.998	1.00	1.00	3.376E-03	0.00	0.00
56100000	56.264	0.23590	HRT	MST	1.889E+17	0.998	1.00	1.00	3.780E-03	0.00	0.00
56110000	56.269	0.23551	HRT	MST	1.879E+17	0.998	1.00	1.00	4.204E-03	0.00	0.00
56120000	56.275	0.23513	HRT	MST	1.866E+17	0.998	1.00	1.00	4.643E-03	0.00	0.00
56130000	56.280	0.23476	HRT	MST	1.850E+17	0.998	1.00	1.00	5.089E-03	0.00	0.00
56140000	56.286	0.23440	HRT	MST	1.828E+17	0.998	1.00	1.00	5.534E-03	0.00	0.00
56150000	56.291	0.23402	HRT	MST	1.799E+17	0.998	1.00	1.00	5.970E-03	0.00	0.00
56160000	56.297	0.23364	HRT	MST	1.760E+17	0.998	1.00	1.00	6.387E-03	0.00	0.00
56170000	56.302	0.23325	HRT	MST	1.710E+17	0.998	1.00	1.00	6.777E-03	0.00	0.00
56180000	56.308	0.23282	HRT	MST	1.645E+17	0.997	1.00	1.00	7.132E-03	0.00	0.00
56190000	56.314	0.23237	HRT	MST	1.565E+17	0.997	1.00	1.00	7.448E-03	0.00	0.00
56200000	56.320	0.23188	HRT	MST	1.468E+17	0.997	1.00	1.00	7.720E-03	0.00	0.00
56210000	56.327	0.23134	HRT	MST	1.354E+17	0.996	1.00	1.00	7.949E-03	0.00	0.00
56220000	56.334	0.23076	HRT	MST	1.224E+17	0.996	1.00	1.00	8.137E-03	0.00	0.00
56230000	56.342	0.23012	HRT	MST	1.082E+17	0.995	1.00	1.00	8.291E-03	0.00	0.00
56240000	56.350	0.22943	HRT	MST	9.299E+16	0.994	1.00	1.00	8.422E-03	0.00	0.00
56250000	56.359	0.22868	HRT	MST	7.700E+16	0.994	1.00	1.00	8.540E-03	0.00	0.00
56260000	56.369	0.22789	HRT	MST	6.097E+16	0.993	1.00	1.00	8.659E-03	0.00	0.00
56270000	56.379	0.22706	HRT	MST	4.600E+16	0.992	1.00	1.00	8.795E-03	0.00	0.00
56280000	56.389	0.22627	HRT	MST	3.319E+16	0.991	1.00	1.00	8.961E-03	0.00	0.00
56290000	56.396	0.22570	HRT	MST	2.023E+16	0.991	1.00	1.00	9.173E-03	0.00	0.00
56300000	56.402	0.22521	HRT	MST	3.569E+15	0.990	1.00	1.00	9.442E-03	0.00	0.00
56310000	56.421	0.22372	HRT	MST	9.097E-02	0.989	1.00	1.00	9.769E-03	0.00	0.00
56320000	56.428	0.22323	HRT	MST	0.156	0.989	1.00	1.00	1.017E-02	0.00	0.00
56330000	56.432	0.22295	HRT	MST	0.263	0.988	1.00	1.00	1.064E-02	0.00	0.00
56340000	56.436	0.22271	HRT	MST	0.468	0.988	1.00	1.00	1.118E-02	0.00	0.00
57000000	56.442	0.22229	HRT	MST	0.724	0.987	1.00	1.00	1.178E-02	0.00	0.00
58010000	56.456	0.22128	HRT	MST	0.880	0.987	1.00	1.00	1.248E-02	0.00	0.00
58020000	56.471	0.22022	HRT	MST	0.971	0.987	1.00	1.00	1.323E-02	0.00	0.00
58030000	56.487	0.21904	HRT	MST	1.07	0.986	1.00	1.00	1.398E-02	0.00	0.00
58040000	56.504	0.21774	HRT	MST	1.19	0.985	1.00	1.00	1.470E-02	0.00	0.00
58050000	56.523	0.21629	HRT	MST	1.31	0.984	1.00	1.00	1.539E-02	0.00	0.00
58060000	56.544	0.21468	HRT	MST	1.68	0.982	1.00	1.00	1.602E-02	0.00	0.00
59000000	56.569	0.21269	HRT	MST	2.24	0.980	1.00	1.00	1.657E-02	0.00	0.00
60010000	56.616	0.20889	VRT	MST	2.45	0.979	1.00	1.00	1.707E-02	0.00	0.00
60020000	56.662	0.20530	VRT	MST	2.49	0.978	1.00	1.00	1.756E-02	0.00	0.00
61000000	56.709	0.20158	VRT	MST	2.65	0.977	1.00	1.00	1.811E-02	0.00	0.00
62010000	56.759	0.19769	VRT	MST	2.97	0.976	1.00	1.00	1.870E-02	0.00	0.00
63000000	56.815	0.19345	VRT	MST	3.33	0.976	0.377	0.377	1.949E-02	0.00	0.00
65000000	56.911	0.18643	HRT	TCT	3.83	0.976	0.000	0.000	2.205E-02	0.00	0.00

67000000	57.040	0.17732	HRT	MST	3.47	0.976	0.000	0.000	2.550E-02	0.00	0.00
69010000	57.202	0.16618	HRT	TCT	505.	0.983	0.000	0.000	3.010E-02	0.00	0.00
69020000	57.701	0.13558	HRT	CTB	0.108E+04	0.986	0.000	0.000	5.048E-02	0.00	0.00
69030000	57.701	0.13558	HRT	TCT	0.107E+04	0.986	0.000	0.000	5.048E-02	0.00	0.00
70010000	57.985	0.15895	HRT	CTB	0.108E+04	0.962	0.000	0.000	0.288	0.00	0.00
70020000	57.985	0.15895	HRT	CTM	731.	0.962	0.000	0.000	0.288	0.00	0.00
72000000	61.289	0.29266	HRT	CT	4.30	0.925	0.000	0.000	0.910	0.00	0.00
74000000	61.712	5.28288E-02	VRT	SLG	0.108E+04	0.109	0.249	0.249	0.862	0.00	0.00
76010000	53.645	0.57545	HRT	TCT	1.642E+17	0.997	0.941	0.941	0.000	0.00	0.00
76020000	54.499	0.44228	HRT	TCT	1.708E+17	0.997	0.470	0.470	0.000	0.00	0.00
76030000	54.911	0.38420	HRT	TCT	1.743E+17	0.998	0.000	0.000	0.000	0.00	0.00
77000000	55.213	0.34518	HRT	TCT	1.759E+17	0.998	0.998	0.998	0.000	0.00	0.00



57000000	56.442	0.22229	HRT	MST	0.724	0.983	1.00	1.00	1.178E-02	0.00	0.00
58010000	56.456	0.22126	HRT	MST	0.880	0.981	1.00	1.00	1.248E-02	0.00	0.00
58020000	56.471	0.22022	HRT	MST	0.971	0.987	1.00	1.00	1.323E-02	0.00	0.00
58030000	56.487	0.21904	HRT	MST	1.07	0.986	1.00	1.00	1.398E-02	0.00	0.00
58040000	56.504	0.21774	HRT	MST	1.19	0.985	1.00	1.00	1.470E-02	0.00	0.00
58050000	56.523	0.21629	HRT	MST	1.31	0.984	1.00	1.00	1.539E-02	0.00	0.00
58060000	56.544	0.21468	HRT	MST	1.68	0.982	1.00	1.00	1.602E-02	0.00	0.00
59000000	56.569	0.21269	HRT	MST	2.24	0.980	1.00	1.00	1.657E-02	0.00	0.00
60010000	56.616	0.20889	VRT	MST	2.45	0.979	1.00	1.00	1.707E-02	0.00	0.00
60020000	56.662	0.20530	VRT	MST	2.49	0.978	1.00	1.00	1.756E-02	0.00	0.00
61000000	56.709	0.20158	VRT	MST	2.65	0.977	1.00	1.00	1.811E-02	0.00	0.00
62010000	56.759	0.19769	VRT	MST	2.97	0.976	1.00	1.00	1.870E-02	0.00	0.00
63000000	56.815	0.19345	VRT	MST	3.33	0.976	0.377	0.377	1.949E-02	0.00	0.00
65000000	56.911	0.18643	HRT	TCT	3.83	0.976	0.000	0.000	2.205E-02	0.00	0.00

67000000	57.040	0.17732	HRT	MST	3.47	0.976	0.000	0.000	2.550E-02	0.00	0.00
69010000	57.202	0.16618	HRT	TCT	505.	0.983	0.000	0.000	3.010E-02	0.00	0.00
69020000	57.701	0.13558	HRT	CTB	0.108E+04	0.986	0.000	0.000	5.048E-02	0.00	0.00
69030000	57.701	0.13558	HRT	TCT	0.107E+04	0.986	0.000	0.000	5.048E-02	0.00	0.00
76010000	57.985	0.15895	HRT	CTB	0.108E+04	0.962	0.000	0.000	0.288	0.00	0.00
70020000	57.985	0.15895	HRT	CTM	731.	0.962	0.000	0.000	0.288	0.00	0.00
72000000	61.289	0.29266	HRT	CTT	4.30	0.625	0.000	0.000	0.910	0.00	0.00
74000000	61.712	5.28288E-02	VRT	SLG	0.108E+04	0.109	0.249	0.249	0.862	0.00	0.00
76010000	53.645	0.57545	HRT	TCT	1.642E+17	0.997	0.941	0.941	0.000	0.00	0.00
76020000	54.499	0.44228	HRT	TCT	1.708E+17	0.997	0.470	0.470	0.000	0.00	0.00
76030000	54.911	0.38420	HRT	TCT	1.743E+17	0.998	0.000	0.000	0.000	0.00	0.00
77000000	55.213	0.34518	HRT	TCT	1.759E+17	0.998	0.998	0.998	0.000	0.00	0.00
78000000	38.704	5.4607	HRT	CTM	0.144E+04	0.970	0.971	0.970	0.000	0.82	0.83
80000000	32.788	9.1201	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
82000000	32.710	9.1430	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
83010000	32.710	9.1430	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
84000000	32.696	9.1506	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
85010000	32.696	9.1506	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
86000000	32.771	9.1361	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
88000000	32.754	9.1445	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
90000000	32.751	9.1497	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
91010000	32.744	9.1641	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
91020000	32.748	9.1569	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
92000000	32.620	9.2046	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
94000000	54.948	0.36873	HRT	TCT	1.725E+17	0.998	0.998	0.997	0.000	1.0	2.2
98000000	38.726	5.4489	HRT	CTM	0.577	0.970	0.995	0.970	0.000	0.20	0.84
100000000	32.805	9.1030	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
102000000	32.792	9.1106	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
103010000	32.790	9.1147	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
104000000	32.776	9.1229	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
105010000	32.773	9.1296	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
106000000	32.771	9.1361	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
108000000	32.754	9.1445	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
110000000	32.751	9.1497	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
111010000	32.744	9.1641	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
111020000	32.748	9.1569	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
112000000	32.620	9.2046	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
114010000	55.071	0.35462	HRT	MST	1.773E+17	0.998	1.00	1.00	5.466E-10	0.00	0.00
114020000	55.072	0.35452	HRT	MST	1.773E+17	0.998	1.00	1.00	6.902E-10	0.00	0.00
119000000	54.522	0.42726	HRT	TCT	1.694E+17	0.997	0.000	0.000	0.000	0.00	0.00
120000000	54.886	0.37820	HRT	TCT	1.731E+17	0.998	0.998	0.998	0.000	0.00	0.00
121000000	55.179	0.34482	HRT	MST	1.687E+17	0.998	0.998	0.998	0.000	0.00	0.00
122000000	55.179	0.34482	HRT	TCT	1.739E+17	0.998	0.998	0.998	0.000	6.43E-03	6.34E-0
123000000	55.073	0.35445	HRT	TCT	1.773E+17	0.998	0.998	0.993	8.704E-10	1.27E-02	29.
194000000	55.648	0.29303	HRT	TCT	1.817E+17	0.998	0.998	0.998	2.462E-10	1.0	1.8
195010000	55.576	0.30035	HRT	MST	1.810E+17	0.998	0.483	0.483	2.334E-10	0.00	0.00
196000000	55.927	0.27008	HRT	MST	1.824E+17	0.998	0.998	0.998	2.192E-10	0.00	0.00
278000000	32.790	9.1149	HRT	CTM	1.404E+17	1.00	1.00	1.00	0.000	0.37	0.37
298000000	32.807	9.0979	HRT	CTM	1.411E+17	1.00	1.00	1.00	0.000	0.37	0.37

CONTROL VARIABLE EDIT

1 PSV FUNCTION 1.0000

---RESTART NO. 2077 WRITTEN, BLOCK NO. 5---

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

ATTEMPTED ADV: TOT. = 2117 EDIT = 40 MIN.DT = 2.500000E-04 SEC LAST DT = 2.500000E-04 SEC MS.ERR = 51.0587 LB  
 REPEATED ADV: TOT. = 72 EDIT = 0 MAX.DT = 2.500000E-04 SEC CRMT.DT = 4.177896E-04 SEC TOT.MS = 39107.3 LB  
 SUCCESSFUL ADV: TOT. = 2045 EDIT = 40 AVG.DT = 2.500000E-04 SEC ERR.EST = 3.621981E-06 M.RATN = 1.305605E-03  
 REQUESTED ADV: TOT. = 510 EDIT = 10 REQ.DT = 1.000000E-03 SEC CPU = 420.144 SEC TIME = 0.510000 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	TEMP (DEGF)	TEMP (DEGF)	TEMP (DEGF)	VOL. FLAG
:-001	TMDPVOL COMPONENT									
1010000	2736.5	1509.4	1.0000	0.00000	1.0000	1.0000	681.53	681.53	681.53	10
:-36	PIPE COMPONENT									
36010000	263.70	956.52	0.80035	0.00000	0.78293	0.99718	405.69	376.34	405.69	10
36020000	211.01	243.89	0.78160	0.00000						