

50-305

RESPONSE TO NUREG-0737 ITEM II.D.1

Docket # *50-305*

Control # *8403280048*

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

48080000	48080000	48090000	263.85	332.27	226.12	0.54800	1.0000	1000	0	0	0
-48-50	SNGLJUN COMPONENT										
49000000	48090000	50010000	250.05	331.16	232.97	0.54800	1.0000	1000	0	0	0
-50	PIPE COMPONENT										
50010000	50010000	50020000	257.01	333.98	239.62	0.54800	1.0000	1000	0	0	0
50020000	50020000	50030000	262.10	334.99	245.74	0.54800	1.0000	1000	0	0	0
50030000	50030000	50040000	266.01	335.55	251.46	0.54800	1.0000	1000	0	0	0
50040000	50040000	50050000	268.92	335.92	256.92	0.54800	1.0000	1000	0	0	0
-50-52	SNGLJUN COMPONENT										
51000000	50050000	52010000	275.58	335.95	262.05	0.54800	1.0000	1000	0	0	0
-52-54	SNGLJUN COMPONENT										
53000000	52010000	54010000	237.34	339.53	267.30	0.54800	1.0000	1000	0	0	0
-54	PIPE COMPONENT										

54010000	54010000	54020000	262.89	361.10	271.75	0.54800	1.0000	1000	0	0	0
54020000	54020000	54030000	281.64	377.15	275.08	0.54800	1.0000	1000	0	0	0
54030000	54030000	54040000	296.54	390.32	277.59	0.54800	1.0000	1000	0	0	0
54040000	54040000	54050000	309.05	401.77	279.49	0.54800	1.0000	1000	0	0	0
54050000	54050000	54060000	319.97	412.07	280.98	0.54800	1.0000	1000	0	0	0
54060000	54060000	54070000	329.77	421.55	282.24	0.54800	1.0000	1000	0	0	0
54070000	54070000	54080000	338.77	430.36	283.46	0.54800	1.0000	1000	0	0	0
54080000	54080000	54090000	347.15	438.57	284.79	0.54800	1.0000	1000	0	0	0
54090000	54090000	54100000	355.00	446.15	286.32	0.54800	1.0000	1000	0	0	0
54100000	54100000	54110000	362.36	452.99	288.05	0.54800	1.0000	1000	0	0	0
54110000	54110000	54120000	369.22	458.93	289.94	0.54800	1.0000	1000	0	0	0
54120000	54120000	54130000	375.49	463.70	291.86	0.54800	1.0000	1000	0	0	0
54130000	54130000	54140000	381.10	466.99	293.61	0.54800	1.0000	1000	0	0	0
54140000	54140000	54150000	385.92	468.45	294.94	0.54800	1.0000	1000	0	0	0
54150000	54150000	54160000	389.90	467.80	295.51	0.54800	1.0000	1000	0	0	0
54160000	54160000	54170000	393.03	465.07	294.92	0.54800	1.0000	1000	0	0	0
54170000	54170000	54180000	395.38	460.16	292.68	0.54800	1.0000	1000	0	0	0
54180000	54180000	54190000	397.13	453.39	288.23	0.54800	1.0000	1000	0	0	0
54190000	54190000	54200000	398.65	445.30	280.97	0.54800	1.0000	1000	0	0	0
54200000	54200000	54210000	435.79	435.79	270.88	0.54800	1.0000	1000	0	0	0
54210000	54210000	54220000	459.98	459.98	258.96	0.54800	1.0000	1000	0	0	0
54220000	54220000	54230000	477.65	477.65	245.99	0.54800	1.0000	1000	0	0	0
54230000	54230000	54240000	489.64	489.64	232.57	0.54800	1.0000	1000	0	0	0
54240000	54240000	54250000	497.39	497.39	219.38	0.54800	1.0000	1000	0	0	0
54250000	54250000	54260000	502.44	502.44	207.40	0.54800	1.0000	1000	0	0	0
54260000	54260000	54270000	505.96	505.96	197.94	0.54800	1.0000	1000	0	0	0
54270000	54270000	54280000	508.72	508.72	192.60	0.54800	1.0000	1000	0	0	0
54280000	54280000	54290000	509.08	509.08	192.90	0.54800	1.0000	1000	0	0	0
54290000	54290000	54300000	503.17	512.96	193.66	0.54800	1.0000	1000	0	0	0
54300000	54300000	54310000	502.72	514.65	196.72	0.54800	1.0000	1000	0	0	0
54310000	54310000	54320000	506.08	515.70	204.75	0.54800	1.0000	1000	0	0	0
54320000	54320000	54330000	511.19	516.64	219.10	0.54800	1.0000	1000	0	0	0
54330000	54330000	54340000	515.69	517.72	237.30	0.54800	1.0000	1000	0	0	0
54340000	54340000	54350000	518.86	519.27	255.55	0.54800	1.0000	1000	0	0	0
54350000	54350000	54360000	521.56	521.60	271.55	0.54800	1.0000	1000	0	0	0
54360000	54360000	54370000	524.65	524.64	284.99	0.54800	1.0000	1000	0	0	0
54370000	54370000	54380000	528.31	528.31	296.19	0.54800	1.0000	1000	0	0	0
54380000	54380000	54390000	532.24	532.24	305.05	0.54800	1.0000	1000	0	0	0
54390000	54390000	54400000	536.06	536.06	311.36	0.54800	1.0000	1000	0	0	0
54400000	54400000	54410000	539.45	539.45	314.99	0.54800	1.0000	1000	0	0	0
54410000	54410000	54420000	542.26	542.26	316.02	0.54800	1.0000	1000	0	0	0
54420000	54420000	54430000	544.45	544.45	314.68	0.54800	1.0000	1000	0	0	0
54430000	54430000	54440000	546.10	546.10	311.30	0.54800	1.0000	1000	0	0	0
54440000	54440000	54450000	547.29	547.29	306.21	0.54800	1.0000	1000	0	0	0
54450000	54450000	54460000	548.10	548.10	299.71	0.54800	1.0000	1000	0	0	0
54460000	54460000	54470000	548.57	548.57	292.02	0.54800	1.0000	1000	0	0	0
54470000	54470000	54480000	548.72	548.72	285.35	0.54800	1.0000	1000	0	0	0
54480000	54480000	54490000	548.60	548.60	274.09	0.54800	1.0000	1000	0	0	0
54490000	54490000	54500000	548.20	548.20	264.41	0.54800	1.0000	1000	0	0	0
54500000	54500000	54510000	547.56	547.56	254.67	0.54800	1.0000	1000	0	0	0
54510000	54510000	54520000	546.71	546.71	245.18	0.54800	1.0000	1000	0	0	0
54520000	54520000	54530000	545.68	545.68	236.24	0.54800	1.0000	1000	0	0	0
54530000	54530000	54540000	544.50	544.50	228.10	0.54800	1.0000	1000	0	0	0
54540000	54540000	54550000	543.24	543.24	220.98	0.54800	1.0000	1000	0	0	0
54550000	54550000	54560000	541.93	541.93	214.98	0.54800	1.0000	1000	0	0	0
54560000	54560000	54570000	540.61	540.61	210.14	0.54800	1.0000	1000	0	0	0
54570000	54570000	54580000	539.33	539.33	206.43	0.54800	1.0000	1000	0	0	0
54580000	54580000	54590000	538.11	538.11	203.74	0.54800	1.0000	1000	0	0	0
54590000	54590000	54600000	536.98	536.98	201.90	0.54800	1.0000	1000	0	0	0
54600000	54600000	54610000	535.94	535.94	200.73	0.54800	1.0000	1000	0	0	0

54610000	54610000	54620000	535.00	535.00	200.02	0.54800	1.0000	1000	0	0	0
54620000	54620000	54630000	534.13	534.13	199.60	0.54800	1.0000	1000	0	0	0
54630000	54630000	54640000	533.33	533.33	199.29	0.54800	1.0000	1000	0	0	0
54640000	54640000	54650000	532.56	532.56	198.98	0.54800	1.0000	1000	0	0	0
54650000	54650000	54660000	531.82	531.82	198.59	0.54800	1.0000	1000	0	0	0
54660000	54660000	54670000	531.10	531.10	198.09	0.54800	1.0000	1000	0	0	0
54670000	54670000	54680000	530.39	530.39	197.55	0.54800	1.0000	1000	0	0	0
54680000	54680000	54690000	529.11	529.11	197.67	0.54800	1.0000	1000	0	0	0
54690000	54690000	54700000	528.87	528.71	198.44	0.54800	1.0000	1000	0	0	0
54700000	54700000	54710000	528.50	527.63	201.01	0.54800	1.0000	1000	0	0	0
54710000	54710000	54720000	528.03	526.30	206.05	0.54800	1.0000	1000	0	0	0
54720000	54720000	54730000	527.21	524.87	215.04	0.54800	1.0000	1000	0	0	0
54730000	54730000	54740000	526.86	523.62	228.71	0.54800	1.0000	1000	0	0	0

54480000	54480000	54490000	548.60	548.60	274.09	0.54800	1.0000	1000	0	0	0
54490000	54490000	54500000	548.20	548.20	264.41	0.54800	1.0000	1000	0	0	0
54500000	54500000	54510000	547.56	547.56	254.67	0.54800	1.0000	1000	0	0	0
54510000	54510000	54520000	546.71	546.71	245.18	0.54800	1.0000	1000	0	0	0
54520000	54520000	54530000	545.68	545.68	236.24	0.54800	1.0000	1000	0	0	0
54530000	54530000	54540000	544.50	544.50	228.10	0.54800	1.0000	1000	0	0	0
54540000	54540000	54550000	543.24	543.24	220.98	0.54800	1.0000	1000	0	0	0
54550000	54550000	54560000	541.93	541.93	214.98	0.54800	1.0000	1000	0	0	0
54560000	54560000	54570000	540.61	540.61	210.14	0.54800	1.0000	1000	0	0	0
54570000	54570000	54580000	539.33	539.33	206.43	0.54800	1.0000	1000	0	0	0
54580000	54580000	54590000	538.11	538.11	203.74	0.54800	1.0000	1000	0	0	0
54590000	54590000	54600000	536.98	536.98	201.90	0.54800	1.0000	1000	0	0	0
54600000	54600000	54610000	535.94	535.94	200.73	0.54800	1.0000	1000	0	0	0

54610000	54610000	54620000	535.00	535.00	200.02	0.54800	1.0000	1000	0	0	0
54620000	54620000	54630000	534.13	534.13	199.60	0.54800	1.0000	1000	0	0	0
54630000	54630000	54640000	533.33	533.33	199.29	0.54800	1.0000	1000	0	0	0
54640000	54640000	54650000	532.56	532.56	198.98	0.54800	1.0000	1000	0	0	0
54650000	54650000	54660000	531.82	531.82	198.59	0.54800	1.0000	1000	0	0	0
54660000	54660000	54670000	531.10	531.10	198.09	0.54800	1.0000	1000	0	0	0
54670000	54670000	54680000	530.39	530.39	197.55	0.54800	1.0000	1000	0	0	0
54680000	54680000	54690000	529.11	529.11	197.67	0.54800	1.0000	1000	0	0	0
54690000	54690000	54700000	525.87	528.71	198.44	0.54800	1.0000	1000	0	0	0
54700000	54700000	54710000	522.50	527.63	201.01	0.54800	1.0000	1000	0	0	0
54710000	54710000	54720000	518.03	526.30	206.05	0.54800	1.0000	1000	0	0	0
54720000	54720000	54730000	512.21	524.87	215.04	0.54800	1.0000	1000	0	0	0
54730000	54730000	54740000	504.84	523.42	229.78	0.54800	1.0000	1000	0	0	0
54740000	54740000	54750000	496.00	521.96	251.90	0.54800	1.0000	1000	0	0	0
54750000	54750000	54760000	486.61	520.50	282.64	0.54800	1.0000	1000	0	0	0
54760000	54760000	54770000	477.31	518.96	322.67	0.54800	1.0000	1000	0	0	0
54770000	54770000	54780000	468.93	517.29	372.32	0.54800	1.0000	1000	0	0	0
54780000	54780000	54790000	461.79	515.37	431.94	0.54800	1.0000	1000	0	0	0
54790000	54790000	54800000	455.77	513.14	501.87	0.54800	1.0000	1000	0	0	0
54800000	54800000	54810000	450.47	510.47	581.96	0.54800	1.0000	1000	0	0	0
54810000	54810000	54820000	445.37	507.24	670.37	0.54800	1.0000	1000	0	0	0
54820000	54820000	54830000	440.08	503.33	762.45	0.54800	1.0000	1000	0	0	0
54830000	54830000	54840000	434.47	498.69	850.64	0.54800	1.0000	1000	0	0	0
54840000	54840000	54850000	428.55	493.30	925.46	0.54800	1.0000	1000	0	0	0
54850000	54850000	54860000	422.42	487.21	977.03	0.54800	1.0000	1000	0	0	0
54860000	54860000	54870000	416.23	480.49	997.24	0.54800	1.0000	1000	0	0	0
54870000	54870000	54880000	410.17	473.16	981.89	0.54800	1.0000	1000	0	0	0
54880000	54880000	54890000	404.52	465.14	932.13	0.54800	1.0000	1000	0	0	0
54890000	54890000	54900000	399.68	456.15	854.46	0.54800	1.0000	1000	0	0	0
54900000	54900000	54910000	396.23	445.77	759.71	0.54800	1.0000	1000	0	0	0
54910000	54910000	54920000	395.07	433.65	661.79	0.54800	1.0000	1000	0	0	0
54920000	54920000	54930000	397.11	419.54	576.08	0.54800	1.0000	1000	0	0	0
54930000	54930000	54940000	401.22	402.81	516.51	0.54800	1.0000	1000	0	0	0
54940000	54940000	54950000	398.28	382.34	468.68	0.54800	1.0000	1000	0	0	0

C-54-56 SNGLJUN COMPONENT

55000000	54950000	56010000	358.71	357.85	474.65	0.54800	1.0000	1000	0	0	0
C-56 PIPE COMPONENT											
56010000	56010000	56020000	339.02	338.96	446.69	0.54800	1.0000	1000	0	0	0
56020000	56020000	56030000	309.83	309.83	402.32	0.54800	1.0000	1000	0	0	0
56030000	56030000	56040000	274.52	274.52	345.55	0.54800	1.0000	1000	0	0	0
56040000	56040000	56050000	242.15	242.15	282.95	0.54800	1.0000	1000	0	0	0
56050000	56050000	56060000	218.86	218.86	222.08	0.54800	1.0000	1000	0	0	0
56060000	56060000	56070000	203.69	203.69	168.96	0.54800	1.0000	1000	0	0	0
56070000	56070000	56080000	193.50	193.50	126.08	0.54800	1.0000	1000	0	0	0
56080000	56080000	56090000	186.40	186.40	93.166	0.54800	1.0000	1000	0	0	0
56090000	56090000	56100000	180.80	180.80	68.571	0.54800	1.0000	1000	0	0	0
56100000	56100000	56110000	175.43	175.43	50.701	0.54800	1.0000	1000	0	0	0
56110000	56110000	56120000	171.30	171.30	38.441	0.54800	1.0000	1000	0	0	0
56120000	56120000	56130000	168.65	168.65	30.318	0.54800	1.0000	1000	0	0	0
56130000	56130000	56140000	167.09	167.09	25.088	0.54800	1.0000	1000	0	0	0
56140000	56140000	56150000	163.88	163.88	21.538	0.54800	1.0000	1000	0	0	0
56150000	56150000	56160000	155.28	155.28	18.686	0.54800	1.0000	1000	0	0	0
56160000	56160000	56170000	149.47	149.47	17.180	0.54800	1.0000	1000	0	0	0
56170000	56170000	56180000	138.96	138.96	13.894	0.54800	1.0000	1000	0	0	0
56180000	56180000	56190000	134.58	134.58	12.496	0.54800	1.0000	1000	0	0	0
56190000	56190000	56200000	132.63	132.63	11.954	0.54800	1.0000	1000	0	0	0
56200000	56200000	56210000	131.14	131.14	11.683	0.54800	1.0000	1000	0	0	0
56210000	56210000	56220000	129.00	129.00	11.429	0.54800	1.0000	1000	0	0	0
56220000	56220000	56230000	126.00	126.00	11.124	0.54800	1.0000	1000	0	0	0
56230000	56230000	56240000	122.53	122.53	10.785	0.54800	1.0000	1000	0	0	0

56240000	56240000	56250000	119.08	119.08	10.454	0.54800	1.0000	1000	0	0	0
56250000	56250000	56260000	115.94	115.94	10.155	0.54800	1.0000	1000	0	0	0
56260000	56260000	56270000	113.10	113.10	9.8865	0.54800	1.0000	1000	0	0	0
56270000	56270000	56280000	110.41	110.41	9.6326	0.54800	1.0000	1000	0	0	0
56280000	56280000	56290000	107.66	107.66	9.3736	0.54800	1.0000	1000	0	0	0
56290000	56290000	56300000	104.71	104.71	9.0972	0.54800	1.0000	1000	0	0	0
56300000	56300000	56310000	101.55	101.55	8.8019	0.54800	1.0000	1000	0	0	0
56310000	56310000	56320000	98.225	98.225	8.4939	0.54800	1.0000	1000	0	0	0
56320000	56320000	56330000	94.839	94.839	8.1814	0.54800	1.0000	1000	0	0	0
56330000	56330000	56340000	91.450	91.450	7.8704	0.54800	1.0000	1000	0	0	0
56340000	56340000	56350000	88.072	88.072	7.5622	0.54800	1.0000	1000	0	0	0

C-56-58 SNGLJUN COMPONENT

57000000	56350000	56610000	84.651	84.651	7.2547	0.54800	1.0000	1000	0	0	0
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56100000	56100000	56110000	175.43	175.43	50.701	0.54800	1.0000	1000	0	0	0
56110000	56110000	56120000	171.30	171.30	38.441	0.54800	1.0000	1000	0	0	0
56120000	56120000	56130000	168.65	168.65	30.318	0.54800	1.0000	1000	0	0	0
56130000	56130000	56140000	167.09	167.09	25.088	0.54800	1.0000	1000	0	0	0
56140000	56140000	56150000	163.88	163.88	21.538	0.54800	1.0000	1000	0	0	0
56150000	56150000	56160000	155.28	155.28	18.686	0.54800	1.0000	1000	0	0	0
56160000	56160000	56170000	149.47	149.47	17.180	0.54800	1.0000	1000	0	0	0
56170000	56170000	56180000	138.96	138.96	13.894	0.54800	1.0000	1000	0	0	0
56180000	56180000	56190000	134.58	134.58	12.496	0.54800	1.0000	1000	0	0	0
56190000	56190000	56200000	132.63	132.63	11.954	0.54800	1.0000	1000	0	0	0
56200000	56200000	56210000	131.14	131.14	11.683	0.54800	1.0000	1000	0	0	0
56210000	56210000	56220000	129.00	129.00	11.429	0.54800	1.0000	1000	0	0	0
56220000	56220000	56230000	126.00	126.00	11.124	0.54800	1.0000	1000	0	0	0
56230000	56230000	56240000	122.53	122.53	10.785	0.54800	1.0000	1000	0	0	0

56240000	56240000	56250000	119.08	119.08	10.454	0.54800	1.0000	1000	0	0	0
56250000	56250000	56260000	115.94	115.94	10.155	0.54800	1.0000	1000	0	0	0
56260000	56260000	56270000	113.10	113.10	9.8865	0.54800	1.0000	1000	0	0	0
56270000	56270000	56280000	110.41	110.41	9.6326	0.54800	1.0000	1000	0	0	0
56280000	56280000	56290000	107.66	107.66	9.3736	0.54800	1.0000	1000	0	0	0
56290000	56290000	56300000	104.71	104.71	9.0972	0.54800	1.0000	1000	0	0	0
56300000	56300000	56310000	101.55	101.55	8.8019	0.54800	1.0000	1000	0	0	0
56310000	56310000	56320000	98.225	98.225	8.4939	0.54800	1.0000	1000	0	0	0
56320000	56320000	56330000	94.839	94.839	8.1814	0.54800	1.0000	1000	0	0	0
56330000	56330000	56340000	91.450	91.450	7.8704	0.54800	1.0000	1000	0	0	0
56340000	56340000	56350000	88.072	88.072	7.5622	0.54800	1.0000	1000	0	0	0
C-56-58	SNGLJUN	COMPONENT									
57000000	56350000	58010000	84.684	84.684	7.2547	0.54800	1.0000	1000	0	0	0
C-58	PIPE	COMPONENT									
58010000	58010000	58020000	80.879	80.879	6.9112	0.54800	1.0000	1000	0	0	0
58020000	58020000	58030000	76.981	76.981	6.5613	0.54800	1.0000	1000	0	0	0
58030000	58030000	58040000	72.985	72.985	6.2049	0.54800	1.0000	1000	0	0	0
58040000	58040000	58050000	68.910	68.910	5.8443	0.54800	1.0000	1000	0	0	0
58050000	58050000	58060000	64.788	64.788	5.4822	0.54800	1.0000	1000	0	0	0
58060000	58060000	58070000	60.646	60.646	5.1210	0.54800	1.0000	1000	0	0	0
C-58-60	SNGLJUN	COMPONENT									
59000000	58070000	60010000	56.509	56.509	4.7627	0.54800	1.0000	1000	0	0	0
C-60	PIPE	COMPONENT									
60010000	60010000	60020000	51.963	51.963	4.3706	0.54800	1.0000	1000	0	0	0
60020000	60020000	60030000	47.476	47.476	3.9879	0.54800	1.0000	1000	0	0	0
C-60-62	SNGLJUN	COMPONENT									
61000000	60030000	62010000	43.074	43.074	3.6639	0.54800	1.0000	1000	0	0	0
C-62	PIPE	COMPONENT									
62010000	62010000	62020000	10.992	31.720	3.4862	0.54800	1.0000	1000	0	0	0
C-62-64	SNGLJUN	COMPONENT									
63000000	62020000	64010000	18.583	22.544	23.754	0.54800	1.0000	1000	0	0	0
C-64-66	SNGLJUN	COMPONENT									
65000000	64010000	66010000	21.190	22.461	409.42	0.54800	1.0000	1000	0	0	0
C-66-68	SNGLJUN	COMPONENT									
67000000	66010000	68010000	22.412	23.386	653.32	0.54800	1.0000	1000	0	0	0
C-69	BRANCH	COMPONENT									
69010000	68010000	69010000	23.059	23.059	753.35	0.54800	1.0000	1000	0	0	0
69020000	69010000	73010000	28.985	28.985	486.87	0.27300	1.0000	0	0	0	0
69030000	69010000	70010000	8.9372	8.9372	301.34	0.54800	1.0000	1000	0	0	0
C-70	BRANCH	COMPONENT									
70010000	70010000	73010000	12.740	12.740	214.63	0.27300	1.0000	0	0	0	0
70020000	70010000	71010000	2.5981	2.5981	87.861	0.54800	1.0000	1000	0	0	0
C-71-73	SNGLJUN	COMPONENT									
72000000	71010000	73010000	4.9952	4.9952	87.858	0.28500	1.0000	0	0	0	0
C-73-75	SNGLJUN	COMPONENT									
74000000	73010000	75010000	0.12021	1.5634	790.83	106.60	1.0000	1000	0	0	0
C-76	PIPE	COMPONENT									
76010000	76010000	76020000	708.51	708.51	110.82	0.20100	1.0000	1000	0	0	0
76020000	76020000	76030000	876.00	876.00	112.27	0.20100	1.0000	1000	0	0	0
76030000	76030000	76040000	966.18	966.18	112.86	0.20100	1.0000	1000	0	0	0
C-76-044	SNGLJUN	COMPONENT									
77000000	76040000	44010000	1025.4	1025.4	112.92	0.20100	1.0000	100	0	0	499
C178-76	VALVE	COMPONENT									
78000000	178010000	76010000	918.97	1037.5	109.24	1.70000E-02	1.0000	100	1	100	1005
C-81-79	SNGLJUN	COMPONENT									
80000000	81010000	79010000	84.606	84.606	111.12	0.14700	1.0000	1000	0	0	0
C-83-81	SNGLJUN	COMPONENT									
82000000	83020000	81010000	84.452	84.452	111.19	0.14700	1.0000	1000	0	0	0
C-83	PIPE	COMPONENT									
83010000	83010000	83020000	-1.11560E-02	-1.11560E-02	-1.46876E-02	0.14700	1.0000	1000	0	0	0

C-85-83	SNGLJUN	COMPONENT									
84000000	83020000	85010000	-84.443	-84.443	-111.26	0.14700	1.0000	1000	0	0	0
C-85	PIPE	COMPONENT									
85010000	85010000	85020000	1.45948E-02	1.45948E-02	1.92304E-02	0.14700	1.0000	1000	0	0	0
C-87-85	SNGLJUN	COMPONENT									
86000000	87010000	85010000	84.633	84.633	111.35	0.14700	1.0000	1000	0	0	0
C-89-87	SNGLJUN	COMPONENT									
88000000	89010000	87010000	84.600	84.600	111.41	0.14700	1.0000	1000	0	0	0
C-91-89	SNGLJUN	COMPONENT									
90000000	91030000	89010000	84.610	84.610	111.48	0.14700	1.0000	1000	0	0	0
C-91	PIPE	COMPONENT									
91010000	91010000	91020000	84.643	84.643	111.70	0.14700	1.0000	1000	0	0	0
91020000	91020000	91030000	84.626	84.626	111.59	0.14700	1.0000	1000	0	0	0
C-01-91	SNGLJUN	COMPONENT									
92000000	91030000	91010000	84.630	84.630	111.60	0.14700	1.0000	1000	0	0	0

76010000	76010000	76020000	88.51	708.51	110.82	0.20100	1.0000	1000	0	0	0
76020000	76020000	76030000	876.00	876.00	112.27	0.20100	1.0000	1000	0	0	0
76030000	76030000	76040000	966.18	966.18	112.86	0.20100	1.0000	1000	0	0	0
C-76-044	SNGLJUN	COMPONENT									
77000000	76040000	44010000	1025.4	1025.4	112.92	0.20100	1.0000	100	0	0	499
C178-76	VALVE	COMPONENT									
78000000	178010000	76010000	918.97	1037.5	167.24	1.70000E-02	1.0000	100	1	100	1005
C-81-79	SNGLJUN	COMPONENT									
80000000	81010000	79010000	84.606	84.606	111.12	0.14700	1.0000	1000	0	0	0
C-83-81	SNGLJUN	COMPONENT									
82000000	83020000	81010000	84.452	84.452	111.19	0.14700	1.0000	1000	0	0	0
C-83	PIPE	COMPONENT									
83010000	83010000	83020000	-1.11560E-02	-1.11560E-02	-1.46876E-02	0.14700	1.0000	1000	0	0	0

C-85-83	SNGLJUN	COMPONENT									
84000000	83020000	85010000	-84.443	-84.443	-111.26	0.14700	1.0000	1000	0	0	0
C-85	PIPE	COMPONENT									
85010000	85010000	85020000	1.45948E-02	1.45948E-02	1.92304E-02	0.14700	1.0000	1000	0	0	0
C-87-85	SNGLJUN	COMPONENT									
86000000	87010000	85010000	84.633	84.633	111.35	0.14700	1.0000	1000	0	0	0
C-89-87	SNGLJUN	COMPONENT									
88000000	89010000	87010000	84.600	84.600	111.41	0.14700	1.0000	1000	0	0	0
C-91-89	SNGLJUN	COMPONENT									
90000000	91030000	89010000	84.610	84.610	111.48	0.14700	1.0000	1000	0	0	0
C-91	PIPE	COMPONENT									
91010000	91010000	91020000	84.643	84.643	111.70	0.14700	1.0000	1000	0	0	0
91020000	91020000	91030000	84.626	84.626	111.59	0.14700	1.0000	1000	0	0	0
C-01-91	SNGLJUN	COMPONENT									
92000000	1010000	91010000	84.370	84.370	111.81	0.14700	1.0000	0	0	0	0
RD	VALVE	COMPONENT									
94000000	95010000	93010000	932.26	932.26	109.06	0.20100	0.81094	100	1	100	866
PR-2A	VALVE	COMPONENT									
98000000	198010000	36010000	1041.9	1042.4	112.75	1.70000E-02	1.0000	100	1	100	1005
C-100	SNGLJUN	COMPONENT									
100000000	101010000	99010000	84.699	84.699	111.04	0.14700	1.0000	1000	0	0	0
C1-103	SNGLJUN	COMPONENT									
102000000	103020000	101010000	84.670	84.670	111.10	0.14700	1.0000	1000	0	0	0
C-103	PIPE	COMPONENT									
103010000	103010000	103020000	84.681	84.681	111.16	0.14700	1.0000	1000	0	0	0
C5-103	SNGLJUN	COMPONENT									
104000000	105020000	103010000	84.660	84.660	111.23	0.14700	1.0000	1000	0	0	0
C-105	PIPE	COMPONENT									
105010000	105010000	105020000	84.681	84.681	111.34	0.14700	1.0000	1000	0	0	0
C7-105	SNGLJUN	COMPONENT									
106000000	107010000	105010000	84.702	84.702	111.44	0.14700	1.0000	1000	0	0	0
C9-107	SNGLJUN	COMPONENT									
108000000	109010000	107010000	84.673	84.673	111.51	0.14700	1.0000	1000	0	0	0
C11-109	SNGLJUN	COMPONENT									
110000000	111030000	109010000	84.688	84.688	111.59	0.14700	1.0000	1000	0	0	0
C-111	PIPE	COMPONENT									
111010000	111010000	111020000	84.729	84.729	111.81	0.14700	1.0000	1000	0	0	0
111020000	111020000	111030000	84.709	84.709	111.70	0.14700	1.0000	1000	0	0	0
C13-111	SNGLJUN	COMPONENT									
112000000	113010000	111010000	84.456	84.456	111.93	0.14700	1.0000	0	0	0	0
C-114	PIPE	COMPONENT									
114010000	114010000	114020000	54.946	92.368	47.218	0.54800	1.0000	1000	0	0	0
114020000	114020000	114030000	63.731	100.47	55.503	0.54800	1.0000	1000	0	0	0
C-119	SNGLJUN	COMPONENT									
119000000	36030000	136010000	840.99	840.99	110.94	0.20100	1.0000	1000	0	0	0
C-120	SNGLJUN	COMPONENT									
120000000	136010000	97010000	899.54	899.54	110.94	0.20100	1.0000	100	0	0	683
C-121	SNGLJUN	COMPONENT									
121000000	97010000	96010000	15.755	15.754	1.8769	0.20100	1.0000	100	0	0	3
C-122	SNGLJUN	COMPONENT									
122000000	97010000	95010000	915.25	915.25	109.04	0.20100	0.92039	100	0	0	9
C-123	SNGLJUN	COMPONENT									
123000000	114030000	48010000	110.31	110.31	161.29	0.54800	0.25000	100	1	100	811
RD	VALVE	COMPONENT									
194000000	195020000	193010000	1001.2	1001.2	99.481	0.18800	0.86702	100	1	100	604
C-195	PIPE	COMPONENT									
195010000	195010000	195020000	909.86	909.86	98.445	0.18800	1.0000	0	0	0	209
C-44-195	SNGLJUN	COMPONENT									
196000000	44010000	195010000	828.43	828.43	97.735	0.20100	1.0000	100	0	0	0
V-INLET	SNGLJUN	COMPONENT									

278000000	79010000	178010000	730.94	730.94	110.96	1.70000E-02	1.0000	100	0	0	0
V-INLET	SNGLJUN	COMPONENT									
298000000	99010000	198010000	732.83	732.83	111.05	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	53.054	0.66896	HRT	TCT	1.524E+17	0.997	0.941	0.941	0.000	0.00	0.00
36020000	53.682	0.54941	HRT	TCT	1.564E+17	0.997	0.470	0.470	0.000	0.00	0.00
37000000	53.451	0.56664	HRT	STR	4.486E+06	0.997	0.563	0.563	0.000	0.00	0.00
38010000	53.453	0.56643	HRT	STR	3.150E+06	0.997	1.00	1.00	1.935E-08	0.00	0.00
38020000	53.454	0.56622	HRT	STR	3.062E+06	0.997	1.00	1.00	1.160E-06	0.00	0.00
38030000	53.457	0.56589	HRT	STR	2.373E+06	0.997	1.00	1.00	3.405E-05	0.00	0.00
38040000	53.461	0.56552	HRT	STR	1.047E+06	0.997	1.00	1.00	5.589E-04	0.00	0.00
38050000	53.478	0.56502	HRT	STR	1.794E+05	0.996	1.00	1.00	5.430E-03	0.00	0.00
38060000	53.551	0.56966	HRT	STR	0.266E+04	0.993	1.00	1.00	3.065E-02	0.00	0.00

120000000	136010000	97010000	15.54	899.54	110.94	0.20100	1.0000	100	0	0	6P3
C-121	SNGLJUN	COMPONENT									
121000000	97010000	96010000	15.755	15.754	1.8769	0.20100	1.0000	100	0	0	3
C-122	SNGLJUN	COMPONENT									
122000000	97010000	95010000	915.25	915.25	109.04	0.20100	0.92039	100	0	0	9
C-123	SNGLJUN	COMPONENT									
123000000	114030000	48010000	110.31	110.31	161.29	0.54800	0.25000	100	1	100	811
RD	VALVE	COMPONENT									
194000000	195020000	193010000	1001.2	1001.2	99.461	0.18800	0.86702	100	1	100	604
C-195	PIPE	COMPONENT									
195010000	195010000	195020000	909.86	909.86	98.445	0.18800	1.0000	0	0	0	209
C-44-195	SNGLJUN	COMPONENT									
196000000	44010000	195010000	828.43	828.43	97.735	0.20100	1.0000	100	0	0	0
V-INLET	SNGLJUN	COMPONENT									

278000000	79010000	178010000	730.94	730.94	110.96	1.70000E-02	1.0000	100	0	0	0
V-INLET	SNGLJUN	COMPONENT									
298000000	99010000	198010000	732.83	732.83	111.05	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	53.054	0.66896	HRT	TCT	1.524E+17	0.997	0.941	0.941	0.000	0.00	0.00
36020000	53.682	0.54941	HRT	TCT	1.564E+17	0.997	0.470	0.470	0.000	0.00	0.00
37000000	53.451	0.56664	HRT	STR	4.486E+06	0.997	0.563	0.563	0.000	0.00	0.00
38010000	53.453	0.56643	HRT	STR	3.150E+06	0.997	1.00	1.00	1.935E-08	0.00	0.00
38020000	53.454	0.56622	HRT	STR	3.062E+06	0.997	1.00	1.00	1.160E-06	0.00	0.00
38030000	53.457	0.56589	HRT	STR	2.373E+06	0.997	1.00	1.00	3.405E-05	0.00	0.00
38040000	53.461	0.56552	HRT	STR	1.047E+06	0.997	1.00	1.00	5.589E-04	0.00	0.00
38050000	53.478	0.56582	HRT	STR	1.794E+05	0.996	1.00	1.00	5.430E-03	0.00	0.00
38060000	53.551	0.56966	HRT	STR	0.266E+04	0.993	1.00	1.00	3.065E-02	0.00	0.00
39000000	53.452	0.56656	HRT	STR	3.414E+06	0.997	1.00	1.00	0.000	0.00	0.00
41000000	53.730	0.58040	HRT	STR	5.44	0.986	1.00	1.00	9.201E-02	0.00	0.00
43000000	53.800	0.58385	HRT	MST	1.04	0.987	0.995	0.992	0.114	1.95E-02	0.31
45000000	54.304	0.45171	HRT	MST	1.394E+17	0.997	0.997	0.997	5.947E-03	0.39	0.40
46010000	53.711	0.52999	HRT	MST	9.823E+16	0.995	0.631	0.631	2.557E-03	0.00	0.00
46020000	53.713	0.52957	HRT	MST	4.083E+16	0.994	1.00	1.00	2.146E-03	0.00	0.00
47000000	53.726	0.52857	HRT	MST	0.421	0.990	1.00	1.00	3.702E-03	0.00	0.00
48010000	56.264	0.23794	HRT	MST	8.93	0.977	1.00	1.00	1.361E-02	0.00	0.00
48020000	56.429	0.22400	HRT	MST	7.65	0.981	1.00	1.00	1.444E-02	0.00	0.00
48030000	56.506	0.21778	HRT	MST	4.52	0.981	1.00	1.00	1.565E-02	0.00	0.00
48040000	56.550	0.21431	HRT	MST	3.78	0.980	1.00	1.00	1.674E-02	0.00	0.00
48050000	56.585	0.21160	HRT	MST	3.33	0.979	1.00	1.00	1.742E-02	0.00	0.00
48060000	56.613	0.20933	HRT	MST	2.93	0.978	1.00	1.00	1.775E-02	0.00	0.00
48070000	56.636	0.20744	HRT	MST	2.53	0.977	1.00	1.00	1.789E-02	0.00	0.00
48080000	56.656	0.20587	HRT	TCT	2.62	0.976	1.00	1.00	1.795E-02	0.00	0.00
49000000	56.675	0.20434	HRT	TCT	3.17	0.974	1.00	1.00	1.801E-02	0.00	0.00
50010000	56.712	0.20129	VRT	TCT	3.13	0.974	1.00	1.00	1.801E-02	0.00	0.00
50020000	56.739	0.19913	VRT	TCT	2.63	0.974	1.00	1.00	1.809E-02	0.00	0.00
50030000	56.761	0.19742	VRT	TCT	2.27	0.973	1.00	1.00	1.819E-02	0.00	0.00
50040000	56.779	0.19600	VRT	TCT	1.96	0.973	1.00	1.00	1.829E-02	0.00	0.00
51000000	56.794	0.19483	VRT	TCT	3.34	0.973	1.00	1.00	1.837E-02	0.00	0.00
53000000	56.817	0.19304	HRT	TCT	6.21	0.968	1.00	1.00	1.840E-02	0.00	0.00
54010000	56.924	0.18465	VRT	TCT	6.52	0.971	1.00	1.00	1.798E-02	0.00	0.00
54020000	57.007	0.17831	VRT	TCT	5.24	0.972	1.00	1.00	1.773E-02	0.00	0.00
54030000	57.074	0.17335	VRT	TCT	4.46	0.974	1.00	1.00	1.751E-02	0.00	0.00
54040000	57.130	0.16918	VRT	TCT	3.94	0.974	1.00	1.00	1.731E-02	0.00	0.00
54050000	57.181	0.16552	VRT	TCT	3.58	0.975	1.00	1.00	1.712E-02	0.00	0.00
54060000	57.227	0.16220	VRT	TCT	3.31	0.976	1.00	1.00	1.695E-02	0.00	0.00
54070000	57.270	0.15914	VRT	TCT	3.09	0.976	1.00	1.00	1.678E-02	0.00	0.00
54080000	57.311	0.15627	VRT	TCT	2.90	0.977	1.00	1.00	1.662E-02	0.00	0.00
54090000	57.350	0.15358	VRT	TCT	2.74	0.977	1.00	1.00	1.647E-02	0.00	0.00
54100000	57.387	0.15106	VRT	TCT	2.57	0.977	1.00	1.00	1.633E-02	0.00	0.00
54110000	57.422	0.14871	VRT	TCT	2.39	0.978	1.00	1.00	1.620E-02	0.00	0.00
54120000	57.454	0.14656	VRT	TCT	2.19	0.978	1.00	1.00	1.608E-02	0.00	0.00
54130000	57.483	0.14466	VRT	TCT	1.95	0.978	1.00	1.00	1.598E-02	0.00	0.00
54140000	57.507	0.14304	VRT	TCT	1.68	0.978	1.00	1.00	1.588E-02	0.00	0.00
54150000	57.527	0.14175	VRT	TCT	1.38	0.978	1.00	1.00	1.580E-02	0.00	0.00
54160000	57.542	0.14084	VRT	TCT	1.07	0.979	1.00	1.00	1.574E-02	0.00	0.00
54170000	57.552	0.14028	VRT	TCT	0.760	0.979	1.00	1.00	1.569E-02	0.00	0.00
54180000	57.556	0.14005	VRT	TCT	0.487	0.979	1.00	1.00	1.565E-02	0.00	0.00
54190000	57.556	0.14009	VRT	TCT	0.243	0.980	1.00	1.00	1.562E-02	0.00	0.00
54200000	57.552	0.14035	VRT	TCT	5.111E+10	0.982	1.00	1.00	1.559E-02	0.00	0.00
54210000	57.653	0.13363	VRT	TCT	6.437E+11	0.984	1.00	1.00	1.522E-02	0.00	0.00
54220000	57.730	0.12888	VRT	TCT	4.454E+12	0.985	1.00	1.00	1.496E-02	0.00	0.00
54230000	57.783	0.12566	VRT	TCT	2.198E+13	0.987	1.00	1.00	1.481E-02	0.00	0.00

54240000	57.819	0.12355	VRT	MST	1.070E+14	0.988	1.00	1.00	1.473E-02	0.00	0.00
54250000	57.842	0.12216	VRT	MST	4.284E+14	0.989	1.00	1.00	1.470E-02	0.00	0.00
54260000	57.859	0.12118	VRT	MST	1.406E+15	0.989	1.00	1.00	1.470E-02	0.00	0.00
54270000	57.871	0.12039	VRT	MST	2.329E+15	0.990	1.00	1.00	1.471E-02	0.00	0.00
54280000	57.887	0.11955	VRT	MST	2.567E+14	0.990	1.00	1.00	1.471E-02	0.00	0.00
54290000	57.891	0.11930	VRT	MST	0.105	0.989	1.00	1.00	1.471E-02	0.00	0.00
54300000	57.894	0.11913	VRT	MST	0.286	0.989	1.00	1.00	1.469E-02	0.00	0.00
54310000	57.897	0.11896	VRT	MST	0.968	0.989	1.00	1.00	1.465E-02	0.00	0.00
54320000	57.900	0.11875	VRT	TCT	3.52	0.988	1.00	1.00	1.460E-02	0.00	0.00
54330000	57.905	0.11847	VRT	TCT	13.0	0.987	1.00	1.00	1.453E-02	0.00	0.00
54340000	57.910	0.11820	VRT	TCT	48.5	0.986	1.00	1.00	1.448E-02	0.00	0.00
54350000	57.911	0.11806	VRT	TCT	181.	0.985	1.00	1.00	1.445E-02	0.00	0.00
54360000	57.911	0.11809	VRT	TCT	676.	0.984	1.00	1.00	1.444E-02	0.00	0.00
54370000	57.909	0.11822	VRT	TCT	0.254E+04	0.984	1.00	1.00	1.444E-02	0.00	0.00
54380000	57.907	0.11837	VRT	TCT	0.969E+04	0.984	1.00	1.00	1.444E-02	0.00	0.00

54100000	57.422	0.14871	VRT	TCT	2.39	0.978	1.00	1.00	1.620E-02	0.00	0.00
54120000	57.454	0.14656	VRT	TCT	2.19	0.978	1.00	1.00	1.608E-02	0.00	0.00
54130000	57.483	0.14466	VRT	TCT	1.95	0.978	1.00	1.00	1.598E-02	0.00	0.00
54140000	57.507	0.14304	VRT	TCT	1.68	0.978	1.00	1.00	1.588E-02	0.00	0.00
54150000	57.527	0.14175	VRT	TCT	1.38	0.978	1.00	1.00	1.580E-02	0.00	0.00
54160000	57.542	0.14084	VRT	TCT	1.07	0.979	1.00	1.00	1.574E-02	0.00	0.00
54170000	57.552	0.14028	VRT	TCT	0.760	0.979	1.00	1.00	1.569E-02	0.00	0.00
54180000	57.556	0.14005	VRT	TCT	0.487	0.979	1.00	1.00	1.565E-02	0.00	0.00
54190000	57.556	0.14009	VRT	TCT	0.243	0.980	1.00	1.00	1.562E-02	0.00	0.00
54200000	57.552	0.14035	VRT	TCT	5.111E+10	0.982	1.00	1.00	1.559E-02	0.00	0.00
54210000	57.653	0.13363	VRT	TCT	6.437E+11	0.984	1.00	1.00	1.522E-02	0.00	0.00
54220000	57.730	0.12888	VRT	TCT	4.454E+12	0.985	1.00	1.00	1.496E-02	0.00	0.00
54230000	57.783	0.12566	VRT	TCT	2.198E+13	0.987	1.00	1.00	1.481E-02	0.00	0.00

54240000	57.819	0.12355	VRT	MST	1.070E+14	0.988	1.00	1.00	1.473E-02	0.00	0.00
54250000	57.842	0.12216	VRT	MST	4.284E+14	0.989	1.00	1.00	1.470E-02	0.00	0.00
54260000	57.859	0.12118	VRT	MST	1.406E+15	0.989	1.00	1.00	1.470E-02	0.00	0.00
54270000	57.871	0.12039	VRT	MST	2.329E+15	0.990	1.00	1.00	1.471E-02	0.00	0.00
54280000	57.887	0.11955	VRT	MST	2.567E+14	0.990	1.00	1.00	1.471E-02	0.00	0.00
54290000	57.891	0.11930	VRT	MST	0.105	0.989	1.00	1.00	1.471E-02	0.00	0.00
54300000	57.894	0.11913	VRT	MST	0.286	0.989	1.00	1.00	1.469E-02	0.00	0.00
54310000	57.897	0.11896	VRT	MST	0.968	0.989	1.00	1.00	1.465E-02	0.00	0.00
54320000	57.900	0.11875	VRT	TCT	3.52	0.988	1.00	1.00	1.460E-02	0.00	0.00
54330000	57.905	0.11847	VRT	TCT	13.0	0.987	1.00	1.00	1.453E-02	0.00	0.00
54340000	57.910	0.11820	VRT	TCT	48.5	0.986	1.00	1.00	1.448E-02	0.00	0.00
54350000	57.911	0.11806	VRT	TCT	181.	0.985	1.00	1.00	1.445E-02	0.00	0.00
54360000	57.911	0.11809	VRT	TCT	676.	0.984	1.00	1.00	1.444E-02	0.00	0.00
54370000	57.909	0.11822	VRT	TCT	0.254E+04	0.984	1.00	1.00	1.448E-02	0.00	0.00
54380000	57.907	0.11837	VRT	TCT	0.960E+04	0.984	1.00	1.00	1.456E-02	0.00	0.00
54390000	57.905	0.11847	VRT	TCT	3.664E+04	0.983	1.00	1.00	1.466E-02	0.00	0.00
54400000	57.906	0.11847	VRT	TCT	1.414E+05	0.983	1.00	1.00	1.479E-02	0.00	0.00
54410000	57.908	0.11834	VRT	TCT	5.514E+05	0.983	1.00	1.00	1.493E-02	0.00	0.00
54420000	57.913	0.11808	VRT	TCT	2.175E+06	0.983	1.00	1.00	1.508E-02	0.00	0.00
54430000	57.920	0.11772	VRT	TCT	8.651E+06	0.984	1.00	1.00	1.525E-02	0.00	0.00
54440000	57.928	0.11728	VRT	TCT	3.452E+07	0.984	1.00	1.00	1.542E-02	0.00	0.00
54450000	57.937	0.11678	VRT	TCT	1.372E+08	0.984	1.00	1.00	1.560E-02	0.00	0.00
54460000	57.947	0.11622	VRT	TCT	5.387E+08	0.985	1.00	1.00	1.578E-02	0.00	0.00
54470000	57.958	0.11563	VRT	TCT	2.066E+09	0.985	1.00	1.00	1.597E-02	0.00	0.00
54480000	57.969	0.11500	VRT	TCT	7.879E+09	0.986	1.00	1.00	1.616E-02	0.00	0.00
54490000	57.981	0.11435	VRT	TCT	2.997E+10	0.986	1.00	1.00	1.635E-02	0.00	0.00
54500000	57.993	0.11368	VRT	TCT	1.107E+11	0.987	1.00	1.00	1.654E-02	0.00	0.00
54510000	58.006	0.11302	VRT	TCT	3.927E+11	0.987	1.00	1.00	1.673E-02	0.00	0.00
54520000	58.018	0.11235	VRT	TCT	1.310E+12	0.988	1.00	1.00	1.691E-02	0.00	0.00
54530000	58.030	0.11170	VRT	MST	3.948E+12	0.988	1.00	1.00	1.709E-02	0.00	0.00
54540000	58.042	0.11107	VRT	MST	1.291E+13	0.989	1.00	1.00	1.727E-02	0.00	0.00
54550000	58.053	0.11047	VRT	MST	3.927E+13	0.989	1.00	1.00	1.744E-02	0.00	0.00
54560000	58.063	0.10989	VRT	MST	1.054E+14	0.989	1.00	1.00	1.761E-02	0.00	0.00
54570000	58.074	0.10933	VRT	MST	3.091E+14	0.989	1.00	1.00	1.777E-02	0.00	0.00
54580000	58.084	0.10881	VRT	MST	7.511E+14	0.990	1.00	1.00	1.793E-02	0.00	0.00
54590000	58.093	0.10832	VRT	MST	1.628E+15	0.990	1.00	1.00	1.808E-02	0.00	0.00
54600000	58.102	0.10786	VRT	MST	1.993E+15	0.990	1.00	1.00	1.824E-02	0.00	0.00
54610000	58.110	0.10744	VRT	MST	2.045E+15	0.990	1.00	1.00	1.839E-02	0.00	0.00
54620000	58.117	0.10705	VRT	MST	1.976E+15	0.990	1.00	1.00	1.855E-02	0.00	0.00
54630000	58.124	0.10669	VRT	MST	1.930E+15	0.990	1.00	1.00	1.871E-02	0.00	0.00
54640000	58.130	0.10637	VRT	MST	2.001E+15	0.990	1.00	1.00	1.887E-02	0.00	0.00
54650000	58.136	0.10607	VRT	MST	2.208E+15	0.990	1.00	1.00	1.904E-02	0.00	0.00
54660000	58.141	0.10581	VRT	MST	2.397E+15	0.990	1.00	1.00	1.922E-02	0.00	0.00
54670000	58.146	0.10556	VRT	MST	1.808E+15	0.990	1.00	1.00	1.941E-02	0.00	0.00
54680000	58.152	0.10529	VRT	MST	1.560E+14	0.990	1.00	1.00	1.960E-02	0.00	0.00
54690000	58.154	0.10522	VRT	MST	2.026E-02	0.990	1.00	1.00	1.980E-02	0.00	0.00
54700000	58.155	0.10517	VRT	MST	2.854E-02	0.989	1.00	1.00	2.000E-02	0.00	0.00
54710000	58.156	0.10512	VRT	MST	3.938E-02	0.989	1.00	1.00	2.020E-02	0.00	0.00
54720000	58.158	0.10507	VRT	MST	5.403E-02	0.988	1.00	1.00	2.040E-02	0.00	0.00
54730000	58.159	0.10502	VRT	TCT	7.350E-02	0.987	1.00	1.00	2.058E-02	0.00	0.00
54740000	58.160	0.10496	VRT	TCT	9.877E-02	0.985	1.00	1.00	2.075E-02	0.00	0.00
54750000	58.162	0.10490	VRT	TCT	0.132	0.983	1.00	1.00	2.091E-02	0.00	0.00
54760000	58.164	0.10481	VRT	CTM	0.185	0.980	1.00	1.00	2.106E-02	0.00	0.00
54770000	58.167	0.10469	VRT	CTM	0.275	0.977	1.00	1.00	2.120E-02	0.00	0.00
54780000	58.171	0.10450	VRT	CTM	0.398	0.972	1.00	1.00	2.135E-02	0.00	0.00
54790000	58.176	0.10424	VRT	CTM	0.540	0.967	1.00	1.00	2.152E-02	0.00	0.00
54800000	58.184	0.10389	VRT	CTM	0.691	0.961	1.00	1.00	2.175E-02	0.00	0.00
54810000	58.193	0.10345	VRT	CTM	0.844	0.954	1.00	1.00	2.206E-02	0.00	0.00
54820000	58.205	0.10291	VRT	CTM	0.988	0.947	1.00	1.00	2.249E-02	0.00	0.00
54830000	58.219	0.10228	VRT	CTM	1.10	0.940	1.00	1.00	2.312E-02	0.00	0.00

54840000	58.234	0.10159	VRT	CTM	1.17	0.934	1.00	1.00	2.405E-02	0.00	0.00
54850000	58.251	0.10089	VRT	CTM	1.18	0.929	1.00	1.00	2.550E-02	0.00	0.00
54860000	58.268	0.10023	VRT	CTM	1.12	0.926	1.00	1.00	2.777E-02	0.00	0.00
54870000	58.286	9.96868E-02	VRT	CTM	0.985	0.926	1.00	1.00	3.134E-02	0.00	0.00
54880000	58.303	9.93408E-02	VRT	CTM	0.793	0.929	1.00	1.00	3.676E-02	0.00	0.00
54890000	58.320	9.92675E-02	VRT	CTM	0.565	0.934	1.00	1.00	4.465E-02	0.00	0.00
54900000	58.338	9.95254E-02	VRT	CTM	0.348	0.941	1.00	1.00	5.561E-02	0.00	0.00
54910000	58.356	0.10013	VRT	CTM	0.217	0.949	1.00	1.00	7.006E-02	0.00	0.00
54920000	58.377	0.10106	VRT	CTM	0.322	0.956	1.00	1.00	8.836E-02	0.00	0.00
54930000	58.403	0.10226	VRT	CTM	1.64	0.961	1.00	1.00	0.110	0.00	0.00
54940000	58.435	0.10390	VRT	CTM	10.2	0.963	1.00	1.00	0.139	0.00	0.00
55000000	58.450	0.10876	VRT	CTM	222.	0.960	1.00	1.00	0.181	0.00	0.00
56010000	58.531	0.11500	HRT	CTM	0.415E+04	0.960	1.00	1.00	0.261	0.00	0.00
56020000	58.641	0.12493	HRT	CTM	7.887E+04	0.961	1.00	1.00	0.358	0.00	0.00
56030000	58.772	0.13937	HRT	TCT	1.299E+06	0.963	1.00	1.00	0.465	0.00	0.00

54700000	58.155	0.10517	VRT	MST	2.854E-02	0.989	1.00	1.00	2.000E-02	0.00	0.00
54710000	58.156	0.10512	VRT	MST	3.938E-02	0.989	1.00	1.00	2.020E-02	0.00	0.00
54720000	58.158	0.10507	VRT	MST	5.403E-02	0.988	1.00	1.00	2.040E-02	0.00	0.00
54730000	58.159	0.10502	VRT	TCT	7.350E-02	0.987	1.00	1.00	2.058E-02	0.00	0.00
54740000	58.160	0.10496	VRT	TCT	9.877E-02	0.985	1.00	1.00	2.075E-02	0.00	0.00
54750000	58.162	0.10490	VRT	TCT	0.132	0.983	1.00	1.00	2.091E-02	0.00	0.00
54760000	58.164	0.10481	VRT	CTM	0.185	0.980	1.00	1.00	2.106E-02	0.00	0.00
54770000	58.167	0.10469	VRT	CTM	0.275	0.977	1.00	1.00	2.120E-02	0.00	0.00
54780000	58.171	0.10450	VRT	CTM	0.398	0.972	1.00	1.00	2.135E-02	0.00	0.00
54790000	58.176	0.10424	VRT	CTM	0.540	0.967	1.00	1.00	2.152E-02	0.00	0.00
54800000	58.184	0.10389	VPT	CTM	0.691	0.961	1.00	1.00	2.175E-02	0.00	0.00
54810000	58.193	0.10345	VPT	CTM	0.844	0.954	1.00	1.00	2.206E-02	0.00	0.00
54820000	58.205	0.10291	VRT	CTM	0.988	0.947	1.00	1.00	2.249E-02	0.00	0.00
54830000	58.219	0.10228	VRT	CTM	1.10	0.940	1.00	1.00	2.312E-02	0.00	0.00

54840000	58.234	0.10159	VRT	CTM	1.17	0.934	1.00	1.00	2.405E-02	0.00	0.00
54850000	58.251	0.10089	VRT	CTM	1.18	0.929	1.00	1.00	2.550E-02	0.00	0.00
54860000	58.268	0.10023	VPT	CTM	1.12	0.926	1.00	1.00	2.777E-02	0.00	0.00
54870000	58.286	9.90668E-02	VRT	CTM	0.985	0.926	1.00	1.00	3.134E-02	0.00	0.00
54880000	58.303	9.93408E-02	VRT	CTM	0.793	0.929	1.00	1.00	3.676E-02	0.00	0.00
54890000	58.320	9.92675E-02	VRT	CTM	0.565	0.934	1.00	1.00	4.465E-02	0.00	0.00
54900000	58.338	9.95254E-02	VRT	CTM	0.348	0.941	1.00	1.00	5.561E-02	0.00	0.00
54910000	58.356	0.10013	VRT	CTM	0.217	0.949	1.00	1.00	7.006E-02	0.00	0.00
54920000	58.377	0.10106	VRT	CTM	0.322	0.956	1.00	1.00	8.836E-02	0.00	0.00
54930000	58.403	0.10226	VRT	CTM	1.64	0.961	1.00	1.00	0.110	0.00	0.00
54940000	58.435	0.10390	VRT	CTM	10.2	0.963	1.00	1.00	0.139	0.00	0.00
55000000	58.450	0.10876	VPT	CTM	222.	0.960	1.00	1.00	0.181	0.00	0.00
56010000	58.531	0.11500	HRT	CTM	0.415E+04	0.960	1.00	1.00	0.261	0.00	0.00
56020000	58.641	0.12493	HRT	CTM	7.887E+04	0.961	1.00	1.00	0.358	0.00	0.00
56030000	58.772	0.13937	HRT	TCT	1.299E+06	0.963	1.00	1.00	0.465	0.00	0.00
56040000	58.935	0.15610	HRT	TCT	3.135E+07	0.966	1.00	1.00	0.565	0.00	0.00
56050000	59.130	0.17067	HRT	MST	1.717E+09	0.971	1.00	1.00	0.648	0.00	0.00
56060000	59.343	0.18117	HRT	MST	2.034E+11	0.977	1.00	1.00	0.711	0.00	0.00
56070000	59.558	0.18871	HRT	MST	3.498E+13	0.983	1.00	1.00	0.760	0.00	0.00
56080000	59.764	0.19442	HRT	MST	8.119E+15	0.988	1.00	1.00	0.799	0.00	0.00
56090000	59.956	0.19887	HRT	MST	7.524E+16	0.991	1.00	1.00	0.830	0.00	0.00
56100000	60.123	0.20253	HRT	MST	1.255E+17	0.994	1.00	1.00	0.853	0.00	0.00
56110000	60.261	0.20554	HRT	MST	1.607E+17	0.996	1.00	1.00	0.871	0.00	0.00
56120000	60.366	0.20744	HRT	MST	1.843E+17	0.998	1.00	1.00	0.883	0.00	0.00
56130000	60.441	0.20817	SGP	INV	1.940E+17	0.998	1.00	1.00	0.891	0.00	0.00
56140000	60.492	0.20802	SGP	INV	1.940E+17	0.999	1.00	1.00	0.896	0.00	0.00
56150000	60.523	0.20769	SGP	INV	1.940E+17	0.999	1.00	1.00	0.899	0.00	0.00
56160000	60.531	0.20884	SGP	INV	1.940E+17	1.00	1.00	1.00	0.900	0.00	0.00
56170000	60.788	0.18244	SGP	INV	1.940E+17	1.00	1.00	1.00	0.924	0.00	0.00
56180000	60.967	0.16943	SGP	INV	1.940E+17	1.00	1.00	1.00	0.938	0.00	0.00
56190000	61.053	0.16447	SGP	INV	1.940E+17	1.00	1.00	1.00	0.944	0.00	0.00
56200000	61.088	0.16255	SGP	INV	1.940E+17	1.00	1.00	1.00	0.946	0.00	0.00
56210000	61.103	0.16168	SGP	INV	1.940E+17	1.00	1.00	1.00	0.947	0.00	0.00
56220000	61.110	0.16110	SGP	INV	1.940E+17	1.00	1.00	1.00	0.947	0.00	0.00
56230000	61.115	0.16062	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56240000	61.118	0.16020	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56250000	61.121	0.15983	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56260000	61.124	0.15951	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56270000	61.126	0.15920	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56280000	61.129	0.15888	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56290000	61.132	0.15853	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56300000	61.135	0.15817	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56310000	61.137	0.15779	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56320000	61.140	0.15742	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56330000	61.143	0.15704	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56340000	61.146	0.15668	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
57000000	61.149	0.15632	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58010000	61.152	0.15593	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58020000	61.155	0.15553	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58030000	61.158	0.15514	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58040000	61.160	0.15476	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58050000	61.163	0.15441	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58060000	61.165	0.15409	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
59000000	61.167	0.15379	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
60010000	61.169	0.15348	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
60020000	61.170	0.15328	SGP	INV	1.940E+17	1.00	1.00	1.00	0.947	0.00	0.00
61000000	61.138	0.15522	SGP	INV	1.940E+17	1.00	1.00	1.00	0.945	0.00	0.00
62010000	60.746	0.19237	VRT	MST	0.120	0.999	1.00	1.00	0.912	0.00	0.00
63000000	61.581	0.21302	VRT	TCT	53.5	0.966	0.377	0.377	0.970	0.00	0.00
65000000	61.717	0.20360	HRT	CTB	92.1	0.430	0.000	0.000	0.974	0.00	0.00

67000000	61.719	0.18474	HRT	CTB	55.4	0.138	0.000	0.000	0.974	0.00	0.00
69010000	61.718	0.15830	HRT	CTB	3.968E+14	3.412E-02	0.000	0.000	0.973	0.00	0.00
69020000	61.716	0.10861	SGP	INV	1.940E+17	3.040E-03	0.000	0.000	0.971	0.00	0.00
69030000	61.716	0.10861	HRT	TCT	1.833E+17	3.040E-03	0.000	0.000	0.971	0.00	0.00
70010000	61.715	7.97090E-02	SGP	INV	1.940E+17	7.333E-05	0.000	0.000	0.970	0.00	0.00
70020000	61.715	7.97090E-02	SGP	INV	1.940E+17	7.333E-05	0.000	0.000	0.970	0.00	0.00
72000000	61.714	3.54403E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00
74000000	61.714	4.90560E-02	VRT	SLG	4.15	3.553E-05	0.249	0.249	0.923	0.00	0.00
76010000	54.303	0.62669	HRT	TCT	1.585E+17	0.997	0.941	0.941	0.000	0.00	0.00
76020000	54.044	0.50717	HRT	TCT	1.636E+17	0.997	0.470	0.470	0.000	0.00	0.00
76030000	54.346	0.45417	HRT	TCT	1.657E+17	0.997	0.000	0.000	0.000	0.00	0.00
77000000	54.523	0.42665	HRT	TCT	1.630E+17	0.997	0.997	0.997	0.000	0.00	0.00
78000000	38.870	5.3722	HRT	CTM	0.341	0.971	0.996	0.971	0.000	0.12	0.84
80000000	33.059	8.9348	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
82000000	32.984	8.9562	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00

58010000	61.152	0.15593	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58020000	61.155	0.15553	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58030000	61.158	0.15514	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58040000	61.160	0.15476	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58050000	61.163	0.15441	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58060000	61.165	0.15409	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
59000000	61.167	0.15375	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
60010000	61.169	0.15348	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
60020000	61.170	0.15328	SGP	INV	1.940E+17	1.00	1.00	1.00	0.947	0.00	0.00
61000000	61.138	0.15522	SGP	INV	1.940E+17	1.00	1.00	1.00	0.945	0.00	0.00
62010000	60.746	0.19237	VRT	MST	0.120	0.999	1.00	1.00	0.912	0.00	0.00
63000000	61.581	0.21302	VRT	TCT	83.5	0.966	0.377	0.377	0.970	0.00	0.00
65000000	61.717	0.20360	HRT	CTB	92.1	0.430	0.000	0.000	0.974	0.00	0.00

67000000	61.719	0.18474	HRT	CTB	55.4	0.138	0.000	0.000	0.974	0.00	0.00
69010000	61.718	0.15830	HRT	CTB	3.968E+14	3.412E-02	0.000	0.000	0.973	0.00	0.00
69020000	61.716	0.10861	SGP	INV	1.940E+17	3.040E-03	0.000	0.000	0.971	0.00	0.00
69030000	61.716	0.10861	HRT	TCT	1.833E+17	3.040E-03	0.000	0.000	0.971	0.00	0.00
70010000	61.715	7.97090E-02	SGP	INV	1.940E+17	7.333E-05	0.000	0.000	0.970	0.00	0.00
70020000	61.715	7.97090E-02	SGP	INV	1.940E+17	7.333E-05	0.000	0.000	0.970	0.00	0.00
72000000	61.714	3.54403E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.970	0.00	0.00
74000000	61.714	4.90560E-02	VRT	SLG	4.15	3.553E-05	0.249	0.249	0.923	0.00	0.00
76010000	53.303	0.62669	HRT	TCT	1.585E+17	0.997	0.941	0.941	0.000	0.00	0.00
76020000	54.044	0.50717	HRT	TCT	1.636E+17	0.997	0.470	0.470	0.000	0.00	0.00
76030000	54.346	0.45417	HRT	TCT	1.657E+17	0.997	0.000	0.000	0.000	0.00	0.00
77000000	54.523	0.42665	HRT	TCT	1.630E+17	0.997	0.997	0.997	0.000	0.00	0.00
78000000	38.870	5.3722	HRT	CTM	0.341	0.971	0.996	0.971	0.000	0.12	0.84
80000000	33.059	8.9348	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
82000000	32.984	8.9562	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
83010000	32.984	8.9562	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
84000000	32.970	8.9634	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
85010000	32.970	8.9634	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
86000000	33.042	8.9503	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
88000000	33.026	8.9583	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
90000000	33.024	8.9634	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
91010000	33.017	8.9773	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
91020000	33.020	8.9703	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
92000000	32.897	9.0155	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
94000000	54.289	0.45046	HRT	CTM	1.629E+17	0.997	0.997	0.997	0.000	1.0	2.2
98000000	38.860	5.3777	HRT	CTM	0.260E+04	0.970	0.973	0.970	0.000	0.81	0.83
100000000	33.075	8.9186	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
102000000	33.061	8.9258	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
103010000	33.060	8.9298	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
104000000	33.046	8.9377	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
105010000	33.044	8.9441	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
106000000	33.042	8.9504	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
108000000	33.026	8.9584	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
110000000	33.024	8.9635	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
111010000	33.017	8.9773	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
111020000	33.020	8.9703	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
112000000	32.897	9.0155	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
114010000	53.741	0.52796	HRT	MST	1.21	0.987	1.00	1.00	6.621E-03	0.00	0.00
114020000	53.762	0.52742	HRT	MST	1.35	0.985	1.00	1.00	1.124E-02	0.00	0.00
119000000	53.887	0.51195	HRT	TCT	1.590E+17	0.997	0.000	0.000	0.000	0.00	0.00
120000000	54.105	0.47637	HRT	TCT	1.611E+17	0.997	0.997	0.997	0.000	0.00	0.00
121000000	54.228	0.45925	HRT	STR	6.552E+06	0.997	0.997	0.997	0.000	0.00	0.00
122000000	54.228	0.45925	HRT	TCT	1.625E+17	0.997	0.997	0.997	0.000	2.69E-04	2.69E-0
123000000	53.788	0.52680	HRT	CTM	6.493E-03	0.959	0.964	0.852	1.692E-02	4.91E-03	39.
194000000	54.672	0.40372	HRT	TCT	1.660E+17	0.997	0.997	0.997	4.099E-03	1.0	1.8
195010000	54.369	0.44248	HRT	TCT	1.620E+17	0.997	0.483	0.483	4.937E-03	0.00	0.00
196000000	54.304	0.45171	HRT	TCT	1.607E+17	0.997	0.997	0.997	5.947E-03	0.00	0.00
278000000	33.061	8.9296	HRT	CTM	1.429E+17	1.00	1.00	1.00	0.000	0.37	0.37
298000000	33.076	8.9138	HRT	CTM	1.422E+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)
0.25000	261.12	385.80	209.71	415.11	292.75	404.89	261.32	404.82	261.12
0.25100	260.50	385.71	209.49	415.11	292.76	404.75	260.91	404.61	260.50
0.25200	259.62	385.49	208.94	415.10	292.72	404.52	260.24	404.31	259.62
0.25300	258.56	385.11	208.02	415.06	292.59	404.20	259.32	403.95	258.56
0.25400	257.44	384.60	206.75	414.97	292.31	403.83	258.24	403.56	257.44
0.25500	256.25	383.97	205.22	414.83	291.85	403.42	257.03	403.15	256.25
0.25600	255.03	383.28	203.54	414.64	291.23	402.98	255.76	402.73	255.03
0.25700	253.77	382.54	201.76	414.39	290.45	402.52	254.42	402.29	253.77
0.25800	252.48	381.78	199.95	414.11	289.56	402.03	253.04	401.84	252.48
0.25900	251.22	381.03	198.15	413.81	288.60	401.55	251.64	401.40	251.22

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)
0.25000	261.12	385.80	209.71	415.11	292.75	404.89	261.32	404.82	261.12
0.25100	260.50	385.71	209.49	415.11	292.76	404.75	260.91	404.61	260.50
0.25200	259.62	385.49	208.94	415.10	292.72	404.52	260.24	404.31	259.62
0.25300	258.58	385.11	208.02	415.06	292.59	404.20	259.32	403.95	258.58
0.25400	257.44	384.60	206.75	414.97	292.31	403.83	258.24	403.56	257.44
0.25500	256.25	383.97	205.22	414.83	291.85	403.42	257.03	403.15	256.25
0.25600	255.03	383.28	203.54	414.64	291.23	402.98	255.76	402.73	255.03
0.25700	253.77	382.54	201.76	414.39	290.45	402.52	254.42	402.29	253.77
0.25800	252.48	381.78	199.95	414.11	289.56	402.03	253.04	401.84	252.48
0.25900	251.22	381.03	198.15	413.81	288.60	401.55	251.64	401.40	251.22
0.26000	249.99	380.29	196.40	413.49	287.59	401.07	250.29	400.96	249.99
0.26100	248.71	379.58	194.74	413.17	286.57	400.61	248.97	400.51	248.71
0.26200	247.34	378.86	193.07	412.47	284.37	400.12	247.60	400.03	247.34
0.26300	245.93	378.17	191.48	412.20	283.53	399.60	246.13	399.53	245.93
0.26400	244.59	377.49	189.91	411.90	282.57	399.15	244.86	399.05	244.59
0.26500	243.52	376.75	188.21	411.60	281.63	398.69	243.58	398.67	243.52
0.26600	242.60	376.06	186.65	411.30	280.70	398.26	242.41	398.33	242.60
0.26700	241.70	375.45	185.29	411.00	279.78	397.90	241.40	398.01	241.70
0.26800	240.80	374.93	184.11	410.71	278.89	397.55	240.44	397.68	240.80
0.26900	239.88	374.45	183.05	410.45	278.07	397.21	239.49	397.35	239.88
0.27000	238.96	374.00	182.05	410.20	277.32	396.87	238.57	397.01	238.96
0.27100	238.06	373.57	181.08	409.98	276.65	396.54	237.67	396.69	238.06
0.27200	237.21	373.13	180.13	409.78	276.03	396.22	236.78	396.37	237.21
0.27300	236.64	372.71	179.20	409.60	275.46	395.92	235.99	396.17	236.64
0.27400	236.45	372.35	178.41	409.42	274.93	395.75	235.51	396.09	236.45
0.27500	236.24	372.13	177.93	409.26	274.42	395.69	235.34	396.02	236.24
0.27600	235.77	372.01	177.68	409.11	273.99	395.59	235.08	395.84	235.77
0.27700	235.15	371.89	177.41	409.00	273.62	395.40	234.58	395.61	235.15
0.27800	234.45	371.69	176.98	408.91	273.35	395.18	233.98	395.36	234.45
0.27900	233.61	371.42	176.39	408.83	273.12	394.92	233.28	395.05	233.61
0.28000	232.82	371.06	175.61	408.76	272.90	394.61	232.44	394.75	232.82
0.28100	232.18	370.63	174.68	408.67	272.64	394.31	231.65	394.51	232.18
0.28200	231.63	370.19	173.75	408.57	272.32	394.06	230.97	394.31	231.63
0.28300	231.13	369.79	172.89	408.44	271.94	393.83	230.35	394.12	231.13
0.28400	230.62	369.42	172.10	408.31	271.52	393.61	229.76	393.93	230.62
0.28500	230.10	369.08	171.38	408.17	271.10	393.39	229.18	393.73	230.10
0.28600	229.58	368.76	170.71	408.03	270.68	393.17	228.61	393.54	229.58
0.28700	229.09	368.46	170.07	407.90	270.29	392.97	228.06	393.35	229.09
0.28800	228.63	368.17	169.48	407.78	269.92	392.77	227.55	393.18	228.63
0.28900	228.21	367.91	168.93	407.66	269.57	392.60	227.08	393.02	228.21
0.29000	227.82	367.67	168.42	407.55	269.25	392.43	226.66	392.88	227.82
0.29100	227.45	367.45	167.96	407.45	268.95	392.28	226.26	392.74	227.45
0.29200	227.10	367.25	167.54	407.36	268.67	392.14	225.88	392.60	227.10
0.29300	226.75	367.05	167.14	407.28	268.42	392.00	225.52	392.47	226.75
0.29400	226.41	366.86	166.75	407.20	268.19	391.86	225.16	392.34	226.41
0.29500	226.09	366.68	166.37	407.12	267.97	391.73	224.82	392.22	226.09
0.29600	225.78	366.50	166.00	407.06	267.77	391.61	224.49	392.10	225.78
0.29700	225.49	366.33	165.65	406.99	267.57	391.49	224.17	391.99	225.49
0.29800	225.21	366.16	165.31	406.93	267.39	391.37	223.87	391.88	225.21
0.29900	224.95	366.00	164.97	406.87	267.21	391.26	223.58	391.78	224.95

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)	TEMP 48010000 (DEGF)	P 48010000 (LF/IN2)
0.25000	396.53	258.65	407.23	268.27	383.27	204.47	396.20	239.48	105.52	
0.25100	396.26	257.70	406.72	266.76	382.07	201.77	395.00	236.01	106.35	
0.25200	396.00	256.72	406.26	265.40	380.83	198.99	393.72	232.34	107.17	
0.25300	395.75	255.72	405.84	264.14	379.59	196.20	392.48	228.87	107.99	
0.25400	395.59	254.98	405.49	263.10	378.39	193.45	391.31	225.59	108.79	
0.25500	395.26	253.69	405.23	262.34	377.50	191.56	390.29	222.74	109.52	
0.25600	395.14	252.97	404.99	261.62	376.67	189.71	389.11	219.54	110.12	
0.25700	394.97	252.10	404.68	260.73	375.64	187.41	388.46	217.72	110.50	
0.25800	394.72	250.96	404.30	259.59	374.23	184.30	388.20	216.92	110.87	
0.25900	394.43	249.64	403.82	258.20	372.65	180.82	387.85	215.99	111.52	

0.29200	227.10	367.25	167.54	407.36	267.67	392.14	225.88	392.60	227.10
0.29300	226.75	367.05	167.14	407.28	267.42	392.00	225.52	392.47	226.75
0.29400	226.41	366.86	166.75	407.20	267.18	391.86	225.16	392.34	226.41
0.29500	226.09	366.69	166.37	407.12	267.97	391.73	224.82	392.22	226.09
0.29600	225.78	366.50	166.00	407.06	267.77	391.61	224.49	392.10	225.78
0.29700	225.49	366.33	165.65	406.99	267.57	391.49	224.17	391.99	225.49
0.29800	225.21	366.16	165.31	406.93	267.39	391.37	223.87	391.88	225.21
0.29900	224.95	366.00	164.97	406.87	267.21	391.26	223.58	391.78	224.95

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)
0.25000	396.53	258.65	407.23	268.27	383.27	204.47	396.20	239.48	105.52
0.25100	396.26	257.70	406.72	266.76	382.07	201.77	395.00	236.01	106.35
0.25200	396.00	256.72	406.26	265.40	380.83	198.99	393.72	232.34	107.17
0.25300	395.75	255.72	405.84	264.14	379.59	196.20	392.48	228.87	107.99
0.25400	395.59	254.98	405.47	263.10	378.39	193.45	391.31	225.59	108.79
0.25500	395.26	253.69	405.23	262.34	377.50	191.56	390.29	222.74	109.52
0.25600	395.14	252.97	404.99	261.62	376.67	189.71	389.11	219.54	110.12
0.25700	394.97	252.10	404.68	260.73	375.64	187.41	388.46	217.72	110.50
0.25800	394.72	250.96	404.30	259.59	374.23	184.30	388.20	216.02	110.87
0.25900	394.43	249.64	403.82	258.20	372.65	180.82	387.85	215.90	114.99
0.26000	394.14	248.32	403.28	256.62	371.15	177.56	387.39	214.63	114.58
0.26100	393.88	247.06	402.71	254.99	369.90	174.86	386.85	213.21	113.75
0.26200	393.74	246.12	403.07	256.02	368.51	171.81	386.00	211.02	112.46
0.26300	393.60	245.21	402.60	254.66	367.61	169.89	385.23	209.08	111.08
0.26400	393.45	244.24	402.09	253.19	366.78	168.10	385.19	208.96	110.51
0.26500	393.28	243.22	401.62	251.86	365.96	166.35	384.57	207.46	110.11
0.26600	393.09	242.16	401.20	250.66	365.13	164.59	383.85	205.71	109.95
0.26700	392.91	241.14	400.61	249.56	364.37	162.99	383.05	203.81	109.89
0.26800	392.75	240.21	400.45	248.54	363.62	161.43	382.23	201.89	109.89
0.26900	392.58	239.22	400.18	247.77	362.94	160.01	381.44	200.05	109.92
0.27000	392.56	238.66	400.01	247.30	361.88	157.83	380.64	198.22	109.93
0.27100	392.74	238.69	399.92	247.02	361.44	156.84	379.80	196.31	109.90
0.27200	392.68	238.10	399.86	246.86	360.88	155.70	378.83	194.12	109.78
0.27300	392.52	237.25	399.82	246.77	360.16	154.25	377.69	191.53	109.52
0.27400	392.35	236.37	399.81	246.71	359.38	152.72	376.73	189.38	109.22
0.27500	392.01	235.03	399.80	246.69	358.54	151.05	375.97	187.71	109.05
0.27600	391.95	234.46	399.75	246.68	357.75	149.54	375.26	186.16	109.00
0.27700	391.89	233.91	399.79	246.68	356.97	148.02	374.54	184.58	109.00
0.27800	391.83	233.36	399.79	246.69	356.23	146.62	373.85	183.07	108.97
0.27900	391.79	232.88	399.80	246.69	355.57	145.36	373.25	181.74	108.88
0.28000	391.74	232.36	399.80	246.70	354.94	144.17	372.70	180.55	108.70
0.28100	391.66	231.79	399.80	246.70	354.34	143.03	372.21	179.45	108.44
0.28200	391.58	231.20	399.81	246.71	353.77	141.96	371.74	178.42	108.10
0.28300	391.49	230.64	399.81	246.72	353.24	140.96	371.30	177.44	107.72
0.28400	391.42	230.13	399.81	246.73	352.74	140.04	370.88	176.51	107.30
0.28500	391.37	229.67	399.82	246.74	352.27	139.17	370.49	175.62	106.84
0.28600	391.33	229.27	399.82	246.75	351.83	138.34	370.12	174.80	106.35
0.28700	391.29	228.87	399.82	246.76	351.40	137.56	369.77	174.02	105.85
0.28800	391.25	228.47	399.83	246.77	350.98	136.79	369.45	173.30	105.39
0.28900	391.19	228.07	399.83	246.78	350.58	136.05	369.15	172.62	105.02
0.29000	391.13	227.66	399.83	246.79	350.19	135.34	368.86	171.97	104.75
0.29100	391.08	227.27	399.84	246.80	349.82	134.66	368.59	171.35	104.54
0.29200	391.02	226.90	399.84	246.81	349.46	134.02	368.33	170.76	104.28
0.29300	390.97	226.55	399.85	246.83	349.11	133.40	368.07	170.19	103.91
0.29400	390.93	226.22	399.85	246.84	348.77	132.79	367.83	169.64	103.40
0.29500	390.88	225.90	399.85	246.85	348.44	132.19	367.60	169.12	102.78
0.29600	390.83	225.60	399.86	246.86	348.12	131.62	367.39	168.63	102.07
0.29700	390.79	225.30	399.86	246.87	347.80	131.06	367.18	168.17	101.34
0.29800	390.75	225.02	399.87	246.89	347.49	130.53	366.98	167.72	100.60
0.29900	390.70	224.74	399.87	246.90	347.19	129.99	366.79	167.30	99.893

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)
0.25000	240.30	1.2764	331.08	319.74	90.386	314.78	84.237	314.78	84.237
0.25100	237.02	1.2517	331.66	320.30	91.100	315.04	84.554	315.04	84.554
0.25200	233.66	1.2288	332.25	320.89	91.862	315.36	84.940	315.36	84.940
0.25300	230.40	1.2073	332.83	321.52	92.665	315.74	85.397	315.74	85.397
0.25400	227.27	1.1860	333.40	322.19	93.521	316.18	85.935	316.18	85.935
0.25500	224.47	1.1643	333.92	322.92	94.445	316.68	86.558	316.68	86.558
0.25600	220.99	1.1414	334.36	323.70	95.450	317.26	87.268	317.26	87.268
0.25700	219.34	1.1309	334.66	324.54	96.532	317.90	88.068	317.90	88.068
0.25800	218.01	1.1236	334.94	325.40	97.659	318.61	88.961	318.61	88.961
0.25900	216.63	1.1120	337.69	326.26	98.787	319.39	89.949	319.39	89.740

0.29200	391.02	226.55	399.84	246.81	349.46	133.02	368.33	170.76	104.28
0.29300	390.97	226.55	399.85	246.83	349.11	133.40	368.07	170.19	103.91
0.29400	390.93	226.22	399.85	246.84	348.77	132.70	367.43	169.64	103.40
0.29500	390.88	225.90	399.85	246.85	348.44	132.19	367.60	169.12	102.70
0.29600	390.83	225.60	399.86	246.84	348.12	131.62	367.39	168.63	102.07
0.29700	390.79	225.30	399.86	246.87	347.80	131.06	367.18	168.17	101.34
0.29800	390.75	225.02	399.87	246.89	347.49	130.53	366.98	167.72	100.60
0.29900	390.70	224.74	399.87	246.90	347.19	129.99	366.77	167.30	99.893

TIME (SEC)	P 114020000 (LF/IN2)	RHO 114020000 (LB/FT3)	TEMP 48010000 (DEGF)	TEMP 48080000 (DEGF)	P 48050000 (LF/IN2)	TEMP 52010000 (DEGF)	P 52010000 (LF/IN2)	TEMP 52010000 (DEGF)	P 52010000 (LF/IN2)
0.25000	240.30	1.2764	331.08	319.74	90.386	314.78	84.237	314.78	84.237
0.25100	237.02	1.2517	331.66	320.30	91.100	315.04	84.554	315.04	84.554
0.25200	233.66	1.2288	332.25	320.89	91.862	315.36	84.940	315.36	84.940
0.25300	230.40	1.2073	332.83	321.52	92.665	315.74	85.397	315.74	85.397
0.25400	227.27	1.1860	333.40	322.19	93.521	316.18	85.935	316.18	85.935
0.25500	224.47	1.1643	333.92	322.92	94.445	316.68	86.558	316.68	86.558
0.25600	220.99	1.1414	334.36	323.70	95.450	317.26	87.268	317.26	87.268
0.25700	219.34	1.1309	334.66	324.54	96.532	317.90	88.068	317.90	88.068
0.25800	218.01	1.1236	334.94	325.40	97.659	318.61	88.961	318.61	88.961
0.25900	216.63	1.1150	337.69	326.26	98.787	319.39	89.949	319.39	89.949
0.26000	215.16	1.0923	337.46	326.95	99.696	320.23	91.026	320.23	91.026
0.26100	213.61	1.0639	336.95	327.56	100.50	321.12	92.169	321.12	92.169
0.26200	211.53	1.0379	336.13	328.28	101.46	322.05	93.363	322.05	93.363
0.26300	210.67	0.98103	335.24	328.89	102.27	322.95	94.528	322.95	94.528
0.26400	208.70	0.92480	334.67	329.36	102.89	323.84	95.678	323.84	95.678
0.26500	207.70	0.87916	334.61	329.44	102.94	324.68	96.778	324.68	96.778
0.26600	206.13	0.83747	334.50	329.37	102.80	325.43	97.749	325.43	97.749
0.26700	204.32	0.80042	334.46	329.31	102.66	325.99	98.476	325.99	98.476
0.26800	202.46	0.76806	334.44	329.38	102.72	326.36	98.940	326.36	98.940
0.26900	200.60	0.73991	334.44	329.37	102.66	326.60	99.220	326.60	99.220
0.27000	198.72	0.71526	334.43	329.46	102.75	326.75	99.388	326.75	99.388
0.27100	196.78	0.69347	334.39	329.76	103.15	326.91	99.549	326.91	99.549
0.27200	194.46	0.67310	334.28	329.83	103.22	327.05	99.700	327.05	99.700
0.27300	192.06	0.65466	334.08	330.42	104.04	327.13	99.761	327.13	99.761
0.27400	189.94	0.63878	333.85	330.51	104.17	327.08	99.650	327.08	99.650
0.27500	188.13	0.62521	333.71	330.56	104.24	327.11	99.644	327.11	99.644
0.27600	186.49	0.61337	333.66	330.46	104.10	327.14	99.644	327.14	99.644
0.27700	184.89	0.60270	333.63	330.35	103.95	327.24	99.740	327.24	99.740
0.27800	183.39	0.59322	333.60	330.20	103.76	327.12	99.537	327.12	99.537
0.27900	182.02	0.58489	333.52	330.06	103.58	326.90	99.203	326.90	99.203
0.28000	180.80	0.57756	333.39	329.91	103.40	326.87	99.136	326.87	99.136
0.28100	179.67	0.57104	333.21	329.73	103.17	326.52	98.639	326.52	98.639
0.28200	178.62	0.56514	332.98	329.50	102.88	326.34	98.370	326.34	98.370
0.28300	177.62	0.55975	332.72	329.21	102.50	326.36	101.15	326.36	101.15
0.28400	176.68	0.55477	332.44	328.89	102.08	327.85	100.44	327.85	100.44
0.28500	175.79	0.55016	332.14	328.59	101.69	327.63	100.15	327.63	100.15
0.28600	174.95	0.54586	331.81	328.41	101.45	327.09	99.410	327.09	99.410
0.28700	174.17	0.54184	331.48	328.29	101.32	326.50	98.624	306.50	98.624
0.28800	173.43	0.53802	331.17	328.15	101.13	325.89	97.813	325.89	97.813
0.28900	172.75	0.53438	330.92	327.89	100.78	325.33	97.071	325.33	97.071
0.29000	172.09	0.53088	330.75	327.52	100.27	324.79	96.376	324.79	96.376
0.29100	171.47	0.52747	330.62	327.07	99.655	324.28	95.709	324.28	95.709
0.29200	170.87	0.52413	330.46	326.60	99.004	323.79	95.085	323.79	95.085
0.29300	170.30	0.52085	330.22	326.13	98.358	323.35	94.527	323.35	94.527
0.29400	169.75	0.51765	329.87	325.67	97.722	322.97	94.042	322.97	94.042
0.29500	169.23	0.51452	329.44	325.21	97.084	322.63	93.616	322.63	93.616
0.29600	168.74	0.51148	328.96	324.74	96.437	322.31	93.219	322.31	93.219
0.29700	168.27	0.50851	328.45	324.27	95.785	322.00	92.816	322.00	92.816
0.29800	167.82	0.50562	327.94	323.80	95.141	321.66	92.386	321.66	92.386
0.29900	167.39	0.50280	327.44	323.34	94.516	321.30	91.925	321.30	91.925

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)
0.25000	277.94	48.118	354.23	47.841	209.71	203.68	0.59279	384.24	0.58189
0.25100	278.35	48.434	355.57	48.135	209.49	205.75	0.59221	384.19	0.58155
0.25200	278.69	48.690	357.03	48.456	209.94	205.43	0.59077	384.05	0.58072
0.25300	278.93	48.872	358.61	48.801	209.02	204.87	0.58838	383.83	0.57932
0.25400	279.06	48.962	360.29	49.172	206.75	204.11	0.58512	383.51	0.57738
0.25500	279.04	49.938	362.07	49.566	205.22	203.18	0.58120	383.13	0.57497
0.25600	278.88	48.814	363.95	49.983	203.54	202.12	0.57684	382.69	0.57222
0.25700	278.66	48.635	365.93	50.423	201.76	200.98	0.57225	382.21	0.56923
0.25800	278.46	48.468	367.97	50.879	199.95	199.78	0.56753	381.71	0.56607
0.25900	278.34	48.372	370.07	51.349	198.15	198.56	0.56279	381.20	0.56280

0.29200	170.87	0.52400	330.46	326.60	99.004	323.79	95.085	323.79	95.085
0.29300	170.30	0.52085	330.22	326.13	98.358	323.35	94.527	323.35	94.527
0.29400	169.75	0.51765	329.87	325.67	97.722	322.97	94.042	322.97	94.042
0.29500	169.23	0.51452	329.44	325.21	97.084	322.63	93.616	322.63	93.616
0.29600	168.74	0.51148	328.96	324.74	96.437	322.31	93.219	322.31	93.219
0.29700	168.27	0.50851	328.45	324.27	95.785	322.00	92.816	322.00	92.816
0.29800	167.82	0.50562	327.94	323.80	95.141	321.66	92.386	321.66	92.386
0.29900	167.39	0.50280	327.44	323.34	94.516	321.30	91.925	321.30	91.925

TIME (SEC)	TEMP 54500000 (DEGF)	P 54500000 (LB/IN2)	TEMP 60010000 (DEGF)	P 60010000 (LB/IN2)	P 97010000 (LB/IN2)	P 95010000 (LB/IN2)	RHO 97010000 (LB/FT3)	TEMP 95010000 (DEGF)	RHO 95010000 (LB/FT3)
0.25000	277.94	48.118	354.23	47.841	209.71	205.88	0.59279	384.24	0.58189
0.25100	278.35	48.434	355.57	48.125	209.49	205.75	0.59221	384.19	0.58155
0.25200	278.69	48.690	357.03	48.456	209.94	205.43	0.59077	384.05	0.58072
0.25300	278.93	48.872	358.61	48.801	209.02	204.87	0.58838	383.83	0.57932
0.25400	279.06	48.962	360.29	49.172	206.75	204.11	0.58512	383.51	0.57738
0.25500	279.04	48.938	362.07	49.566	205.22	203.18	0.58120	383.13	0.57497
0.25600	278.88	48.814	363.95	49.983	203.54	202.12	0.57684	382.69	0.57222
0.25700	278.66	48.635	365.93	50.423	201.76	200.98	0.57225	382.21	0.56923
0.25800	278.46	48.468	367.97	50.879	199.95	199.78	0.56753	381.71	0.56607
0.25900	278.34	48.372	370.07	51.349	198.15	198.56	0.56279	381.20	0.56280
0.26000	278.35	48.379	372.21	51.832	196.40	197.36	0.55817	380.69	0.55953
0.26100	278.50	48.491	374.40	52.329	194.74	196.19	0.55374	380.19	0.55633
0.26200	278.75	48.687	376.64	52.838	193.07	195.00	0.54920	379.69	0.55305
0.26300	279.12	48.972	378.89	53.352	191.48	193.79	0.54496	379.17	0.54973
0.26400	279.75	49.465	381.12	53.862	189.91	192.82	0.54077	378.75	0.54701
0.26500	280.16	49.790	383.27	54.356	188.21	191.62	0.53639	378.24	0.54382
0.26600	280.28	49.888	385.32	54.829	186.65	190.49	0.53219	377.74	0.54075
0.26700	280.36	49.952	387.29	55.287	185.29	189.49	0.52839	377.31	0.53790
0.26800	280.44	50.019	389.22	55.743	184.11	188.61	0.52505	376.92	0.53528
0.26900	280.54	50.092	391.16	56.208	183.05	187.80	0.52204	376.57	0.53287
0.27000	280.63	50.165	393.17	56.684	182.05	187.03	0.51922	376.23	0.53061
0.27100	280.73	50.250	395.16	57.161	181.08	186.30	0.51652	375.90	0.52847
0.27200	280.90	50.383	397.13	57.638	180.13	185.57	0.51391	375.58	0.52639
0.27300	281.22	50.641	399.51	58.266	179.20	184.88	0.51136	375.27	0.52440
0.27400	281.72	51.044	403.06	59.171	178.41	184.27	0.50920	375.00	0.52267
0.27500	282.26	51.481	406.24	59.867	177.93	183.88	0.50782	374.83	0.52152
0.27600	282.78	51.908	406.96	59.942	177.68	183.68	0.50706	374.74	0.52085
0.27700	283.28	52.324	406.32	59.781	177.41	183.45	0.50624	374.64	0.52014
0.27800	283.74	52.706	406.37	59.845	176.98	183.11	0.50504	374.48	0.51915
0.27900	284.15	53.046	407.77	60.263	176.39	182.67	0.50343	374.28	0.51792
0.28000	284.51	53.348	410.84	61.106	175.61	182.11	0.50136	374.03	0.51639
0.28100	284.84	53.626	414.88	62.121	174.68	181.46	0.49892	373.74	0.51464
0.28200	285.15	53.893	417.92	62.831	173.75	180.81	0.49648	373.44	0.51288
0.28300	285.47	54.161	419.71	63.269	172.89	180.21	0.49421	373.17	0.51125
0.28400	285.79	54.439	421.35	63.702	172.10	179.65	0.49212	372.92	0.50975
0.28500	286.13	54.735	423.10	64.158	171.38	179.13	0.49021	372.68	0.50835
0.28600	286.51	55.056	424.76	64.585	170.71	178.64	0.48839	372.46	0.50702
0.28700	286.91	55.408	426.29	64.983	170.07	178.17	0.48668	372.24	0.50572
0.28800	287.35	55.796	427.75	65.367	169.48	177.72	0.48507	372.03	0.50449
0.28900	287.84	56.222	429.20	65.752	168.93	177.31	0.48357	371.84	0.50333
0.29000	288.36	56.686	430.67	66.143	168.42	176.93	0.48220	371.67	0.50227
0.29100	288.93	57.186	432.13	66.532	167.96	176.58	0.48094	371.51	0.50131
0.29200	289.52	57.714	433.55	66.910	167.54	176.25	0.47978	371.36	0.50040
0.29300	290.12	58.263	434.91	67.273	167.14	175.95	0.47869	371.22	0.49954
0.29400	290.74	58.822	436.21	67.623	166.75	175.66	0.47763	371.08	0.49874
0.29500	291.35	59.385	437.53	67.988	166.37	175.37	0.47660	370.95	0.49795
0.29600	291.96	59.945	438.98	68.387	166.00	175.10	0.47560	370.82	0.49719
0.29700	292.55	60.497	440.49	68.803	165.65	174.83	0.47464	370.70	0.49646
0.29800	293.13	61.038	442.08	69.245	165.31	174.58	0.47372	370.58	0.49575
0.29900	293.69	61.567	443.82	69.734	164.97	174.33	0.47282	370.47	0.49509

TIME (SEC)	MFLOWJ 114020000 (LB/SEC)	MFLOWJ 94000000 (LB/SEC)	TEMP 114030000 (DEGF)	P 114030000 (LB/IN2)	P 114020000 (LB/IN2)	P 48010000 (LB/IN2)	P 195020000 (LB/IN2)	TEMP 195020000 (DEGF)	MFLOWJ 194000000 (LB/SEC)
0.25000	55.503	109.06	396.20	239.48	240.30	105.52	182.68	374.02	99.481
0.25100	57.545	109.02	395.00	236.01	237.02	106.35	181.18	373.27	98.397
0.25200	60.556	108.90	393.72	232.34	233.66	107.17	179.81	372.56	97.920
0.25300	64.379	108.68	392.48	228.67	230.40	107.99	178.51	371.90	97.872
0.25400	65.051	108.37	391.31	225.59	227.27	108.79	175.65	370.51	97.751
0.25500	74.216	107.98	390.29	222.74	224.47	109.52	178.45	371.77	100.76
0.25600	78.078	107.53	389.11	219.54	220.99	110.12	178.20	371.58	104.34
0.25700	83.822	107.03	388.46	217.72	219.34	110.50	176.74	370.88	104.29
0.25800	88.958	106.49	388.20	216.92	218.01	110.87	174.80	369.96	103.28
0.25900	92.507	105.94	387.85	215.90	216.63	114.99	172.65	368.93	101.73

0.29200	289.52	57.714	433.55	66.910	167.54	176.25	0.47978	371.36	0.50040
0.29300	290.12	58.263	434.91	67.273	167.14	175.95	0.47869	371.22	0.49954
0.29400	290.74	58.822	436.21	67.623	166.75	175.66	0.47763	371.08	0.49874
0.29500	291.35	59.385	437.53	67.988	166.37	175.37	0.47660	370.95	0.49795
0.29600	291.96	59.945	438.98	68.387	166.00	175.10	0.47560	370.82	0.49719
0.29700	292.55	60.497	440.49	68.803	165.65	174.83	0.47464	370.70	0.49646
0.29800	293.13	61.038	442.08	69.245	165.31	174.58	0.47372	370.58	0.49575
0.29900	293.69	61.567	443.82	69.734	164.97	174.33	0.47282	370.47	0.49509

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)
0.25000	55.503	109.06	396.20	239.48	240.30	105.52	182.68	374.02	99.481
0.25100	57.545	109.02	395.00	236.01	237.02	106.35	181.18	373.27	98.397
0.25200	60.556	108.90	393.72	232.34	233.66	107.17	179.81	372.56	97.920
0.25300	64.379	108.68	392.48	228.87	230.40	107.99	178.51	371.90	97.872
0.25400	69.051	108.37	391.31	225.59	227.27	108.79	175.65	370.51	97.751
0.25500	74.216	107.98	390.29	222.74	224.47	109.52	178.45	371.77	100.76
0.25600	78.078	107.53	389.11	219.54	220.99	110.12	178.20	371.58	104.34
0.25700	83.822	107.03	388.46	217.72	219.34	110.50	176.74	370.88	104.29
0.25800	88.958	106.49	388.20	216.92	218.01	110.87	174.80	369.96	103.28
0.25900	92.507	105.94	387.85	215.90	216.63	114.99	172.65	368.93	101.73
0.26000	94.555	105.37	387.39	214.63	215.16	114.58	170.53	367.90	100.17
0.26100	95.261	104.82	386.85	213.21	213.61	113.75	168.72	367.02	98.793
0.26200	94.696	104.15	386.00	211.02	211.53	112.46	167.08	366.23	96.570
0.26300	101.53	103.55	385.23	209.08	210.67	111.08	165.71	365.58	95.665
0.26400	94.405	103.12	385.19	208.96	208.70	110.51	164.56	365.05	94.781
0.26500	89.258	102.56	384.57	207.46	207.70	110.11	163.53	364.56	93.991
0.26600	85.812	102.03	383.85	205.71	206.13	109.95	162.37	364.01	93.087
0.26700	83.077	101.54	383.05	203.81	204.32	109.89	161.19	363.45	92.172
0.26800	81.045	101.10	382.23	201.89	202.46	109.89	160.09	362.93	91.344
0.26900	79.484	100.70	381.44	200.05	200.60	109.92	158.95	362.39	90.513
0.27000	78.083	100.31	380.64	198.22	198.72	109.93	157.83	361.84	89.729
0.27100	76.842	99.945	379.80	196.31	196.78	109.90	155.31	360.60	88.375
0.27200	75.254	99.591	378.83	194.12	194.46	109.78	154.29	360.12	88.075
0.27300	73.997	99.245	377.69	191.53	192.06	109.52	153.44	359.72	87.735
0.27400	73.634	98.941	376.73	189.38	189.94	109.22	152.32	359.16	87.059
0.27500	73.166	98.738	375.97	187.71	188.13	109.05	151.07	358.52	86.271
0.27600	72.517	98.630	375.26	186.16	186.49	109.00	149.71	357.83	85.464
0.27700	71.826	98.516	374.54	184.58	184.89	109.00	148.65	357.28	84.634
0.27800	71.309	98.346	373.85	183.07	183.39	108.97	147.68	356.78	84.179
0.27900	70.910	98.132	373.25	181.74	182.02	108.88	146.65	356.24	83.600
0.28000	70.508	97.871	372.70	180.55	180.80	108.70	145.95	355.88	82.944
0.28100	70.116	97.566	372.21	179.45	179.67	108.44	145.04	355.41	82.505
0.28200	69.729	97.261	371.74	178.42	178.62	108.10	144.22	354.98	82.029
0.28300	69.349	96.984	371.30	177.44	177.62	107.72	143.45	354.58	81.511
0.28400	68.985	96.729	370.88	176.51	176.68	107.30	142.71	354.19	81.021
0.28500	68.643	96.491	370.49	175.62	175.79	106.84	142.04	353.84	80.549
0.28600	68.320	96.264	370.12	174.80	174.95	106.35	141.42	353.52	80.105
0.28700	68.008	96.044	369.77	174.02	174.17	105.85	140.85	353.22	79.685
0.28800	67.703	95.833	369.45	173.30	173.43	105.39	140.29	352.92	79.279
0.28900	67.409	95.635	369.15	172.62	172.75	105.02	139.75	352.64	78.884
0.29000	67.116	95.455	368.86	171.97	172.09	104.75	139.23	352.37	78.505
0.29100	66.819	95.290	368.59	171.35	171.47	104.54	138.74	352.11	78.141
0.29200	66.529	95.134	368.33	170.76	170.87	104.28	138.29	351.86	77.799
0.29300	66.240	94.991	368.07	170.19	170.30	103.91	137.88	351.64	77.477
0.29400	65.963	94.851	367.83	169.64	169.75	103.40	137.47	351.43	77.171
0.29500	65.701	94.715	367.60	169.12	169.23	102.78	137.08	351.22	76.881
0.29600	65.442	94.586	367.39	168.63	168.74	102.07	136.72	351.03	76.606
0.29700	65.189	94.461	367.18	168.17	168.27	101.34	136.37	350.84	76.347
0.29800	64.944	94.341	366.98	167.72	167.82	100.60	136.05	350.67	76.103
0.29900	64.706	94.226	366.79	167.30	167.39	99.893	135.75	350.50	75.876

ATTEMPTED ADV: TOT.= 1244 EDIT= 177 KIN.DT= 2.500000E-04 SEC LAST DT= 2.500000E-04 SEC MS.ERR= -21.7347 LB
 REPEATED ADV: TOT.= 61 EDIT= 0 MAX.DT= 5.000000E-04 SEC CRNT.DT= 4.170636E-04 SEC TOT.MS= 38987.1 LB
 SUCCESSFUL ADV: TOT.= 1183 EDIT= 177 AVG.DT= 2.824859E-04 SEC ERR.EST= 1.011979E-05 M.PATN= -5.574835E-04
 REQUESTED ADV: TOT.= 300 EDIT= 50 REQ.DT= 1.000000E-03 SEC CPU= 275.119 SEC TIME= 0.300000 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	TEMP (DEGF)	TEMP (DEGF)	TEMP (DEGF)	VOL. FLAG
C-001	TMDPVOL COMPONENT									
1010000	2716.6	1011.5	1.0000	0.00000	1.0000	1.0000	680.44	680.44	680.44	10
C-36	PIPE COMPONENT									
36010000	267.04	958.93	0.80374	0.00000	0.78574	0.99720	406.82	376.77	406.82	10
36020000	216.71	946.69	0.78668	0.00000	0.77688	0.99756	388.58	370.76	388.58	10

0.29200	66.529	95.194	368.33	170.76	170.87	104.28	138.29	351.86	77.799
0.29300	66.240	94.991	368.07	170.19	170.30	103.91	137.88	351.64	77.477
0.29400	65.963	94.851	367.83	169.64	169.75	103.40	137.47	351.43	77.171
0.29500	65.701	94.715	367.60	169.12	169.23	102.78	137.08	351.22	76.881
0.29600	65.442	94.586	367.39	168.63	168.74	102.07	136.72	351.03	76.606
0.29700	65.189	94.461	367.18	168.17	168.27	101.34	136.37	350.84	76.347
0.29800	64.944	94.341	366.98	167.72	167.82	100.60	136.05	350.67	76.103
0.29900	64.706	94.226	366.79	167.30	167.39	99.893	135.75	350.50	75.876

ATTEMPTED ADV: TOT.= 1244 EDIT= 177 MIN.DT= 2.500000E-04 SEC LAST DT= 2.500000E-04 SEC MS.ERR= -21.7347 LB
 REPEATED ADV: TOT.= 61 EDIT= 0 MAX.DT= 5.000000E-04 SEC CRNT.DT= 4.170636E-04 SEC TOT.MS= 38987.1 LB
 SUCCESSFUL ADV: TOT.= 1183 EDIT= 177 AVG.DT= 2.824859E-04 SEC ERR.EST= 1.011979E-05 M.P/TN= -5.574835E-04
 REQUESTED ADV: TOT.= 300 EDIT= 50 REQ.DT= 1.000000E-03 SEC CPU= 275.119 SEC TIME= 0.300000 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.	EGU. QUAL.	VOIDG	TEMPF (DEGF)	TEMPG (DEGF)	TEMPE (DEGF)	VOL. FLAG
C-001	TMDPVOL COMPONENT									
1010000	2716.6	1011.5	1.0000	0.00000	1.0000	1.0000	680.44	680.44	680.44	10
C-36	PIPE COMPONENT									
36010000	267.04	958.93	0.80374	0.00000	0.78574	0.99720	406.82	376.77	406.82	10
36020000	216.71	946.69	0.78668	0.00000	0.77698	0.99756	388.59	370.76	388.59	10
36030000	198.06	941.04	0.77797	0.00000	0.77292	0.99769	380.99	371.32	380.99	10
C-38	PIPE COMPONENT									
38010000	224.69	953.34	0.78455	7.94238E-10	0.78453	0.99751	391.68	391.65	391.68	0
38020000	224.65	954.93	0.78669	4.39055E-08	0.78666	0.99755	391.67	391.62	391.67	0
38030000	224.62	957.29	0.78984	1.19710E-06	0.78982	0.99759	391.66	391.61	391.66	0
38040000	224.59	959.33	0.79257	1.89189E-05	0.79254	0.99763	391.65	391.60	391.65	0
38050000	224.56	959.28	0.79274	1.86394E-04	0.79271	0.99763	391.62	391.58	391.62	0
38060000	224.54	951.99	0.78423	1.17146E-03	0.78420	0.99751	391.54	391.49	391.54	0
38070000	224.51	911.53	0.73442	4.53829E-03	0.73441	0.99673	391.25	391.21	391.25	0
C-40	SNGLVOL COMPONENT									
40010000	224.89	953.30	0.78445	0.00000	0.78445	0.99751	391.76	391.76	391.76	0
C-42	SNGLVOL COMPONENT									
42010000	224.48	843.26	0.65068	1.03322E-02	0.65067	0.99514	390.66	390.64	390.66	0
C-44	BRANCH COMPONENT									
44010000	129.49	904.40	0.74677	1.88412E-03	0.74390	0.99822	346.90	340.39	346.90	0
C-46	PIPE COMPONENT									
46010000	166.46	921.90	0.75694	2.07411E-03	0.75695	0.99786	366.58	366.58	366.58	0
46020000	167.77	917.84	0.75185	2.45774E-03	0.75185	0.99778	367.18	367.18	367.18	0
46030000	167.70	912.83	0.74593	2.89502E-03	0.74591	0.99771	367.11	367.06	367.11	0
C-48	PIPE COMPONENT									
48010000	99.225	894.91	0.74496	4.51300E-03	0.74497	0.99863	326.97	326.98	326.97	0
48020000	95.526	890.24	0.74106	4.76874E-03	0.74089	0.99866	324.22	323.81	324.22	0
48030000	94.974	887.30	0.73785	5.02630E-03	0.73777	0.99864	323.79	323.60	323.79	0
48040000	94.721	884.57	0.73480	5.28475E-03	0.73480	0.99862	323.58	323.58	323.58	0
48050000	94.504	881.89	0.73188	5.54217E-03	0.73188	0.99861	323.40	323.40	323.40	0
48060000	94.301	879.22	0.72896	5.79594E-03	0.72896	0.99859	323.23	323.23	323.23	0
48070000	94.106	876.51	0.72598	6.04261E-03	0.72598	0.99857	323.06	323.06	323.06	0
48080000	93.919	873.71	0.72286	6.27773E-03	0.72287	0.99855	322.90	322.90	322.90	0
48090000	93.737	870.75	0.71954	6.49573E-03	0.71954	0.99853	322.75	322.75	322.75	0
C-50	PIPE COMPONENT									
50010000	92.470	867.49	0.71626	6.69316E-03	0.71626	0.99852	321.76	321.76	321.76	0
50020000	92.146	863.81	0.71206	6.85764E-03	0.71206	0.99850	321.50	321.50	321.50	0
50030000	91.955	859.78	0.70732	6.98120E-03	0.70732	0.99847	321.34	321.34	321.34	0
50040000	91.782	855.24	0.70189	7.05593E-03	0.70189	0.99843	321.20	321.20	321.20	0
50050000	91.612	850.09	0.69565	7.07497E-03	0.69565	0.99839	321.06	321.06	321.06	0
C-52	SNGLVOL COMPONENT									
52010000	91.443	844.57	0.68889	7.03850E-03	0.68889	0.99834	320.93	320.93	320.93	0
C-54	PIPE COMPONENT									
54010000	87.269	837.89	0.68245	6.93475E-03	0.68245	0.99836	317.63	317.64	317.63	0
54020000	86.428	830.03	0.67304	6.76852E-03	0.67302	0.99831	316.96	316.88	316.96	0
54030000	86.144	821.59	0.66256	6.54324E-03	0.66254	0.99823	316.74	316.70	316.74	0
54040000	85.946	812.18	0.65081	6.26535E-03	0.65081	0.99814	316.59	316.56	316.59	0
54050000	85.757	801.60	0.63757	5.94302E-03	0.63756	0.99804	316.45	316.43	316.45	0
54060000	85.560	789.43	0.62235	5.58442E-03	0.62235	0.99791	316.30	316.29	316.30	0
54070000	85.351	774.92	0.60425	5.19565E-03	0.60425	0.99775	316.15	316.15	316.15	0

54080000	85.125	756.80	0.58171	4.77907E-03	0.58171	0.99754	315.98	315.98	315.98	0
54090000	84.881	733.26	0.55253	4.33327E-03	0.55253	0.99724	315.80	315.81	315.80	0
54100000	84.613	702.39	0.51436	3.85628E-03	0.51437	0.99679	315.59	315.61	315.59	0
54110000	84.315	663.10	0.46590	3.35228E-03	0.46590	0.99612	315.36	315.36	315.36	0
54120000	84.002	616.14	0.40806	2.83633E-03	0.40808	0.99512	315.13	315.11	315.11	0
54130000	83.634	564.08	0.34411	2.33064E-03	0.34411	0.99362	314.81	314.82	314.82	0
54140000	83.189	512.14	0.28044	1.87238E-03	0.28045	0.99148	314.45	314.45	314.45	0
54150000	81.904	476.47	0.23761	1.57678E-03	0.23761	0.98953	313.37	313.37	313.37	0
54160000	81.864	462.89	0.22096	1.48210E-03	0.22096	0.98851	313.33	313.33	313.33	0
54170000	81.536	456.98	0.21403	1.46780E-03	0.21403	0.98809	313.05	313.05	313.05	0
54180000	81.098	453.89	0.21067	1.49301E-03	0.21067	0.98791	312.66	312.66	312.66	0
54190000	80.583	450.86	0.20750	1.53275E-03	0.20750	0.98775	312.21	312.21	312.21	0
54200000	80.018	446.98	0.20334	1.57570E-03	0.20334	0.98753	311.70	311.70	311.70	0
54210000	79.421	442.24	0.19818	1.61785E-03	0.19818	0.98722	311.17	311.17	311.17	0
54220000	78.801	436.95	0.19238	1.65825E-03	0.19238	0.98684	310.61	310.61	310.61	0

50020000	92.146	863.81	0.71206	6.85764E-03	0.71206	0.99850	321.50	321.50	321.50	0
50030000	91.955	859.78	0.70732	6.98120E-03	0.70732	0.99847	321.34	321.34	321.34	0
50040000	91.782	855.24	0.70189	7.05593E-03	0.70189	0.99843	321.20	321.20	321.20	0
50050000	91.612	850.09	0.69565	7.07497E-03	0.69565	0.99839	321.06	321.06	321.06	0
C-52	SNGLVOL	COMPONENT								
52010000	91.443	844.57	0.68889	7.03850E-03	0.68889	0.99834	320.93	320.93	320.93	0
C-54	PIPE	COMPONENT								
54010000	87.269	837.89	0.68245	6.93475E-03	0.68245	0.99836	317.63	317.64	317.63	0
54020000	86.428	830.03	0.67304	6.76852E-03	0.67302	0.99831	316.96	316.88	316.96	0
54030000	86.144	821.59	0.66256	6.54324E-03	0.66254	0.99823	316.74	316.70	316.74	0
54040000	85.946	812.18	0.65081	6.26535E-03	0.65081	0.99814	316.59	316.56	316.59	0
54050000	85.757	801.60	0.63757	5.94302E-03	0.63756	0.99804	316.45	316.43	316.45	0
54060000	85.560	789.43	0.62235	5.58442E-03	0.62235	0.99791	316.30	316.29	316.30	0
54070000	85.351	774.92	0.60425	5.19565E-03	0.60425	0.99775	316.15	316.15	316.15	0

54080000	85.125	756.80	0.58171	4.77907E-03	0.58171	0.99754	315.98	315.98	315.98	0
54090000	84.881	733.26	0.55253	4.33327E-03	0.55253	0.99724	315.80	315.81	315.80	0
54100000	84.613	702.39	0.51436	3.85628E-03	0.51437	0.99679	315.59	315.61	315.59	0
54110000	84.315	663.10	0.46590	3.35228E-03	0.46590	0.99612	315.36	315.36	315.36	0
54120000	84.002	616.14	0.40806	2.83633E-03	0.40808	0.99512	315.13	315.11	315.11	0
54130000	83.634	564.08	0.34411	2.33064E-03	0.34411	0.99362	314.81	314.82	314.82	0
54140000	83.188	512.14	0.28044	1.87238E-03	0.28045	0.99148	314.45	314.45	314.45	0
54150000	81.904	476.47	0.23761	1.57678E-03	0.23761	0.98953	313.37	313.37	313.37	0
54160000	81.864	462.89	0.22096	1.48210E-03	0.22096	0.98851	313.33	313.33	313.33	0
54170000	81.536	456.98	0.21403	1.46780E-03	0.21403	0.98809	313.05	313.05	313.05	0
54180000	81.098	453.89	0.21067	1.49301E-03	0.21068	0.98791	312.66	312.66	312.66	0
54190000	80.583	450.86	0.20750	1.53275E-03	0.20750	0.98775	312.21	312.21	312.21	0
54200000	80.018	446.98	0.20334	1.57570E-03	0.20334	0.98753	311.70	311.70	311.70	0
54210000	79.421	442.24	0.19818	1.61785E-03	0.19818	0.98722	311.17	311.17	311.17	0
54220000	78.801	436.95	0.19238	1.65825E-03	0.19238	0.98684	310.61	310.61	310.61	0
54230000	78.160	431.42	0.18631	1.69689E-03	0.18631	0.98642	310.02	310.02	310.02	0
54240000	77.497	425.88	0.18026	1.73379E-03	0.18026	0.98598	309.42	309.42	309.42	0
54250000	76.816	420.49	0.17442	1.76884E-03	0.17442	0.98554	308.79	308.79	308.79	0
54260000	76.117	415.33	0.16889	1.80183E-03	0.16889	0.98511	308.14	308.14	308.14	0
54270000	75.403	410.45	0.16371	1.83250E-03	0.16371	0.98469	307.47	307.47	307.47	0
54280000	74.679	405.86	0.15892	1.86069E-03	0.15892	0.98429	306.79	306.79	306.79	0
54290000	73.947	401.57	0.15451	1.88632E-03	0.15451	0.98391	306.10	306.10	306.10	0
54300000	73.213	397.59	0.15048	1.90942E-03	0.15048	0.98357	305.40	305.40	305.40	0
54310000	72.480	393.92	0.14682	1.93014E-03	0.14682	0.98326	304.70	304.70	304.70	0
54320000	71.753	390.55	0.14354	1.94867E-03	0.14354	0.98298	304.00	304.00	304.00	0
54330000	71.038	387.47	0.14060	1.96527E-03	0.14060	0.98274	303.30	303.30	303.30	0
54340000	70.337	384.69	0.13801	1.98020E-03	0.13801	0.98253	302.62	302.62	302.62	0
54350000	69.655	382.18	0.13574	1.99369E-03	0.13574	0.98236	301.95	301.95	301.95	0
54360000	68.993	379.95	0.13378	2.00597E-03	0.13378	0.98223	301.30	301.30	301.30	0
54370000	68.354	377.96	0.13211	2.01725E-03	0.13211	0.98214	300.66	300.66	300.66	0
54380000	67.740	376.22	0.13071	2.02770E-03	0.13071	0.98207	300.05	300.05	300.05	0
54390000	67.152	374.71	0.12956	2.03762E-03	0.12956	0.98205	299.46	299.46	299.46	0
54400000	66.587	373.43	0.12866	2.04720E-03	0.12866	0.98205	298.89	298.89	298.89	0
54410000	66.046	372.36	0.12800	2.05682E-03	0.12800	0.98208	298.34	298.34	298.34	0
54420000	65.527	371.53	0.12759	2.06699E-03	0.12759	0.98215	297.81	297.81	297.81	0
54430000	65.030	370.93	0.12745	2.07835E-03	0.12745	0.98226	297.30	297.30	297.30	0
54440000	64.555	370.60	0.12761	2.09163E-03	0.12761	0.98241	296.81	296.81	296.81	0
54450000	64.100	370.56	0.12810	2.10770E-03	0.12810	0.98261	296.34	296.34	296.34	0
54460000	63.662	370.84	0.12897	2.12737E-03	0.12896	0.98285	295.88	295.89	295.89	0
54470000	63.242	371.46	0.13022	2.15121E-03	0.13022	0.98314	295.44	295.45	295.45	0
54480000	62.839	372.43	0.13188	2.17948E-03	0.13187	0.98348	295.02	295.03	295.03	0
54490000	62.452	373.71	0.13390	2.21179E-03	0.13389	0.98386	294.61	294.62	294.62	0
54500000	62.081	375.25	0.13622	2.24694E-03	0.13620	0.98426	294.22	294.24	294.23	0
54510000	61.727	376.93	0.13867	2.28275E-03	0.13866	0.98467	293.84	293.86	293.86	0
54520000	61.390	378.57	0.14108	2.31608E-03	0.14105	0.98504	293.48	293.51	293.50	0
54530000	61.071	379.99	0.14317	2.34310E-03	0.14315	0.98537	293.14	293.17	293.17	0
54540000	60.769	380.96	0.14471	2.35990E-03	0.14468	0.98562	292.81	292.84	292.84	0
54550000	60.485	381.32	0.14547	2.36333E-03	0.14543	0.98577	292.51	292.54	292.54	0
54560000	60.220	380.95	0.14533	2.35182E-03	0.14529	0.98581	292.22	292.26	292.26	0
54570000	59.975	379.88	0.14431	2.32601E-03	0.14427	0.98575	291.95	292.00	292.00	0
54580000	59.751	378.23	0.14257	2.28864E-03	0.14252	0.98561	291.70	291.75	291.75	0
54590000	59.549	376.21	0.14035	2.24405E-03	0.14030	0.98539	291.48	291.54	291.54	0
54600000	59.370	374.07	0.13796	2.19719E-03	0.13790	0.98515	291.28	291.34	291.34	0
54610000	59.215	372.06	0.13570	2.15278E-03	0.13563	0.98490	291.11	291.18	291.18	0
54620000	59.083	370.38	0.13381	2.11477E-03	0.13374	0.98469	290.97	291.03	291.03	0
54630000	58.972	369.19	0.13250	2.08610E-03	0.13242	0.98455	290.84	290.91	290.91	0
54640000	58.880	368.60	0.13187	2.06861E-03	0.13180	0.98449	290.74	290.82	290.82	0
54650000	58.807	368.64	0.13201	2.06327E-03	0.13194	0.98453	290.66	290.74	290.74	0
54660000	58.748	369.35	0.13293	2.07026E-03	0.13285	0.98466	290.60	290.68	290.67	0
54670000	58.703	370.69	0.13461	2.08925E-03	0.13453	0.98489	290.55	290.63	290.63	0

54680000	58.669	372.64	0.13700	2.11942E-03	0.13693	0.98520	290.52	290.59	290.59	0
54690000	58.643	375.11	0.14002	2.15937E-03	0.13995	0.98557	290.49	290.57	290.56	0
54700000	58.623	378.00	0.14354	2.20719E-03	0.14347	0.98598	290.47	290.55	290.55	0
54710000	58.609	381.18	0.14742	2.26058E-03	0.14735	0.98641	290.46	290.53	290.53	0
54720000	58.600	384.51	0.15146	2.31687E-03	0.15139	0.98683	290.45	290.52	290.52	0
54730000	58.596	387.82	0.15546	2.37303E-03	0.15540	0.98723	290.45	290.52	290.52	0
54740000	58.598	390.91	0.15920	2.42576E-03	0.15914	0.98758	290.46	290.52	290.52	0
54750000	58.605	393.59	0.16245	2.47175E-03	0.16239	0.98787	290.47	290.53	290.53	0
54760000	58.617	395.71	0.16500	2.50807E-03	0.16494	0.98809	290.48	290.55	290.55	0
54770000	58.634	397.12	0.16669	2.53253E-03	0.16663	0.98823	290.50	290.57	290.56	0
54780000	58.656	397.77	0.16745	2.54409E-03	0.16739	0.98828	290.52	290.59	290.59	0
54790000	58.681	397.64	0.16727	2.54298E-03	0.16720	0.98826	290.55	290.62	290.62	0
54800000	58.711	396.81	0.16623	2.53054E-03	0.16616	0.98817	290.58	290.65	290.65	0
54810000	58.743	395.38	0.16446	2.50904E-03	0.16440	0.98801	290.62	290.68	290.68	0
54820000	58.778	393.51	0.16216	2.48147E-03	0.16210	0.98781	290.66	290.72	290.72	0

54540000	60.789	380.98	0.14471	2.35990E-03	0.14464	0.98562	292.81	292.84	292.84	0
54550000	60.485	381.32	0.14547	2.36333E-03	0.14544	0.98577	292.51	292.54	292.54	0
54560000	60.220	380.95	0.14533	2.35182E-03	0.14522	0.98581	292.22	292.26	292.26	0
54570000	59.975	379.88	0.14431	2.32601E-03	0.14427	0.98575	291.95	292.00	292.00	0
54580000	59.751	378.23	0.14257	2.28864E-03	0.14252	0.98561	291.70	291.75	291.75	0
54590000	59.549	376.21	0.14035	2.24405E-03	0.14030	0.98539	291.48	291.54	291.54	0
54600000	59.370	374.07	0.13796	2.19719E-03	0.13790	0.98515	291.28	291.34	291.34	0
54610000	59.215	372.06	0.13570	2.15278E-03	0.13563	0.98490	291.11	291.18	291.18	0
54620000	59.083	370.38	0.13381	2.11477E-03	0.13374	0.98469	290.97	291.03	291.03	0
54630000	58.972	369.19	0.13250	2.08610E-03	0.13242	0.98455	290.84	290.91	290.91	0
54640000	58.880	368.60	0.13187	2.06861E-03	0.13180	0.98449	290.74	290.82	290.82	0
54650000	58.807	368.64	0.13201	2.06327E-03	0.13194	0.98453	290.66	290.74	290.74	0
54660000	58.748	369.35	0.13293	2.07026E-03	0.13285	0.98466	290.60	290.68	290.67	0
54670000	58.703	370.69	0.13461	2.08925E-03	0.13453	0.98489	290.55	290.63	290.63	0

54680000	58.669	372.64	0.13700	2.11942E-03	0.13693	0.98520	290.52	290.59	290.59	0
54690000	58.643	375.11	0.14002	2.15937E-03	0.13995	0.98557	290.49	290.57	290.56	0
54700000	58.623	378.00	0.14354	2.20719E-03	0.14347	0.98598	290.47	290.55	290.55	0
54710000	58.609	381.18	0.14742	2.26058E-03	0.14735	0.98641	290.46	290.53	290.53	0
54720000	58.600	384.51	0.15146	2.31687E-03	0.15139	0.98683	290.45	290.52	290.52	0
54730000	58.596	387.82	0.15546	2.37303E-03	0.15540	0.98723	290.45	290.52	290.52	0
54740000	58.598	390.91	0.15920	2.42576E-03	0.15914	0.98758	290.46	290.52	290.52	0
54750000	58.605	393.59	0.16245	2.47175E-03	0.16239	0.98787	290.47	290.53	290.53	0
54760000	58.617	395.71	0.16500	2.50807E-03	0.16494	0.98809	290.48	290.55	290.55	0
54770000	58.634	397.12	0.16669	2.53253E-03	0.16663	0.98823	290.50	290.57	290.56	0
54780000	58.656	397.77	0.16745	2.54409E-03	0.16739	0.98828	290.52	290.59	290.59	0
54790000	58.681	397.64	0.16727	2.54298E-03	0.16720	0.98826	290.55	290.62	290.62	0
54800000	58.711	396.81	0.16623	2.53054E-03	0.16616	0.98817	290.58	290.65	290.65	0
54810000	58.743	395.38	0.16446	2.50904E-03	0.16440	0.98801	290.62	290.68	290.68	0
54820000	58.778	393.51	0.16216	2.48147E-03	0.16209	0.98781	290.65	290.72	290.72	0
54830000	58.817	391.37	0.15953	2.45119E-03	0.15947	0.98756	290.69	290.76	290.76	0
54840000	58.862	389.14	0.15679	2.42156E-03	0.15672	0.98730	290.73	290.81	290.81	0
54850000	58.912	386.98	0.15413	2.39567E-03	0.15406	0.98703	290.78	290.86	290.86	0
54860000	58.969	385.02	0.15171	2.37601E-03	0.15164	0.98677	290.84	290.92	290.91	0
54870000	59.035	383.35	0.14963	2.36432E-03	0.14956	0.98655	290.91	290.98	290.98	0
54880000	59.115	382.04	0.14798	2.36185E-03	0.14790	0.98635	290.99	291.06	291.06	0
54890000	59.217	381.13	0.14679	2.36967E-03	0.14671	0.98620	291.09	291.17	291.17	0
54900000	59.348	380.66	0.14611	2.38839E-03	0.14602	0.98610	291.22	291.30	291.30	0
54910000	59.514	380.62	0.14591	2.41809E-03	0.14583	0.98604	291.39	291.47	291.47	0
54920000	59.720	380.99	0.14616	2.45831E-03	0.14607	0.98602	291.60	291.69	291.69	0
54930000	59.967	381.67	0.14676	2.50763E-03	0.14667	0.98603	291.85	291.95	291.94	0
54940000	60.262	382.87	0.14792	2.57011E-03	0.14783	0.98609	292.16	292.25	292.25	0
54950000	60.533	376.37	0.13974	2.47049E-03	0.13964	0.98508	292.44	292.53	292.53	0

C-56 PIPE COMPONENT

56010000	60.218	377.50	0.14147	2.54688E-03	0.14147	0.98536	292.17	292.18	292.18	0
56020000	60.234	378.60	0.14294	2.64039E-03	0.14289	0.98552	292.12	292.17	292.17	0
56030000	60.326	378.78	0.14315	2.71807E-03	0.14310	0.98553	292.19	292.25	292.25	0
56040000	60.456	377.45	0.14149	2.76801E-03	0.14144	0.98530	292.31	292.37	292.37	0
56050000	60.625	374.08	0.13732	2.78297E-03	0.13726	0.98474	292.46	292.52	292.52	0
56060000	60.836	367.99	0.12981	2.76100E-03	0.12975	0.98367	292.64	292.70	292.70	0
56070000	61.096	358.42	0.11811	2.71884E-03	0.11803	0.98176	292.83	292.90	292.90	0
56080000	61.415	345.20	0.10209	2.71951E-03	0.10201	0.97845	293.00	293.09	293.08	0
56090000	61.809	329.39	8.32990E-02	2.88396E-03	8.31966E-02	0.97294	293.05	293.15	293.15	0
56100000	62.305	313.20	6.47192E-02	3.33485E-03	6.45859E-02	0.96429	292.78	292.91	292.91	0
56110000	62.944	298.67	4.91787E-02	4.09930E-03	4.90009E-02	0.95180	291.92	292.10	292.09	0
56120000	63.782	286.68	3.79182E-02	5.08923E-03	3.77002E-02	0.93575	290.22	290.47	290.43	0
56130000	64.862	277.04	3.06830E-02	6.19620E-03	3.04560E-02	0.91805	287.64	287.94	287.85	0
56140000	66.147	269.28	2.66699E-02	7.41714E-03	2.64736E-02	0.90213	284.35	284.67	284.53	0
56150000	67.457	262.96	2.52837E-02	8.93608E-03	2.51391E-02	0.88231	280.57	280.86	280.70	0
56160000	68.552	257.74	2.64416E-02	1.11743E-02	2.63547E-02	0.89220	276.39	276.60	276.48	0
56170000	69.296	253.36	3.06050E-02	1.48533E-02	3.05780E-02	0.90234	271.77	271.86	271.80	0
56180000	69.587	249.44	3.86393E-02	2.09883E-02	3.86517E-02	0.91922	266.47	266.46	266.46	0
56190000	69.850	245.89	5.23722E-02	3.13978E-02	5.23709E-02	0.93802	260.38	260.41	260.38	0
56200000	70.064	243.10	7.58164E-02	4.96472E-02	7.58175E-02	0.95597	253.45	253.47	253.45	0
56210000	70.869	241.27	0.11232	7.94801E-02	0.11235	0.96978	246.20	246.17	246.17	0
56220000	71.151	239.48	0.16085	0.12100	0.16085	0.97919	238.42	238.44	238.42	0
56230000	71.439	238.51	0.22436	0.17723	0.22437	0.98569	230.82	230.80	230.80	0
56240000	71.772	239.18	0.30633	0.25126	0.30632	0.99032	223.67	223.69	223.68	0
56250000	71.878	242.04	0.40836	0.34451	0.40835	0.99366	217.21	217.22	217.21	0
56260000	71.811	247.26	0.52739	0.45405	0.52739	0.99601	211.74	211.66	211.73	0
56270000	71.931	254.55	0.65446	0.57131	0.65445	0.99762	207.65	207.63	207.65	0
56280000	72.121	262.84	0.77632	0.68371	0.77632	0.99868	204.90	204.90	204.90	0
56290000	71.956	270.54	0.87904	0.77826	0.87904	0.99937	202.98	202.98	202.98	0
56300000	71.572	276.67	0.95460	0.84755	0.95460	0.99978	201.71	201.72	201.72	0
56310000	71.031	279.90	0.99997	0.89240	1.00000	1.00000	199.57	213.27	213.15	0

56320000	71.570	277.27	0.99999	0.92121	1.00000	1.00000	186.26	335.33	335.33	0
56330000	71.757	275.84	1.00000	0.93659	1.00000	1.00000	177.02	402.92	402.92	0
56340000	71.715	275.07	1.00000	0.94358	1.00000	1.00000	172.03	433.63	433.63	0
56350000	71.507	274.61	1.00000	0.94640	1.00000	1.00000	169.74	445.33	445.33	0

C-58 PIPE COMPONENT

58010000	71.267	274.33	1.00000	0.94749	1.00000	1.00000	168.73	449.25	449.25	0
58020000	71.162	274.17	1.00000	0.94785	1.00000	1.00000	168.39	450.22	450.22	0
58030000	71.094	274.05	1.00000	0.94795	1.00000	1.00000	168.26	450.07	450.07	0
58040000	70.972	273.88	1.00000	0.94798	1.00000	1.00000	168.16	449.33	449.33	0
58050000	70.796	273.68	1.00000	0.94799	1.00000	1.00000	168.04	448.34	448.34	0
58060000	70.611	273.50	1.00000	0.94799	1.00000	1.00000	167.93	447.36	447.36	0
58070000	70.447	273.34	1.00000	0.94800	1.00000	1.00000	167.83	446.51	446.51	0

C-60 PIPE COMPONENT

60010000	70.248	273.18	1.00000	0.94800	1.00000	1.00000	167.71	445.67	445.67	0
60020000	70.090	273.04	1.00000	0.94799	1.00000	1.00000	167.61	445.67	445.67	0

56190000	69.850	245.89	5.23722E-02	3.13978E-02	5.23709E-02	0.93802	260.38	260.41	260.38	0
56200000	70.064	243.10	7.58164E-02	4.96472E-02	7.58175E-02	0.95597	253.45	253.47	253.45	0
56210000	70.869	241.27	0.11232	7.94801E-02	0.11235	0.96978	246.20	246.17	246.17	0
56220000	71.151	239.48	0.16085	0.12100	0.16085	0.97919	238.42	238.44	238.42	0
56230000	71.439	238.51	0.22436	0.17723	0.22437	0.98569	230.82	230.80	230.80	0
56240000	71.772	239.18	0.30633	0.25126	0.30632	0.99032	223.67	223.69	223.68	0
56250000	71.878	242.04	0.40836	0.34451	0.40835	0.99366	217.21	217.22	217.21	0
56260000	71.811	247.26	0.52739	0.45405	0.52739	0.99601	211.74	211.66	211.73	0
56270000	71.931	254.55	0.65446	0.57131	0.65445	0.99762	207.65	207.63	207.65	0
56280000	72.121	262.84	0.77632	0.68371	0.77632	0.99868	204.90	204.90	204.90	0
56290000	71.956	270.54	0.87904	0.77826	0.87904	0.99937	202.98	202.98	202.98	0
56300000	71.572	276.67	0.95460	0.84755	0.95460	0.99978	201.71	201.72	201.72	0
56310000	71.031	279.90	0.99997	0.89240	1.00000	1.00000	199.57	213.27	213.15	0

56320000	71.570	277.27	0.99999	0.92121	1.00000	1.00000	186.26	335.33	335.33	0
56330000	71.757	275.84	1.00000	0.93659	1.00000	1.00000	177.02	402.92	402.92	0
56340000	71.715	275.07	1.00000	0.94358	1.00000	1.00000	172.03	433.63	433.63	0
56350000	71.507	274.61	1.00000	0.94640	1.00000	1.00000	169.74	445.33	445.33	0
C-58	PIPE	COMPONENT								
58010000	71.267	274.33	1.00000	0.94749	1.00000	1.00000	168.73	449.25	449.25	0
58020000	71.162	274.17	1.00000	0.94785	1.00000	1.00000	168.39	450.22	450.22	0
58030000	71.094	274.05	1.00000	0.94795	1.00000	1.00000	168.26	450.07	450.07	0
58040000	70.972	273.88	1.00000	0.94798	1.00000	1.00000	168.16	449.33	449.33	0
58050000	70.796	273.68	1.00000	0.94799	1.00000	1.00000	168.04	448.34	448.34	0
58060000	70.611	273.50	1.00000	0.94799	1.00000	1.00000	167.93	447.36	447.36	0
58070000	70.447	273.34	1.00000	0.94800	1.00000	1.00000	167.83	446.51	446.51	0
C-60	PIPE	COMPONENT								
60010000	70.248	273.18	1.00000	0.94800	1.00000	1.00000	167.71	445.67	445.67	0
60020000	70.090	273.04	1.00000	0.94799	1.00000	1.00000	167.61	444.88	444.88	0
60030000	69.942	272.90	1.00000	0.94793	1.00000	1.00000	167.57	443.82	443.82	0
C-62	PIPE	COMPONENT								
62010000	69.818	272.97	1.00000	0.93897	1.00000	1.00000	174.17	399.41	399.41	0
62020000	69.582	179.32	0.40955	0.38406	0.40957	0.99326	174.65	174.58	174.61	0
C-64	SNGLVOL	COMPONENT								
64010000	69.189	91.639	1.80316E-02	1.76680E-02	1.79613E-02	0.78350	121.96	129.72	122.05	10
C-66	SNGLVOL	COMPONENT								
66010000	66.708	88.817	4.55891E-03	4.47940E-03	4.55317E-03	0.48038	120.45	123.09	120.46	10
C-68	SNGLVOL	COMPONENT								
68010000	60.787	88.201	1.34976E-03	1.32482E-03	1.34861E-03	0.23014	120.13	121.79	120.14	10
C-69	BRANCH	COMPONENT								
69010000	40.493	87.985	1.75073E-04	1.71196E-04	1.75862E-04	5.43351E-02	120.02	113.70	120.02	10
C-70	BRANCH	COMPONENT								
70010000	27.269	87.958	1.06684E-05	1.04052E-05	1.08352E-05	5.08984E-03	120.01	103.78	120.01	10
C-71	SNGLVOL	COMPONENT								
71010000	19.951	87.957	1.81610E-07	1.76861E-07	1.87075E-07	1.17340E-04	120.00	95.342	120.00	10
C-73	BRANCH	COMPONENT								
73010000	11.199	87.949	7.73823E-08	7.40112E-08	8.22000E-08	8.95849E-05	119.99	92.837	119.99	0
C-75	SNGLVOL	COMPONENT								
75010000	9.7849	100.65	8.92993E-02	7.98585E-02	8.92996E-02	0.99294	117.04	117.04	117.04	0
C-76	PIPE	COMPONENT								
76010000	246.91	958.14	0.80716	0.00000	0.78755	0.99746	399.88	366.32	399.88	10
76020000	191.43	944.48	0.79245	0.00000	0.77869	0.99789	378.15	352.01	378.15	10
76030000	167.93	936.76	0.78177	0.00000	0.77336	0.99806	367.43	350.55	367.43	10
76040000	151.94	931.18	0.77515	0.00000	0.76984	0.99820	359.45	348.37	359.45	0
C-79	SNGLVOL	COMPONENT								
79010000	2701.2	1012.4	1.00000	0.00000	0.99749	1.00000	679.59	679.45	679.59	0
C-81	SNGLVOL	COMPONENT								
81010000	2701.3	1012.3	1.00000	0.00000	0.99714	1.00000	679.60	679.44	679.60	0
C-83	PIPE	COMPONENT								
83010000	2708.5	1015.0	1.00000	0.00000	1.00000	1.00000	680.71	680.71	680.71	0
83020000	2708.4	1012.4	1.00000	0.00000	0.99998	1.00000	679.99	679.99	679.99	0
C-85	PIPE	COMPONENT								
85010000	2709.7	1012.3	1.00000	0.00000	1.00000	1.00000	680.07	680.07	680.07	0
85020000	2709.7	1015.0	1.00000	0.00000	1.00000	1.00000	680.82	680.82	680.82	0
C-87	PIPE	COMPONENT								
87010000	2702.9	1012.0	0.99999	0.00000	0.99671	1.00000	679.69	679.51	679.69	0
C-89	SNGLVOL	COMPONENT								
89010000	2704.4	1012.0	0.99999	0.00000	0.99698	1.00000	679.77	679.60	679.77	0
C-91	PIPE	COMPONENT								
91010000	2705.3	1011.5	1.00000	0.00000	0.99580	1.00000	679.82	679.59	679.82	0
91020000	2705.0	1011.7	0.99999	0.00000	0.99622	1.00000	679.80	679.59	679.80	0
91030000	2704.7	1011.9	0.99999	0.00000	0.99667	1.00000	679.78	679.60	679.78	0
C-93	SNGLVOL	COMPONENT								
93010000	15.569	240.74	0.97534	0.89164	0.97534	0.99997	126.70	126.70	126.70	0

C-95	SNGLVOL	COMPONENT								
95010000	174.10	936.92	0.77227	0.00000	0.77226	0.99794	370.35	370.35	370.35	0
C-96	SNGLVOL	COMPONENT								
96010000	223.29	953.62	0.78512	0.00000	0.78512	0.99754	391.15	391.15	391.15	0
C-97	BRANCH	COMPONENT								
97010000	164.65	933.57	0.77166	0.00000	0.76996	0.99804	365.85	362.38	365.85	0
C-99	SNGLVOL	COMPONENT								
99010000	2699.4	1012.7	0.99999	0.00000	0.99793	0.99999	679.50	679.38	679.50	0
C-101	SNGLVOL	COMPONENT								
101010000	2699.6	1012.6	0.99999	0.00000	0.99756	0.99999	679.50	679.37	679.50	0
C-103	PIPE	COMPONENT								
103010000	2701.0	1012.4	0.99999	0.00000	0.99745	0.99999	679.58	679.44	679.58	0
103020000	2700.9	1012.5	0.99999	0.00000	0.99773	0.99999	679.57	679.45	679.57	0
C-105	PIPE	COMPONENT								
105010000	2702.6	1012.2	0.99999	0.00000	0.99714	1.00000	679.67	679.51	679.67	0

83020000	2708.4	1012.4	1.0000	0.00000	0.99998	1.0000	679.99	679.99	679.99	0
C-85	PIPE	COMPONENT								
85010000	2709.7	1012.3	1.0000	0.00000	1.0000	1.0000	680.07	680.07	680.07	0
85020000	2709.7	1015.0	1.0000	0.00000	1.0000	1.0000	680.82	680.82	680.82	0
C-87	PIPE	COMPONENT								
87010000	2702.9	1012.0	0.99999	0.00000	0.99671	1.0000	679.69	679.51	679.69	0
C-89	SNGLVOL	COMPONENT								
89010000	2704.4	1012.0	0.99999	0.00000	0.99698	1.0000	679.77	679.60	679.77	0
C-91	PIPE	COMPONENT								
91010000	2705.3	1011.5	1.0000	0.00000	0.99580	1.0000	679.82	679.59	679.82	0
91020000	2705.0	1011.7	0.99999	0.00000	0.99622	1.0000	679.80	679.59	679.80	0
91030000	2704.7	1011.9	0.99999	0.00000	0.99667	1.0000	679.78	679.60	679.78	0
C-93	SNGLVOL	COMPONENT								
93010000	15.569	240.74	0.97534	0.89164	0.97534	0.99997	126.70	126.70	126.70	0

C-95	SNGLVOL	COMPONENT								
95010000	174.10	936.92	0.77227	0.00000	0.77226	0.99794	370.35	370.35	370.35	0
C-96	SNGLVOL	COMPONENT								
96010000	223.29	953.62	0.78512	0.00000	0.78512	0.99754	391.15	391.15	391.15	0
C-97	BRANCH	COMPONENT								
97010000	164.65	933.57	0.77166	0.00000	0.76996	0.99804	365.85	362.38	365.85	0
C-99	SNGLVOL	COMPONENT								
99010000	2699.4	1012.7	0.99999	0.00000	0.99793	0.99999	679.50	679.38	679.50	0
C-101	SNGLVOL	COMPONENT								
101010000	2699.6	1012.6	0.99999	0.00000	0.99756	0.99999	679.50	679.37	679.50	0
C-103	PIPE	COMPONENT								
103010000	2701.0	1012.4	0.99999	0.00000	0.99745	0.99999	679.58	679.44	679.58	0
103020000	2700.9	1012.5	0.99999	0.00000	0.99773	0.99999	679.57	679.45	679.57	0
C-105	PIPE	COMPONENT								
105010000	2702.6	1012.2	0.99999	0.00000	0.99714	1.0000	679.67	679.51	679.67	0
105020000	2702.3	1012.3	0.99999	0.00000	0.99759	0.99999	679.66	679.52	679.66	0
C-107	SNGLVOL	COMPONENT								
107010000	2702.8	1012.0	0.99999	0.00000	0.99667	1.0000	679.60	679.50	679.68	0
C-109	SNGLVOL	COMPONENT								
109010000	2704.3	1012.0	0.99999	0.00000	0.99695	1.0000	679.77	679.60	679.77	0
C-111	PIPE	COMPONENT								
111010000	2705.3	1011.5	1.0000	0.00000	0.99579	1.0000	679.82	679.59	679.82	0
111020000	2704.9	1011.7	0.99999	0.00000	0.99620	1.0000	679.80	679.59	679.80	0
111030000	2704.6	1011.9	0.99999	0.00000	0.99664	1.0000	679.78	679.60	679.78	0
C-113	TMDPVOL	COMPONENT								
113010000	2716.6	1011.5	1.0000	0.00000	1.0000	1.0000	680.44	680.44	680.44	0
C-114	PIPE	COMPONENT								
114010000	167.10	908.13	0.74049	3.31744E-03	0.74048	0.99765	366.79	366.76	366.79	0
114020000	166.98	903.28	0.73480	3.77245E-03	0.73478	0.99758	366.70	366.65	366.70	0
114030000	166.89	898.39	0.72908	4.25324E-03	0.72905	0.99751	366.61	366.56	366.61	0
C-136	SNGLVOL	COMPONENT								
136010000	178.67	937.89	0.77428	0.00000	0.77259	0.99790	372.47	369.10	372.47	0
W-CASE	SNGLVOL	COMPONENT								
178010000	2019.5	997.58	0.82652	0.00000	0.82652	0.97171	637.18	637.18	637.18	11
C-193	SNGLVOL	COMPONENT								
193010000	15.494	235.90	0.95171	0.87132	0.95171	0.99994	125.96	125.96	125.96	0
C-195	PIPE	COMPONENT								
195010000	141.78	908.69	0.74598	1.95924E-03	0.74598	0.99807	353.88	353.88	353.88	0
195020000	135.46	908.00	0.74692	2.02904E-03	0.74692	0.99816	350.35	350.35	350.35	0
W-CASE	SNGLVOL	COMPONENT								
198010000	2019.4	997.30	0.82580	0.00000	0.82580	0.97158	637.17	637.17	637.17	11

VOL.NO.	RHO (LB/FT3)	RHOF (LB/FT3)	RHOG (LB/FT3)	VOLUME (FT3)	UF (BTU/LB)	UG (BTU/LB)	SOUNDE (FT/SEC)	HEAT INPUT (BTU/SEC)	VAPOR GEN. (LB/FT3-SEC)
1010000	9.0527	32.842	9.0527	0.00000	744.42	1011.5	1076.2	0.00000	10.976
36010000	0.76049	53.372	0.61295	0.14070	381.57	1099.9	1359.0	0.00000	-22.180
36020000	0.61887	54.117	0.48804	0.14070	362.04	1105.2	1349.4	0.00000	-12.900
36030000	0.56515	54.418	0.44068	0.14070	353.99	1108.6	1344.8	0.00000	-7.0002
38010000	0.62202	53.993	0.48922	0.35072	365.35	1114.8	1357.2	0.00000	-2.70810E-02
38020000	0.62027	53.994	0.48916	0.35072	365.34	1114.8	1359.3	0.00000	-3.33201E-02
38030000	0.61773	53.994	0.48909	0.35072	365.33	1114.8	1362.4	0.00000	-3.38852E-02
38040000	0.61556	53.994	0.48903	0.35072	365.31	1114.8	1365.0	0.00000	-3.41791E-02
38050000	0.61540	53.995	0.48900	0.35072	365.29	1114.6	1365.1	0.00000	-3.30625E-02
38060000	0.62219	53.999	0.48915	0.35072	365.20	1113.4	1356.6	0.00000	-3.34490E-02
38070000	0.66481	54.011	0.48986	0.35072	364.89	1109.2	1306.2	0.00000	-2.94526E-02
40010000	0.62260	53.990	0.48961	0.21862	365.44	1114.8	1357.1	0.00000	-5.79681E-04
42010000	0.75153	54.035	0.49140	0.32880	364.26	1100.4	1217.2	0.00000	-2.14899E-02
44010000	0.39012	55.699	0.29185	0.16683	318.08	1103.2	1308.0	0.00000	-4.5429
46010000	0.48365	54.973	0.36688	0.20824	338.72	1109.2	1325.8	0.00000	3.7049
46020000	0.49066	54.950	0.36973	0.35620	339.35	1108.8	1320.7	0.00000	8.73855E-03

46030000	0.49446	54.952	0.36968	0.35620	339.28	1108.2	1314.7	0.00000	-3.73765E-02
48010000	0.30103	56.401	0.22456	0.27948	297.36	1099.5	1301.3	0.00000	4.3892
48020000	0.29221	56.495	0.21683	0.27948	294.52	1098.4	1296.2	0.00000	-0.27246
48030000	0.29181	56.509	0.21560	0.27948	294.07	1098.1	1292.9	0.00000	-0.12279
48040000	0.29223	56.517	0.21503	0.27948	293.86	1097.8	1289.9	0.00000	-9.35756E-02
48050000	0.29280	56.523	0.21459	0.27948	293.67	1097.4	1286.9	0.00000	-6.70090E-02
48060000	0.29342	56.529	0.21419	0.27948	293.49	1097.0	1283.8	0.00000	-6.36600E-02
48070000	0.29408	56.534	0.21380	0.27948	293.32	1096.6	1280.8	0.00000	-6.06222E-02
48080000	0.29483	56.540	0.21343	0.27948	293.16	1096.3	1277.6	0.00000	-5.76256E-02
48090000	0.29569	56.545	0.21307	0.27948	293.00	1095.9	1274.1	0.00000	-5.46955E-02
50010000	0.29328	56.578	0.21038	0.28824	291.98	1095.5	1270.4	0.00000	6.21581E-02
50020000	0.29407	56.587	0.20971	0.28824	291.71	1095.1	1266.1	0.00000	-5.88934E-02
50030000	0.29547	56.593	0.20931	0.28824	291.55	1094.9	1261.3	0.00000	-4.65341E-02
50040000	0.29724	56.597	0.20896	0.28824	291.40	1094.7	1255.8	0.00000	-4.23638E-02

36020000	0.61887	54.117	0.48804	0.14070	362.04	1105.2	1349.4	0.00000	-2.1180
36030000	0.56515	54.418	0.44068	0.14070	353.95	1108.6	1344.8	0.00000	-7.0002
38010000	0.62202	53.993	0.48922	0.35072	365.35	1114.8	1357.2	0.00000	-2.70810E-02
38020000	0.62027	53.994	0.48916	0.35072	365.34	1114.8	1359.3	0.00000	-3.33201E-02
38030000	0.61773	53.994	0.48909	0.35072	365.33	1114.8	1362.4	0.00000	-3.38852E-02
38040000	0.61556	53.994	0.48903	0.35072	365.31	1114.8	1365.0	0.00000	-3.41791E-02
38050000	0.61540	53.995	0.48900	0.35072	365.29	1114.6	1365.1	0.00000	-3.30625E-02
38060000	0.62219	53.999	0.48915	0.35072	365.20	1113.4	1356.6	0.00000	-3.34490E-02
38070000	0.66481	54.011	0.48986	0.35072	364.89	1109.2	1306.2	0.00000	-2.94526E-02
40010000	0.62260	53.990	0.48961	0.21862	365.44	1114.8	1357.1	0.00000	-5.79681E-04
42010000	0.75153	54.035	0.49140	0.32880	364.26	1100.4	1217.2	0.00000	-2.14899E-02
44010000	0.39012	55.699	0.29185	0.16683	318.08	1103.2	1308.0	0.00000	-4.5429
46010000	0.48365	54.973	0.36688	0.20824	338.72	1109.2	1325.8	0.00000	3.7049
46020000	0.49066	54.950	0.36973	0.35620	339.35	1108.8	1320.7	0.00000	8.73855E-03

46030000	0.49446	54.952	0.36968	0.35620	339.28	1108.2	1314.7	0.00000	-3.73765E-02
48010000	0.30103	56.401	0.22456	0.27948	297.36	1099.5	1301.3	0.00000	4.3892
48020000	0.29221	56.495	0.21683	0.27948	294.52	1098.4	1296.2	0.00000	-0.27246
48030000	0.29181	56.509	0.21560	0.27948	294.07	1098.1	1292.9	0.00000	-0.12279
48040000	0.29223	56.517	0.21503	0.27948	293.86	1097.8	1289.9	0.00000	-9.35756E-02
48050000	0.29280	56.523	0.21459	0.27948	293.67	1097.4	1286.9	0.00000	-6.70090E-02
48060000	0.29342	56.529	0.21419	0.27948	293.49	1097.0	1283.8	0.00000	-6.36600E-02
48070000	0.29408	56.534	0.21380	0.27948	293.32	1096.6	1280.8	0.00000	-6.06222E-02
48080000	0.29483	56.540	0.21343	0.27948	293.16	1096.3	1277.6	0.00000	-5.76256E-02
48090000	0.29569	56.545	0.21307	0.27948	293.00	1095.9	1274.1	0.00000	-5.46955E-02
50010000	0.29328	56.578	0.21038	0.28824	291.98	1095.5	1270.4	0.00000	6.21581E-02
50020000	0.29407	56.587	0.20971	0.28824	291.71	1095.1	1266.1	0.00000	-5.88934E-02
50030000	0.29547	56.593	0.20931	0.28824	291.55	1094.9	1261.3	0.00000	-4.65341E-02
50040000	0.29724	56.597	0.20896	0.28824	291.40	1094.7	1255.8	0.00000	-4.23638E-02
50050000	0.29938	56.602	0.20860	0.28824	291.26	1094.6	1249.4	0.00000	-3.91893E-02
52010000	0.30179	56.607	0.20824	0.27400	291.12	1094.5	1242.6	0.00000	-3.68070E-02
54010000	0.29150	56.718	0.19926	0.30578	287.72	1093.9	1234.8	0.00000	0.42987
54020000	0.29290	56.740	0.19746	0.30578	287.02	1093.8	1224.9	0.00000	-5.75959E-02
54030000	0.29655	56.748	0.19683	0.30578	286.79	1094.0	1214.1	0.00000	-3.00688E-02
54040000	0.30118	56.753	0.19638	0.30578	286.64	1094.2	1202.0	0.00000	-1.77944E-02
54050000	0.30673	56.757	0.19594	0.30578	286.49	1094.4	1188.2	0.00000	-1.17598E-02
54060000	0.31346	56.762	0.19549	0.30578	286.35	1094.7	1172.1	0.00000	-7.10681E-03
54070000	0.32200	56.767	0.19501	0.30578	286.19	1095.0	1152.8	0.00000	-2.33660E-03
54080000	0.33352	56.773	0.19449	0.30578	286.01	1095.3	1128.2	0.00000	4.80802E-03
54090000	0.35003	56.779	0.19394	0.30578	285.82	1095.6	1095.6	0.00000	7.63881E-03
54100000	0.37466	56.786	0.19333	0.30578	285.61	1095.9	1051.6	0.00000	1.48105E-02
54110000	0.41194	56.794	0.19267	0.30578	285.37	1096.1	993.03	0.00000	4.50657E-02
54120000	0.46816	56.801	0.19198	0.30578	285.13	1096.3	918.80	0.00000	4.53449E-02
54130000	0.55202	56.812	0.19117	0.30578	284.81	1096.4	829.86	0.00000	0.16064
54140000	0.67245	56.824	0.19020	0.30578	284.43	1096.4	732.26	0.00000	-0.80925
54150000	0.78053	56.860	0.18742	0.30578	283.32	1096.2	659.91	0.00000	1.1781
54160000	0.83812	56.861	0.18734	0.30578	283.28	1096.1	630.03	0.00000	0.32210
54170000	0.86167	56.871	0.18665	0.30578	282.98	1095.9	617.24	0.00000	0.23221
54180000	0.87086	56.883	0.18571	0.30578	282.59	1095.7	610.95	0.00000	0.24387
54190000	0.87886	56.899	0.18462	0.30578	282.12	1095.3	604.94	0.00000	0.23939
54200000	0.89079	56.915	0.18342	0.30578	281.60	1094.9	597.01	0.00000	0.23584
54210000	0.90740	56.933	0.18216	0.30578	281.05	1094.4	587.08	0.00000	0.23970
54220000	0.92771	56.951	0.18085	0.30578	280.47	1093.9	575.75	0.00000	0.24621
54230000	0.95034	56.971	0.17949	0.30578	279.86	1093.3	563.73	0.00000	0.25246
54240000	0.97411	56.991	0.17809	0.30578	279.24	1092.7	551.58	0.00000	0.25812
54250000	0.99811	57.011	0.17665	0.30578	278.59	1092.1	539.66	0.00000	0.26317
54260000	1.0217	57.033	0.17516	0.30578	277.92	1091.5	528.19	0.00000	0.26725
54270000	1.0444	57.055	0.17365	0.30578	277.23	1090.9	517.30	0.00000	0.26980
54280000	1.0660	57.077	0.17211	0.30578	276.53	1090.3	507.06	0.00000	0.27038
54290000	1.0861	57.099	0.17055	0.30578	275.81	1089.7	497.52	0.00000	0.26870
54300000	1.1045	57.122	0.16898	0.30578	275.09	1089.2	488.70	0.00000	0.26470
54310000	1.1211	57.145	0.16741	0.30578	274.37	1088.6	480.61	0.00000	0.25839
54320000	1.1358	57.168	0.16585	0.30578	273.64	1088.1	473.25	0.00000	0.24981
54330000	1.1485	57.190	0.16432	0.30578	272.93	1087.6	466.63	0.00000	0.23899
54340000	1.1591	57.212	0.16281	0.30578	272.22	1087.1	460.72	0.00000	0.22594
54350000	1.1676	57.234	0.16134	0.30578	271.53	1086.7	455.51	0.00000	0.21072
54360000	1.1741	57.255	0.15991	0.30578	270.85	1086.3	450.97	0.00000	0.19343
54370000	1.1786	57.276	0.15853	0.30578	270.20	1085.9	447.08	0.00000	0.17464
54380000	1.1812	57.295	0.15721	0.30578	269.57	1085.5	443.80	0.00000	0.15412
54390000	1.1819	57.314	0.15593	0.30578	268.96	1085.2	441.11	0.00000	0.16678
54400000	1.1809	57.333	0.15471	0.30578	268.37	1084.9	438.98	0.00000	0.15068
54410000	1.1780	57.350	0.15353	0.30578	267.80	1084.7	437.42	0.00000	0.12222
54420000	1.1732	57.367	0.15241	0.30578	267.26	1084.5	436.45	0.00000	9.39639E-02
54430000	1.1663	57.383	0.15132	0.30578	266.73	1084.3	436.13	0.00000	3.35915E-02
54440000	1.1570	57.399	0.15029	0.30578	266.23	1084.1	436.50	0.00000	1.81020E-02

54450000	1.1452	57.414	0.14929	0.30578	265.74	1083.9	437.65	0.00000	9.55516E-03
54460000	1.1305	57.428	0.14834	0.30578	265.27	1083.8	439.68	0.00000	-1.01542E-02
54470000	1.1130	57.442	0.14742	0.30578	264.82	1083.7	442.61	0.00000	-2.72875E-02
54480000	1.0928	57.456	0.14653	0.30578	264.39	1083.6	446.46	0.00000	-4.44554E-02
54490000	1.0704	57.469	0.14569	0.30578	263.97	1083.5	451.14	0.00000	-6.15288E-02
54500000	1.0468	57.481	0.14487	0.30578	263.57	1083.4	456.44	0.00000	-7.86107E-02
54510000	1.0232	57.493	0.14409	0.30578	263.18	1083.4	462.03	0.00000	-9.61168E-02
54520000	1.0009	57.505	0.14335	0.30578	262.81	1083.4	467.44	0.00000	-0.11441
54530000	0.98174	57.515	0.14265	0.30578	262.46	1083.3	472.14	0.00000	-0.13385
54540000	0.96703	57.526	0.14198	0.30578	262.13	1083.3	475.55	0.00000	-0.15473
54550000	0.95789	57.535	0.14135	0.30578	261.81	1083.3	477.23	0.00000	-0.17723
54560000	0.95486	57.544	0.14077	0.30578	261.52	1083.3	476.92	0.00000	-0.20161
54570000	0.95783	57.553	0.14023	0.30578	261.24	1083.3	474.65	0.00000	-0.22820
54580000	0.96597	57.561	0.13973	0.30578	260.99	1083.3	470.75	0.00000	-0.25670

54320000	1.1358	57.168	0.16585	0.30578	273.64	1088.1	473.25	0.00000	0.25839
54330000	1.1485	57.190	0.16432	0.30578	272.94	1087.6	466.63	0.00000	0.24981
54340000	1.1591	57.212	0.16281	0.30578	272.22	1087.1	460.72	0.00000	0.23899
54350000	1.1676	57.234	0.16134	0.30578	271.53	1086.7	455.51	0.00000	0.22594
54360000	1.1741	57.255	0.15991	0.30578	270.85	1086.3	450.97	0.00000	0.21072
54370000	1.1786	57.276	0.15853	0.30578	270.20	1085.9	447.08	0.00000	0.19343
54380000	1.1812	57.295	0.15721	0.30578	269.57	1085.5	443.80	0.00000	0.17464
54390000	1.1819	57.314	0.15593	0.30578	268.96	1085.2	441.11	0.00000	0.15412
54400000	1.1809	57.333	0.15471	0.30578	268.37	1084.9	438.98	0.00000	0.16678
54410000	1.1780	57.350	0.15353	0.30578	267.80	1084.7	437.42	0.00000	0.15068
54420000	1.1732	57.367	0.15241	0.30578	267.26	1084.5	436.45	0.00000	0.12222
54430000	1.1663	57.383	0.15132	0.30578	266.73	1084.3	436.13	0.00000	9.39630E-02
54440000	1.1570	57.399	0.15029	0.30578	266.23	1084.1	436.50	0.00000	3.35915E-02

54450000	1.1452	57.414	0.14929	0.30578	265.74	1083.9	437.65	0.00000	9.55516E-03
54460000	1.1305	57.428	0.14834	0.30578	265.27	1083.8	439.68	0.00000	-1.01542E-02
54470000	1.1130	57.442	0.14742	0.30578	264.82	1083.7	442.61	0.00000	-2.72875E-02
54480000	1.0928	57.456	0.14653	0.30578	264.39	1083.6	446.46	0.00000	-4.44554E-02
54490000	1.0704	57.469	0.14569	0.30578	263.97	1083.5	451.14	0.00000	-6.15288E-02
54500000	1.0468	57.481	0.14487	0.30578	263.57	1083.4	456.44	0.00000	-7.86107E-02
54510000	1.0232	57.493	0.14409	0.30578	263.18	1083.4	462.03	0.00000	-9.61168E-02
54520000	1.0009	57.505	0.14335	0.30578	262.81	1083.4	467.44	0.00000	-0.11441
54530000	0.98174	57.515	0.14265	0.30578	262.46	1083.3	472.14	0.00000	-0.13385
54540000	0.96703	57.526	0.14198	0.30578	262.13	1083.3	475.55	0.00000	-0.15473
54550000	0.95789	57.535	0.14135	0.30578	261.81	1083.3	477.23	0.00000	-0.17723
54560000	0.95486	57.544	0.14077	0.30578	261.52	1083.3	476.92	0.00000	-0.20161
54570000	0.95783	57.553	0.14023	0.30578	261.24	1083.3	474.65	0.00000	-0.22820
54580000	0.96597	57.561	0.13973	0.30578	260.99	1083.3	470.75	0.00000	-0.25679
54590000	0.97789	57.568	0.13928	0.30578	260.76	1083.3	465.77	0.00000	-0.28614
54600000	0.99175	57.574	0.13888	0.30578	260.56	1083.3	460.36	0.00000	-0.31479
54610000	1.0055	57.579	0.13854	0.30578	260.38	1083.3	455.19	0.00000	-0.34157
54620000	1.0173	57.584	0.13825	0.30578	260.23	1083.4	450.86	0.00000	-0.36520
54630000	1.0254	57.588	0.13800	0.30578	260.11	1083.4	447.82	0.00000	-0.38420
54640000	1.0287	57.591	0.13780	0.30578	260.01	1083.4	446.38	0.00000	-0.39750
54650000	1.0264	57.593	0.13763	0.30578	259.92	1083.5	446.70	0.00000	-0.40477
54660000	1.0185	57.595	0.13750	0.30578	259.86	1083.5	448.82	0.00000	-0.40669
54670000	1.0053	57.597	0.13740	0.30578	259.81	1083.5	452.70	0.00000	-0.40439
54680000	0.98747	57.598	0.13732	0.30578	259.77	1083.6	458.18	0.00000	-0.39877
54690000	0.96612	57.599	0.13726	0.30578	259.75	1083.6	465.02	0.00000	-0.39057
54700000	0.94250	57.599	0.13721	0.30578	259.73	1083.6	472.92	0.00000	-0.38039
54710000	0.91791	57.600	0.13718	0.30578	259.72	1083.7	481.50	0.00000	-0.36942
54720000	0.89366	57.600	0.13716	0.30578	259.71	1083.7	490.34	0.00000	-0.35874
54730000	0.87093	57.600	0.13715	0.30578	259.71	1083.7	498.99	0.00000	-0.34893
54740000	0.85078	57.600	0.13715	0.30578	259.71	1083.8	506.97	0.00000	-0.34049
54750000	0.83410	57.599	0.13716	0.30578	259.72	1083.8	513.83	0.00000	-0.33384
54760000	0.82155	57.599	0.13719	0.30578	259.74	1083.8	519.16	0.00000	-0.32932
54770000	0.81353	57.598	0.13723	0.30578	259.76	1083.8	522.68	0.00000	-0.32713
54780000	0.81019	57.598	0.13727	0.30578	259.78	1083.8	524.25	0.00000	-0.32736
54790000	0.81139	57.597	0.13733	0.30578	259.81	1083.8	523.87	0.00000	-0.32992
54800000	0.81679	57.596	0.13740	0.30578	259.84	1083.8	521.71	0.00000	-0.33451
54810000	0.82586	57.595	0.13747	0.30578	259.87	1083.8	518.03	0.00000	-0.34091
54820000	0.83789	57.594	0.13755	0.30578	259.91	1083.7	513.21	0.00000	-0.34893
54830000	0.85203	57.592	0.13764	0.30578	259.95	1083.7	507.66	0.00000	-0.35822
54840000	0.86734	57.591	0.13774	0.30578	260.00	1083.6	501.82	0.00000	-0.36821
54850000	0.88281	57.589	0.13786	0.30578	260.05	1083.6	496.10	0.00000	-0.37832
54860000	0.89753	57.588	0.13799	0.30578	260.11	1083.5	490.85	0.00000	-0.38819
54870000	0.91078	57.586	0.13814	0.30578	260.17	1083.4	486.32	0.00000	-0.39775
54880000	0.92203	57.583	0.13833	0.30578	260.25	1083.2	482.67	0.00000	-0.40769
54890000	0.93090	57.580	0.13856	0.30578	260.36	1083.1	480.04	0.00000	-0.41954
54900000	0.93719	57.576	0.13886	0.30578	260.49	1082.9	478.51	0.00000	-0.43348
54910000	0.94094	57.570	0.13924	0.30578	260.67	1082.8	478.05	0.00000	-0.44884
54920000	0.94246	57.564	0.13970	0.30578	260.88	1082.6	478.58	0.00000	-0.46493
54930000	0.94238	57.556	0.14026	0.30578	261.14	1082.4	479.87	0.00000	-0.48072
54940000	0.93946	57.546	0.14092	0.30578	261.46	1082.2	482.40	0.00000	-0.49743
54950000	0.93779	57.537	0.14154	0.30578	261.74	1082.0	484.16	0.00000	-0.49580
56010000	0.98115	57.546	0.14086	0.49155	261.47	1081.6	468.24	0.00000	0.16131
56020000	0.97165	57.547	0.14092	0.49155	261.42	1081.2	471.38	0.00000	-0.25541
56030000	0.97177	57.545	0.14116	0.49155	261.49	1080.8	471.80	0.00000	-0.29773
56040000	0.98516	57.542	0.14147	0.49155	261.61	1080.3	468.04	0.00000	-0.31161
56050000	1.0175	57.537	0.14188	0.49155	261.76	1079.7	458.56	0.00000	-0.32837
56060000	1.0791	57.531	0.14241	0.49155	261.95	1078.8	441.18	0.00000	-0.35528
56070000	1.1893	57.525	0.14308	0.49155	262.15	1077.3	413.15	0.00000	-0.39922
56080000	1.3800	57.520	0.14398	0.49155	262.32	1074.1	372.70	0.00000	-0.47173
56090000	1.6973	57.518	0.14531	0.49155	262.37	1066.9	321.63	0.00000	-0.59279

56100000	2.1963	57.527	0.14740	0.49155	262.10	1051.6	266.70	0.00000	-0.79206
56110000	2.9176	57.555	0.15075	0.49155	261.22	1022.8	217.26	0.00000	-1.08000
56120000	3.8468	57.609	0.15587	0.49155	259.48	976.62	180.61	0.00000	-1.3456
56130000	4.8773	57.690	0.16300	0.49155	256.85	915.07	158.91	0.00000	-1.4065
56140000	5.8109	57.793	0.17178	0.49155	253.49	845.79	150.06	0.00000	-1.2137
56150000	6.3979	57.910	0.18128	0.49155	249.62	777.18	150.91	0.00000	-0.88744
56160000	6.4263	58.038	0.19045	0.49155	245.35	714.05	159.78	0.00000	-0.52464
56170000	5.8608	58.178	0.19878	0.49155	240.63	656.65	176.94	0.00000	-0.15030
56180000	4.9013	58.336	0.20602	0.49155	235.21	603.52	203.40	0.00000	9.90841E-02
56190000	3.8271	58.515	0.21367	0.49155	228.99	551.69	241.71	0.00000	0.38762
56200000	2.7972	58.714	0.22193	0.49155	221.98	500.58	296.82	0.00000	0.91845
56210000	2.0057	58.919	0.23231	0.49155	214.63	451.78	368.46	0.00000	0.18277
56220000	1.4665	59.134	0.24091	0.49155	206.76	410.17	447.39	0.00000	0.38533
56230000	1.0945	59.339	0.24912	0.49155	199.07	374.89	534.34	0.00000	0.11242
56240000	0.83008	59.527	0.25676	0.49155	191.83	346.39	630.10	0.00000	0.19764

14920000	0.94246	57.564	0.13970	0.30578	260.87	1082.6	478.58	0.00000	-0.46493
14930000	0.94238	57.556	0.14026	0.30578	261.14	1082.4	479.87	0.00000	-0.48072
14940000	0.93946	57.546	0.14092	0.30578	261.46	1082.2	482.40	0.00000	-0.49743
14950000	0.99779	57.537	0.14154	0.30578	261.74	1082.0	464.16	0.00000	-0.49587
16010000	0.98115	57.546	0.14086	0.49155	261.47	1081.6	468.24	0.00000	0.16131
16020000	0.97165	57.547	0.14092	0.49155	261.42	1081.2	471.38	0.00000	-0.25541
16030000	0.97177	57.545	0.14116	0.49155	261.49	1080.8	471.80	0.00000	-0.29773
16040000	0.98516	57.542	0.14147	0.49155	261.61	1080.3	468.04	0.00000	-0.31161
16050000	1.0175	57.537	0.14188	0.49155	261.76	1079.7	458.56	0.00000	-0.32837
16060000	1.0791	57.531	0.14241	0.49155	261.95	1078.8	441.18	0.00000	-0.35528
16070000	1.1893	57.525	0.14308	0.49155	262.15	1077.3	413.15	0.00000	-0.39922
16080000	1.3800	57.520	0.14398	0.49155	262.32	1074.1	372.70	0.00000	-0.47173
16090000	1.6973	57.518	0.14531	0.49155	262.37	1066.9	321.63	0.00000	-0.59279

16100000	2.1963	57.527	0.14740	0.49155	262.10	1051.6	266.70	0.00000	-0.79206
16110000	2.9176	57.555	0.15075	0.49155	261.22	1022.8	217.26	0.00000	-1.0800
16120000	3.8468	57.609	0.15587	0.49155	259.48	976.62	180.61	0.00000	-1.3456
16130000	4.8773	57.690	0.16300	0.49155	256.85	915.07	158.91	0.00000	-1.4065
16140000	5.8109	57.793	0.17178	0.49155	253.49	845.79	150.06	0.00000	-1.2137
16150000	6.3979	57.910	0.18128	0.49155	249.62	777.18	150.91	0.00000	-0.88744
16160000	6.4263	58.038	0.19045	0.49155	245.35	714.05	159.78	0.00000	-0.52464
16170000	5.8608	58.178	0.19878	0.49155	240.63	656.65	176.94	0.00000	-0.15030
16180000	4.9013	58.336	0.20602	0.49155	235.21	603.52	203.40	0.00000	9.90241E-02
16190000	3.8271	58.515	0.21367	0.49155	228.99	551.69	241.71	0.00000	0.38762
16200000	2.7972	58.714	0.22183	0.49155	221.98	500.58	296.82	0.00000	0.91845
16210000	2.0057	58.919	0.23231	0.49155	214.63	451.78	368.46	0.00000	0.18277
16220000	1.4665	59.134	0.24091	0.49155	206.76	410.17	447.39	0.00000	0.38533
16230000	1.0945	59.339	0.24912	0.49155	199.07	374.89	534.34	0.00000	0.11242
16240000	0.83008	59.527	0.25676	0.49155	191.83	346.39	630.10	0.00000	0.19765
16250000	0.63932	59.694	0.26273	0.49155	185.33	324.19	733.37	0.00000	0.18687
16260000	0.50440	59.832	0.26708	0.49155	179.84	307.69	839.67	0.00000	0.14143
16270000	0.41282	59.934	0.27082	0.49155	175.72	296.17	942.07	0.00000	0.12775
16280000	0.35221	60.001	0.27379	0.49155	172.95	288.73	1032.7	0.00000	0.14603
16290000	0.31223	60.048	0.27464	0.49155	171.02	284.24	1104.4	0.00000	8.41558E-02
16300000	0.28703	60.079	0.27406	0.49155	169.75	281.76	1155.0	0.00000	5.28418E-02
16310000	0.26786	60.130	0.26786	0.49155	167.59	279.90	1302.4	0.00000	2.5550
16320000	0.23199	60.441	0.23199	0.49155	154.20	277.27	1404.3	0.00000	0.00000
16330000	0.21623	60.648	0.21623	0.49155	144.95	275.84	1456.3	0.00000	0.00000
16340000	0.20952	60.756	0.20952	0.49155	139.94	275.07	1478.9	0.00000	0.00000
16350000	0.20655	60.805	0.20655	0.49155	137.65	274.61	1487.4	0.00000	0.00000
8010000	0.20510	60.826	0.20510	0.54635	136.64	274.33	1490.1	0.00000	0.00000
8020000	0.20462	60.833	0.20462	0.54635	136.30	274.17	1490.8	0.00000	0.00000
8030000	0.20447	60.836	0.20447	0.54635	136.17	274.05	1490.6	0.00000	0.00000
8040000	0.20429	60.838	0.20429	0.54635	136.07	273.88	1490.0	0.00000	0.00000
8050000	0.20401	60.840	0.20401	0.54635	135.95	273.68	1489.2	0.00000	0.00000
8060000	0.20369	60.843	0.20369	0.54635	135.84	273.50	1488.4	0.00000	0.00000
8070000	0.20341	60.845	0.20341	0.54635	135.74	273.34	1487.7	0.00000	0.00000
0010000	0.20303	60.847	0.20303	0.60828	135.62	273.18	1487.1	0.00000	0.00000
0020000	0.20274	60.849	0.20274	0.60828	135.52	273.04	1486.4	0.00000	0.00000
0030000	0.20255	60.850	0.20255	0.60828	135.48	272.90	1485.6	0.00000	0.00000
2010000	0.21154	60.709	0.21154	0.54800	142.09	272.97	1452.5	0.00000	0.00000
2020000	0.69253	60.699	0.28555	0.54800	142.58	232.28	696.24	0.00000	0.46255
4010000	13.602	61.694	0.31303	0.90420	83.889	186.96	170.48	0.00000	-0.43117
6010000	32.216	61.717	0.30573	0.82200	88.384	183.39	139.55	0.00000	-3.56706E-02
8010000	47.581	61.721	0.27905	0.82200	88.071	184.08	158.28	0.00000	-7.17799E-03
9010000	58.376	61.719	0.18809	2.2358	87.968	185.89	235.95	0.00000	2.10923E-04
0010000	61.403	61.717	0.12870	2.2358	87.957	186.37	595.80	0.00000	1.49017E-05
1010000	61.708	61.716	9.55073E-02	2.2358	87.957	186.19	2744.4	0.00000	1.83427E-07
3010000	61.709	61.714	5.33030E-02	600.33	87.949	201.05	2336.1	0.00000	8.01978E-08
5010000	0.47869	61.759	4.30508E-02	199.98	85.003	260.20	294.00	0.00000	4.97969E-03
6010000	0.70606	53.660	0.57135	0.10050	374.12	1097.7	1360.7	0.00000	-23.386
6020000	0.55338	54.528	0.43945	0.10050	350.98	1099.9	1350.0	0.00000	-17.861
6030000	0.48611	54.940	0.38076	0.10050	339.62	1103.4	1342.6	0.00000	-11.446
6040000	0.44090	55.240	0.34238	0.10050	331.22	1105.2	1337.3	0.00000	-7.4536
9010000	8.9665	33.007	8.9665	0.11760	742.58	1012.4	1082.0	0.00000	-1.61083E-04
1010000	8.9716	33.005	8.9716	8.65830E-02	742.60	1012.3	1081.8	0.00000	-1.80692E-04
3010000	8.8608	32.929	8.8608	7.93800E-02	743.45	1015.0	1390.0	0.00000	0.00000
3020000	8.9934	32.929	8.9934	9.37860E-02	743.45	1012.4	1080.1	0.00000	-1.13945E-06
5010000	9.0007	32.916	9.0007	0.10334	743.60	1012.3	1381.9	0.00000	0.00000
5020000	8.8624	32.915	8.8624	0.10334	743.60	1015.0	1392.3	0.00000	0.00000
7010000	8.9871	32.989	8.9871	8.58480E-02	742.79	1012.0	1080.9	0.00000	-2.34787E-04
9010000	8.9953	32.972	8.9952	0.11539	742.97	1012.0	1080.4	0.00000	-2.12038E-04
1010000	9.0143	32.962	9.0143	0.15787	743.08	1011.5	1079.4	0.00000	-2.71970E-04
1020000	9.0073	32.966	9.0073	0.15787	743.03	1011.7	1079.7	0.00000	-2.52893E-04

1030000	9.0004	32.970	9.0003	0.15787	743.00	1011.9	1080.1	0.00000	-2.29822E-04
3010000	6.98685E-02	61.608	6.81476E-02	9000.0	94.644	244.43	1085.3	0.00000	6.90122E-04
5010000	0.49444	54.829	0.38262	0.10251	342.71	1112.1	1342.2	0.00000	0.73825
6010000	0.61780	54.014	0.48625	0.16944	364.78	1114.8	1357.7	0.00000	1.4496
7010000	0.47196	55.000	0.36490	0.12140	337.95	1109.8	1338.9	0.00000	-2.4160
9010000	8.9497	33.025	8.9497	0.11760	742.37	1012.7	1083.0	0.00000	-1.62414E-04
1010000	8.9547	33.024	8.9547	8.65830E-02	742.39	1012.6	1082.7	0.00000	-1.88435E-04
3010000	8.9660	33.008	8.9660	0.10054	742.56	1012.4	1082.1	0.00000	-1.92587E-04
3020000	8.9620	33.010	8.9620	9.37860E-02	742.54	1012.5	1082.3	0.00000	-1.73583E-04
5010000	8.9805	32.992	8.9805	0.15155	742.75	1012.2	1081.2	0.00000	-2.08999E-04
5020000	8.9740	32.994	8.9740	0.15155	742.72	1012.3	1081.6	0.00000	-1.79339E-04
7010000	8.9869	32.990	8.9869	8.58480E-02	742.77	1012.0	1080.9	0.00000	-2.37799E-04
9010000	8.9950	32.973	8.9950	0.11539	742.96	1012.0	1080.4	0.00000	-2.14656E-04
1010000	9.0143	32.963	9.0143	0.15787	743.07	1011.5	1079.4	0.00000	-2.72644E-04
1020000	9.0072	32.967	9.0071	0.15787	743.03	1011.7	1079.7	0.00000	-2.54891E-04

6120000	0	0	0	0	0	0	0	0	0	0	0	0	0
6130000	0	0	0	0	0	0	0	0	0	0	0	0	0
6140000	0	0	0	0	0	0	0	0	0	0	0	0	0
6150000	0	0	0	0	0	0	0	0	0	0	0	0	0
6160000	0	0	0	0	0	0	0	0	0	0	0	0	0
6170000	0	0	0	0	0	0	0	0	0	0	0	0	0
6180000	0	0	0	0	0	0	0	0	0	0	0	0	0
6190000	0	0	0	0	0	0	0	0	0	0	0	0	0
6200000	0	0	0	0	0	0	0	0	0	0	0	0	0
6210000	1	1	0	0	0	0	0	0	0	0	0	0	0
6220000	1	1	0	0	0	0	0	0	0	0	0	0	0
6230000	1	1	0	0	0	0	0	0	0	0	0	0	0
6240000	1	1	0	0	0	0	0	0	0	0	0	0	0

6250000	1	1	0	0	0	0	0	0	0	0	0	0	0
6260000	1	1	0	0	0	0	0	0	0	0	0	0	0
6270000	0	0	0	0	0	0	0	0	0	0	0	0	0
6280000	0	0	0	0	0	0	0	0	0	0	0	0	0
6290000	1	1	0	0	0	0	0	0	0	0	0	0	0
6300000	1	1	0	0	0	0	0	0	0	0	0	0	0
6310000	1	1	0	0	0	0	0	0	0	0	0	0	0
6320000	0	0	0	0	0	0	0	0	0	0	0	0	0
6330000	0	0	0	0	0	0	0	0	0	0	0	0	0
6340000	0	0	0	0	0	0	0	0	0	0	0	0	0
6350000	0	0	0	0	0	0	0	0	0	0	0	0	0
8010000	0	0	0	0	0	0	0	0	0	0	0	0	0
8020000	0	0	0	0	0	0	0	0	0	0	0	0	0
8030000	0	0	0	0	0	0	0	0	0	0	0	0	0
8040000	0	0	0	0	0	0	0	0	0	0	0	0	0
8050000	0	0	0	0	0	0	0	0	0	0	0	0	0
8060000	0	0	0	0	0	0	0	0	0	0	0	0	0
8070000	0	0	0	0	0	0	0	0	0	0	0	0	0
90010000	0	0	0	0	0	0	0	0	0	0	0	0	0
90020000	0	0	0	0	0	0	0	0	0	0	0	0	0
90030000	0	0	0	0	0	0	0	0	0	0	0	0	0
92010000	0	0	0	0	0	0	0	0	0	0	0	0	0
92020000	0	2	0	0	0	0	0	0	0	0	0	0	0
94010000	0	9	0	0	0	0	0	0	0	0	0	0	0
96010000	55	55	0	0	0	0	0	0	0	0	0	0	0
98010000	31	31	0	0	0	0	0	0	0	0	0	0	0
99010000	0	0	0	0	0	0	0	0	0	0	0	0	0
70010000	0	0	0	0	0	0	0	0	0	0	0	0	0
71010000	0	0	0	0	0	0	0	0	0	0	0	0	0
73010000	0	0	0	0	0	0	0	0	0	0	0	0	0
75010000	0	1	0	0	0	0	0	0	1	0	0	0	0
76010000	57	116	0	0	0	0	0	0	0	0	20	0	0
76020000	0	10	0	0	0	0	0	1	0	0	28	0	0
76030000	0	28	0	0	0	0	0	0	0	177	300	89	90
76040000	0	1	0	0	0	0	0	0	0	0	644	0	155
79010000	0	14	0	0	0	0	0	0	0	0	0	0	0
31010000	0	3	0	0	0	0	0	0	0	0	0	0	0
33010000	0	5	0	0	0	0	0	0	0	0	0	0	0
33020000	0	1	0	0	0	0	0	0	0	0	0	0	0
35010000	0	0	0	0	0	0	0	0	0	0	0	0	0
35020000	0	2	0	0	0	0	0	0	0	0	0	0	0
37010000	0	2	0	0	0	0	0	0	0	0	0	0	0
39010000	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
91020000	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
93010000	0	0	0	0	0	0	0	0	0	0	0	0	0
95010000	0	34	0	0	0	0	0	0	0	0	12	0	6
96010000	0	1	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
99010000	0	4	0	0	0	0	0	0	0	0	0	0	0
01010000	0	1	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
103020000	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
105020000	0	2	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
109010000	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
11020000	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
13010000	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
14020000	0	2	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
36010000	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
93010000	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
95020000	14	407	0	2	0	0	0	12	0	0	3	0	1
98010000	0	5	0	0	0	0	0	0	0	0	0	0	0

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

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	10
99010000	0	4	0	0	0	0	0	0	0	0	0	0	0	0
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	14	407	0	2	0	0	0	12	0	1	0	3	0	1
98010000	0	5	0	0	0	0	0	0	0	0	0	0	0	0

JUN.NO.	FROM VOL.	TO VOL.	LIQ. VEL. (FT/SEC)	VAP. VEL. (FT/SEC)	MASS FLOW (LB/SEC)	JUN.AREA (FT2)	THROAT RATIO	JUNCTION FLAGS	CHOKE FLAG	NO. ADVS. CHOKED EDIT TOTAL
-36	PIPE	COMPONENT								
36010000	36010000	36020000	727.15	727.15	111.40	0.20100	1.0000	1000	0	0 0
36020000	36020000	36030000	896.02	896.02	111.49	0.20100	1.0000	1000	0	0 0
-96-040	SNGLJUN	COMPONENT								
37000000	96010000	40010000	144.15	144.15	17.906	0.20100	1.0000	0	0	0 10
-38	PIPE	COMPONENT								
38010000	38010000	38020000	53.665	53.665	18.298	0.54800	1.0000	1000	0	0 0
38020000	38020000	38030000	54.335	54.335	18.473	0.54800	1.0000	1000	0	0 0
38030000	38030000	38040000	55.004	55.004	18.623	0.54800	1.0000	1000	0	0 0
38040000	38040000	38050000	55.672	55.672	18.783	0.54800	1.0000	1000	0	0 0
38050000	38050000	38060000	56.342	56.342	19.006	0.54800	1.0000	1000	0	0 0
38060000	38060000	38070000	57.013	57.013	19.449	0.54800	1.0000	1000	0	0 0
-40-38	SNGLJUN	COMPONENT								
39000000	40010000	38010000	77.377	77.377	18.071	0.37500	1.0000	1000	0	0 0
-38-42	SNGLJUN	COMPONENT								
41000000	38070000	42010000	57.691	57.691	21.054	0.54800	1.0000	1000	0	0 0
-42-44	SNGLJUN	COMPONENT								
43000000	42010000	44010000	159.17	159.17	24.118	0.20100	1.0000	100	0	0 148
-44-46	SNGLJUN	COMPONENT								
45000000	44010000	46010000	772.18	772.18	60.622	0.20100	1.0000	100	0	0 150
-46	PIPE	COMPONENT								
46010000	46010000	46020000	230.20	230.20	61.081	0.54800	1.0000	1000	0	0 0
46020000	46020000	46030000	229.99	229.99	61.916	0.54800	1.0000	1000	0	0 0
-46-48	SNGLJUN	COMPONENT								
47000000	46030000	114010000	231.50	231.50	62.809	0.54800	1.0000	1000	0	0 0
-48	PIPE	COMPONENT								
48010000	48010000	48020000	399.91	399.91	66.124	0.54800	1.0000	1000	0	0 0
48020000	48020000	48030000	416.85	416.85	66.913	0.54800	1.0000	1000	0	0 0
48030000	48030000	48040000	422.32	422.32	67.698	0.54800	1.0000	1000	0	0 0
48040000	48040000	48050000	426.57	426.57	68.475	0.54800	1.0000	1000	0	0 0
48050000	48050000	48060000	430.53	430.53	69.245	0.54800	1.0000	1000	0	0 0
48060000	48060000	48070000	434.40	434.40	70.012	0.54800	1.0000	1000	0	0 0
48070000	48070000	48080000	438.17	438.17	70.781	0.54800	1.0000	1000	0	0 0
48080000	48080000	48090000	441.86	441.86	71.560	0.54800	1.0000	1000	0	0 0
-48-50	SNGLJUN	COMPONENT								
49000000	48090000	50010000	445.48	445.48	72.359	0.54800	1.0000	1000	0	0 0
-50	PIPE	COMPONENT								
50010000	50010000	50020000	454.34	454.34	73.206	0.54800	1.0000	1000	0	0 0
50020000	50020000	50030000	458.60	458.60	74.098	0.54800	1.0000	1000	0	0 0
50030000	50030000	50040000	462.21	462.21	75.052	0.54800	1.0000	1000	0	0 0
50040000	50040000	50050000	465.70	465.70	76.086	0.54800	1.0000	1000	0	0 0
-50-52	SNGLJUN	COMPONENT								
51000000	50050000	52010000	469.12	469.12	77.219	0.54800	1.0000	1000	0	0 0
-52-54	SNGLJUN	COMPONENT								
53000000	52010000	54010000	472.37	472.37	78.400	0.54800	1.0000	1000	0	0 0
-54	PIPE	COMPONENT								

54010000	54010000	54020000	497.39	497.39	79.759	0.54800	1.0000	1000	0	0 0
54020000	54020000	54030000	504.09	504.09	81.248	0.54800	1.0000	1000	0	0 0
54030000	54030000	54040000	507.86	507.86	82.909	0.54800	1.0000	1000	0	0 0
54040000	54040000	54050000	511.07	511.07	84.780	0.54800	1.0000	1000	0	0 0
54050000	54050000	54060000	514.18	514.18	86.920	0.54800	1.0000	1000	0	0 0
54060000	54060000	54070000	517.27	517.27	89.440	0.54800	1.0000	1000	0	0 0
54070000	54070000	54080000	520.38	520.38	92.551	0.54800	1.0000	1000	0	0 0
54080000	54080000	54090000	523.50	523.50	96.642	0.54800	1.0000	1000	0	0 0
54090000	54090000	54100000	526.66	526.66	102.37	0.54800	1.0000	1000	0	0 0
54100000	54100000	54110000	529.86	529.86	110.79	0.54800	1.0000	1000	0	0 0
54110000	54110000	54120000	532.99	532.99	123.31	0.54800	1.0000	1000	0	0 0
54120000	54120000	54130000	535.83	535.83	141.94	0.54800	1.0000	1000	0	0 0
54130000	54130000	54140000	539.97	539.97	170.17	0.54800	1.0000	1000	0	0 0
54140000	54140000	54150000	531.16	531.16	203.73	0.54800	1.0000	1000	0	0 0
54150000	54150000	54160000	502.16	546.66	203.86	0.54800	1.0000	1000	0	0 0

48080000	48080000	48090000	441.86	441.86	71.560	0.54800	1.0000	1000	0	0	0
:-48-50 SNGLJUN COMPONENT											
49000000	48090000	50010000	445.48	445.48	72.359	0.54800	1.0000	1000	0	0	0
:-50 PIPE COMPONENT											
50010000	50010000	50020000	454.34	454.34	73.206	0.54800	1.0000	1000	0	0	0
50020000	50020000	50030000	458.60	458.60	74.098	0.54800	1.0000	1000	0	0	0
50030000	50030000	50040000	462.21	462.21	75.052	0.54800	1.0000	1000	0	0	0
50040000	50040000	50050000	465.70	465.70	76.086	0.54800	1.0000	1000	0	0	0
:-50-52 SNGLJUN COMPONENT											
51000000	50050000	52010000	469.12	469.12	77.219	0.54800	1.0000	1000	0	0	0
:-52-54 SNGLJUN COMPONENT											
53000000	52010000	54010000	472.37	472.37	78.400	0.54800	1.0000	1000	0	0	0
:-54 PIPE COMPONENT											

54010000	54010000	54020000	497.39	497.39	79.759	0.54800	1.0000	1000	0	0	0
54020000	54020000	54030000	504.09	504.09	81.248	0.54800	1.0000	1000	0	0	0
54030000	54030000	54040000	507.86	507.86	82.909	0.54800	1.0000	1000	0	0	0
54040000	54040000	54050000	511.07	511.07	84.780	0.54800	1.0000	1000	0	0	0
54050000	54050000	54060000	514.18	514.18	86.920	0.54800	1.0000	1000	0	0	0
54060000	54060000	54070000	517.27	517.27	89.440	0.54800	1.0000	1000	0	0	0
54070000	54070000	54080000	520.38	520.38	92.551	0.54800	1.0000	1000	0	0	0
54080000	54080000	54090000	523.50	523.50	96.642	0.54800	1.0000	1000	0	0	0
54090000	54090000	54100000	526.66	526.66	102.37	0.54800	1.0000	1000	0	0	0
54100000	54100000	54110000	529.86	529.86	110.79	0.54800	1.0000	1000	0	0	0
54110000	54110000	54120000	532.99	532.99	123.31	0.54800	1.0000	1000	0	0	0
54120000	54120000	54130000	535.83	535.83	141.94	0.54800	1.0000	1000	0	0	0
54130000	54130000	54140000	539.97	539.97	170.17	0.54800	1.0000	1000	0	0	0
54140000	54140000	54150000	531.16	531.16	203.73	0.54800	1.0000	1000	0	0	0
54150000	54150000	54160000	502.16	546.66	223.86	0.54800	1.0000	1000	0	0	0
54160000	54160000	54170000	489.91	551.44	233.34	0.54800	1.0000	1000	0	0	0
54170000	54170000	54180000	484.98	555.25	236.88	0.54800	1.0000	1000	0	0	0
54180000	54180000	54190000	484.44	559.19	239.22	0.54800	1.0000	1000	0	0	0
54190000	54190000	54200000	486.15	563.10	242.55	0.54800	1.0000	1000	0	0	0
54200000	54200000	54210000	488.91	567.02	247.50	0.54800	1.0000	1000	0	0	0
54210000	54210000	54220000	492.14	570.99	253.90	0.54800	1.0000	1000	0	0	0
54220000	54220000	54230000	495.59	575.02	261.38	0.54800	1.0000	1000	0	0	0
54230000	54230000	54240000	499.15	579.09	269.53	0.54800	1.0000	1000	0	0	0
54240000	54240000	54250000	502.77	583.18	278.04	0.54800	1.0000	1000	0	0	0
54250000	54250000	54260000	506.44	587.28	286.67	0.54800	1.0000	1000	0	0	0
54260000	54260000	54270000	510.15	591.37	295.27	0.54800	1.0000	1000	0	0	0
54270000	54270000	54280000	513.88	595.44	303.69	0.54800	1.0000	1000	0	0	0
54280000	54280000	54290000	517.63	599.46	311.85	0.54800	1.0000	1000	0	0	0
54290000	54290000	54300000	521.38	603.41	319.66	0.54800	1.0000	1000	0	0	0
54300000	54300000	54310000	525.13	607.27	327.05	0.54800	1.0000	1000	0	0	0
54310000	54310000	54320000	528.83	610.99	333.93	0.54800	1.0000	1000	0	0	0
54320000	54320000	54330000	532.48	614.57	340.26	0.54800	1.0000	1000	0	0	0
54330000	54330000	54340000	536.04	617.97	345.97	0.54800	1.0000	1000	0	0	0
54340000	54340000	54350000	539.47	621.17	351.03	0.54800	1.0000	1000	0	0	0
54350000	54350000	54360000	542.75	624.16	355.40	0.54800	1.0000	1000	0	0	0
54360000	54360000	54370000	545.84	626.89	359.05	0.54800	1.0000	1000	0	0	0
54370000	54370000	54380000	548.72	629.37	361.99	0.54800	1.0000	1000	0	0	0
54380000	54380000	54390000	551.35	631.58	364.21	0.54800	1.0000	1000	0	0	0
54390000	54390000	54400000	553.71	633.50	365.70	0.54800	1.0000	1000	0	0	0
54400000	54400000	54410000	555.79	635.14	366.45	0.54800	1.0000	1000	0	0	0
54410000	54410000	54420000	557.57	636.49	366.45	0.54800	1.0000	1000	0	0	0
54420000	54420000	54430000	559.04	637.57	365.64	0.54800	1.0000	1000	0	0	0
54430000	54430000	54440000	560.18	638.35	363.96	0.54800	1.0000	1000	0	0	0
54440000	54440000	54450000	561.01	638.87	361.33	0.54800	1.0000	1000	0	0	0
54450000	54450000	54460000	561.51	639.15	357.68	0.54800	1.0000	1000	0	0	0
54460000	54460000	54470000	561.70	639.15	352.97	0.54800	1.0000	1000	0	0	0
54470000	54470000	54480000	561.58	638.90	347.19	0.54800	1.0000	1000	0	0	0
54480000	54480000	54490000	561.16	638.39	340.44	0.54800	1.0000	1000	0	0	0
54490000	54490000	54500000	560.47	637.63	332.94	0.54800	1.0000	1000	0	0	0
54500000	54500000	54510000	559.53	636.59	325.00	0.54800	1.0000	1000	0	0	0
54510000	54510000	54520000	558.35	635.27	317.04	0.54800	1.0000	1000	0	0	0
54520000	54520000	54530000	556.96	633.66	309.56	0.54800	1.0000	1000	0	0	0
54530000	54530000	54540000	555.39	631.73	303.04	0.54800	1.0000	1000	0	0	0
54540000	54540000	54550000	553.65	629.46	297.93	0.54800	1.0000	1000	0	0	0
54550000	54550000	54560000	551.76	626.84	294.51	0.54800	1.0000	1000	0	0	0
54560000	54560000	54570000	549.75	623.86	292.89	0.54800	1.0000	1000	0	0	0
54570000	54570000	54580000	547.61	620.49	292.96	0.54800	1.0000	1000	0	0	0
54580000	54580000	54590000	545.36	616.73	294.42	0.54800	1.0000	1000	0	0	0
54590000	54590000	54600000	542.99	612.57	296.78	0.54800	1.0000	1000	0	0	0
54600000	54600000	54610000	540.51	608.04	299.46	0.54800	1.0000	1000	0	0	0

54610000	54610000	54620000	537.92	603.18	301.86	0.54800	1.0000	1000	0	0	0
54620000	54620000	54630000	535.22	598.01	303.44	0.54800	1.0000	1000	0	0	0
54630000	54630000	54640000	532.44	592.60	303.74	0.54800	1.0000	1000	0	0	0
54640000	54640000	54650000	529.58	586.99	302.50	0.54800	1.0000	1000	0	0	0
54650000	54650000	54660000	526.66	581.25	299.60	0.54800	1.0000	1000	0	0	0
54660000	54660000	54670000	523.71	575.42	295.08	0.54800	1.0000	1000	0	0	0
54670000	54670000	54680000	520.76	569.53	289.10	0.54800	1.0000	1000	0	0	0
54680000	54680000	54690000	517.84	563.62	281.95	0.54800	1.0000	1000	0	0	0
54690000	54690000	54700000	514.99	557.69	273.97	0.54800	1.0000	1000	0	0	0
54700000	54700000	54710000	512.21	551.76	265.54	0.54800	1.0000	1000	0	0	0
54710000	54710000	54720000	509.50	545.85	257.04	0.54800	1.0000	1000	0	0	0
54720000	54720000	54730000	506.89	539.93	249.82	0.54800	1.0000	1000	0	0	0
54730000	54730000	54740000	504.39	534.02	241.21	0.54800	1.0000	1000	0	0	0
54740000	54740000	54750000	502.07	528.11	234.50	0.54800	1.0000	1000	0	0	0
54750000	54750000	54760000	499.98	522.18	228.83	0.54800	1.0000	1000	0	0	0

54480000	54480000	54490000	561.16	638.39	340.44	0.54800	1.0000	1000	0	0	0
54490000	54490000	54500000	560.47	637.63	332.94	0.54800	1.0000	1000	0	0	0
54500000	54500000	54510000	559.53	636.59	325.00	0.54800	1.0000	1000	0	0	0
54510000	54510000	54520000	558.35	635.27	317.04	0.54800	1.0000	1000	0	0	0
54520000	54520000	54530000	556.96	633.66	309.56	0.54800	1.0000	1000	0	0	0
54530000	54530000	54540000	555.39	631.73	303.04	0.54800	1.0000	1000	0	0	0
54540000	54540000	54550000	553.65	629.46	297.93	0.54800	1.0000	1000	0	0	0
54550000	54550000	54560000	551.76	626.84	294.51	0.54800	1.0000	1000	0	0	0
54560000	54560000	54570000	549.75	623.86	292.89	0.54800	1.0000	1000	0	0	0
54570000	54570000	54580000	547.61	620.49	292.96	0.54800	1.0000	1000	0	0	0
54580000	54580000	54590000	545.36	616.73	294.42	0.54800	1.0000	1000	0	0	0
54590000	54590000	54600000	542.99	612.57	296.78	0.54800	1.0000	1000	0	0	0
54600000	54600000	54610000	540.51	608.04	299.46	0.54800	1.0000	1000	0	0	0

54610000	54610000	54620000	537.92	603.18	301.86	0.54800	1.0000	1000	0	0	0
54620000	54620000	54630000	535.22	598.01	303.44	0.54800	1.0000	1000	0	0	0
54630000	54630000	54640000	532.44	592.60	303.74	0.54800	1.0000	1000	0	0	0
54640000	54640000	54650000	529.58	586.99	302.50	0.54800	1.0000	1000	0	0	0
54650000	54650000	54660000	526.66	581.25	299.60	0.54800	1.0000	1000	0	0	0
54660000	54660000	54670000	523.71	575.42	295.08	0.54800	1.0000	1000	0	0	0
54670000	54670000	54680000	520.76	569.53	289.10	0.54800	1.0000	1000	0	0	0
54680000	54680000	54690000	517.84	563.62	281.95	0.54800	1.0000	1000	0	0	0
54690000	54690000	54700000	514.99	557.69	273.97	0.54800	1.0000	1000	0	0	0
54700000	54700000	54710000	512.21	551.76	265.54	0.54800	1.0000	1000	0	0	0
54710000	54710000	54720000	509.50	545.85	257.04	0.54800	1.0000	1000	0	0	0
54720000	54720000	54730000	506.89	539.93	248.82	0.54800	1.0000	1000	0	0	0
54730000	54730000	54740000	504.39	534.02	241.21	0.54800	1.0000	1000	0	0	0
54740000	54740000	54750000	502.07	528.11	234.50	0.54800	1.0000	1000	0	0	0
54750000	54750000	54760000	499.98	522.18	228.93	0.54800	1.0000	1000	0	0	0
54760000	54760000	54770000	498.18	516.23	224.67	0.54800	1.0000	1000	0	0	0
54770000	54770000	54780000	496.72	510.26	221.82	0.54800	1.0000	1000	0	0	0
54780000	54780000	54790000	495.65	504.25	220.38	0.54800	1.0000	1000	0	0	0
54790000	54790000	54800000	494.99	498.22	220.32	0.54800	1.0000	1000	0	0	0
54800000	54800000	54810000	494.70	492.15	221.50	0.54800	1.0000	1000	0	0	0
54810000	54810000	54820000	494.73	486.04	223.76	0.54800	1.0000	1000	0	0	0
54820000	54820000	54830000	495.00	479.91	226.85	0.54800	1.0000	1000	0	0	0
54830000	54830000	54840000	495.40	473.73	230.51	0.54800	1.0000	1000	0	0	0
54840000	54840000	54850000	495.85	467.52	234.45	0.54800	1.0000	1000	0	0	0
54850000	54850000	54860000	496.27	461.28	238.35	0.54800	1.0000	1000	0	0	0
54860000	54860000	54870000	496.56	455.01	241.94	0.54800	1.0000	1000	0	0	0
54870000	54870000	54880000	496.60	448.70	244.96	0.54800	1.0000	1000	0	0	0
54880000	54880000	54890000	496.23	442.36	247.21	0.54800	1.0000	1000	0	0	0
54890000	54890000	54900000	495.33	435.95	248.54	0.54800	1.0000	1000	0	0	0
54900000	54900000	54910000	493.83	429.43	248.87	0.54800	1.0000	1000	0	0	0
54910000	54910000	54920000	491.67	422.78	248.20	0.54800	1.0000	1000	0	0	0
54920000	54920000	54930000	488.80	416.00	246.62	0.54800	1.0000	1000	0	0	0
54930000	54930000	54940000	485.15	409.08	244.28	0.54800	1.0000	1000	0	0	0
54940000	54940000	54950000	481.94	401.98	241.41	0.54800	1.0000	1000	0	0	0

C-54-56 SNGLJUN COMPONENT

55000000	54950000	56010000	443.10	395.66	237.98	0.54800	1.0000	1000	0	0	0
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C-56 PIPE COMPONENT

56010000	56010000	56020000	440.87	393.86	232.84	0.54800	1.0000	1000	0	0	0
56020000	56020000	56030000	438.38	387.42	229.09	0.54800	1.0000	1000	0	0	0
56030000	56030000	56040000	435.46	380.38	227.51	0.54800	1.0000	1000	0	0	0
56040000	56040000	56050000	431.87	373.20	228.84	0.54800	1.0000	1000	0	0	0
56050000	56050000	56060000	427.35	365.90	234.22	0.54800	1.0000	1000	0	0	0
56060000	56060000	56070000	421.71	358.42	245.90	0.54800	1.0000	1000	0	0	0
56070000	56070000	56080000	414.80	350.67	267.97	0.54800	1.0000	1000	0	0	0
56080000	56080000	56090000	406.54	342.47	306.91	0.54800	1.0000	1000	0	0	0
56090000	56090000	56100000	396.81	333.52	371.31	0.54800	1.0000	1000	0	0	0
56100000	56100000	56110000	385.45	323.36	469.64	0.54800	1.0000	1000	0	0	0
56110000	56110000	56120000	372.35	311.50	604.55	0.54800	1.0000	1000	0	0	0
56120000	56120000	56130000	357.90	298.23	765.79	0.54800	1.0000	1000	0	0	0
56130000	56130000	56140000	343.03	284.91	927.53	0.54800	1.0000	1000	0	0	0
56140000	56140000	56150000	328.54	273.07	1053.0	0.54800	1.0000	1000	0	0	0
56150000	56150000	56160000	314.67	263.41	1103.1	0.54800	1.0000	1000	0	0	0
56160000	56160000	56170000	301.41	255.94	1053.0	0.54800	1.0000	1000	0	0	0
56170000	56170000	56180000	288.75	250.97	912.34	0.54800	1.0000	1000	0	0	0
56180000	56180000	56190000	275.94	248.64	723.80	0.54800	1.0000	1000	0	0	0
56190000	56190000	56200000	260.64	243.58	530.74	0.54800	1.0000	1000	0	0	0
56200000	56200000	56210000	248.43	248.36	369.64	0.54800	1.0000	1000	0	0	0
56210000	56210000	56220000	243.87	243.87	260.63	0.54800	1.0000	1000	0	0	0
56220000	56220000	56230000	239.00	239.00	187.18	0.54800	1.0000	1000	0	0	0
56230000	56230000	56240000	232.33	232.33	136.03	0.54800	1.0000	1000	0	0	0

56240000	56240000	56250000	225.42	225.42	100.29	0.54800	1.0000	1000	0	0	0
56250000	56250000	56260000	220.17	220.17	75.620	0.54800	1.0000	1000	0	0	0
56260000	56260000	56270000	214.49	214.49	58.221	0.54800	1.0000	1000	0	0	0
56270000	56270000	56280000	205.77	205.77	45.840	0.54800	1.0000	1000	0	0	0
56280000	56280000	56290000	198.68	198.68	37.909	0.54800	1.0000	1000	0	0	0
56290000	56290000	56300000	196.20	196.20	33.320	0.54800	1.0000	1000	0	0	0
56300000	56300000	56310000	195.56	195.56	30.615	0.54800	1.0000	1000	0	0	0
56310000	56310000	56320000	161.45	161.45	23.389	0.54800	1.0000	1000	0	0	0
56320000	56320000	56330000	159.71	159.71	20.161	0.54800	1.0000	1000	0	0	0
56330000	56330000	56340000	156.56	156.56	18.479	0.54800	1.0000	1000	0	0	0
56340000	56340000	56350000	150.30	150.30	17.205	0.54800	1.0000	1000	0	0	0

C-56-58 SNGLJUN COMPONENT

57000000	56350000	58010000	143.02	143.02	16.146	0.54800	1.0000	1000	0	0	0
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C-58 PIPE COMPONENT

58010000	58010000	58020000	136.60	136.60	15.325	0.54800	1.0000	1000	0	0	0
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56100000	56100000	56110000	285.45	327.36	469.64	0.54800	1.0000	1000	0	0	0
56110000	56110000	56120000	372.35	311.50	604.55	0.54800	1.0000	1000	0	0	0
56120000	56120000	56130000	357.90	298.23	765.79	0.54800	1.0000	1000	0	0	0
56130000	56130000	56140000	343.03	284.91	927.53	0.54800	1.0000	1000	0	0	0
56140000	56140000	56150000	328.54	273.07	1053.0	0.54800	1.0000	1000	0	0	0
56150000	56150000	56160000	314.67	263.41	1103.1	0.54800	1.0000	1000	0	0	0
56160000	56160000	56170000	301.41	255.94	1053.0	0.54800	1.0000	1000	0	0	0
56170000	56170000	56180000	288.75	250.97	912.34	0.54800	1.0000	1000	0	0	0
56180000	56180000	56190000	275.94	248.64	723.80	0.54800	1.0000	1000	0	0	0
56190000	56190000	56200000	260.64	243.88	530.74	0.54800	1.0000	1000	0	0	0
56200000	56200000	56210000	248.43	248.36	369.64	0.54800	1.0000	1000	0	0	0
56210000	56210000	56220000	243.87	243.87	260.63	0.54800	1.0000	1000	0	0	0
56220000	56220000	56230000	239.00	239.00	187.18	0.54800	1.0000	1000	0	0	0
56230000	56230000	56240000	232.33	232.33	136.03	0.54800	1.0000	1000	0	0	0

56240000	56240000	56250000	225.42	225.42	100.29	0.54800	1.0000	1000	0	0	0
56250000	56250000	56260000	220.17	220.17	75.620	0.54800	1.0000	1000	0	0	0
56260000	56260000	56270000	214.49	214.49	58.221	0.54800	1.0000	1000	0	0	0
56270000	56270000	56280000	205.77	205.77	45.840	0.54800	1.0000	1000	0	0	0
56280000	56280000	56290000	198.68	198.68	37.909	0.54800	1.0000	1000	0	0	0
56290000	56290000	56300000	196.20	196.20	33.320	0.54800	1.0000	1000	0	0	0
56300000	56300000	56310000	195.56	195.56	30.615	0.54800	1.0000	1000	0	0	0
56310000	56310000	56320000	161.45	161.45	23.389	0.54800	1.0000	1000	0	0	0
56320000	56320000	56330000	159.71	159.71	20.161	0.54800	1.0000	1000	0	0	0
56330000	56330000	56340000	156.56	156.56	18.479	0.54800	1.0000	1000	0	0	0
56340000	56340000	56350000	150.30	150.30	17.205	0.54800	1.0000	1000	0	0	0
C-56-58 SNGLJUN COMPONENT											
57000000	56350000	58010000	143.02	143.02	16.146	0.54800	1.0000	1000	0	0	0
C-58 PIPE COMPONENT											
58010000	58010000	58020000	136.60	136.60	15.325	0.54800	1.0000	1000	0	0	0
58020000	58020000	58030000	131.91	131.91	14.774	0.54800	1.0000	1000	0	0	0
58030000	58030000	58040000	127.34	127.34	14.253	0.54800	1.0000	1000	0	0	0
58040000	58040000	58050000	122.01	122.01	13.641	0.54800	1.0000	1000	0	0	0
58050000	58050000	58060000	116.28	116.28	12.981	0.54800	1.0000	1000	0	0	0
58060000	58060000	58070000	110.73	110.73	12.343	0.54800	1.0000	1000	0	0	0
C-58-60 SNGLJUN COMPONENT											
59000000	58070000	60010000	105.44	105.44	11.738	0.54800	1.0000	1000	0	0	0
C-60 PIPE COMPONENT											
60010000	60010000	60020000	99.699	99.699	11.078	0.54800	1.0000	1000	0	0	0
60020000	60020000	60030000	93.864	93.864	10.415	0.54800	1.0000	1000	0	0	0
C-60-62 SNGLJUN COMPONENT											
61000000	60030000	62010000	88.163	88.163	9.7732	0.54800	1.0000	1000	0	0	0
C-62 PIPE COMPONENT											
62010000	62010000	62020000	83.220	83.220	9.6447	0.54800	1.0000	1000	0	0	0
C-62-64 SNGLJUN COMPONENT											
63000000	62020000	64010000	39.885	59.897	18.331	0.54800	1.0000	1000	0	0	0
C-64-66 SNGLJUN COMPONENT											
65000000	64010000	66010000	44.255	47.590	332.42	0.54800	1.0000	1000	0	0	0
C-66-68 SNGLJUN COMPONENT											
67000000	66010000	68010000	44.195	45.573	783.67	0.54800	1.0000	1000	0	0	0
C-69 BRANCH COMPONENT											
69010000	68010000	69010000	44.553	45.916	1164.6	0.54800	1.0000	1000	0	0	0
69020000	69010000	73010000	50.397	50.397	803.69	0.27300	1.0000	0	0	0	0
69030000	69010000	70010000	22.035	23.166	705.38	0.54800	1.0000	1000	0	0	0
C-70 BRANCH COMPONENT											
70010000	70010000	73010000	29.298	29.298	491.18	0.27300	1.0000	0	0	0	0
70020000	70010000	71010000	7.8204	7.8204	263.17	0.54800	1.0000	1000	0	0	0
C-71-73 SNGLJUN COMPONENT											
72000000	71010000	73010000	15.048	15.048	264.65	0.28500	1.0000	0	0	0	0
C-73-75 SNGLJUN COMPONENT											
74000000	73010000	75010000	0.26076	1.9579	1715.4	106.60	1.0000	1000	0	0	0
C-76 PIPE COMPONENT											
76010000	76010000	76020000	788.02	788.02	111.52	0.20100	1.0000	1000	0	0	0
76020000	76020000	76030000	1001.9	1001.9	111.34	0.20100	1.0000	1000	0	0	0
76030000	76030000	76040000	1140.0	1140.0	111.47	0.20100	1.0000	1000	0	0	0
C-76-044 SNGLJUN COMPONENT											
77000000	76040000	44010000	1257.7	1257.7	111.43	0.20100	1.0000	100	1	130	629
C178-76 VALVE COMPONENT											
78000000	178010000	76010000	1040.6	1041.6	112.39	1.70000E-02	1.0000	100	1	177	1182
C-81-79 SNGLJUN COMPONENT											
80000000	81010000	79010000	84.577	84.577	111.54	0.14700	1.0000	1000	0	0	0
C-83-81 SNGLJUN COMPONENT											
82000000	83020000	81010000	84.420	84.420	111.60	0.14700	1.0000	1000	0	0	0
C-83 PIPE COMPONENT											
83010000	83010000	83020000	-1.62720E-02	-1.62720E-02	-2.15116E-02	0.14700	1.0000	1000	0	0	0

C-85-83 SNGLJUN COMPONENT											
84000000	83020000	85010000	-84.420	-84.420	-111.69	0.14700	1.0000	1000	0	0	0
C-85 PIPE COMPONENT											
85010000	85010000	85020000	2.10461E-02	2.10461E-02	2.78455E-02	0.14700	1.0000	1000	0	0	0
C-87-85 SNGLJUN COMPONENT											
86000000	87010000	85010000	84.626	84.626	111.80	0.14700	1.0000	1000	0	0	0
C-89-87 SNGLJUN COMPONENT											
88000000	89010000	87010000	84.597	84.597	111.86	0.14700	1.0000	1000	0	0	0
C-91-89 SNGLJUN COMPONENT											
90000000	91030000	89010000	84.613	84.613	111.94	0.14700	1.0000	1000	0	0	0
C-91 PIPE COMPONENT											
91010000	91010000	91020000	84.654	84.654	112.17	0.14700	1.0000	1000	0	0	0
91020000	91020000	91030000	84.634	84.634	112.06	0.14700	1.0000	1000	0	0	0
C-01-91 SNGLJUN COMPONENT											
92000000	91010000	91010000	84.379	84.379	112.07	0.14700	1.0000	1000	0	0	0

76010000	76010000	76020000	788.02	788.02	111.52	0.20100	1.0000	1000	0	0	0
76020000	76020000	76030000	1001.9	1001.9	111.34	0.20100	1.0000	1000	0	0	0
76030000	76030000	76040000	1140.0	1140.0	111.47	0.20100	1.0000	1000	0	0	0
C-76-044	SNGLJUN	COMPONENT									
77000000	76040000	44010000	1257.7	1257.7	111.43	0.20100	1.0000	100	1	130	629
C178-76	VALVE	COMPONENT									
78000000	178010000	76010000	1040.6	1041.6	112.39	1.70000E-02	1.0000	100	1	177	1182
C-81-79	SNGLJUN	COMPONENT									
80000000	81010000	79010000	84.577	84.577	111.54	0.14700	1.0000	1000	0	0	0
C-83-81	SNGLJUN	COMPONENT									
82000000	83020000	81010000	84.420	84.420	111.60	0.14700	1.0000	1000	0	0	0
C-83	PIPE	COMPONENT									
83010000	83010000	83020000	-1.62720E-02	-1.62720E-02	-2.15116E-02	0.14700	1.0000	1000	0	0	0

C-85-83	SNGLJUN	COMPONENT									
84000000	83020000	85010000	-84.420	-84.420	-111.69	0.14700	1.0000	1000	0	0	0
C-85	PIPE	COMPONENT									
85010000	85010000	85020000	2.10461E-02	2.10461E-02	2.78455E-02	0.14700	1.0000	1000	0	0	0
C-87-85	SNGLJUN	COMPONENT									
86000000	87010000	85010000	84.626	84.626	111.80	0.14700	1.0000	1000	0	0	0
C-89-87	SNGLJUN	COMPONENT									
88000000	89010000	87010000	84.597	84.597	111.86	0.14700	1.0000	1000	0	0	0
C-91-89	SNGLJUN	COMPONENT									
90000000	91030000	89010000	84.613	84.613	111.94	0.14700	1.0000	1000	0	0	0
C-91	PIPE	COMPONENT									
91010000	91010000	91020000	84.654	84.654	112.17	0.14700	1.0000	1000	0	0	0
91020000	91020000	91030000	84.634	84.634	112.06	0.14700	1.0000	1000	0	0	0
C-01-91	SNGLJUN	COMPONENT									
92000000	1010000	91010000	84.379	84.379	112.29	0.14700	1.0000	0	0	0	0
RD	VALVE	COMPONENT									
94000000	95010000	93010000	946.64	946.64	94.112	0.20100	0.81094	100	1	177	1043
PR-2A	VALVE	COMPONENT									
98000000	198010000	36010000	978.98	1037.1	110.39	1.70000E-02	1.0000	100	1	177	1182
C-100	SNGLJUN	COMPONENT									
100000000	101010000	99010000	84.647	84.647	111.42	0.14700	1.0000	1000	0	0	0
C1-103	SNGLJUN	COMPONENT									
102000000	103020000	101010000	84.627	84.627	111.49	0.14700	1.0000	1000	0	0	0
C-103	PIPE	COMPONENT									
103010000	103010000	103020000	84.642	84.642	111.56	0.14700	1.0000	1000	0	0	0
C5-103	SNGLJUN	COMPONENT									
104000000	105020000	103010000	84.624	84.624	111.63	0.14700	1.0000	1000	0	0	0
C-105	PIPE	COMPONENT									
105010000	105010000	105020000	84.648	84.648	111.74	0.14700	1.0000	1000	0	0	0
C7-105	SNGLJUN	COMPONENT									
106000000	107030000	105010000	84.673	84.673	111.86	0.14700	1.0000	1000	0	0	0
C9-107	SNGLJUN	COMPONENT									
108000000	109010000	107010000	84.645	84.645	111.92	0.14700	1.0000	1000	0	0	0
C11-109	SNGLJUN	COMPONENT									
110000000	111030000	109010000	84.661	84.661	112.01	0.14700	1.0000	1000	0	0	0
C-111	PIPE	COMPONENT									
111010000	111010000	111020000	84.702	84.702	112.24	0.14700	1.0000	1000	0	0	0
111020000	111020000	111030000	84.683	84.683	112.12	0.14700	1.0000	1000	0	0	0
C13-111	SNGLJUN	COMPONENT									
112000000	113010000	111010000	84.425	84.425	112.35	0.14700	1.0000	0	0	0	0
C-114	PIPE	COMPONENT									
114010000	114010000	114020000	233.58	233.58	63.631	0.54800	1.0000	1000	0	0	0
114020000	114020000	114030000	234.97	234.97	64.479	0.54800	1.0000	1000	0	0	0
C-119	SNGLJUN	COMPONENT									
119000000	36030000	136010000	981.81	981.81	111.55	0.20100	1.0000	1000	0	0	0
C-120	SNGLJUN	COMPONENT									
120000000	136010000	97010000	1092.2	1092.2	111.68	0.20100	1.0000	100	0	0	683
C-121	SNGLJUN	COMPONENT									
121000000	97010000	96010000	187.25	187.25	17.772	0.20100	1.0000	100	0	0	3
C-122	SNGLJUN	COMPONENT									
122000000	97010000	95010000	990.69	990.69	94.028	0.20100	0.92039	100	0	0	9
C-123	SNGLJUN	COMPONENT									
123000000	114030000	48010000	236.35	236.35	65.342	0.54800	0.25000	100	1	177	988
RD	VALVE	COMPONENT									
194000000	195020000	193010000	998.35	998.35	75.660	0.18800	0.86702	100	1	177	781
C-195	PIPE	COMPONENT									
195010000	195010000	195020000	952.35	952.35	75.479	0.18800	1.0000	0	0	0	209
C-44-195	SNGLJUN	COMPONENT									
196000000	44010000	195010000	958.29	958.29	75.233	0.20100	1.0000	100	0	0	0
V-INLET	SNGLJUN	COMPONENT									

278000000	79010000	178010000	731.25	731.25	111.46	1.70000E-02	1.0000	100	0	0	0
V-INLET	SNGLJUN	COMPONENT									
298000000	99010000	198010000	731.72	731.72	111.32	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	53.360	0.61348	HRT	TCT	1.590E+17	0.997	0.941	0.941	0.000	0.00	0.00
36020000	54.117	0.48828	HRT	TCT	1.644E+17	0.997	0.470	0.470	0.000	0.00	0.00
37000000	54.013	0.48639	HRT	HST	1.622E+17	0.997	0.563	0.563	0.000	0.00	0.00
38010000	53.992	0.48936	HRT	TST	1.612E+17	0.997	1.00	1.00	1.034E-09	0.00	0.00
38020000	53.993	0.48929	HRT	TST	1.626E+17	0.997	1.00	1.00	5.698E-08	0.00	0.00
38030000	53.993	0.48922	HRT	TST	1.638E+17	0.997	1.00	1.00	1.547E-06	0.00	0.00
38040000	53.993	0.48916	HRT	TST	1.644E+17	0.997	1.00	1.00	2.438E-05	0.00	0.00
38050000	53.995	0.48914	HRT	TST	1.632E+17	0.997	1.00	1.00	2.398E-04	0.00	0.00
38060000	53.998	0.48929	HRT	TST	1.531E+17	0.997	1.00	1.00	1.522E-03	0.00	0.00

C-121	SNGLJUN	COMPONENT											
121000000	97010000	96010000	187.25	187.25	17.772	0.20100	1.0000	100	0	0	3		
C-122	SNGLJUN	COMPONENT											
122000000	97010000	95010000	990.69	990.69	94.028	0.20100	0.92039	100	0	0	9		
C-123	SNGLJUN	COMPONENT											
123000000	114030000	48010000	236.35	236.35	65.342	0.54800	0.25000	100	1	177	988		
RD	VALVE	COMPONENT											
194000000	195020000	193010000	998.35	998.35	75.660	0.18800	0.86702	100	1	177	781		
C-195	PIPE	COMPONENT											
195010000	195010000	195020000	952.35	952.35	75.479	0.18800	1.0000	0	0	0	209		
C-44-195	SNGLJUN	COMPONENT											
196000000	44010000	195010000	958.29	958.29	75.233	0.20100	1.0000	100	0	0	0		
V-INLET	SNGLJUN	COMPONENT											

278000000	79010000	178010000	731.25	731.25	111.46	1.70000E-02	1.0000	100	0	0	0	
V-INLET	SNGLJUN	COMPONENT										
298000000	99010000	198010000	731.72	731.72	111.32	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	53.360	0.61348	HRT	TCT	1.590E+17	0.997	0.941	0.941	0.000	0.00	0.00
36020000	54.117	0.48828	HRT	TCT	1.644E+17	0.997	0.470	0.470	0.000	0.00	0.00
37000000	54.013	0.48639	HRT	MST	1.622E+17	0.997	0.563	0.563	0.000	0.00	0.00
38010000	53.992	0.48936	HRT	TST	1.612E+17	0.997	1.00	1.00	1.034E-09	0.00	0.00
38020000	53.993	0.48929	HRT	TST	1.626E+17	0.997	1.00	1.00	5.698E-08	0.00	0.00
38030000	53.993	0.48922	HRT	TST	1.638E+17	0.997	1.00	1.00	1.547E-06	0.00	0.00
38040000	53.993	0.48916	HRT	TST	1.644E+17	0.997	1.00	1.00	2.436E-05	0.00	0.00
38050000	53.995	0.48914	HRT	TST	1.632E+17	0.997	1.00	1.00	2.398E-04	0.00	0.00
38060000	53.998	0.48929	HRT	TST	1.531E+17	0.997	1.00	1.00	1.522E-03	0.00	0.00
39000000	53.989	0.48975	HRT	MST	1.620E+17	0.997	1.00	1.00	0.000	0.00	0.00
41000000	54.010	0.49001	HRT	TST	1.273E+17	0.996	1.00	1.00	6.285E-03	0.00	0.00
43000000	54.034	0.49158	HRT	MST	1.320E+17	0.995	0.980	0.987	1.611E-02	1.94E-02	0.31
45000000	55.697	0.29207	HRT	MST	1.727E+17	0.998	0.998	0.998	2.558E-03	0.39	0.40
46010000	54.971	0.36711	HRT	MST	1.682E+17	0.997	0.631	0.631	2.780E-03	0.00	0.00
46020000	54.948	0.36995	HRT	MST	1.667E+17	0.997	1.00	1.00	3.316E-03	0.00	0.00
47000000	54.951	0.36990	HRT	MST	1.654E+17	0.997	1.00	1.00	3.936E-03	0.00	0.00
48010000	56.397	0.22491	HRT	MST	1.862E+17	0.998	1.00	1.00	6.131E-03	0.00	0.00
48020000	56.491	0.21720	HRT	MST	1.863E+17	0.998	1.00	1.00	6.510E-03	0.00	0.00
48030000	56.505	0.21596	HRT	MST	1.859E+17	0.998	1.00	1.00	6.889E-03	0.00	0.00
48040000	56.513	0.21538	HRT	MST	1.856E+17	0.998	1.00	1.00	7.271E-03	0.00	0.00
48050000	56.519	0.21494	HRT	MST	1.852E+17	0.998	1.00	1.00	7.652E-03	0.00	0.00
48060000	56.525	0.21453	HRT	MST	1.848E+17	0.998	1.00	1.00	8.031E-03	0.00	0.00
48070000	56.530	0.21413	HRT	MST	1.844E+17	0.998	1.00	1.00	8.402E-03	0.00	0.00
48080000	56.536	0.21375	HRT	MST	1.839E+17	0.998	1.00	1.00	8.761E-03	0.00	0.00
49000000	56.541	0.21338	HRT	MST	1.836E+17	0.998	1.00	1.00	9.101E-03	0.00	0.00
50010000	56.575	0.21068	VRT	MST	1.832E+17	0.998	1.00	1.00	9.412E-03	0.00	0.00
50020000	56.584	0.21000	VRT	MST	1.826E+17	0.998	1.00	1.00	9.690E-03	0.00	0.00
50030000	56.589	0.20960	VRT	MST	1.818E+17	0.998	1.00	1.00	9.919E-03	0.00	0.00
50040000	56.594	0.20924	VRT	MST	1.808E+17	0.998	1.00	1.00	1.009E-02	0.00	0.00
51000000	56.599	0.20887	VRT	MST	1.798E+17	0.998	1.00	1.00	1.019E-02	0.00	0.00
53000000	56.603	0.20850	HRT	MST	1.795E+17	0.998	1.00	1.00	1.022E-02	0.00	0.00
54010000	56.715	0.19948	VRT	MST	1.791E+17	0.998	1.00	1.00	1.015E-02	0.00	0.00
54020000	56.738	0.19767	VRT	MST	1.775E+17	0.998	1.00	1.00	1.003E-02	0.00	0.00
54030000	56.745	0.19702	VRT	MST	1.756E+17	0.998	1.00	1.00	9.830E-03	0.00	0.00
54040000	56.750	0.19656	VRT	MST	1.733E+17	0.998	1.00	1.00	9.566E-03	0.00	0.00
54050000	56.755	0.19612	VRT	MST	1.706E+17	0.998	1.00	1.00	9.248E-03	0.00	0.00
54060000	56.760	0.19566	VRT	MST	1.672E+17	0.997	1.00	1.00	8.890E-03	0.00	0.00
54070000	56.765	0.19517	VRT	MST	1.626E+17	0.997	1.00	1.00	8.510E-03	0.00	0.00
54080000	56.771	0.19464	VRT	MST	1.562E+17	0.997	1.00	1.00	8.126E-03	0.00	0.00
54090000	56.777	0.19407	VRT	MST	1.466E+17	0.997	1.00	1.00	7.755E-03	0.00	0.00
54100000	56.784	0.19346	VRT	MST	1.322E+17	0.996	1.00	1.00	7.417E-03	0.00	0.00
54110000	56.792	0.19276	VRT	MST	1.107E+17	0.995	1.00	1.00	7.126E-03	0.00	0.00
54120000	56.801	0.19204	VRT	MST	7.863E+16	0.994	1.00	1.00	6.896E-03	0.00	0.00
54130000	56.809	0.19131	VRT	MST	3.614E+16	0.993	1.00	1.00	6.736E-03	0.00	0.00
54140000	56.838	0.18913	VRT	MST	1.288E+15	0.991	1.00	1.00	6.648E-03	0.00	0.00
54150000	56.850	0.18818	VRT	TCT	0.427	0.989	1.00	1.00	6.646E-03	0.00	0.00
54160000	56.860	0.18748	VRT	TCT	0.794	0.988	1.00	1.00	6.731E-03	0.00	0.00
54170000	56.870	0.18671	VRT	TCT	1.08	0.988	1.00	1.00	6.902E-03	0.00	0.00
54180000	56.883	0.18574	VRT	TCT	1.26	0.987	1.00	1.00	7.151E-03	0.00	0.00
54190000	56.899	0.18460	VRT	TCT	1.36	0.987	1.00	1.00	7.469E-03	0.00	0.00
54200000	56.916	0.18338	VRT	TCT	1.44	0.987	1.00	1.00	7.847E-03	0.00	0.00
54210000	56.934	0.18210	VRT	TCT	1.50	0.987	1.00	1.00	8.275E-03	0.00	0.00
54220000	56.953	0.18078	VRT	TCT	1.55	0.986	1.00	1.00	8.743E-03	0.00	0.00
54230000	56.972	0.17940	VRT	TCT	1.61	0.986	1.00	1.00	9.240E-03	0.00	0.00

54240000	56.992	0.17798	VRT	TCT	1.66	0.985	1.00	1.00	9.757E-03	0.00	0.00
54250000	57.013	0.17652	VRT	TCT	1.71	0.985	1.00	1.00	1.028E-02	0.00	0.00
54260000	57.035	0.17502	VRT	TCT	1.75	0.985	1.00	1.00	1.081E-02	0.00	0.00
54270000	57.057	0.17349	VRT	TCT	1.78	0.984	1.00	1.00	1.134E-02	0.00	0.00
54280000	57.079	0.17193	VRT	TCT	1.80	0.984	1.00	1.00	1.185E-02	0.00	0.00
54290000	57.102	0.17036	VRT	TCT	1.82	0.983	1.00	1.00	1.235E-02	0.00	0.00
54300000	57.125	0.16878	VRT	TCT	1.82	0.983	1.00	1.00	1.282E-02	0.00	0.00
54310000	57.148	0.16720	VRT	TCT	1.81	0.983	1.00	1.00	1.327E-02	0.00	0.00
54320000	57.171	0.16563	VRT	CTM	1.79	0.982	1.00	1.00	1.370E-02	0.00	0.00
54330000	57.194	0.16408	VRT	CTM	1.76	0.982	1.00	1.00	1.409E-02	0.00	0.00
54340000	57.216	0.16257	VRT	CTM	1.73	0.982	1.00	1.00	1.445E-02	0.00	0.00
54350000	57.238	0.16109	VRT	CTM	1.69	0.982	1.00	1.00	1.478E-02	0.00	0.00
54360000	57.259	0.15966	VRT	CTM	1.64	0.982	1.00	1.00	1.508E-02	0.00	0.00
54370000	57.279	0.15828	VRT	CTM	1.59	0.982	1.00	1.00	1.535E-02	0.00	0.00
54380000	57.299	0.15695	VRT	CTM	1.54	0.982	1.00	1.00	1.558E-02	0.00	0.00

54110000	56.792	0.19276	VRT	MST	1.107E+17	0.995	1.00	1.00	7.126E-03	0.00	0.00
54120000	56.801	0.19204	VRT	MST	7.863E+16	0.994	1.00	1.00	6.896E-03	0.00	0.00
54130000	56.809	0.19131	VRT	MST	3.614E+16	0.993	1.00	1.00	6.736E-03	0.00	0.00
54140000	56.838	0.18913	VRT	MST	1.288E+15	0.991	1.00	1.00	6.648E-03	0.00	0.00
54150000	56.850	0.18818	VRT	TCT	0.427	0.989	1.00	1.00	6.646E-03	0.00	0.00
54160000	56.860	0.18748	VRT	TCT	0.794	0.988	1.00	1.00	6.731E-03	0.00	0.00
54170000	56.870	0.18671	VRT	TCT	1.08	0.988	1.00	1.00	6.902E-03	0.00	0.00
54180000	56.883	0.18574	VRT	TCT	1.26	0.987	1.00	1.00	7.151E-03	0.00	0.00
54190000	56.899	0.18460	VRT	TCT	1.36	0.987	1.00	1.00	7.469E-03	0.00	0.00
54200000	56.916	0.18338	VRT	TCT	1.44	0.987	1.00	1.00	7.847E-03	0.00	0.00
54210000	56.934	0.18210	VRT	TCT	1.50	0.987	1.00	1.00	8.275E-03	0.00	0.00
54220000	56.953	0.18078	VRT	TCT	1.55	0.986	1.00	1.00	8.743E-03	0.00	0.00
54230000	56.972	0.17940	VRT	TCT	1.61	0.986	1.00	1.00	9.240E-03	0.00	0.00

54240000	56.992	0.17798	VRT	TCT	1.66	0.985	1.00	1.00	9.757E-03	0.00	0.00
54250000	57.013	0.17652	VRT	TCT	1.71	0.985	1.00	1.00	1.028E-02	0.00	0.00
54260000	57.035	0.17502	VRT	TCT	1.75	0.985	1.00	1.00	1.081E-02	0.00	0.00
54270000	57.057	0.17349	VRT	TCT	1.78	0.984	1.00	1.00	1.134E-02	0.00	0.00
54280000	57.079	0.17193	VRT	TCT	1.80	0.984	1.00	1.00	1.185E-02	0.00	0.00
54290000	57.102	0.17036	VRT	TCT	1.82	0.983	1.00	1.00	1.235E-02	0.00	0.00
54300000	57.125	0.16878	VRT	TCT	1.82	0.983	1.00	1.00	1.282E-02	0.00	0.00
54310000	57.148	0.16720	VRT	TCT	1.81	0.983	1.00	1.00	1.327E-02	0.00	0.00
54320000	57.171	0.16563	VRT	CTM	1.79	0.982	1.00	1.00	1.370E-02	0.00	0.00
54330000	57.194	0.16408	VRT	CTM	1.76	0.982	1.00	1.00	1.409E-02	0.00	0.00
54340000	57.216	0.16257	VRT	CTM	1.73	0.982	1.00	1.00	1.445E-02	0.00	0.00
54350000	57.238	0.16109	VRT	CTM	1.69	0.982	1.00	1.00	1.478E-02	0.00	0.00
54360000	57.259	0.15966	VRT	CTM	1.64	0.982	1.00	1.00	1.508E-02	0.00	0.00
54370000	57.279	0.15828	VRT	CTM	1.59	0.982	1.00	1.00	1.535E-02	0.00	0.00
54380000	57.299	0.15695	VRT	CTM	1.54	0.982	1.00	1.00	1.558E-02	0.00	0.00
54390000	57.318	0.15566	VRT	CTM	1.49	0.982	1.00	1.00	1.579E-02	0.00	0.00
54400000	57.336	0.15444	VRT	CTM	1.43	0.982	1.00	1.00	1.597E-02	0.00	0.00
54410000	57.354	0.15326	VRT	CTM	1.38	0.982	1.00	1.00	1.611E-02	0.00	0.00
54420000	57.371	0.15214	VRT	CTM	1.33	0.982	1.00	1.00	1.624E-02	0.00	0.00
54430000	57.387	0.15106	VRT	CTM	1.28	0.982	1.00	1.00	1.634E-02	0.00	0.00
54440000	57.403	0.15002	VRT	CTM	1.24	0.982	1.00	1.00	1.641E-02	0.00	0.00
54450000	57.418	0.14903	VRT	CTM	1.19	0.982	1.00	1.00	1.647E-02	0.00	0.00
54460000	57.432	0.14807	VRT	CTM	1.15	0.982	1.00	1.00	1.651E-02	0.00	0.00
54470000	57.447	0.14715	VRT	CTM	1.11	0.983	1.00	1.00	1.652E-02	0.00	0.00
54480000	57.460	0.14626	VRT	TCT	1.06	0.983	1.00	1.00	1.652E-02	0.00	0.00
54490000	57.473	0.14541	VRT	TCT	1.02	0.984	1.00	1.00	1.651E-02	0.00	0.00
54500000	57.485	0.14459	VRT	TCT	0.981	0.984	1.00	1.00	1.649E-02	0.00	0.00
54510000	57.497	0.14381	VRT	TCT	0.941	0.984	1.00	1.00	1.645E-02	0.00	0.00
54520000	57.509	0.14306	VRT	TCT	0.902	0.985	1.00	1.00	1.640E-02	0.00	0.00
54530000	57.520	0.14235	VRT	TCT	0.864	0.985	1.00	1.00	1.635E-02	0.00	0.00
54540000	57.530	0.14168	VRT	TCT	0.826	0.985	1.00	1.00	1.629E-02	0.00	0.00
54550000	57.540	0.14105	VRT	TCT	0.789	0.985	1.00	1.00	1.622E-02	0.00	0.00
54560000	57.549	0.14046	VRT	TCT	0.751	0.985	1.00	1.00	1.616E-02	0.00	0.00
54570000	57.558	0.13992	VRT	TCT	0.712	0.985	1.00	1.00	1.609E-02	0.00	0.00
54580000	57.565	0.13942	VRT	TCT	0.669	0.985	1.00	1.00	1.603E-02	0.00	0.00
54590000	57.572	0.13897	VRT	TCT	0.621	0.985	1.00	1.00	1.596E-02	0.00	0.00
54600000	57.579	0.13857	VRT	TCT	0.569	0.985	1.00	1.00	1.590E-02	0.00	0.00
54610000	57.584	0.13823	VRT	TCT	0.513	0.984	1.00	1.00	1.584E-02	0.00	0.00
54620000	57.589	0.13794	VRT	TCT	0.454	0.984	1.00	1.00	1.578E-02	0.00	0.00
54630000	57.592	0.13769	VRT	TCT	0.396	0.984	1.00	1.00	1.572E-02	0.00	0.00
54640000	57.595	0.13749	VRT	TCT	0.339	0.984	1.00	1.00	1.566E-02	0.00	0.00
54650000	57.598	0.13733	VRT	TCT	0.286	0.984	1.00	1.00	1.560E-02	0.00	0.00
54660000	57.600	0.13721	VRT	TCT	0.237	0.984	1.00	1.00	1.555E-02	0.00	0.00
54670000	57.601	0.13711	VRT	TCT	0.194	0.985	1.00	1.00	1.550E-02	0.00	0.00
54680000	57.602	0.13703	VRT	TCT	0.164	0.985	1.00	1.00	1.545E-02	0.00	0.00
54690000	57.603	0.13698	VRT	TCT	0.146	0.985	1.00	1.00	1.540E-02	0.00	0.00
54700000	57.604	0.13693	VRT	TCT	0.134	0.986	1.00	1.00	1.535E-02	0.00	0.00
54710000	57.604	0.13690	VRT	TCT	0.122	0.986	1.00	1.00	1.531E-02	0.00	0.00
54720000	57.604	0.13688	VRT	TCT	0.110	0.986	1.00	1.00	1.528E-02	0.00	0.00
54730000	57.604	0.13687	VRT	TCT	9.893E-02	0.987	1.00	1.00	1.525E-02	0.00	0.00
54740000	57.604	0.13687	VRT	TCT	8.749E-02	0.987	1.00	1.00	1.522E-02	0.00	0.00
54750000	57.604	0.13689	VRT	TCT	7.581E-02	0.987	1.00	1.00	1.520E-02	0.00	0.00
54760000	57.603	0.13691	VRT	MST	6.354E-02	0.988	1.00	1.00	1.519E-02	0.00	0.00
54770000	57.603	0.13695	VRT	MST	5.014E-02	0.988	1.00	1.00	1.518E-02	0.00	0.00
54780000	57.602	0.13700	VRT	MST	3.443E-02	0.988	1.00	1.00	1.518E-02	0.00	0.00
54790000	57.601	0.13706	VRT	MST	2.277E-02	0.988	1.00	1.00	1.520E-02	0.00	0.00
54800000	57.600	0.13712	VRT	MST	2.679E-02	0.988	1.00	1.00	1.522E-02	0.00	0.00
54810000	57.599	0.13720	VRT	TCT	4.383E-02	0.988	1.00	1.00	1.525E-02	0.00	0.00
54820000	57.598	0.13728	VRT	TCT	6.364E-02	0.987	1.00	1.00	1.530E-02	0.00	0.00
54830000	57.597	0.13737	VRT	TCT	8.353E-02	0.987	1.00	1.00	1.537E-02	0.00	0.00

54840000	57.595	0.13747	VRT	TCT	0.104	0.987	1.00	1.00	1.545E-02	0.00	0.00
54850000	57.594	0.13759	VRT	TCT	0.125	0.987	1.00	1.00	1.555E-02	0.00	0.00
54860000	57.592	0.13773	VRT	TCT	0.153	0.986	1.00	1.00	1.568E-02	0.00	0.00
54870000	57.590	0.13788	VRT	TCT	0.202	0.986	1.00	1.00	1.582E-02	0.00	0.00
54880000	57.587	0.13807	VRT	TCT	0.279	0.986	1.00	1.00	1.598E-02	0.00	0.00
54890000	57.584	0.13832	VRT	TCT	0.375	0.986	1.00	1.00	1.617E-02	0.00	0.00
54900000	57.580	0.13862	VRT	TCT	0.481	0.986	1.00	1.00	1.637E-02	0.00	0.00
54910000	57.574	0.13901	VRT	TCT	0.592	0.986	1.00	1.00	1.660E-02	0.00	0.00
54920000	57.567	0.13948	VRT	TCT	0.703	0.986	1.00	1.00	1.685E-02	0.00	0.00
54930000	57.559	0.14005	VRT	TCT	0.828	0.986	1.00	1.00	1.712E-02	0.00	0.00
54940000	57.550	0.14072	VRT	TCT	0.746	0.986	1.00	1.00	1.741E-02	0.00	0.00
55000000	57.541	0.14134	VRT	TCT	0.351	0.985	1.00	1.00	1.772E-02	0.00	0.00
56010000	57.549	0.14068	HRT	TCT	0.210	0.985	1.00	1.00	1.804E-02	0.00	0.00
56020000	57.550	0.14074	HRT	TCT	0.252	0.985	1.00	1.00	1.851E-02	0.00	0.00
56030000	57.548	0.14098	HRT	TCT	0.321	0.985	1.00	1.00	1.903E-02	0.00	0.00
56040000	57.544	0.14130	HRT	TCT	0.381	0.985	1.00	1.00	1.960E-02	0.00	0.00

54700000	57.604	0.13693	VRT	TCT	0.134	0.986	1.00	1.00	1.535E-02	0.00	0.00
54710000	57.604	0.13690	VRT	TCT	0.122	0.988	1.00	1.00	1.531E-02	0.00	0.00
54720000	57.604	0.13688	VRT	TCT	0.110	0.988	1.00	1.00	1.528E-02	0.00	0.00
54730000	57.604	0.13687	VRT	TCT	9.893E-02	0.987	1.00	1.00	1.525E-02	0.00	0.00
54740000	57.604	0.13687	VRT	TCT	8.749E-02	0.987	1.00	1.00	1.522E-02	0.00	0.00
54750000	57.604	0.13689	VRT	TCT	7.581E-02	0.987	1.00	1.00	1.520E-02	0.00	0.00
54760000	57.603	0.13691	VRT	MST	6.354E-02	0.988	1.00	1.00	1.519E-02	0.00	0.00
54770000	57.603	0.13695	VRT	MST	5.014E-02	0.988	1.00	1.00	1.518E-02	0.00	0.00
54780000	57.602	0.13700	VRT	MST	3.443E-02	0.988	1.00	1.00	1.518E-02	0.00	0.00
54790000	57.601	0.13706	VRT	MST	2.277E-02	0.988	1.00	1.00	1.520E-02	0.00	0.00
54800000	57.600	0.13712	VRT	MST	2.679E-02	0.988	1.00	1.00	1.522E-02	0.00	0.00
54810000	57.599	0.13720	VRT	TCT	4.383E-02	0.988	1.00	1.00	1.525E-02	0.00	0.00
54820000	57.598	0.13728	VRT	TCT	6.364E-02	0.987	1.00	1.00	1.530E-02	0.00	0.00
54830000	57.597	0.13737	VRT	TCT	8.353E-02	0.987	1.00	1.00	1.537E-02	0.00	0.00

54840000	57.595	0.13747	VRT	TCT	0.104	0.987	1.00	1.00	1.545E-02	0.00	0.00
54850000	57.594	0.13759	VRT	TCT	0.125	0.987	1.00	1.00	1.555E-02	0.00	0.00
54860000	57.592	0.13773	VRT	TCT	0.153	0.986	1.00	1.00	1.568E-02	0.00	0.00
54870000	57.590	0.13788	VRT	TCT	0.202	0.986	1.00	1.00	1.582E-02	0.00	0.00
54880000	57.587	0.13807	VRT	TCT	0.279	0.986	1.00	1.00	1.598E-02	0.00	0.00
54890000	57.584	0.13832	VRT	TCT	0.375	0.986	1.00	1.00	1.617E-02	0.00	0.00
54900000	57.580	0.13862	VRT	TCT	0.481	0.986	1.00	1.00	1.637E-02	0.00	0.00
54910000	57.574	0.13901	VRT	TCT	0.592	0.986	1.00	1.00	1.660E-02	0.00	0.00
54920000	57.567	0.13948	VRT	TCT	0.703	0.986	1.00	1.00	1.685E-02	0.00	0.00
54930000	57.559	0.14005	VRT	TCT	0.828	0.986	1.00	1.00	1.712E-02	0.00	0.00
54940000	57.550	0.14072	VRT	TCT	0.746	0.986	1.00	1.00	1.741E-02	0.00	0.00
55000000	57.541	0.14134	VRT	TCT	0.351	0.985	1.00	1.00	1.772E-02	0.00	0.00
56010000	57.549	0.14068	HRT	TCT	0.210	0.985	1.00	1.00	1.804E-02	0.00	0.00
56020000	57.550	0.14074	HRT	TCT	0.252	0.985	1.00	1.00	1.851E-02	0.00	0.00
56030000	57.548	0.14098	HRT	TCT	0.321	0.985	1.00	1.00	1.903E-02	0.00	0.00
56040000	57.544	0.14130	HRT	TCT	0.401	0.985	1.00	1.00	1.961E-02	0.00	0.00
56050000	57.540	0.14172	HRT	TCT	0.492	0.984	1.00	1.00	2.033E-02	0.00	0.00
56060000	57.534	0.14225	HRT	TCT	0.597	0.983	1.00	1.00	2.136E-02	0.00	0.00
56070000	57.528	0.14294	HRT	TCT	0.731	0.981	1.00	1.00	2.318E-02	0.00	0.00
56080000	57.522	0.14387	HRT	CTM	0.913	0.978	1.00	1.00	2.698E-02	0.00	0.00
56090000	57.521	0.14524	HRT	CTM	1.17	0.972	1.00	1.00	3.538E-02	0.00	0.00
56100000	57.531	0.14740	HRT	CTM	1.54	0.963	1.00	1.00	5.309E-02	0.00	0.00
56110000	57.560	0.15085	HRT	CTM	2.03	0.950	1.00	1.00	8.614E-02	0.00	0.00
56120000	57.616	0.15612	HRT	CTM	2.60	0.934	1.00	1.00	0.138	0.00	0.00
56130000	57.699	0.16338	HRT	CTM	3.09	0.916	1.00	1.00	0.207	0.00	0.00
56140000	57.803	0.17224	HRT	CTM	3.22	0.901	1.00	1.00	0.283	0.00	0.00
56150000	57.921	0.18171	HRT	CTM	2.80	0.891	1.00	1.00	0.358	0.00	0.00
56160000	58.050	0.19077	HRT	CTM	1.97	0.892	1.00	1.00	0.427	0.00	0.00
56170000	58.191	0.19902	HRT	CTM	1.07	0.903	1.00	1.00	0.489	0.00	0.00
56180000	58.351	0.20625	HRT	CTM	0.433	0.920	1.00	1.00	0.547	0.00	0.00
56190000	58.532	0.21369	HRT	CTM	0.664	0.939	1.00	1.00	0.603	0.00	0.00
56200000	58.731	0.22240	HRT	TCT	0.218E+04	0.957	1.00	1.00	0.659	0.00	0.00
56210000	58.939	0.23266	HRT	TCT	9.955E+06	0.970	1.00	1.00	0.711	0.00	0.00
56220000	59.152	0.24104	HRT	MST	5.465E+10	0.979	1.00	1.00	0.755	0.00	0.00
56230000	59.357	0.24915	HRT	MST	2.843E+14	0.986	1.00	1.00	0.792	0.00	0.00
56240000	59.543	0.25670	HRT	MST	5.393E+16	0.990	1.00	1.00	0.822	0.00	0.00
56250000	59.707	0.26267	HRT	MST	1.118E+17	0.993	1.00	1.00	0.845	0.00	0.00
56260000	59.844	0.26675	HRT	MST	1.521E+17	0.996	1.00	1.00	0.862	0.00	0.00
56270000	59.944	0.27034	HRT	MST	1.791E+17	0.997	1.00	1.00	0.873	0.00	0.00
56280000	60.009	0.27339	SGP	INV	1.940E+17	0.998	1.00	1.00	0.881	0.00	0.00
56290000	60.052	0.27449	SGP	INV	1.940E+17	0.999	1.00	1.00	0.885	0.00	0.00
56300000	60.081	0.27398	SGP	INV	1.940E+17	0.999	1.00	1.00	0.888	0.00	0.00
56310000	60.158	0.26435	SGP	INV	1.940E+17	1.00	1.00	1.00	0.894	0.00	0.00
56320000	60.460	0.23036	SGP	INV	1.940E+17	1.00	1.00	1.00	0.922	0.00	0.00
56330000	60.659	0.21538	SGP	INV	1.940E+17	1.00	1.00	1.00	0.937	0.00	0.00
56340000	60.763	0.20887	SGP	INV	1.940E+17	1.00	1.00	1.00	0.943	0.00	0.00
57000000	60.809	0.20601	SGP	INV	1.940E+17	1.00	1.00	1.00	0.946	0.00	0.00
58010000	60.828	0.20472	SGP	INV	1.940E+17	1.00	1.00	1.00	0.947	0.00	0.00
58020000	60.835	0.20437	SGP	INV	1.940E+17	1.00	1.00	1.00	0.947	0.00	0.00
58030000	60.837	0.20423	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58040000	60.840	0.20401	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58050000	60.842	0.20370	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58060000	60.844	0.20340	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
59000000	60.846	0.20314	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
60010000	60.849	0.20276	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
60020000	60.851	0.20247	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
61000000	60.852	0.20228	SGP	INV	1.940E+17	1.00	1.00	1.00	0.947	0.00	0.00
62010000	60.708	0.21148	VRT	MST	1.940E+17	1.00	1.00	1.00	0.938	0.00	0.00
63000000	60.706	0.28529	VRT	ANN	2.406E-02	0.993	0.377	0.377	0.938	0.00	0.00
65000000	61.694	0.31270	HRT	CTT	58.0	0.782	0.000	0.000	0.979	0.00	0.00

67000000	61.717	0.30544	HRT	CTT	141.	0.478	0.000	0.000	0.982	0.00	0.00
69010000	61.721	0.27863	HRT	CTB	77.4	0.228	0.000	0.000	0.981	0.00	0.00
69020000	61.719	0.18750	SGP	INV	1.940E+17	5.371E-02	0.000	0.000	0.977	0.00	0.00
69030000	61.719	0.18750	HRT	CTB	12.0	5.371E-02	0.000	0.000	0.977	0.00	0.00
70010000	61.717	0.12830	SGP	INV	1.940E+17	5.001E-03	0.000	0.000	0.975	0.00	0.00
70020000	61.717	0.12830	HRT	TCT	1.614E+17	5.001E-03	0.000	0.000	0.975	0.00	0.00
72000000	61.716	9.52386E-02	SGP	INV	1.940E+17	1.145E-04	0.000	0.000	0.973	0.00	0.00
74000000	61.714	5.32680E-02	VRT	SLG	7.74	8.853E-05	0.249	0.249	0.956	0.00	0.00
76010000	53.678	0.57103	HRT	TCT	1.657E+17	0.997	0.941	0.941	0.000	0.00	0.00
76020000	54.528	0.43881	HRT	TCT	1.721E+17	0.997	0.470	0.470	0.000	0.00	0.00
76030000	54.939	0.38108	HRT	TCT	1.754E+17	0.998	0.000	0.000	0.000	0.00	0.00
77000000	55.240	0.34229	HRT	TCT	1.769E+17	0.998	0.998	0.998	0.000	0.00	0.00
78000000	38.832	5.3925	HRT	CTM	0.138E+04	0.971	0.973	0.971	0.000	0.82	0.83
80000000	33.005	8.9714	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
82000000	32.930	8.9910	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00

58010000	60.828	0.20472	SGP	INV	1.940E+17	1.00	1.00	1.00	0.947	0.00	0.00
58020000	60.835	0.20437	SGP	INV	1.940E+17	1.00	1.00	1.00	0.947	0.00	0.00
58030000	60.837	0.20423	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58040000	60.840	0.20401	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58050000	60.842	0.20370	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58060000	60.844	0.20340	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
59000000	60.846	0.20314	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
60010000	60.849	0.20276	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
60020000	60.851	0.20247	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
61000000	60.852	0.20228	SGP	INV	1.940E+17	1.00	1.00	1.00	0.947	0.00	0.00
62010000	60.708	0.21148	VRT	MST	1.940E+17	1.00	1.00	1.00	0.938	0.00	0.00
63000000	60.706	0.28529	VRT	ANN	2.406E-02	0.993	0.377	0.377	0.938	0.00	0.00
65000000	61.694	0.31270	HRT	CTT	58.0	0.782	0.000	0.000	0.979	0.00	0.00

67000000	61.717	0.30544	HRT	CTT	141.	0.478	0.000	0.000	0.982	0.00	0.00
69010000	61.721	0.27863	HRT	CTB	77.4	0.228	0.000	0.000	0.981	0.00	0.00
69020000	61.719	0.18750	SGP	INV	1.940E+17	5.371E-02	0.000	0.000	0.977	0.00	0.00
69030000	61.719	0.18750	HRT	CTB	12.0	5.371E-02	0.000	0.000	0.977	0.00	0.00
70010000	61.717	0.12830	SGP	INV	1.940E+17	5.001E-03	0.000	0.000	0.975	0.00	0.00
70020000	61.717	0.12830	HRT	TCT	1.614E+17	5.001E-03	0.000	0.000	0.975	0.00	0.00
72000000	61.716	9.52386E-02	SGP	INV	1.940E+17	1.145E-04	0.000	0.000	0.973	0.00	0.00
74000000	61.714	5.32680E-02	VRT	SLG	7.74	8.853E-05	0.249	0.249	0.956	0.00	0.00
76010000	53.678	0.57103	HRT	TCT	1.657E+17	0.997	0.941	0.941	0.000	0.00	0.00
76020000	54.528	0.43881	HRT	TCT	1.721E+17	0.997	0.470	0.470	0.000	0.00	0.00
76030000	54.939	0.38108	HRT	TCT	1.754E+17	0.998	0.000	0.000	0.000	0.00	0.00
77000000	55.240	0.34229	HRT	TCT	1.769E+17	0.998	0.998	0.998	0.000	0.00	0.00
78000000	38.832	5.3925	HRT	CTM	0.138E+04	0.971	0.973	0.971	0.000	0.82	0.83
80000000	33.005	8.9714	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
82000000	32.930	8.9932	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
83010000	32.930	8.9932	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
84000000	32.916	9.0005	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
85010000	32.916	9.0005	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
86000000	32.989	8.9869	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
88000000	32.973	8.9951	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
90000000	32.970	9.0002	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
91010000	32.963	9.0141	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
91020000	32.967	9.0071	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
92000000	32.842	9.0527	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
94000000	54.827	0.38267	HRT	TCT	1.713E+17	0.997	0.998	0.997	0.000	1.0	2.2
98000000	38.854	5.3806	HRT	CTM	0.581	0.971	0.995	0.971	0.000	0.21	0.84
100000000	33.024	8.9545	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
102000000	33.011	8.9618	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
103010000	33.009	8.9658	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
104000000	32.995	8.9738	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
105010000	32.992	8.9803	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
106000000	32.990	8.9867	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
108000000	32.974	8.9948	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
110000000	32.971	9.0000	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
111010000	32.963	9.0141	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
111020000	32.967	9.0070	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
112000000	32.842	9.0527	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
114010000	54.963	0.36871	HRT	MST	1.640E+17	0.997	1.00	1.00	4.541E-03	0.00	0.00
114020000	54.966	0.36856	HRT	MST	1.624E+17	0.997	1.00	1.00	5.201E-03	0.00	0.00
119000000	54.417	0.44075	HRT	TCT	1.683E+17	0.997	0.000	0.000	0.000	0.00	0.00
120000000	54.747	0.39474	HRT	TCT	1.716E+17	0.997	0.997	0.997	0.000	0.00	0.00
121000000	54.998	0.36509	HRT	MST	1.670E+17	0.998	0.998	0.998	0.000	0.00	0.00
122000000	54.998	0.36509	HRT	TCT	1.724E+17	0.998	0.998	0.998	0.000	5.50E-03	6.34E-0
123000000	54.970	0.36845	HRT	TCT	1.619E+17	0.997	0.997	0.990	5.906E-03	5.47E-03	30.
194000000	55.573	0.30150	HRT	TCT	1.760E+17	0.998	0.998	0.997	2.756E-03	1.0	1.8
195010000	55.443	0.31494	HRT	MST	1.748E+17	0.998	0.483	0.483	2.665E-03	0.00	0.00
196000000	55.697	0.29207	HRT	MST	1.757E+17	0.998	0.998	0.998	2.558E-03	0.00	0.00
278000000	33.007	8.9664	HRT	CTM	1.435E+17	1.00	1.00	1.00	0.000	0.37	0.37
298000000	33.026	8.9495	HRT	CTM	1.442E+17	1.00	1.00	1.00	0.000	0.37	0.37

CONTROL VARIABLE EDIT

1 PSV FUNCTION 1.0000

---RESTART NO. 1244 WRITTEN, BLOCK NO. 3---

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

TIME (SEC)	P 38010000 (LF/IN2)	TEMP 97010000 (DEGF)	P 97010000 (LF/IN2)	TEMP 36010000 (DEGF)	P 36010000 (LF/IN2)	TEMP 96010000 (DEGF)	P 96010000 (LF/IN2)	TEMP 38010000 (DEGF)	P 38010000 (LF/IN2)
0.30000	224.69	365.85	164.65	406.82	267.04	391.15	223.29	391.68	224.69
0.30100	224.44	365.69	164.34	406.76	266.88	391.04	223.02	391.59	224.44
0.30200	224.19	365.55	164.04	406.71	266.72	390.94	222.75	391.49	224.19
0.30300	223.95	365.40	163.74	406.66	266.57	390.84	222.49	391.40	223.95
0.30400	223.72	365.26	163.46	406.61	266.43	390.74	222.24	391.31	223.72
0.30500	223.50	365.12	163.17	406.56	266.28	390.65	221.99	391.23	223.50
0.30600	223.27	364.99	162.90	406.52	266.15	390.55	221.74	391.14	223.27
0.30700	223.05	364.85	162.63	406.47	266.01	390.46	221.50	391.06	223.05
0.30800	222.84	364.72	162.36	406.43	265.88	390.37	221.27	390.97	222.84
0.30900	222.62	364.59	162.10	406.39	265.76	390.28	221.03	390.89	222.62

196000000	55.697	0.29207	HRT	MST	1.757E+17	0.998	0.998	0.998	2.558E-03	0.00	0.00
278000000	33.007	8.9664	HRT	CTM	1.435E+17	1.00	1.00	1.00	0.000	0.37	0.37
298000000	33.026	8.9495	HRT	CTM	1.442E+17	1.00	1.00	1.00	0.000	0.37	0.37

CONTROL VARIABLE EDIT
 1 PSV FUNCTION 1.0000

---RESTART NO. 1244 WRITTEN, BLOCK NO. 3---

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

TIME (SEC)	P 38010000 (LF/IN2)	TEMP 97010000 (DEGF)	P 97010000 (LF/IN2)	TEMP 36010000 (DEGF)	P 36010000 (LF/IN2)	TEMP 96010000 (DEGF)	P 96010000 (LF/IN2)	TEMP 38010000 (DEGF)	P 38010000 (LF/IN2)
0.30000	224.69	365.85	164.65	406.82	267.04	391.15	223.29	391.68	224.69
0.30100	224.44	365.69	164.34	406.76	266.88	391.04	223.02	391.59	224.44
0.30200	224.19	365.55	164.04	406.71	266.72	390.94	222.75	391.49	224.19
0.30300	223.95	365.40	163.74	406.66	266.57	390.84	222.49	391.40	223.95
0.30400	223.72	365.26	163.46	406.61	266.43	390.74	222.24	391.31	223.72
0.30500	223.50	365.12	163.17	406.56	266.28	390.65	221.99	391.23	223.50
0.30600	223.27	364.99	162.90	406.52	266.15	390.55	221.74	391.14	223.27
0.30700	223.05	364.85	162.63	406.47	266.01	390.46	221.50	391.06	223.05
0.30800	222.84	364.72	162.36	406.43	265.88	390.37	221.27	390.97	222.84
0.30900	222.62	364.59	162.10	406.39	265.76	390.28	221.03	390.89	222.62
0.31000	222.41	364.46	161.84	406.34	265.63	390.19	220.80	390.81	222.41
0.31100	222.21	364.34	161.58	406.30	265.51	390.10	220.57	390.73	222.21
0.31200	222.00	364.21	161.33	406.26	265.39	390.01	220.35	390.65	222.00
0.31300	221.80	364.09	161.08	406.22	265.27	389.92	220.13	390.57	221.80
0.31400	221.58	363.96	160.83	406.18	265.16	389.84	219.90	390.49	221.58
0.31500	221.35	363.84	160.58	406.14	265.04	389.74	219.66	390.40	221.35
0.31600	221.13	363.70	160.31	406.10	264.92	389.64	219.40	390.31	221.13
0.31700	220.92	363.57	160.04	406.07	264.81	389.55	219.17	390.23	220.92
0.31800	220.72	363.43	159.77	406.03	264.69	389.46	218.93	390.15	220.72
0.31900	220.53	363.30	159.51	405.99	264.57	389.37	218.71	390.08	220.53
0.32000	220.33	363.18	159.26	405.95	264.45	389.29	218.49	390.00	220.33
0.32100	220.16	363.06	159.01	405.91	264.33	389.21	218.28	389.94	220.16
0.32200	219.96	362.94	158.78	405.87	264.22	389.13	218.09	389.86	219.96
0.32300	219.76	362.83	158.56	405.83	264.11	389.04	217.87	389.78	219.76
0.32400	219.61	362.71	158.33	405.79	264.00	388.96	217.66	389.73	219.61
0.32500	219.45	362.61	158.12	405.76	263.89	388.90	217.50	389.66	219.45
0.32600	219.26	362.51	157.92	405.72	263.79	388.82	217.31	389.59	219.26
0.32700	219.12	362.40	157.72	405.69	263.70	388.75	217.11	389.53	219.12
0.32800	218.98	362.31	157.52	405.66	263.60	388.69	216.96	389.48	218.98
0.32900	218.80	362.22	157.35	405.63	263.51	388.63	216.80	389.41	218.80
0.33000	218.67	362.12	157.16	405.60	263.43	388.55	216.61	389.36	218.67
0.33100	218.56	362.03	156.97	405.57	263.34	388.49	216.47	389.31	218.56
0.33200	218.39	361.95	156.82	405.55	263.26	388.44	216.34	389.25	218.39
0.33300	218.24	361.86	156.65	405.52	263.19	388.37	216.16	389.19	218.24
0.33400	218.20	361.77	156.47	405.49	263.11	388.31	216.01	389.17	218.20
0.33500	218.14	361.70	156.34	405.47	263.04	388.29	215.96	389.15	218.14
0.33600	217.99	361.66	156.25	405.45	262.97	388.26	215.88	389.09	217.99
0.33700	217.80	361.60	156.14	405.43	262.91	388.19	215.71	389.01	217.80
0.33800	217.70	361.52	155.97	405.41	262.86	388.12	215.52	388.98	217.70
0.33900	217.70	361.44	155.81	405.39	262.80	388.09	215.44	388.98	217.70
0.34000	217.65	361.39	155.71	405.37	262.74	388.08	215.42	388.96	217.65
0.34100	217.51	361.36	155.65	405.35	262.69	388.05	215.35	388.90	217.51
0.34200	217.35	361.31	155.56	405.33	262.64	387.99	215.19	388.84	217.35
0.34300	217.22	361.23	155.41	405.32	262.60	387.92	215.03	388.79	217.22
0.34400	217.14	361.15	155.25	405.31	262.56	387.87	214.90	388.76	217.14
0.34500	217.08	361.08	155.11	405.29	262.51	387.83	214.80	388.73	217.08
0.34600	217.05	361.02	154.99	405.27	262.46	387.81	214.73	388.72	217.05
0.34700	217.03	360.98	154.91	405.25	262.40	387.79	214.69	388.71	217.03
0.34800	217.00	360.95	154.86	405.24	262.35	387.78	214.66	388.70	217.00
0.34900	216.96	360.93	154.82	405.22	262.31	387.77	214.63	388.69	216.96

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)	TEMP 48010000 (DEGF)	P 48010000 (LF/IN2)
0.30000	390.66	224.48	399.88	246.91	346.90	129.49	366.61	166.89	99.225	
0.30100	390.62	224.23	399.88	246.92	346.61	128.99	366.44	166.50	98.603	
0.30200	390.58	223.98	399.88	246.93	346.33	128.50	366.28	166.14	98.028	
0.30300	390.53	223.75	399.89	246.95	346.06	128.03	366.13	165.80	97.497	
0.30400	390.49	223.51	399.89	246.96	345.79	127.57	365.99	165.47	97.005	
0.30500	390.45	223.28	399.90	246.97	345.53	127.13	365.85	165.17	96.547	
0.30600	390.40	223.05	399.90	246.98	345.28	126.69	365.72	164.88	96.118	
0.30700	390.36	222.83	399.91	246.99	345.03	126.27	365.61	164.61	95.713	
0.30800	390.31	222.62	399.91	247.00	344.80	125.88	365.49	164.35	95.329	

0.34200	217.35	361.11	155.56	405.33	262.64	387.99	215.19	388.84	217.35
0.34300	217.22	361.23	155.41	405.32	262.60	387.92	215.03	388.79	217.22
0.34400	217.14	361.15	155.25	405.31	262.56	387.87	214.90	388.76	217.14
0.34500	217.08	361.08	155.11	405.29	262.51	387.83	214.80	388.73	217.08
0.34600	217.05	361.02	154.99	405.27	262.46	387.81	214.73	388.72	217.05
0.34700	217.03	360.98	154.91	405.25	262.40	387.79	214.69	388.71	217.03
0.34800	217.00	360.95	154.86	405.24	262.35	387.78	214.66	388.70	217.00
0.34900	216.96	360.93	154.82	405.22	262.31	387.77	214.63	388.69	216.96

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)
0.30000	390.66	224.48	399.88	246.91	346.90	129.49	366.61	166.89	99.225
0.30100	390.62	224.23	399.88	246.92	346.61	128.99	366.44	166.50	98.603
0.30200	390.58	223.98	399.88	246.93	346.33	128.50	366.28	166.14	98.028
0.30300	390.53	223.75	399.89	246.95	346.06	128.03	366.13	165.80	97.497
0.30400	390.49	223.51	399.89	246.96	345.79	127.57	365.99	165.47	97.005
0.30500	390.45	223.28	399.90	246.97	345.53	127.13	365.85	165.17	96.547
0.30600	390.40	223.05	399.90	246.98	345.28	126.69	365.72	164.88	96.118
0.30700	390.36	222.83	399.91	246.99	345.03	126.27	365.61	164.61	95.713
0.30800	390.31	222.62	399.91	247.00	344.80	125.88	365.49	164.35	95.329
0.30900	390.27	222.41	399.91	247.01	344.56	125.48	365.39	164.11	94.961
0.31000	390.22	222.19	399.92	247.02	344.34	125.10	365.28	163.88	94.606
0.31100	390.17	221.98	399.92	247.04	343.97	124.48	365.19	163.67	94.264
0.31200	390.08	221.67	399.92	247.04	343.69	124.02	365.11	163.49	93.936
0.31300	390.07	221.57	399.93	247.06	343.63	123.91	365.07	163.38	93.627
0.31400	389.99	221.29	399.93	247.07	343.12	123.08	364.97	163.17	93.324
0.31500	389.94	221.11	399.94	247.08	343.26	123.31	364.89	162.98	93.015
0.31600	389.90	220.94	399.94	247.09	342.87	122.66	364.85	162.88	92.734
0.31700	389.81	220.64	399.94	247.10	342.73	122.42	364.75	162.67	92.448
0.31800	389.82	220.61	399.95	247.11	342.73	122.42	364.73	162.62	92.180
0.31900	389.72	220.30	399.95	247.12	342.27	121.67	364.65	162.44	91.921
0.32000	389.63	220.03	399.96	247.14	342.23	121.61	364.59	162.30	91.651
0.32100	389.67	220.07	399.96	247.15	342.33	121.77	364.60	162.31	91.418
0.32200	389.57	219.79	399.96	247.16	341.90	121.07	364.49	162.08	91.170
0.32300	389.47	219.50	399.97	247.17	341.59	120.57	364.42	161.92	90.904
0.32400	389.51	219.56	399.97	247.18	341.97	121.17	364.45	161.98	90.683
0.32500	389.43	219.31	399.98	247.19	341.59	120.56	364.38	161.82	90.461
0.32600	389.33	219.02	399.98	247.21	341.27	120.04	364.29	161.62	90.205
0.32700	389.35	219.04	399.99	247.22	341.62	120.60	364.32	161.67	89.988
0.32800	389.30	218.88	399.99	247.23	341.34	120.15	364.28	161.59	89.785
0.32900	389.20	218.61	399.99	247.24	341.04	119.66	364.17	161.36	89.543
0.33000	389.13	218.42	400.00	247.25	340.89	119.42	364.18	161.37	89.327
0.33100	389.21	218.60	400.00	247.26	341.41	120.26	364.20	161.42	89.145
0.33200	389.14	218.40	400.01	247.28	341.08	119.73	364.09	161.19	88.937
0.33300	389.05	218.14	400.01	247.29	340.79	119.26	363.98	160.96	88.696
0.33400	388.99	217.95	400.01	247.30	340.61	118.98	364.03	161.06	88.508
0.33500	388.97	217.89	400.02	247.31	340.86	119.37	364.08	161.15	88.353
0.33600	389.03	218.03	400.02	247.32	341.00	119.60	364.05	161.08	88.183
0.33700	388.95	217.91	400.03	247.33	340.70	119.12	363.90	160.77	87.972
0.33800	388.88	217.63	400.03	247.34	340.50	118.80	363.85	160.65	87.758
0.33900	388.84	217.51	400.03	247.35	340.39	118.62	363.92	160.80	87.606
0.34000	388.80	217.39	400.04	247.36	340.31	118.50	363.95	160.86	87.469
0.34100	388.77	217.30	400.04	247.38	340.28	118.45	363.93	160.82	87.315
0.34200	388.75	217.25	400.05	247.39	340.29	118.47	363.89	160.72	87.149
0.34300	388.75	217.23	400.05	247.40	340.31	118.48	363.85	160.64	86.984
0.34400	388.74	217.19	400.05	247.41	340.31	118.49	363.82	160.58	86.827
0.34500	388.71	217.13	400.06	247.42	340.30	118.48	363.80	160.54	86.677
0.34600	388.69	217.06	400.06	247.43	340.29	118.46	363.78	160.50	86.534
0.34700	388.67	216.99	400.07	247.44	340.28	118.44	363.75	160.44	86.394
0.34800	388.65	216.95	400.07	247.46	340.28	118.43	363.73	160.38	86.256
0.34900	388.64	216.92	400.07	247.47	340.26	118.41	363.71	160.34	86.123

TIME (SEC)	P 114020000 (LF/IN2)	RHO 114020000 (LB/FT3)	TEMP 48010000 (DEGF)	TEMP 48080000 (DEGF)	P 48080000 (LF/IN2)	TEMP 52010000 (DEGF)	P 52010000 (LF/IN2)	TEMP 52010000 (DEGF)	P 52010000 (LF/IN2)
0.30000	166.98	0.50007	326.97	322.90	93.919	320.93	91.443	320.93	91.443
0.30100	166.60	0.49743	326.53	322.49	93.352	320.55	90.952	320.55	90.952
0.30200	166.24	0.49489	326.12	322.09	92.818	320.18	90.464	320.18	90.464
0.30300	165.89	0.49245	325.75	321.72	92.316	319.81	89.987	319.81	89.987
0.30400	165.56	0.49010	325.39	321.37	91.845	319.46	89.525	319.46	89.525
0.30500	165.25	0.48785	325.07	321.04	91.399	319.12	89.084	319.12	89.084
0.30600	164.96	0.48571	324.76	320.73	90.978	318.80	88.665	318.80	88.665
0.30700	164.63	0.48367	324.47	320.43	90.576	318.49	88.268	318.49	88.268
0.30800	164.43	0.48172	324.19	320.14	90.193	318.21	87.893	318.21	87.893
0.30900	164.19	0.47986	323.92	319.87	89.825	317.94	87.536	317.94	87.536

0.34100	388.77	217.25	400.04	247.38	340.28	118.45	363.93	160.82	87.315
0.34200	388.75	217.25	400.05	247.39	340.29	118.47	363.89	160.72	87.149
0.34300	388.75	217.23	400.05	247.40	340.31	118.48	363.85	160.64	86.984
0.34400	388.74	217.19	400.05	247.41	340.31	118.49	363.82	160.58	86.827
0.34500	388.71	217.13	400.06	247.42	340.30	118.48	363.80	160.54	86.677
0.34600	388.69	217.06	400.06	247.43	340.29	118.46	363.78	160.50	86.534
0.34700	388.67	216.99	400.07	247.44	340.28	118.44	363.75	160.44	86.394
0.34800	388.65	216.95	400.07	247.46	340.28	118.43	363.73	160.38	86.256
0.34900	388.64	216.92	400.07	247.47	340.26	118.41	363.71	160.34	86.123

TIME (SEC)	P 114020000 (LF/IN2)	RHO 114020000 (LB/FT3)	TEMP 48010000 (DEGF)	TEMP 48080000 (DEGF)	P 48080000 (LF/IN2)	TEMP 52010000 (DEGF)	P 52010000 (LF/IN2)	TEMP 52010000 (DEGF)	P 52010000 (LF/IN2)
0.30000	166.98	0.50007	326.97	322.90	93.919	320.93	91.443	320.93	91.443
0.30100	166.60	0.49743	326.53	322.49	93.352	320.55	90.952	320.55	90.952
0.30200	166.24	0.49480	326.12	322.09	92.818	320.18	90.464	320.18	90.464
0.30300	165.89	0.49245	325.75	321.72	92.316	319.81	89.987	319.81	89.987
0.30400	165.56	0.49010	325.39	321.37	91.845	319.46	89.525	319.46	89.525
0.30500	165.25	0.48785	325.07	321.04	91.399	319.12	89.084	319.12	89.084
0.30600	164.96	0.48571	324.76	320.73	90.978	318.80	88.665	318.80	88.665
0.30700	164.69	0.48367	324.47	320.43	90.576	318.49	88.268	318.49	88.268
0.30800	164.43	0.48172	324.19	320.14	90.193	318.21	87.893	318.21	87.893
0.30900	164.19	0.47986	323.92	319.87	89.825	317.94	87.536	317.94	87.536
0.31000	163.96	0.47809	323.67	319.60	89.472	317.68	87.196	317.68	87.196
0.31100	163.74	0.47642	323.42	319.35	89.132	317.43	86.871	317.43	86.871
0.31200	163.57	0.47491	323.18	319.10	88.802	317.19	86.557	317.19	86.557
0.31300	163.43	0.47354	322.95	318.86	88.484	316.96	86.252	316.96	86.252
0.31400	163.22	0.47202	322.73	318.63	88.178	316.73	85.955	316.73	85.955
0.31500	163.08	0.47073	322.50	318.40	87.885	316.51	85.665	316.51	85.665
0.31600	162.91	0.46938	322.29	318.18	87.596	316.29	85.384	316.29	85.384
0.31700	162.76	0.46813	322.08	317.96	87.310	316.08	85.112	316.08	85.112
0.31800	162.66	0.46703	321.88	317.75	87.035	315.87	84.843	315.87	84.843
0.31900	162.48	0.46574	321.68	317.54	86.762	315.67	84.578	315.67	84.578
0.32000	162.40	0.46477	321.48	317.34	86.500	315.47	84.319	315.47	84.319
0.32100	162.33	0.46383	321.30	317.13	86.240	315.27	84.067	315.27	84.067
0.32200	162.12	0.46260	321.12	316.93	85.984	315.08	83.823	315.08	83.823
0.32300	162.03	0.46172	320.91	316.74	85.741	314.89	83.584	314.89	83.584
0.32400	162.00	0.46102	320.75	316.55	85.493	314.70	83.351	314.70	83.351
0.32500	161.83	0.45999	320.58	316.35	85.245	314.53	83.127	314.53	83.127
0.32600	161.73	0.45920	320.38	316.17	85.017	314.35	82.902	314.35	82.902
0.32700	161.72	0.45866	320.21	315.99	84.788	314.17	82.680	314.17	82.680
0.32800	161.58	0.45783	320.06	315.80	84.552	314.00	82.469	314.00	82.469
0.32900	161.45	0.45706	319.87	315.62	84.335	313.84	82.261	313.84	82.261
0.33000	161.44	0.45661	319.70	315.45	84.123	313.67	82.051	313.67	82.051
0.33100	161.42	0.45618	319.56	315.27	83.900	313.51	81.852	313.51	81.852
0.33200	161.20	0.45524	319.40	315.10	83.692	313.35	81.657	313.35	81.657
0.33300	161.08	0.45461	319.21	314.95	83.499	313.19	81.459	313.19	81.459
0.33400	161.11	0.45438	319.06	314.78	83.293	313.03	81.270	313.03	81.270
0.33500	161.16	0.45423	318.94	314.60	83.079	312.88	81.092	312.88	81.092
0.33600	161.08	0.45375	318.81	314.45	82.893	312.73	80.905	312.73	80.905
0.33700	160.83	0.45288	318.64	314.31	82.725	312.57	80.717	312.57	80.717
0.33800	160.77	0.45251	318.47	314.17	82.549	312.43	80.548	312.43	80.548
0.33900	160.83	0.45246	318.35	314.01	82.352	312.31	80.395	312.31	80.395
0.34000	160.87	0.45239	318.24	313.85	82.163	312.18	80.237	312.18	80.237
0.34100	160.84	0.45214	318.12	313.72	82.005	312.03	80.065	312.03	80.065
0.34200	160.77	0.45178	317.99	313.59	81.857	311.89	79.900	311.89	79.900
0.34300	160.69	0.45141	317.86	313.47	81.704	311.78	79.759	311.78	79.759
0.34400	160.62	0.45109	317.73	313.33	81.546	311.67	79.630	311.67	79.630
0.34500	160.58	0.45081	317.61	313.20	81.389	311.56	79.500	311.56	79.500
0.34600	160.53	0.45052	317.50	313.08	81.240	311.44	79.364	311.44	79.364
0.34700	160.48	0.45023	317.38	312.96	81.097	311.33	79.231	311.33	79.231
0.34800	160.42	0.44994	317.27	312.84	80.961	311.22	79.104	311.22	79.104
0.34900	160.39	0.44974	317.16	312.73	80.828	311.12	78.984	311.12	78.984

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)
0.30000	294.23	62.081	445.67	70.248	164.65	174.10	0.47196	370.35	0.49444
0.30100	294.76	62.582	447.58	70.787	164.34	173.86	0.47112	370.25	0.49380
0.30200	295.27	63.068	449.62	71.361	164.04	173.64	0.47031	370.14	0.49319
0.30300	295.76	63.542	451.64	71.923	163.74	173.42	0.46952	370.04	0.49259
0.30400	296.24	64.003	453.58	72.473	163.46	173.21	0.46875	369.94	0.49201
0.30500	296.71	64.455	455.62	73.053	163.17	173.01	0.46799	369.84	0.49146
0.30600	297.17	64.899	457.60	73.607	162.90	172.80	0.46725	369.75	0.49091
0.30700	297.62	65.335	459.41	74.120	162.63	172.60	0.46653	369.66	0.49037
0.30800	298.06	65.763	461.31	74.677	162.36	172.41	0.46582	369.56	0.48984
0.30900	298.49	66.182	463.31	75.240	162.10	172.22	0.46512	369.47	0.48932

0.34200	160.77	0.45178	317.99	313.59	81.857	311.89	79.900	311.89	79.900
0.34300	160.69	0.45141	317.86	313.47	81.704	311.78	79.759	311.78	79.759
0.34400	160.62	0.45109	317.73	313.33	81.546	311.67	79.630	311.67	79.630
0.34500	160.58	0.45081	317.61	313.20	81.389	311.56	79.500	311.56	79.500
0.34600	160.53	0.45052	317.50	313.08	81.240	311.44	79.364	311.44	79.364
0.34700	160.48	0.45023	317.38	312.96	81.097	311.33	79.231	311.33	79.231
0.34800	160.42	0.44994	317.27	312.84	80.961	311.22	79.104	311.22	79.104
0.34900	160.39	0.44974	317.16	312.73	80.828	311.12	78.984	311.12	78.984

TIME (SEC)	TEMP 54500000 (DEGF)	P 54500000 (LB/IN2)	TEMP 60010000 (DEGF)	P 60010000 (LB/IN2)	P 97010000 (LB/IN2)	P 95010000 (LB/IN2)	RHO 97010000 (LB/FT3)	TEMP 95010000 (DEGF)	RHO 95010000 (LB/FT3)
0.30000	294.23	62.081	445.67	70.248	164.65	174.10	0.47196	370.35	0.49444
0.30100	294.76	62.582	447.58	70.787	164.34	173.86	0.47112	370.25	0.49380
0.30200	295.27	63.068	449.62	71.361	164.04	173.64	0.47031	370.14	0.49319
0.30300	295.76	63.542	451.64	71.923	163.74	173.42	0.46952	370.04	0.49259
0.30400	296.24	64.003	453.58	72.473	163.46	173.21	0.46875	369.94	0.49201
0.30500	296.71	64.455	455.62	73.053	163.17	173.01	0.46799	369.84	0.49146
0.30600	297.17	64.899	457.60	73.607	162.90	172.80	0.46725	369.75	0.49091
0.30700	297.62	65.335	459.41	74.120	162.63	172.60	0.46653	369.66	0.49037
0.30800	298.06	65.763	461.31	74.677	162.36	172.41	0.46582	369.56	0.48984
0.30900	298.49	66.182	463.31	75.248	162.10	172.22	0.46512	369.47	0.48932
0.31000	298.91	66.592	465.17	75.780	161.84	172.03	0.46442	369.38	0.48881
0.31100	299.32	66.989	467.03	76.326	161.58	171.84	0.46373	369.30	0.48830
0.31200	299.71	67.371	468.89	76.860	161.33	171.66	0.46306	369.21	0.48780
0.31300	300.09	67.736	470.62	77.368	161.08	171.47	0.46239	369.12	0.48730
0.31400	300.45	68.081	472.46	77.917	160.83	171.29	0.46173	369.04	0.48681
0.31500	300.78	68.404	474.25	78.437	160.58	171.11	0.46105	368.95	0.48632
0.31600	301.09	68.699	475.83	78.912	160.31	170.92	0.46034	368.86	0.48580
0.31700	301.37	68.965	477.53	79.428	160.04	170.71	0.45962	368.76	0.48525
0.31800	301.62	69.201	479.09	79.888	159.77	170.52	0.45891	368.67	0.48473
0.31900	301.84	69.409	480.42	80.311	159.51	170.33	0.45822	368.58	0.48422
0.32000	302.04	69.585	481.97	80.810	159.26	170.15	0.45755	368.49	0.48374
0.32100	302.21	69.737	483.27	81.207	159.01	169.97	0.45690	368.41	0.48326
0.32200	302.36	69.877	484.15	81.542	158.78	169.80	0.45629	368.33	0.48280
0.32300	302.50	70.004	485.56	82.084	158.56	169.68	0.45568	368.27	0.48246
0.32400	302.63	70.115	486.95	82.581	158.33	169.51	0.45508	368.19	0.48202
0.32500	302.75	70.219	487.54	82.905	158.12	169.36	0.45451	368.12	0.48159
0.32600	302.86	70.322	488.48	83.461	157.92	169.22	0.45400	368.05	0.48121
0.32700	302.98	70.429	489.55	84.041	157.72	169.07	0.45344	367.98	0.48081
0.32800	303.10	70.541	489.34	84.326	157.52	168.92	0.45293	367.91	0.48041
0.32900	303.23	70.666	489.16	84.875	157.35	168.79	0.45245	367.85	0.48007
0.33000	303.39	70.827	489.33	85.610	157.16	168.66	0.45196	367.78	0.47971
0.33100	303.53	70.965	487.62	85.915	156.97	168.52	0.45147	367.72	0.47934
0.33200	303.66	71.094	485.11	86.422	156.82	168.40	0.45105	367.66	0.47901
0.33300	303.79	71.232	482.68	87.265	156.65	168.29	0.45060	367.60	0.47870
0.33400	303.92	71.375	477.64	87.576	156.47	168.16	0.45013	367.54	0.47834
0.33500	304.07	71.528	470.52	87.961	156.34	168.05	0.44977	367.49	0.47807
0.33600	304.22	71.698	463.20	89.078	156.25	167.99	0.44953	367.46	0.47789
0.33700	304.46	71.951	452.48	89.608	156.14	167.91	0.44923	367.42	0.47768
0.33800	304.81	72.336	437.97	89.902	155.97	167.79	0.44879	367.37	0.47735
0.33900	304.85	72.392	421.66	91.059	155.81	167.67	0.44837	367.31	0.47703
0.34000	304.93	72.480	400.57	91.499	155.71	167.59	0.44811	367.27	0.47685
0.34100	305.01	72.576	374.30	91.231	155.65	167.55	0.44795	367.25	0.47673
0.34200	305.10	72.682	344.00	91.960	155.56	167.49	0.44770	367.22	0.47654
0.34300	305.20	72.799	309.86	92.790	155.41	167.38	0.44732	367.17	0.47626
0.34400	305.31	72.924	269.22	92.265	155.25	167.26	0.44691	367.11	0.47596
0.34500	305.42	73.058	217.81	91.663	155.11	167.16	0.44654	367.06	0.47567
0.34600	305.55	73.199	220.11	94.553	154.99	167.08	0.44623	367.02	0.47547
0.34700	305.68	73.345	220.42	94.706	154.91	167.02	0.44602	366.99	0.47531
0.34800	305.81	73.494	220.43	94.479	154.86	166.98	0.44588	366.98	0.47520
0.34900	305.95	73.644	220.96	95.008	154.80	166.96	0.44578	366.96	0.47515

TIME (SEC)	MFLOWJ 114020000 (LB/SEC)	MFLOWJ 94000000 (LB/SEC)	TEMP 114030000 (DEGF)	P 114030000 (LB/IN2)	P 114020000 (LB/IN2)	P 48010000 (LB/IN2)	P 195020000 (LB/IN2)	TEMP 195020000 (DEGF)	MFLOWJ 194000000 (LB/SEC)
0.30000	64.479	94.112	366.61	166.89	166.98	99.225	135.46	350.35	75.660
0.30100	64.265	94.006	366.44	166.50	166.60	98.603	135.19	350.20	75.457
0.30200	64.061	93.902	366.28	166.14	166.24	98.028	134.95	350.07	75.270
0.30300	63.862	93.799	366.13	165.80	165.89	97.497	134.71	349.94	75.093
0.30400	63.676	93.700	365.99	165.47	165.56	97.005	134.49	349.82	74.928
0.30500	63.499	93.608	365.85	165.17	165.25	96.547	134.28	349.71	74.772
0.30600	63.333	93.513	365.72	164.88	164.96	96.118	134.09	349.61	74.626
0.30700	63.176	93.422	365.61	164.61	164.69	95.713	133.90	349.51	74.488
0.30800	63.027	93.332	365.49	164.35	164.43	95.329	133.74	349.42	74.364
0.30900	62.878	93.240	365.39	164.11	164.19	94.961	133.58	349.33	74.248

0.34200	305.10	72.62	344.00	91.960	155.56	167.49	0.44770	367.22	0.47654
0.34300	305.20	72.799	309.86	92.790	155.41	167.32	0.44732	367.17	0.47626
0.34400	305.31	72.924	269.22	92.265	155.25	167.26	0.44691	367.11	0.47596
0.34500	305.42	73.058	217.81	91.663	155.11	167.16	0.44654	367.06	0.47567
0.34600	305.55	73.199	220.11	94.553	154.99	167.08	0.44623	367.02	0.47547
0.34700	305.68	73.345	220.42	94.706	154.91	167.02	0.44602	366.99	0.47531
0.34800	305.81	73.494	220.43	94.479	154.86	166.98	0.44588	366.98	0.47520
0.34900	305.95	73.644	220.96	95.008	154.82	166.96	0.44578	366.96	0.47515

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)
0.30000	64.479	94.112	366.61	166.89	166.98	99.225	135.46	350.35	75.660
0.30100	64.265	94.006	366.44	166.50	166.60	98.603	135.19	350.20	75.457
0.30200	64.061	93.902	366.28	166.14	166.24	98.029	134.95	350.07	75.270
0.30300	63.862	93.799	366.13	165.80	165.89	97.497	134.71	349.94	75.093
0.30400	63.676	93.700	365.99	165.47	165.56	97.005	134.49	349.82	74.928
0.30500	63.499	93.608	365.85	165.17	165.25	96.547	134.28	349.71	74.772
0.30600	63.333	93.513	365.72	164.88	164.96	96.118	134.09	349.61	74.626
0.30700	63.176	93.422	365.61	164.61	164.69	95.713	133.90	349.51	74.488
0.30800	63.027	93.332	365.49	164.35	164.43	95.329	133.74	349.42	74.364
0.30900	62.878	93.240	365.39	164.11	164.19	94.961	133.58	349.33	74.248
0.31000	62.746	93.154	365.28	163.88	163.96	94.606	133.44	349.25	74.134
0.31100	62.625	93.067	365.19	163.67	163.74	94.264	133.35	349.21	74.041
0.31200	62.539	92.983	365.11	163.49	163.57	93.936	133.36	349.22	74.027
0.31300	62.481	92.897	365.07	163.38	163.43	93.627	132.97	349.00	73.742
0.31400	62.243	92.813	364.97	163.17	163.22	93.324	132.13	349.09	73.829
0.31500	62.241	92.730	364.89	162.98	163.08	93.015	132.79	348.90	73.622
0.31600	62.105	92.640	364.85	162.88	162.91	92.734	132.85	348.94	73.619
0.31700	61.990	92.548	364.75	162.67	162.76	92.448	132.91	348.98	73.661
0.31800	62.009	92.457	364.73	162.62	162.66	92.180	132.49	348.74	73.361
0.31900	61.754	92.369	364.65	162.44	162.48	91.921	132.73	348.88	73.521
0.32000	61.822	92.289	364.59	162.30	162.40	91.651	132.70	348.86	73.486
0.32100	61.770	92.206	364.60	162.31	162.33	91.418	132.22	348.59	73.157
0.32200	61.458	92.127	364.49	162.08	162.12	91.170	132.51	348.76	73.364
0.32300	61.576	92.026	364.42	161.92	162.03	90.904	132.56	348.79	73.361
0.32400	61.607	91.924	364.45	161.98	162.00	90.683	132.00	348.47	73.014
0.32500	61.289	91.848	364.38	161.82	161.83	90.461	132.29	348.64	73.204
0.32600	61.332	91.779	364.29	161.62	161.73	90.205	132.36	348.68	73.234
0.32700	61.441	91.712	364.32	161.67	161.72	89.988	131.88	348.40	72.947
0.32800	61.170	91.642	364.28	161.59	161.58	89.785	132.06	348.51	73.047
0.32900	61.109	91.580	364.17	161.36	161.45	89.543	132.20	348.59	73.128
0.33000	61.269	91.519	364.18	161.37	161.44	89.327	132.14	348.56	73.062
0.33100	61.188	91.457	364.20	161.42	161.42	89.145	131.53	348.21	72.706
0.33200	60.848	91.400	364.09	161.19	161.20	88.937	131.88	348.41	72.951
0.33300	60.944	91.347	363.98	160.96	161.09	88.696	132.02	348.49	73.022
0.33400	61.131	91.283	364.03	161.06	161.11	88.508	131.96	348.46	72.955
0.33500	61.075	91.235	364.08	161.15	161.16	88.353	131.82	348.38	72.883
0.33600	60.887	91.204	364.05	161.08	161.08	88.183	131.39	348.13	72.614
0.33700	60.636	91.170	363.90	160.77	160.83	87.972	131.72	348.32	72.954
0.33800	60.867	91.116	363.85	160.65	160.77	87.758	131.79	348.36	72.874
0.33900	60.975	91.056	363.92	160.80	160.83	87.606	131.74	348.34	72.821
0.34000	60.895	91.020	363.95	160.86	160.87	87.469	131.66	348.29	72.765
0.34100	60.804	91.002	363.93	160.82	160.84	87.315	131.58	348.25	72.716
0.34200	60.750	90.972	363.89	160.72	160.77	87.149	131.53	348.22	72.688
0.34300	60.727	90.925	363.85	160.64	160.69	86.984	131.52	348.21	72.685
0.34400	60.710	90.871	363.82	160.58	160.62	86.827	131.50	348.20	72.677
0.34500	60.697	90.821	363.80	160.54	160.58	86.677	131.47	348.18	72.662
0.34600	60.662	90.783	363.78	160.50	160.53	86.534	131.42	348.16	72.641
0.34700	60.625	90.756	363.75	160.44	160.48	86.394	131.38	348.13	72.616
0.34800	60.599	90.740	363.73	160.38	160.42	86.256	131.35	348.12	72.607
0.34900	60.602	90.729	363.71	160.34	160.39	86.123	131.28	348.08	72.631

ATTEMPTED ADV: TOT.= 1444 EDIT= 200 MIN.DT= 2.500000E-04 SEC LAST DT= 2.500000E-04 SEC MS.ERR= -21.9698 LB
 REPEATED ADV: TOT.= 61 EDIT= 0 MAX.DT= 2.500000E-04 SEC CRNT.DT= 4.172356E-04 SEC TOT.MS= 38998.1 LB
 SUCCESSFUL ADV: TOT.= 1383 EDIT= 200 AVG.DT= 2.500000E-04 SEC ERR.EST= 4.850431E-06 M.RATN= -5.633564E-04
 REQUESTED ADV: TOT.= 350 EDIT= 50 REQ.DT= 1.000000E-03 SEC CPU= 313.293 SEC TIME= 0.350000 SEC

TRIP NUMBER, TRIP TIME (SEC)
 505 -1.0000 506 1.45000E-02 507 -1.9600 508 1.97500E-02 509 -1.0000

VOL.NO.	PRESSURE (LB/IN2)	INT. ENERGY (BTU/LB)	STATIC QUAL.	NONCOND VAPOR QUAL.	EGU. QUAL.	VOIDG	TEMP (DEGF)	TEMP (DEGF)	TEMP (DEGF)	VOL. FLAG
C-001	TMDPVOL COMPONENT									
1610900	2721.7	1011.0	1.0000	0.00000	1.0000	1.0000	680.72	680.72	680.72	10
C-36	PIPE COMPONENT									
3601000	272.28	558.24	0.80320	0.00000	0.78546	0.99724	405.21	375.37	405.21	10
3602000	210.44	685.10	0.71222	0.00000	0.72722	0.99712	375.37	375.37	375.37	10

0.34200	60.750	90.972	363.89	160.72	160.77	87.149	131.53	348.22	72.688
0.34300	60.727	90.925	363.85	160.64	160.69	86.984	131.52	348.21	72.685
0.34400	60.710	90.971	363.82	160.59	160.62	86.827	131.50	348.20	72.677
0.34500	60.697	90.821	363.80	160.54	160.58	86.677	131.47	348.18	72.652
0.34600	60.662	90.783	363.78	160.50	160.53	86.534	131.42	348.16	72.641
0.34700	60.625	90.756	363.75	160.44	160.48	86.394	131.38	348.13	72.616
0.34800	60.599	90.740	363.73	160.38	160.42	86.256	131.35	348.12	72.607
0.34900	60.602	90.729	363.71	160.34	160.39	86.123	131.28	348.08	72.631

ATTEMPTED ADV: TOT.= 1444 EDIT= 200 MIN.DT= 2.500000E-04 SEC LAST DT= 2.500000E-04 SEC MS.ERR= -21.9698 LB
 REPEATED ADV: TOT.= 61 EDIT= 0 MAX.DT= 2.500000E-04 SEC CRNT.DT= 4.172356E-04 SEC TOT.MS= 38998.1 LP
 SUCCESSFUL ADV: TOT.= 1383 EDIT= 200 AVG.DT= 2.500000E-04 SEC ERR.EST= 4.850431E-06 M.RATN= -5.633564E-04
 REQUESTED ADV: TOT.= 350 EDIT= 50 REQ.DT= 1.000000E-03 SEC CPU= 313.293 SEC TIME= 0.350000 SEC

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

VOL.NO.	PRESSURE (LBF/IN2)	INT. ENERGY (BTU/LB)	STATIC QUAL.	NONCOND VAPOR QUAL.	EQU. QUAL.	VOIDG	TEMPF (DEGF)	TEMPG (DEGF)	TEMPE (DEGF)	VOL. FLAG
C-001	TMDPVOL	COMPONENT								
1010000	2721.7	1011.0	1.0000	0.00000	1.0000	1.0000	680.72	680.72	680.72	10
C-36	PIPE	COMPONENT								
36010000	262.28	958.24	0.80320	0.00000	0.78546	0.99724	405.21	375.37	405.21	10
36020000	210.84	945.60	0.78622	0.00000	0.77658	0.99762	386.25	368.36	386.25	10
36030000	191.09	939.55	0.77740	0.00000	0.77229	0.99776	378.01	368.10	378.01	10
C-38	PIPE	COMPONENT								
38010000	216.91	953.66	0.78622	0.00000	0.78622	0.99763	388.67	388.67	388.67	0
38020000	216.91	953.24	0.78566	3.89269E-10	0.78566	0.99762	388.67	388.66	388.67	0
38030000	216.91	952.82	0.78511	1.16862E-08	0.78510	0.99761	388.66	388.66	388.66	0
38040000	216.90	952.60	0.78481	2.01735E-07	0.78481	0.99761	388.66	388.66	388.66	0
38050000	216.90	952.75	0.78501	2.27944E-06	0.78501	0.99761	388.66	388.66	388.66	0
38060000	216.90	953.24	0.78566	1.77621E-05	0.78566	0.99762	388.66	388.66	388.66	0
38070000	216.89	953.48	0.78611	9.88542E-05	0.78610	0.99762	388.65	388.65	388.65	0
C-40	SNGLVOL	COMPONENT								
40010000	217.14	953.90	0.78650	0.00000	0.78650	0.99763	388.76	388.76	388.76	0
C-42	SNGLVOL	COMPONENT								
42010000	216.89	927.25	0.75154	3.39474E-04	0.75154	0.99712	388.63	388.63	388.63	0
C-44	BRANCH	COMPONENT								
44010000	118.40	920.00	0.76895	5.88559E-05	0.76463	0.99855	340.26	330.52	340.26	0
C-46	PIPE	COMPONENT								
46010000	159.13	944.27	0.78500	6.69217E-05	0.78501	0.99825	363.12	363.13	363.12	0
46020000	160.90	945.02	0.78569	8.45534E-05	0.78569	0.99824	363.99	363.99	363.99	0
46030000	160.90	945.03	0.78573	1.06491E-04	0.78573	0.99824	363.99	363.99	363.99	0
C-48	PIPE	COMPONENT								
48010000	85.998	941.88	0.80281	2.07324E-04	0.80281	0.99915	317.06	317.08	317.06	0
48020000	81.812	938.84	0.80094	2.25066E-04	0.80066	0.99918	313.58	312.92	313.58	0
48030000	81.248	938.15	0.80015	2.44076E-04	0.80006	0.99918	313.10	312.88	313.10	0
48040000	81.088	937.75	0.79966	2.64526E-04	0.79966	0.99918	312.96	312.96	312.96	0
48050000	80.982	937.39	0.79928	2.86524E-04	0.79928	0.99918	312.87	312.87	312.87	0
48060000	80.886	937.03	0.79890	3.10164E-04	0.79890	0.99918	312.79	312.79	312.79	0
48070000	80.793	936.65	0.79850	3.35541E-04	0.79850	0.99918	312.70	312.71	312.70	0
48080000	80.701	936.25	0.79808	3.62748E-04	0.79808	0.99918	312.62	312.62	312.62	0
48090000	80.609	935.83	0.79764	3.91882E-04	0.79764	0.99917	312.54	312.54	312.54	0
C-50	PIPE	COMPONENT								
50010000	79.498	935.38	0.79756	4.23662E-04	0.79756	0.99919	311.58	311.58	311.58	0
50020000	79.257	934.78	0.79698	4.57593E-04	0.79696	0.99918	311.37	311.32	311.37	0
50030000	79.145	934.23	0.79639	4.93828E-04	0.79638	0.99918	311.27	311.24	311.27	0
50040000	79.050	933.66	0.79578	5.32487E-04	0.79577	0.99918	311.19	311.16	311.19	0
50050000	79.958	933.06	0.79512	5.73691E-04	0.79511	0.99918	311.10	311.08	311.10	0
C-52	SNGLVOL	COMPONENT								
52010000	78.869	932.44	0.79445	6.15258E-04	0.79444	0.99918	311.02	311.00	311.02	0
C-54	PIPE	COMPONENT								
54010000	75.380	931.78	0.79510	6.62568E-04	0.79510	0.99921	307.91	307.92	307.91	0
54020000	74.743	930.63	0.79406	7.12561E-04	0.79402	0.99922	307.33	307.23	307.33	0
54030000	74.563	929.77	0.79312	7.65623E-04	0.79310	0.99921	307.17	307.12	307.17	0
54040000	74.452	928.91	0.79218	8.21950E-04	0.79217	0.99921	307.06	307.04	307.06	0
54050000	74.353	928.01	0.79120	8.81715E-04	0.79119	0.99921	306.97	306.95	306.97	0
54060000	74.258	927.06	0.79015	9.45093E-04	0.79015	0.99920	306.88	306.86	306.88	0
54070000	74.164	926.06	0.78905	1.01227E-03	0.78905	0.99920	306.79	306.77	306.79	0

54080000	74.072	925.01	0.78789	1.08344E-03	0.78789	0.99919	306.70	306.68	306.70	0
54090000	73.981	923.90	0.78668	1.15881E-03	0.78667	0.99919	306.61	306.59	306.61	0
54100000	73.892	922.74	0.78540	1.23858E-03	0.78539	0.99918	306.52	306.51	306.52	0
54110000	73.804	921.53	0.78406	1.32298E-03	0.78405	0.99918	306.44	306.42	306.44	0
54120000	73.718	920.27	0.78266	1.41221E-03	0.78266	0.99917	306.35	306.34	306.35	0
54130000	73.634	918.95	0.78121	1.50649E-03	0.78120	0.99917	306.27	306.26	306.27	0
54140000	73.551	917.58	0.77969	1.60603E-03	0.77969	0.99916	306.19	306.18	306.19	0
54150000	73.471	916.16	0.77812	1.71103E-03	0.77812	0.99915	306.11	306.10	306.11	0
54160000	73.392	914.68	0.77649	1.82167E-03	0.77649	0.99915	306.03	306.02	306.03	0
54170000	73.316	913.16	0.77480	1.93811E-03	0.77480	0.99914	305.95	305.95	305.95	0
54180000	73.241	911.58	0.77306	2.06049E-03	0.77306	0.99913	305.87	305.87	305.87	0
54190000	73.170	909.95	0.77125	2.18891E-03	0.77125	0.99912	305.80	305.80	305.80	0
54200000	73.102	908.26	0.76940	2.32344E-03	0.76940	0.99911	305.73	305.73	305.73	0
54210000	73.036	906.53	0.76748	2.46411E-03	0.76748	0.99911	305.66	305.66	305.66	0

50020000	79.257	934.78	0.79698	4.57593E-04	0.79698	0.99918	311.37	311.32	311.37	0
50030000	79.145	934.23	0.79639	4.93828E-04	0.79639	0.99918	311.27	311.24	311.27	0
50040000	79.050	933.66	0.79578	5.32487E-04	0.79578	0.99918	311.19	311.16	311.19	0
50050000	78.958	933.06	0.79512	5.73691E-04	0.79511	0.99918	311.10	311.08	311.10	0
C-52	SINGL VOL	COMPONENT								
52010000	78.869	932.44	0.79445	6.15258E-04	0.79444	0.99918	311.02	311.00	311.02	0
C-54	PIPE	COMPONENT								
54010000	75.380	931.78	0.79510	6.62568E-04	0.79510	0.99921	307.91	307.92	307.91	0
54020000	74.743	930.63	0.79406	7.12561E-04	0.79402	0.99922	307.33	307.23	307.33	0
54030000	74.563	929.77	0.79312	7.65623E-04	0.79310	0.99921	307.17	307.12	307.17	0
54040000	74.452	928.91	0.79218	8.21950E-04	0.79217	0.99921	307.06	307.04	307.06	0
54050000	74.353	928.01	0.79120	8.81715E-04	0.79119	0.99921	306.97	306.95	306.97	0
54060000	74.258	927.06	0.79015	9.45093E-04	0.79015	0.99920	306.88	306.86	306.88	0
54070000	74.164	926.06	0.78905	1.01227E-03	0.78905	0.99920	306.79	306.77	306.79	0

54080000	74.072	925.01	0.78789	1.08344E-03	0.78789	0.99919	306.70	306.68	306.70	0
54090000	73.981	923.90	0.78668	1.15881E-03	0.78667	0.99919	306.61	306.59	306.61	0
54100000	73.892	922.74	0.78540	1.23858E-03	0.78539	0.99918	306.52	306.51	306.52	0
54110000	73.804	921.53	0.78406	1.32298E-03	0.78405	0.99918	306.44	306.42	306.44	0
54120000	73.718	920.27	0.78266	1.41221E-03	0.78266	0.99917	306.35	306.34	306.35	0
54130000	73.634	918.95	0.78121	1.50649E-03	0.78120	0.99917	306.27	306.26	306.27	0
54140000	73.551	917.58	0.77969	1.60603E-03	0.77969	0.99916	306.19	306.18	306.19	0
54150000	73.471	916.16	0.77812	1.71103E-03	0.77812	0.99915	306.11	306.10	306.11	0
54160000	73.392	914.68	0.77649	1.82167E-03	0.77649	0.99915	306.03	306.02	306.03	0
54170000	73.316	913.16	0.77480	1.93811E-03	0.77480	0.99914	305.95	305.95	305.95	0
54180000	73.241	911.58	0.77306	2.06049E-03	0.77306	0.99913	305.87	305.87	305.87	0
54190000	73.170	909.95	0.77125	2.18891E-03	0.77125	0.99912	305.80	305.80	305.80	0
54200000	73.102	908.26	0.76940	2.32344E-03	0.76940	0.99911	305.73	305.73	305.73	0
54210000	73.036	906.53	0.76748	2.46411E-03	0.76748	0.99911	305.66	305.66	305.66	0
54220000	72.975	904.75	0.76551	2.61092E-03	0.76551	0.99910	305.59	305.59	305.59	0
54230000	72.917	902.92	0.76349	2.76378E-03	0.76350	0.99909	305.53	305.54	305.53	0
54240000	72.864	901.05	0.76143	2.92258E-03	0.76143	0.99908	305.47	305.47	305.47	0
54250000	72.816	899.13	0.75931	3.08714E-03	0.75931	0.99907	305.42	305.42	305.42	0
54260000	72.774	897.18	0.75716	3.25720E-03	0.75716	0.99906	305.37	305.37	305.37	0
54270000	72.737	895.19	0.75496	3.43242E-03	0.75496	0.99905	305.32	305.32	305.32	0
54280000	72.706	893.16	0.75272	3.61239E-03	0.75272	0.99903	305.28	305.28	305.28	0
54290000	72.682	891.11	0.75045	3.79660E-03	0.75045	0.99902	305.25	305.25	305.25	0
54300000	72.664	889.02	0.74814	3.98441E-03	0.74814	0.99901	305.22	305.22	305.22	0
54310000	72.653	886.90	0.74580	4.17507E-03	0.74580	0.99900	305.20	305.20	305.20	0
54320000	72.649	884.75	0.74341	4.36770E-03	0.74341	0.99899	305.18	305.18	305.18	0
54330000	72.651	882.56	0.74098	4.56125E-03	0.74098	0.99897	305.17	305.17	305.17	0
54340000	72.662	880.33	0.73849	4.75451E-03	0.73849	0.99896	305.17	305.17	305.17	0
54350000	72.679	878.05	0.73593	4.94606E-03	0.73593	0.99894	305.17	305.17	305.17	0
54360000	72.705	875.70	0.73328	5.13431E-03	0.73328	0.99893	305.18	305.18	305.18	0
54370000	72.738	873.27	0.73053	5.31745E-03	0.73053	0.99891	305.20	305.20	305.20	0
54380000	72.780	870.73	0.72763	5.49345E-03	0.72763	0.99890	305.23	305.23	305.23	0
54390000	72.829	868.05	0.72455	5.66010E-03	0.72455	0.99888	305.26	305.26	305.26	0
54400000	72.887	865.21	0.72125	5.81497E-03	0.72125	0.99886	305.30	305.30	305.30	0
54410000	72.952	862.15	0.71767	5.95543E-03	0.71767	0.99884	305.35	305.35	305.35	0
54420000	73.024	858.81	0.71374	6.07871E-03	0.71374	0.99882	305.41	305.41	305.41	0
54430000	73.103	855.13	0.70935	6.18187E-03	0.70935	0.99879	305.48	305.48	305.48	0
54440000	73.189	851.00	0.70440	6.26181E-03	0.70440	0.99876	305.55	305.55	305.55	0
54450000	73.280	846.30	0.69873	6.31529E-03	0.69873	0.99872	305.63	305.63	305.63	0
54460000	73.376	840.87	0.69212	6.33891E-03	0.69212	0.99868	305.71	305.71	305.71	0
54470000	73.476	834.48	0.68432	6.32904E-03	0.68432	0.99863	305.80	305.80	305.80	0
54480000	73.580	826.85	0.67496	6.28183E-03	0.67497	0.99857	305.89	305.89	305.89	0
54490000	73.686	817.61	0.66361	6.19320E-03	0.66361	0.99849	305.99	305.99	305.99	0
54500000	73.795	806.31	0.64972	6.05888E-03	0.64972	0.99839	306.09	306.09	306.09	0
54510000	73.907	792.43	0.63262	5.87472E-03	0.63262	0.99827	306.19	306.19	306.19	0
54520000	74.021	775.38	0.61162	5.63714E-03	0.61162	0.99810	306.30	306.30	306.30	0
54530000	74.138	754.61	0.58605	5.34417E-03	0.58605	0.99789	306.41	306.41	306.41	0
54540000	74.260	729.74	0.55543	4.99685E-03	0.55543	0.99760	306.53	306.53	306.53	0
54550000	74.388	700.73	0.51972	4.60107E-03	0.51972	0.99723	306.65	306.65	306.65	0
54560000	74.524	668.10	0.47957	4.16925E-03	0.47957	0.99674	306.78	306.78	306.78	0
54570000	74.670	633.10	0.43651	3.72080E-03	0.43651	0.99612	306.93	306.93	306.93	0
54580000	74.828	597.59	0.39282	3.28004E-03	0.39282	0.99535	307.08	307.08	307.08	0
54590000	75.001	563.75	0.35116	2.87182E-03	0.35116	0.99444	307.24	307.24	307.24	0
54600000	75.189	533.58	0.31399	2.51655E-03	0.31398	0.99342	307.42	307.42	307.42	0
54610000	75.398	508.55	0.28310	2.22704E-03	0.28310	0.99236	307.61	307.62	307.62	0
54620000	75.570	489.45	0.25951	2.00820E-03	0.25950	0.99138	307.77	307.78	307.78	0
54630000	76.110	475.67	0.24212	1.85043E-03	0.24211	0.99048	308.26	308.27	308.27	0
54640000	76.259	461.35	0.22442	1.69952E-03	0.22441	0.98949	308.40	308.40	308.40	0
54650000	76.309	450.12	0.21060	1.58699E-03	0.21059	0.98860	308.44	308.45	308.45	0
54660000	76.346	443.12	0.20199	1.52221E-03	0.20198	0.98799	308.47	308.48	308.48	0
54670000	76.385	439.65	0.19771	1.49834E-03	0.19770	0.98766	308.50	308.52	308.52	0

54680000	76.424	438.55	0.19635	1.50505E-03	0.19634	0.98755	308.53	308.55	308.55	0
54690000	76.459	438.70	0.19654	1.53248E-03	0.19652	0.98755	308.56	308.57	308.57	0
54700000	76.493	439.20	0.19716	1.57254E-03	0.19715	0.98760	308.58	308.60	308.60	0
54710000	76.525	439.44	0.19749	1.61934E-03	0.19747	0.98762	308.60	308.62	308.62	0
54720000	76.556	439.11	0.19712	1.66905E-03	0.19711	0.98758	308.61	308.63	308.63	0
54730000	76.585	438.11	0.19595	1.71952E-03	0.19593	0.98748	308.62	308.64	308.64	0
54740000	76.615	436.48	0.19402	1.76968E-03	0.19400	0.98733	308.63	308.65	308.65	0
54750000	76.645	434.35	0.19147	1.81909E-03	0.19145	0.98711	308.64	308.66	308.66	0
54760000	76.676	431.83	0.18846	1.86749E-03	0.18843	0.98685	308.65	308.67	308.67	0
54770000	76.709	429.05	0.18512	1.91465E-03	0.18509	0.98656	308.66	308.68	308.68	0
54780000	76.746	426.09	0.18156	1.96023E-03	0.18153	0.98623	308.67	308.70	308.70	0
54790000	76.789	423.04	0.17788	2.00388E-03	0.17785	0.98588	308.68	308.71	308.71	0

54550000	74.388	700.73	0.51972	4.60107E-03	0.51972	0.99723	306.53	306.53	306.53	0
54560000	74.524	668.10	0.47457	4.16925E-03	0.47957	0.99674	306.65	306.65	306.65	0
54570000	74.670	633.10	0.43651	3.72080E-03	0.43651	0.99612	306.78	306.78	306.78	0
54580000	74.828	597.59	0.39282	3.28004E-03	0.39282	0.99535	306.93	306.93	306.93	0
54590000	75.001	563.75	0.35116	2.87192E-03	0.35116	0.99444	307.08	307.08	307.08	0
54600000	75.189	533.58	0.31399	2.51655E-03	0.31399	0.99342	307.24	307.24	307.24	0
54610000	75.398	508.55	0.28310	2.22704E-03	0.28310	0.99236	307.42	307.42	307.42	0
54620000	75.570	489.45	0.25951	2.00820E-03	0.25950	0.99138	307.61	307.62	307.62	0
54630000	76.110	475.67	0.24212	1.85043E-03	0.24211	0.99048	307.77	307.78	307.78	0
54640000	76.259	461.35	0.22442	1.69952E-03	0.22441	0.98949	308.26	308.27	308.27	0
54650000	76.309	450.12	0.21060	1.58699E-03	0.21059	0.98860	308.40	308.40	308.40	0
54660000	76.346	443.12	0.20199	1.52221E-03	0.20198	0.98799	308.44	308.45	308.45	0
54670000	76.385	439.65	0.19771	1.49834E-03	0.19770	0.98766	308.47	308.48	308.48	0
							308.50	308.52	308.52	0

54680000	76.424	438.55	0.19635	1.50505E-03	0.19634	0.98755	308.53	308.55	308.55	0
54690000	76.459	438.70	0.19654	1.53248E-03	0.19652	0.98755	308.56	308.57	308.57	0
54700000	76.493	439.20	0.19716	1.57254E-03	0.19715	0.98760	308.58	308.60	308.60	0
54710000	76.525	439.44	0.19749	1.61934E-03	0.19747	0.98762	308.59	308.62	308.62	0
54720000	76.556	439.11	0.19712	1.66905E-03	0.19711	0.98758	308.60	308.62	308.62	0
54730000	76.585	438.11	0.19595	1.71952E-03	0.19593	0.98748	308.61	308.63	308.63	0
54740000	76.615	436.48	0.19402	1.76968E-03	0.19400	0.98733	308.62	308.64	308.64	0
54750000	76.645	434.35	0.19147	1.81909E-03	0.19145	0.98711	308.63	308.65	308.65	0
54760000	76.676	431.83	0.18846	1.86749E-03	0.18843	0.98685	308.64	308.66	308.66	0
54770000	76.709	429.05	0.18512	1.91465E-03	0.18509	0.98656	308.65	308.67	308.67	0
54780000	76.746	426.09	0.18156	1.96023E-03	0.18153	0.98623	308.66	308.68	308.68	0
54790000	76.789	423.04	0.17788	2.00388E-03	0.17785	0.98588	308.67	308.70	308.70	0
54800000	76.842	419.96	0.17416	2.04543E-03	0.17413	0.98550	308.68	308.71	308.71	0
54810000	76.907	416.93	0.17048	2.08485E-03	0.17045	0.98512	308.71	308.74	308.74	0
54820000	76.988	413.98	0.16690	2.12210E-03	0.16686	0.98472	308.74	308.77	308.77	0
54830000	77.088	411.17	0.16345	2.15716E-03	0.16341	0.98431	308.79	308.82	308.82	0
54840000	77.210	408.52	0.16017	2.19002E-03	0.16012	0.98391	308.85	308.89	308.89	0
54850000	77.356	406.05	0.15708	2.22076E-03	0.15704	0.98351	308.89	308.98	308.98	0
54860000	77.530	403.78	0.15421	2.24948E-03	0.15416	0.98311	309.04	309.09	309.09	0
54870000	77.735	401.73	0.15157	2.27635E-03	0.15152	0.98272	309.17	309.22	309.22	0
54880000	77.975	399.90	0.14917	2.30157E-03	0.14911	0.98234	309.33	309.38	309.38	0
54890000	78.253	398.32	0.14703	2.32538E-03	0.14696	0.98198	309.52	309.57	309.57	0
54900000	78.574	396.98	0.14514	2.34803E-03	0.14507	0.98164	309.74	309.80	309.80	0
54910000	78.945	395.90	0.14351	2.36977E-03	0.14343	0.98131	309.99	310.06	310.06	0
54920000	79.370	395.07	0.14214	2.39084E-03	0.14204	0.98101	310.29	310.37	310.37	0
54930000	79.858	394.47	0.14099	2.41101E-03	0.14088	0.98071	310.64	310.73	310.73	0
54940000	80.429	394.41	0.14042	2.43721E-03	0.14031	0.98049	311.04	311.14	311.14	0
54950000	80.957	387.19	0.13098	2.30226E-03	0.13086	0.97875	311.51	311.62	311.62	0
							311.95	312.06	312.06	0

C-56 PIPE COMPONENT

56010000	80.536	386.25	0.13011	2.29081E-03	0.13011	0.97870	309.04	309.09	309.09	0
56020000	80.565	385.92	0.12973	2.29778E-03	0.12969	0.97862	309.17	309.22	309.22	0
56030000	80.696	385.72	0.12937	2.29972E-03	0.12932	0.97852	309.33	309.38	309.38	0
56040000	80.851	385.48	0.12893	2.29474E-03	0.12887	0.97840	309.52	309.57	309.57	0
56050000	81.020	385.27	0.12850	2.28555E-03	0.12844	0.97827	309.74	309.80	309.80	0
56060000	81.198	385.28	0.12834	2.27704E-03	0.12828	0.97820	310.06	310.14	310.14	0
56070000	81.381	385.76	0.12874	2.27512E-03	0.12868	0.97823	310.29	310.37	310.37	0
56080000	81.567	386.94	0.13002	2.28562E-03	0.12995	0.97842	310.64	310.73	310.73	0
56090000	81.751	389.00	0.13238	2.31323E-03	0.13231	0.97881	311.04	311.14	311.14	0
56100000	81.933	392.00	0.13592	2.36073E-03	0.13585	0.97939	311.51	311.62	311.62	0
56110000	82.113	395.87	0.14054	2.42829E-03	0.14047	0.98011	312.06	312.16	312.16	0
56120000	82.293	400.35	0.14592	2.51315E-03	0.14586	0.98091	312.52	312.58	312.58	0
56130000	82.475	405.00	0.15154	2.60960E-03	0.15147	0.98169	312.84	312.90	312.90	0
56140000	82.664	403.28	0.15670	2.70983E-03	0.15664	0.98234	313.15	313.21	313.21	0
56150000	82.866	412.63	0.16072	2.80575E-03	0.16066	0.98282	313.30	313.36	313.36	0
56160000	83.087	414.61	0.16305	2.89169E-03	0.16298	0.98306	313.46	313.52	313.52	0
56170000	83.331	414.97	0.16338	2.96787E-03	0.16331	0.98305	313.62	313.68	313.68	0
56180000	83.604	413.67	0.16166	3.04510E-03	0.16159	0.98278	313.79	313.85	313.85	0
56190000	83.908	410.72	0.15795	3.15286E-03	0.15788	0.98224	313.97	314.04	314.03	0
56200000	84.245	405.99	0.15219	3.35321E-03	0.15212	0.98137	314.17	314.23	314.23	0
56210000	84.613	399.04	0.14402	3.75828E-03	0.14394	0.98003	314.36	314.43	314.43	0
56220000	85.015	389.08	0.13277	4.53272E-03	0.13268	0.97794	314.54	314.61	314.61	0
56230000	85.450	375.36	0.11788	5.83792E-03	0.11778	0.97454	314.65	314.73	314.72	0
56240000	85.926	358.03	9.99087E-02	7.69289E-03	9.97883E-02	0.96905	314.59	314.67	314.67	0
56250000	86.455	338.83	8.11191E-02	9.85817E-03	8.09569E-02	0.96055	314.20	314.29	314.28	0
56260000	87.069	320.22	6.44620E-02	1.19318E-02	6.42438E-02	0.94851	313.20	313.31	313.31	0
56270000	87.820	303.99	5.17769E-02	1.36191E-02	5.15232E-02	0.93349	311.27	311.42	311.42	0
56280000	88.745	290.73	4.32584E-02	1.49222E-02	4.30234E-02	0.91747	308.13	308.36	308.32	0
56290000	89.826	280.20	3.82122E-02	1.61025E-02	3.80342E-02	0.90323	303.83	304.14	304.05	0
56300000	90.977	271.82	3.58569E-02	1.74948E-02	3.57329E-02	0.89323	298.78	299.12	298.97	0
56310000	92.103	264.99	3.56921E-02	1.94240E-02	3.56099E-02	0.88891	293.48	293.82	293.64	0
							288.28	288.58	288.40	0
							283.29	283.52	283.37	0

56320000	93.157	259.28	3.76555E-02	2.22917E-02	3.75963E-02	0.89086	278.46	278.65	278.52	0
56330000	94.055	254.46	4.23067E-02	2.67985E-02	4.22688E-02	0.89928	273.69	273.82	273.73	0
56340000	94.430	250.41	5.10774E-02	3.42216E-02	5.10832E-02	0.91389	268.75	268.75	268.75	0
56350000	94.546	247.34	6.75556E-02	4.75364E-02	6.75614E-02	0.93328	263.38	263.37	263.37	0

C-58 PIPE COMPONENT

58010000	95.362	246.78	5.10669	7.90540E-02	0.10669	0.95716	257.08	257.09	257.08	0
58020000	95.920	247.73	0.16902	0.13116	0.16903	0.97366	250.10	250.11	250.10	0
58030000	95.723	250.22	0.25815	0.20812	0.25815	0.98413	242.75	242.76	242.75	0
58040000	95.584	254.91	0.37585	0.31229	0.37584	0.99060	235.91	235.92	235.91	0
58050000	95.866	262.11	0.51711	0.43928	0.51710	0.99460	230.36	230.35	230.36	0
58060000	95.920	271.08	0.66693	0.57494	0.66695	0.99707	226.15	226.32	226.16	0
58070000	95.923	280.33	0.80378	0.78807	0.80378	0.99855	223.30	223.35	223.31	0

56190000	83.908	410.72	0.15795	3.15286E-03	0.15788	0.98224	314.36	314.43	314.43	0
56200000	84.245	405.99	0.15219	3.35321E-03	0.15212	0.98137	314.54	314.61	314.61	0
56210000	84.613	399.04	0.14402	3.75828E-03	0.14394	0.98003	314.65	314.73	314.72	0
56220000	85.015	389.08	0.13277	4.53272E-03	0.13268	0.97794	314.59	314.67	314.67	0
56230000	85.450	375.36	0.11788	5.83792E-03	0.11779	0.97454	314.20	314.29	314.29	0
56240000	85.926	358.03	9.99087E-02	7.69289E-03	9.97883E-02	0.96905	313.20	313.31	313.31	0
56250000	86.455	338.83	8.11191E-02	9.85817E-03	8.09569E-02	0.96055	311.27	311.42	311.41	0
56260000	87.069	320.22	6.44620E-02	1.19318E-02	6.42438E-02	0.94851	308.13	308.36	308.32	0
56270000	87.820	303.99	5.17769E-02	1.36191E-02	5.15232E-02	0.93349	303.83	304.14	304.05	0
56280000	88.745	290.73	4.32584E-02	1.49222E-02	4.30234E-02	0.91747	298.78	299.12	298.97	0
56290000	89.826	280.20	3.82122E-02	1.61025E-02	3.80342E-02	0.90323	293.48	293.82	293.64	0
56300000	90.977	271.82	3.58569E-02	1.74948E-02	3.57329E-02	0.89323	288.28	288.58	288.40	0
56310000	92.103	264.99	3.56921E-02	1.94240E-02	3.56099E-02	0.88891	283.29	283.52	283.37	0

56320000	93.157	259.28	3.76555E-02	2.22917E-02	3.75963E-02	0.89086	278.46	278.65	278.52	0
56330000	94.055	254.46	4.23067E-02	2.67985E-02	4.22688E-02	0.89928	273.69	273.82	273.73	0
56340000	94.439	250.41	5.10774E-02	3.42216E-02	5.10832E-02	0.91389	268.75	268.75	268.75	0
56350000	94.546	247.34	6.75556E-02	4.75364E-02	6.75614E-02	0.93328	263.38	263.37	263.37	0
C-58	PIPE	COMPONENT								
58010000	95.362	246.78	0.10669	7.90540E-02	0.10669	0.95716	257.08	257.09	257.08	0
58020000	95.920	247.73	0.16902	0.13116	0.16903	0.97366	250.10	250.11	250.10	0
58030000	95.723	250.22	0.25815	0.20812	0.25815	0.98413	242.75	242.76	242.75	0
58040000	95.584	254.91	0.37585	0.31229	0.37584	0.99060	235.91	235.92	235.91	0
58050000	95.866	262.11	0.51711	0.43928	0.51710	0.99460	230.36	230.35	230.36	0
58060000	95.920	271.08	0.66693	0.57494	0.66695	0.99707	226.15	226.32	226.16	0
58070000	95.923	280.33	0.80378	0.69907	0.80378	0.99855	223.39	223.39	223.39	0
C-60	PIPE	COMPONENT								
60010000	96.415	289.30	0.91889	0.80301	0.91889	0.99947	222.09	222.09	222.09	0
60020000	99.073	296.92	0.99697	0.87132	0.99593	0.99998	223.44	218.47	223.10	0
60030000	98.916	293.25	0.99999	0.91468	1.0000	1.0000	205.28	387.72	387.71	0
C-62	PIPE	COMPONENT								
62010000	98.436	291.18	1.0000	0.93477	1.0000	1.0000	192.76	475.30	475.30	0
62020000	98.084	293.22	1.0000	0.89812	1.0000	1.0000	213.09	308.77	308.77	0
C-64	SNGLVOL	COMPONENT								
64010000	90.883	119.66	0.11373	0.11094	0.11339	0.95187	142.23	147.68	142.70	10
C-66	SNGLVOL	COMPONENT								
66010000	90.409	96.826	3.97889E-02	3.92142E-02	3.97588E-02	0.86108	125.40	127.38	125.45	10
C-68	SNGLVOL	COMPONENT								
68010000	86.827	91.087	1.59042E-02	1.56932E-02	1.58979E-02	0.71415	121.73	122.82	121.74	10
C-69	BRANCH	COMPONENT								
69010000	64.047	88.432	2.60769E-03	2.56799E-03	2.61183E-03	0.35194	120.26	116.80	120.25	10
C-70	BRANCH	COMPONENT								
70010000	50.340	88.017	3.51013E-04	3.45053E-04	3.52558E-04	8.43726E-02	120.04	112.14	120.04	10
C-71	SNGLVOL	COMPONENT								
71010000	42.582	87.960	2.16635E-05	2.12641E-05	2.18138E-05	6.64720E-03	120.01	109.17	120.01	10
C-73	BRANCH	COMPONENT								
73010000	12.047	87.950	1.40971E-06	1.38338E-06	1.52452E-06	1.56609E-03	119.99	119.99	119.99	0
C-75	SNGLVOL	COMPONENT								
75010000	10.001	92.707	3.34512E-02	2.98052E-02	3.34514E-02	0.97991	118.84	118.84	118.84	0
C-76	PIPE	COMPONENT								
76010000	247.48	957.61	0.86625	0.00000	0.78675	0.99744	400.08	366.70	400.08	10
76020000	191.87	943.95	0.79166	0.00000	0.77792	0.99787	378.34	352.33	378.34	10
76030000	168.31	936.24	0.78097	0.00000	0.77261	0.99805	367.62	350.82	367.62	10
76040000	152.29	930.66	0.77437	0.00000	0.76908	0.99819	359.63	348.60	359.63	0
C-79	SNGLVOL	COMPONENT								
79010000	2706.2	1011.9	1.0000	0.00000	0.99747	1.0000	679.87	679.73	679.87	0
C-81	SNGLVOL	COMPONENT								
81010000	2706.4	1011.8	1.0000	0.00000	0.99712	1.0000	679.88	679.72	679.88	0
C-83	PIPE	COMPONENT								
83010000	2713.5	1015.1	1.0000	0.00000	1.0000	1.0000	681.14	681.14	681.14	0
83020000	2713.5	1011.8	1.0000	0.00000	0.99997	1.0000	680.27	680.27	680.27	0
C-85	PIPE	COMPONENT								
85010000	2714.8	1011.7	1.0000	0.00000	1.0000	1.0000	680.35	680.35	680.35	0
85020000	2714.8	1015.1	1.0000	0.00000	1.0000	1.0000	681.25	681.25	681.25	0
C-87	PIPE	COMPONENT								
87010000	2708.0	1011.5	0.99999	0.00000	0.99669	1.0000	679.97	679.79	679.97	0
C-89	SNGLVOL	COMPONENT								
89010000	2709.5	1011.4	0.99999	0.00000	0.99697	1.0000	680.05	679.89	680.05	0
C-91	PIPE	COMPONENT								
91010000	2710.4	1011.0	1.0000	0.00000	0.99578	1.0000	680.10	679.87	680.10	0
91020000	2710.1	1011.2	0.99999	0.00000	0.99620	1.0000	680.08	679.88	680.08	0
91030000	2709.7	1011.3	0.99999	0.00000	0.99665	1.0000	680.06	679.88	680.06	0
C-93	SNGLVOL	COMPONENT								
93010000	15.793	246.09	0.97435	0.88516	0.97435	0.99997	129.50	129.51	129.50	0

C-95	SNGLVOL	COMPONENT								
95010000	166.93	935.60	0.77208	0.00000	0.77208	0.99803	366.95	366.95	366.95	0
C-96	SNGLVOL	COMPONENT								
96010000	214.60	953.22	0.78602	0.00000	0.78602	0.99765	387.75	387.76	387.75	0
C-97	BRANCH	COMPONENT								
97010000	154.80	931.02	0.77078	0.00000	0.76895	0.99814	360.92	357.09	360.92	0
C-99	SNGLVOL	COMPONENT								
99010000	2704.6	1012.2	0.99999	0.00000	0.99793	0.99999	679.78	679.67	679.78	0
C-101	SNGLVOL	COMPONENT								
101010000	2704.7	1012.1	0.99999	0.00000	0.99757	0.99999	679.79	679.65	679.79	0
C-103	PIPE	COMPONENT								
103010000	2704.7	1011.9	0.99999	0.00000	0.99757	0.99999	679.79	679.65	679.79	0

C-85	PIPE	COMPONENT									
85010000	2714.8	1011.7	1.0000	0.00000	1.0000	1.0000	680.35	680.35	680.35	0	
85020000	2714.8	1015.1	1.0000	0.00000	1.0000	1.0000	681.25	681.25	681.25	0	
C-87	PIPE	COMPONENT									
87010000	2708.0	1011.5	0.99999	0.00000	0.99669	1.0000	679.97	679.79	679.97	0	
C-89	SNGLVOL	COMPONENT									
89010000	2709.5	1011.4	0.99999	0.00000	0.99697	1.0000	680.05	679.89	680.05	0	
C-91	PIPE	COMPONENT									
91010000	2710.4	1011.0	1.0000	0.00000	0.99578	1.0000	680.10	679.87	680.10	0	
91020000	2710.1	1011.2	0.99999	0.00000	0.99620	1.0000	680.08	679.88	680.08	0	
91030000	2709.7	1011.3	0.99999	0.00000	0.99665	1.0000	680.06	679.88	680.06	0	
C-93	SNGLVOL	COMPONENT									
93010000	15.793	246.09	0.97435	0.88516	0.97435	0.99997	129.50	129.51	129.50	0	

C-95	SNGLVOL	COMPONENT								
95010000	166.93	935.60	0.77208	0.00000	0.77208	0.99803	366.95	366.95	366.95	0
C-96	SNGLVOL	COMPONENT								
96010000	214.60	953.22	0.78602	0.00000	0.78602	0.99785	387.75	387.76	387.75	0
C-97	BRANCH	COMPONENT								
97010000	154.80	931.02	0.77078	0.00000	0.76895	0.99814	360.92	357.09	360.92	0
C-99	SNGLVOL	COMPONENT								
99010000	2704.6	1012.2	0.99999	0.00000	0.99793	0.99999	679.78	679.67	679.78	0
C-101	SNGLVOL	COMPONENT								
101010000	2704.7	1012.1	0.99999	0.00000	0.99757	0.99999	679.79	679.65	679.79	0
C-103	PIPE	COMPONENT								
103010000	2706.2	1011.9	0.99999	0.00000	0.99746	0.99999	679.87	679.73	679.87	0
103020000	2706.0	1012.0	0.99999	0.00000	0.99774	0.99999	679.86	679.73	679.86	0
C-105	PIPE	COMPONENT								
105010000	2707.7	1011.7	0.99999	0.00000	0.99715	1.0000	679.95	679.80	679.95	0
105020000	2707.5	1011.8	0.99999	0.00000	0.99760	0.99999	679.94	679.81	679.94	0
C-107	SNGLVOL	COMPONENT								
107010000	2707.9	1011.5	0.99999	0.00000	0.99668	1.0000	679.96	679.78	679.96	0
C-109	SNGLVOL	COMPONENT								
109010000	2709.5	1011.4	0.99999	0.00000	0.99695	1.0000	680.05	679.88	680.05	0
C-111	PIPE	COMPONENT								
111010000	2710.4	1011.0	1.0000	0.00000	0.99577	1.0000	680.10	679.87	680.10	0
111020000	2710.0	1011.2	0.99999	0.00000	0.99619	1.0000	680.08	679.87	680.08	0
111030000	2709.7	1011.3	0.99999	0.00000	0.99664	1.0000	680.06	679.88	680.06	0
C-113	TMDPVOL	COMPONENT								
113010000	2721.7	1011.0	1.0000	0.00000	1.0000	1.0000	680.72	680.72	680.72	0
C-114	PIPE	COMPONENT								
114010000	160.37	944.89	0.78569	1.29629E-04	0.78569	0.99825	363.72	363.72	363.72	0
114020000	160.32	944.59	0.78535	1.57244E-04	0.78534	0.99824	363.70	363.69	363.70	0
114030000	160.30	944.16	0.78484	1.90154E-04	0.78484	0.99824	363.69	363.69	363.69	0
C-136	SNGLVOL	COMPONENT								
136010000	170.42	936.05	0.77363	0.00000	0.77191	0.99799	368.62	365.13	368.62	0
V-CASE	SNGLVOL	COMPONENT								
178010000	2023.8	997.07	0.82553	0.00000	0.82553	0.97141	637.48	637.48	637.48	11
C-193	SNGLVOL	COMPONENT								
193010000	15.668	240.04	0.95094	0.86637	0.95094	0.99994	128.18	128.18	128.18	0
C-195	PIPE	COMPONENT								
195010000	134.67	927.51	0.76953	6.20788E-05	0.76953	0.99839	350.04	350.04	350.04	0
195020000	131.24	928.93	0.77226	6.51707E-05	0.77226	0.99845	348.06	348.06	348.06	0
V-CASE	SNGLVOL	COMPONENT								
198010000	2023.6	996.78	0.82481	0.00000	0.82481	0.97128	637.47	637.47	637.47	11

VOL.NO.	RHO (LB/FT3)	RHOF (LB/FT3)	RHOG (LB/FT3)	VOLUME (FT3)	UF (BTU/LB)	UG (BTU/LB)	SOUNDE (FT/SEC)	HEAT INPUT (BTU/SEC)	VAPOR GEN. (LB/FT3-SEC)
1010000	9.0903	32.787	9.0903	0.00000	745.02	1011.0	1073.6	0.00000	10.976
36010000	0.74734	53.439	0.60192	0.14070	379.84	1100.0	1358.7	0.00000	-21.922
36020000	0.60305	54.210	0.47526	0.14070	359.57	1104.9	1348.9	0.00000	-12.851
36030000	0.54663	54.534	0.42590	0.14070	350.82	1108.1	1343.7	0.00000	-7.1049
38010000	0.59995	54.114	0.47282	0.35072	362.13	1114.5	1358.5	0.00000	3.79607E-03
38020000	0.60037	54.114	0.47281	0.35072	362.13	1114.5	1357.9	0.00000	-4.67704E-03
38030000	0.60078	54.114	0.47280	0.35072	362.12	1114.5	1357.4	0.00000	-4.60769E-03
38040000	0.60099	54.114	0.47280	0.35072	362.12	1114.5	1357.1	0.00000	-4.15515E-03
38050000	0.60084	54.114	0.47279	0.35072	362.12	1114.5	1357.3	0.00000	-3.65481E-03
38060000	0.60033	54.114	0.47278	0.35072	362.12	1114.5	1357.9	0.00000	-3.51848E-03
38070000	0.60001	54.115	0.47279	0.35072	362.11	1114.4	1358.3	0.00000	-2.74542E-03
40010000	0.60035	54.110	0.47330	0.21862	362.22	1114.5	1358.8	0.00000	5.58766E-02
42010000	0.62734	54.115	0.47284	0.32880	362.09	1114.1	1324.2	0.00000	-2.48246E-03
44010000	0.34964	55.937	0.26924	0.16683	311.14	1102.9	1326.5	0.00000	-6.2399
46010000	0.44644	55.103	0.35107	0.20824	335.08	1111.1	1352.9	0.00000	4.6268
46020000	0.45080	55.070	0.35481	0.35620	336.00	1111.1	1353.8	0.00000	9.48718E-02

46030000	0.45079	55.070	0.35482	0.35620	336.00	1111.1	1353.8	0.00000	-3.25102E-03
48010000	0.24366	56.737	0.19577	0.27948	297.17	1102.7	1253.4	0.00000	3.9545
48020000	0.23325	56.853	0.18697	0.27948	283.53	1101.7	1349.7	0.00000	-0.34769
48030000	0.23179	56.869	0.18562	0.27948	283.04	1101.8	1348.9	0.00000	-0.11365
48040000	0.23143	56.873	0.18521	0.27948	282.90	1101.8	1348.5	0.00000	-4.61993E-02
48050000	0.23125	56.877	0.18499	0.27948	282.80	1101.8	1348.1	0.00000	-1.65406E-02
48060000	0.23110	56.879	0.18477	0.27948	282.71	1101.7	1347.7	0.00000	-1.52653E-02
48070000	0.23097	56.882	0.18458	0.27948	282.63	1101.7	1347.2	0.00000	-1.48115E-02
48080000	0.23084	56.885	0.18438	0.27948	282.55	1101.6	1346.8	0.00000	-1.44480E-02
48090000	0.23073	56.887	0.18419	0.27948	282.46	1101.6	1346.3	0.00000	-1.41137E-02

36030000	0.54663	54.534	0.42590	0.14070	350.82	1108.1	1343.7	0.00000	-12.851
38010000	0.59995	54.114	0.47282	0.35072	362.13	1114.5	1358.5	0.00000	-7.1049
38020000	0.60037	54.114	0.47281	0.35072	362.13	1114.5	1357.9	0.00000	3.79607E-03
38030000	0.60078	54.114	0.47280	0.35072	362.12	1114.5	1357.4	0.00000	-4.67704E-03
38040000	0.60099	54.114	0.47280	0.35072	362.12	1114.5	1357.1	0.00000	-4.60769E-03
38050000	0.60084	54.114	0.47279	0.35072	362.12	1114.5	1357.3	0.00000	-4.15515E-03
38060000	0.60033	54.114	0.47278	0.35072	362.12	1114.5	1357.9	0.00000	-3.65481E-03
38070000	0.60001	54.115	0.47279	0.35072	362.11	1114.4	1358.3	0.00000	-3.51848E-03
40010000	0.60035	54.110	0.47330	0.21862	362.22	1114.5	1358.8	0.00000	-2.74542E-03
42010000	0.62734	54.115	0.47284	0.32880	362.09	1114.1	1324.2	0.00000	5.58766E-02
44010000	0.34964	55.937	0.26924	0.16683	311.14	1102.9	1326.5	0.00000	-2.48246E-03
46010000	0.44644	55.103	0.35107	0.20824	335.08	1111.1	1352.9	0.00000	-6.2399
46020000	0.45080	55.070	0.35481	0.35620	336.00	1111.1	1353.8	0.00000	4.6268

46030000	0.45079	55.070	0.35482	0.35620	336.00	1111.1	1353.8	0.00000	9.48718E-02
48010000	0.24366	56.737	0.19577	0.27948	287.13	1102.7	1353.4	0.00000	-3.25102E-03
48020000	0.23325	56.853	0.18697	0.27948	283.53	1101.7	1349.7	0.00000	3.9545
48030000	0.23179	56.869	0.18562	0.27948	283.04	1101.8	1348.9	0.00000	-0.34769
48040000	0.23143	56.873	0.18521	0.27548	282.90	1101.8	1348.5	0.00000	-0.11365
48050000	0.23125	56.877	0.18499	0.27948	282.80	1101.8	1348.1	0.00000	-4.61993E-02
48060000	0.23110	56.879	0.18478	0.27948	282.71	1101.7	1347.7	0.00000	-1.65406E-02
48070000	0.23097	56.882	0.18458	0.27548	282.63	1101.7	1347.2	0.00000	-1.52653E-02
48080000	0.23084	56.885	0.18438	0.27948	282.55	1101.6	1346.8	0.00000	-1.48115E-02
48090000	0.23073	56.887	0.18419	0.27948	282.46	1101.6	1346.3	0.00000	-1.44480E-02
50010000	0.22775	56.919	0.18179	0.27948	281.47	1101.4	1345.8	0.00000	-1.41173E-02
50020000	0.22729	56.926	0.18129	0.28824	281.25	1101.3	1345.1	0.00000	7.50928E-02
50030000	0.22715	56.929	0.18105	0.28824	281.15	1101.2	1344.5	0.00000	-2.41596E-02
50040000	0.22707	56.932	0.18084	0.28824	281.06	1101.1	1344.5	0.00000	-1.66597E-02
50050000	0.22701	56.935	0.18065	0.28824	280.98	1101.1	1343.9	0.00000	-1.36352E-02
52010000	0.22696	56.938	0.18046	0.27400	280.89	1101.0	1343.2	0.00000	-1.26211E-02
54010000	0.21729	57.040	0.17291	0.30578	277.69	1100.3	1342.6	0.00000	-1.25428E-02
54020000	0.21589	57.059	0.17156	0.30578	277.09	1100.1	1341.6	0.00000	0.27872
54030000	0.21563	57.064	0.17116	0.30578	276.91	1100.1	1340.3	0.00000	-5.66195E-02
54040000	0.21558	57.068	0.17092	0.30578	276.81	1100.0	1339.3	0.00000	-2.50430E-02
54050000	0.21558	57.071	0.17070	0.30578	276.81	1100.0	1338.4	0.00000	-1.35936E-02
54060000	0.21561	57.074	0.17050	0.30578	276.61	1099.9	1337.4	0.00000	-1.04420E-02
54070000	0.21566	57.077	0.17030	0.30578	276.61	1099.8	1336.4	0.00000	-9.42493E-03
54080000	0.21573	57.080	0.17011	0.30578	276.52	1099.7	1335.3	0.00000	-8.86785E-03
54090000	0.21582	57.083	0.16992	0.30578	276.43	1099.6	1334.1	0.00000	-8.37693E-03
54100000	0.21582	57.085	0.16973	0.30578	276.34	1099.5	1332.9	0.00000	-7.86108E-03
54110000	0.21593	57.088	0.16955	0.30578	276.25	1099.4	1332.9	0.00000	-7.29693E-03
54120000	0.21607	57.088	0.16955	0.30578	276.16	1099.3	1331.7	0.00000	-6.67638E-03
54130000	0.21622	57.091	0.16937	0.30578	276.07	1099.1	1330.3	0.00000	-5.99538E-03
54140000	0.21640	57.094	0.16919	0.30578	275.99	1099.0	1327.5	0.00000	-5.25256E-03
54150000	0.21660	57.096	0.16902	0.30578	275.90	1098.9	1326.0	0.00000	-4.45011E-03
54160000	0.21682	57.099	0.16886	0.30578	275.82	1098.7	1324.5	0.00000	-3.59432E-03
54170000	0.21707	57.102	0.16869	0.30578	275.74	1098.6	1322.9	0.00000	-2.69533E-03
54180000	0.21734	57.104	0.16854	0.30578	275.66	1098.4	1321.2	0.00000	-1.76591E-03
54190000	0.21763	57.107	0.16839	0.30578	275.58	1098.3	1319.5	0.00000	-8.20096E-04
54200000	0.21795	57.109	0.16824	0.30578	275.50	1098.1	1317.7	0.00000	1.24799E-04
54210000	0.21830	57.111	0.16811	0.30578	275.43	1097.9	1315.9	0.00000	8.55801E-04
54220000	0.21867	57.114	0.16798	0.30578	275.36	1097.7	1314.0	0.00000	1.49307E-03
54230000	0.21907	57.116	0.16786	0.30578	275.29	1097.6	1312.1	0.00000	4.33650E-03
54240000	0.21951	57.118	0.16774	0.30578	275.23	1097.4	1310.1	0.00000	2.91498E-03
54250000	0.21997	57.120	0.16764	0.30578	275.16	1097.1	1308.0	0.00000	7.02755E-03
54260000	0.22046	57.122	0.16755	0.30578	275.11	1096.9	1306.0	0.00000	8.79634E-03
54270000	0.22098	57.123	0.16748	0.30578	275.11	1096.7	1303.8	0.00000	1.02714E-02
54280000	0.22154	57.125	0.16741	0.30578	275.06	1096.5	1301.7	0.00000	9.61607E-03
54290000	0.22213	57.126	0.16736	0.30578	274.97	1096.2	1299.4	0.00000	1.02457E-02
54300000	0.22275	57.127	0.16733	0.30578	274.93	1096.0	1297.2	0.00000	1.16357E-02
54310000	0.22341	57.128	0.16730	0.30578	274.90	1095.8	1294.9	0.00000	1.31472E-02
54320000	0.22410	57.129	0.16730	0.30578	274.88	1095.5	1292.6	0.00000	1.47472E-02
54330000	0.22483	57.129	0.16731	0.30578	274.86	1095.2	1290.2	0.00000	1.64067E-02
54340000	0.22559	57.130	0.16733	0.30578	274.85	1095.0	1287.8	0.00000	1.81067E-02
54350000	0.22641	57.130	0.16737	0.30578	274.85	1094.7	1285.4	0.00000	1.98261E-02
54360000	0.22727	57.130	0.16743	0.30578	274.85	1094.5	1282.8	0.00000	2.15402E-02
54370000	0.22818	57.129	0.16750	0.30578	274.87	1094.2	1280.2	0.00000	2.32221E-02
54380000	0.22917	57.129	0.16759	0.30578	274.89	1094.0	1277.5	0.00000	2.48461E-02
54390000	0.23022	57.128	0.16770	0.30578	274.91	1093.8	1274.7	0.00000	2.63901E-02
54400000	0.23137	57.127	0.16782	0.30578	274.95	1093.5	1271.6	0.00000	2.78346E-02
54410000	0.23262	57.125	0.16797	0.30578	274.99	1093.3	1268.4	0.00000	2.91617E-02
54420000	0.23399	57.124	0.16812	0.30578	275.04	1093.1	1264.8	0.00000	3.03538E-02
54430000	0.23552	57.122	0.16829	0.30578	275.10	1092.9	1261.0	0.00000	3.13922E-02
54440000	0.23723	57.120	0.16848	0.30578	275.17	1092.8	1256.7	0.00000	3.22568E-02
54450000	0.23917	57.117	0.16868	0.30578	275.24	1092.6	1251.8	0.00000	3.29254E-02

54450000	0.24140	57.115	0.16889	0.30578	275.32	1092.5	1246.1	0.00000	3.33730E-02
54460000	0.24400	57.112	0.16910	0.30578	275.41	1092.4	1239.6	0.00000	3.35724E-02
54470000	0.24710	57.109	0.16933	0.30578	275.50	1092.3	1231.8	0.00000	3.34943E-02
54480000	0.25085	57.106	0.16956	0.30578	275.60	1092.3	1222.4	0.00000	3.31097E-02
54490000	0.25547	57.103	0.16979	0.30578	275.70	1092.3	1210.9	0.00000	3.23901E-02
54500000	0.26127	57.100	0.17003	0.30578	275.80	1092.3	1196.7	0.00000	3.13081E-02
54510000	0.26868	57.096	0.17027	0.30578	275.91	1092.4	1179.0	0.00000	2.98313E-02
54520000	0.27825	57.093	0.17051	0.30578	276.02	1092.5	1156.9	0.00000	2.79117E-02
54530000	0.29016	57.089	0.17076	0.30578	276.13	1092.6	1129.3	0.00000	2.54735E-02

54320000	0.22483	57.129	0.16731	0.30578	274.86	1095.2	1290.2	0.00000	1.47472E-02
54330000	0.22559	57.130	0.16733	0.30578	274.85	1095.0	1287.8	0.00000	1.64067E-02
54340000	0.22641	57.130	0.16737	0.30578	274.85	1094.7	1285.4	0.00000	1.81067E-02
54350000	0.22727	57.130	0.16743	0.30578	274.85	1094.5	1282.8	0.00000	1.98261E-02
54360000	0.22818	57.129	0.16750	0.30578	274.87	1094.2	1280.2	0.00000	2.15402E-02
54370000	0.22917	57.129	0.16759	0.30578	274.89	1094.0	1277.5	0.00000	2.32221E-02
54380000	0.23022	57.128	0.16770	0.30578	274.91	1093.8	1274.7	0.00000	2.48461E-02
54390000	0.23137	57.127	0.16782	0.30578	274.95	1093.5	1271.6	0.00000	2.63901E-02
54400000	0.23262	57.125	0.16797	0.30578	274.99	1093.3	1268.4	0.00000	2.78346E-02
54410000	0.23399	57.124	0.16812	0.30578	275.04	1093.1	1264.8	0.00000	2.91617E-02
54420000	0.23552	57.122	0.16829	0.30578	275.10	1092.9	1261.0	0.00000	3.03538E-02
54430000	0.23723	57.120	0.16848	0.30578	275.17	1092.8	1256.7	0.00000	3.13922E-02
54440000	0.23917	57.117	0.16868	0.30578	275.24	1092.6	1251.8	0.00000	3.22568E-02

54450000	0.24140	57.115	0.16889	0.30578	275.32	1092.5	1246.1	0.00000	3.33730E-02
54460000	0.24400	57.112	0.16910	0.30578	275.41	1092.4	1239.6	0.00000	3.35724E-02
54470000	0.24710	57.109	0.16933	0.30578	275.50	1092.3	1231.8	0.00000	3.34943E-02
54480000	0.25085	57.106	0.16956	0.30578	275.60	1092.3	1222.4	0.00000	3.31097E-02
54490000	0.25547	57.103	0.16979	0.30578	275.70	1092.3	1210.9	0.00000	3.23901E-02
54500000	0.26127	57.100	0.17003	0.30578	275.80	1092.3	1196.7	0.00000	3.13081E-02
54510000	0.26868	57.096	0.17027	0.30578	275.91	1092.4	1179.0	0.00000	2.98313E-02
54520000	0.27825	57.093	0.17051	0.30578	276.02	1092.5	1156.9	0.00000	2.79117E-02
54530000	0.29076	57.089	0.17076	0.30578	276.14	1092.6	1129.3	0.00000	2.54743E-02
54540000	0.30716	57.085	0.17102	0.30578	276.26	1092.7	1095.5	0.00000	2.24227E-02
54550000	0.32866	57.081	0.17128	0.30578	276.38	1092.9	1054.8	0.00000	1.85999E-02
54560000	0.35659	57.077	0.17157	0.30578	276.52	1093.0	1007.2	0.00000	1.39089E-02
54570000	0.39223	57.072	0.17187	0.30578	276.67	1093.2	953.68	0.00000	8.47477E-03
54580000	0.43636	57.067	0.17221	0.30578	276.82	1093.4	896.42	0.00000	2.44859E-03
54590000	0.48871	57.062	0.17257	0.30578	276.99	1093.6	838.57	0.00000	-4.06218E-03
54600000	0.54726	57.056	0.17297	0.30578	277.17	1093.8	783.80	0.00000	-1.08622E-02
54610000	0.60787	57.050	0.17341	0.30578	277.37	1093.9	735.64	0.00000	-1.28752E-02
54620000	0.66387	57.045	0.17378	0.30578	277.54	1094.1	696.97	0.00000	-2.54790E-02
54630000	0.71569	57.029	0.17495	0.30578	278.04	1094.3	667.31	0.00000	-5.47542E-02
54640000	0.77277	57.024	0.17526	0.30578	278.18	1094.4	635.94	0.00000	-3.64642E-02
54650000	0.82321	57.023	0.17537	0.30578	278.23	1094.4	610.56	0.00000	-6.86706E-02
54660000	0.85817	57.022	0.17545	0.30578	278.26	1094.4	594.32	0.00000	-7.08419E-02
54670000	0.87689	57.021	0.17554	0.30578	278.30	1094.4	586.12	0.00000	-7.13628E-02
54680000	0.88332	57.020	0.17563	0.30578	278.33	1094.3	583.48	0.00000	-7.45955E-02
54690000	0.88293	57.019	0.17571	0.30578	278.35	1094.2	583.82	0.00000	-7.75518E-02
54700000	0.88059	57.018	0.17580	0.30578	278.37	1094.0	585.01	0.00000	-8.04308E-02
54710000	0.87957	57.018	0.17588	0.30578	278.39	1093.8	585.62	0.00000	-8.41717E-02
54720000	0.88159	57.017	0.17597	0.30578	278.41	1093.6	584.89	0.00000	-8.93245E-02
54730000	0.88721	57.017	0.17605	0.30578	278.42	1093.3	582.59	0.00000	-9.60302E-02
54740000	0.89633	57.016	0.17614	0.30578	278.43	1093.0	578.21	0.00000	-0.10412
54750000	0.90854	57.016	0.17623	0.30578	278.44	1092.7	573.79	0.00000	-0.11326
54760000	0.92333	57.016	0.17633	0.30578	278.44	1092.3	567.83	0.00000	-0.12305
54770000	0.94025	57.016	0.17643	0.30578	278.45	1091.9	561.17	0.00000	-0.13321
54780000	0.95895	57.015	0.17654	0.30578	278.46	1091.5	554.01	0.00000	-0.14352
54790000	0.97913	57.015	0.17667	0.30578	278.48	1091.1	546.54	0.00000	-0.15409
54800000	1.0005	57.014	0.17681	0.30578	278.50	1090.7	538.91	0.00000	-0.16557
54810000	1.0227	57.013	0.17699	0.30578	278.54	1090.2	531.28	0.00000	-0.17847
54820000	1.0455	57.011	0.17720	0.30578	278.59	1089.8	523.77	0.00000	-0.19287
54830000	1.0686	57.009	0.17745	0.30578	278.65	1089.4	516.47	0.00000	-0.20893
54840000	1.0919	57.007	0.17774	0.30578	278.74	1089.0	509.47	0.00000	-0.22688
54850000	1.1151	57.003	0.17809	0.30578	278.85	1088.6	502.81	0.00000	-0.24706
54860000	1.1380	56.999	0.17850	0.30578	278.96	1088.2	496.56	0.00000	-0.26987
54870000	1.1604	56.994	0.17898	0.30578	279.14	1087.9	490.76	0.00000	-0.29585
54880000	1.1822	56.988	0.17953	0.30578	279.34	1087.5	485.46	0.00000	-0.32564
54890000	1.2033	56.980	0.18016	0.30578	279.57	1087.2	480.66	0.00000	-0.36005
54900000	1.2234	56.972	0.18088	0.30578	279.83	1086.9	476.42	0.00000	-0.39999
54910000	1.2425	56.962	0.18171	0.30578	280.14	1086.7	472.72	0.00000	-0.44647
54920000	1.2607	56.950	0.18266	0.30578	280.50	1086.5	469.58	0.00000	-0.50054
54930000	1.2781	56.937	0.18374	0.30578	280.91	1086.3	466.93	0.00000	-0.56277
54940000	1.2917	56.922	0.18500	0.30578	281.39	1086.2	465.60	0.00000	-0.64189
54950000	1.3911	56.907	0.18616	0.30578	281.85	1086.1	443.82	0.00000	-0.65337
56010000	1.3935	56.916	0.18525	0.49155	281.59	1086.0	442.06	0.00000	0.50600
56020000	1.3977	56.916	0.18532	0.49155	281.58	1085.9	441.08	0.00000	-0.20203
56030000	1.4038	56.913	0.18561	0.49155	281.68	1085.9	440.20	0.00000	-0.27584
56040000	1.4111	56.909	0.18595	0.49155	281.81	1085.9	439.14	0.00000	-0.29959
56050000	1.4184	56.904	0.18631	0.49155	281.95	1085.9	438.13	0.00000	-0.31498
56060000	1.4230	56.899	0.18669	0.49155	282.11	1086.0	437.74	0.00000	-0.32966
56070000	1.4215	56.894	0.18709	0.49155	282.27	1086.1	437.69	0.00000	-0.34349
56080000	1.4109	56.888	0.18748	0.49155	282.44	1086.2	441.68	0.00000	-0.35481
56090000	1.3891	56.883	0.18788	0.49155	282.60	1086.3	447.20	0.00000	-0.36207

56100000	1.3566	56.878	0.18826	0.49155	282.76	1086.4	455.40	0.00000	-0.36444
56110000	1.3156	56.873	0.18865	0.49155	282.93	1086.6	465.96	0.00000	-0.36213
56120000	1.2707	56.868	0.18903	0.49155	283.08	1086.6	478.06	0.00000	-0.35643
56130000	1.2271	56.863	0.18943	0.49155	283.24	1086.7	490.46	0.00000	-0.34939
56140000	1.1901	56.857	0.18984	0.49155	283.40	1086.6	501.68	0.00000	-0.34324
56150000	1.1636	56.852	0.19029	0.49155	283.57	1086.5	510.28	0.00000	-0.33999
56160000	1.1503	56.846	0.19079	0.49155	283.75	1086.3	515.19	0.00000	-0.34104
56170000	1.1514	56.840	0.19135	0.49155	283.94	1086.0	515.85	0.00000	-0.34715

54920000	1.2607	56.950	0.18266	0.30578	280.51	1086.7	472.72	0.00000	-0.44647
54930000	1.2781	56.937	0.18374	0.30578	280.91	1086.3	466.93	0.00000	-0.50054
54940000	1.2917	56.922	0.18500	0.30578	281.39	1086.2	465.60	0.00000	-0.56277
54950000	1.3911	56.907	0.18616	0.30578	281.85	1086.1	443.82	0.00000	-0.64189
56010000	1.3935	56.916	0.18525	0.49155	281.59	1086.0	442.06	0.00000	-0.65337
56020000	1.3979	56.916	0.18532	0.49155	281.58	1085.9	441.08	0.00000	-0.50600
56030000	1.4038	56.913	0.18561	0.49155	281.69	1085.9	440.20	0.00000	-0.20203
56040000	1.4111	56.909	0.18595	0.49155	281.81	1085.9	439.14	0.00000	-0.27584
56050000	1.4184	56.904	0.18631	0.49155	281.95	1085.9	438.13	0.00000	-0.29959
56060000	1.4230	56.899	0.18669	0.49155	282.11	1086.0	437.74	0.00000	-0.31498
56070000	1.4215	56.894	0.18709	0.49155	282.27	1086.1	437.69	0.00000	-0.32966
56080000	1.4109	56.888	0.18748	0.49155	282.44	1086.2	441.68	0.00000	-0.34349
56090000	1.3891	56.883	0.18788	0.49155	282.60	1086.3	447.20	0.00000	-0.35481

56100000	1.3566	56.878	0.18826	0.49155	282.76	1086.4	455.40	0.00000	-0.36207
56110000	1.3156	56.873	0.18865	0.49155	282.93	1086.6	465.96	0.00000	-0.36444
56120000	1.2707	56.868	0.18903	0.49155	283.08	1086.6	478.06	0.00000	-0.36213
56130000	1.2271	56.863	0.18943	0.49155	283.24	1086.6	490.46	0.00000	-0.35643
56140000	1.1901	56.857	0.18984	0.49155	283.40	1086.6	501.68	0.00000	-0.34939
56150000	1.1636	56.852	0.19029	0.49155	283.57	1086.5	510.28	0.00000	-0.34324
56160000	1.1503	56.846	0.19079	0.49155	283.75	1086.3	515.19	0.00000	-0.33999
56170000	1.1514	56.840	0.19135	0.49155	283.94	1086.0	515.85	0.00000	-0.34104
56180000	1.1672	56.834	0.19199	0.49155	284.14	1085.4	512.15	0.00000	-0.34710
56190000	1.1986	56.827	0.19274	0.49155	284.34	1084.4	504.12	0.00000	-0.35835
56200000	1.2485	56.821	0.19362	0.49155	284.53	1082.6	491.48	0.00000	-0.37475
56210000	1.3250	56.810	0.19472	0.49155	284.64	1078.9	473.10	0.00000	-0.39665
56220000	1.4452	56.820	0.19621	0.49155	284.58	1071.7	446.90	0.00000	-0.42605
56230000	1.6398	56.833	0.19834	0.49155	284.17	1057.7	410.63	0.00000	-0.46954
56240000	1.9550	56.867	0.20156	0.49155	283.14	1032.8	364.37	0.00000	-0.54494
56250000	2.4440	56.932	0.20639	0.49155	281.14	992.30	313.18	0.00000	-0.69039
56260000	3.1389	57.036	0.21332	0.49155	277.90	934.41	266.15	0.00000	-0.95423
56270000	4.0102	57.177	0.22243	0.49155	273.45	863.37	230.99	0.00000	-1.3071
56280000	4.9460	57.342	0.23320	0.49155	268.22	788.61	209.71	0.00000	-1.5328
56290000	5.7863	57.512	0.24479	0.49155	262.78	718.72	199.76	0.00000	-1.4231
56300000	6.3870	57.676	0.25639	0.49155	257.47	657.77	197.74	0.00000	-1.0883
56310000	6.6619	57.832	0.26749	0.49155	252.37	606.06	201.46	0.00000	-0.7558
56320000	6.5753	57.981	0.27792	0.49155	247.43	562.08	210.28	0.00000	-0.49836
56330000	6.1131	58.126	0.28758	0.49155	242.56	523.85	225.17	0.00000	-0.35444
56340000	5.2875	58.274	0.29551	0.49155	237.52	489.98	248.70	0.00000	-0.22166
56350000	4.1807	58.433	0.30261	0.49155	232.03	458.67	286.95	0.00000	4.51729E-02
58010000	2.8107	58.616	0.31330	0.54635	225.62	423.96	363.96	0.00000	5.44405E-02
58020000	1.8640	58.815	0.32359	0.54635	218.56	391.15	464.52	0.00000	0.61721
58030000	1.2625	59.020	0.33117	0.54635	211.11	362.62	582.30	0.00000	0.47608
58040000	0.89110	59.207	0.33809	0.54635	204.19	339.14	711.79	0.00000	0.45178
58050000	0.66366	59.356	0.34505	0.54635	198.58	321.44	844.57	0.00000	0.36343
58060000	0.52257	59.467	0.34954	0.54635	194.32	309.42	968.61	0.00000	0.23834
58070000	0.43784	59.540	0.35243	0.54635	191.53	302.01	1071.7	0.00000	4.71533E-02
60010000	0.38688	59.573	0.35569	0.60828	190.22	298.05	1153.3	0.00000	0.10733
60020000	0.36865	59.539	0.36754	0.60828	191.58	297.24	1207.7	0.00000	0.16044
60030000	0.29971	59.998	0.29971	0.60828	173.31	293.25	1451.0	0.00000	-3.8519E-04
62010000	0.27339	60.297	0.27339	0.54800	160.71	291.18	1515.4	0.00000	0.00000
62020000	0.32484	59.804	0.32484	0.54800	181.16	293.22	1388.2	0.00000	0.00000
64010000	3.3313	61.352	0.39802	0.90420	110.12	193.97	359.55	0.00000	-1.8849
66010000	8.9177	61.643	0.41206	0.82200	93.317	181.50	231.25	0.00000	-0.18009
68010000	17.922	61.701	0.39912	0.82200	89.655	179.66	175.55	0.00000	-3.87322E-02
69010000	40.102	61.720	0.29712	2.2358	88.192	180.34	142.85	0.00000	5.02248E-03
70010000	56.533	61.721	0.23519	2.2358	87.984	181.07	215.38	0.00000	4.89565E-04
71010000	61.311	61.720	0.19981	2.2358	87.958	181.83	666.11	0.00000	1.09729E-05
73010000	61.618	61.714	5.54649E-02	600.33	87.950	183.96	658.16	0.00000	2.05832E-06
75010000	1.2827	61.732	4.37864E-02	199.98	86.799	263.43	178.48	0.00000	1.03250E-03
76010000	0.70820	53.652	0.57245	0.10050	374.34	1097.8	1360.0	0.00000	-23.366
76020000	0.55505	54.521	0.44032	0.10050	351.18	1100.0	1349.3	0.00000	-17.838
76030000	0.48759	54.933	0.38154	0.10050	339.82	1103.5	1341.9	0.00000	-11.426
76040000	0.44227	55.233	0.34310	0.10050	331.41	1105.3	1336.6	0.00000	-7.4470
79010000	9.0032	32.953	9.0032	0.11760	743.18	1011.9	1079.8	0.00000	-1.62538E-04
81010000	9.0083	32.951	9.0083	8.65830E-02	743.20	1011.8	1079.6	0.00000	-1.82018E-04
83010000	8.8679	32.875	8.8679	7.93800E-02	744.05	1015.1	1399.1	0.00000	0.00000
83020000	9.0304	32.875	9.0304	9.37860E-02	744.05	1011.8	1077.7	0.00000	-1.52341E-06
85010000	9.0377	32.861	9.0377	0.10334	744.20	1011.7	1379.8	0.00000	0.00000
85020000	8.8696	32.861	8.8696	0.10334	744.21	1015.1	1401.5	0.00000	0.00000
87010000	9.0240	32.934	9.0239	8.58480E-02	743.79	1011.5	1078.7	0.00000	-2.36172E-04
89010000	9.0322	32.918	9.0321	0.11539	743.57	1011.4	1078.1	0.00000	-2.13253E-04
91010000	9.0514	32.908	9.0514	0.15787	743.68	1011.0	1077.1	0.00000	-2.73303E-04
91020000	9.0443	32.912	9.0443	0.15787	743.64	1011.2	1077.4	0.00000	-2.54223E-04

91030000	9.0373	32.915	9.0373	0.15787	743.60	1011.3	1077.8	0.00000	-2.31078E-04
93010000	7.03792E-02	61.561	6.85759E-02	9000.0	97.441	250.00	1088.9	0.00000	2.38451E-04
95010000	0.47508	54.558	0.36752	0.10261	339.12	1111.7	1341.2	0.00000	1.1466
96010000	0.59392	54.150	0.46794	0.16944	361.16	1114.4	1358.2	0.00000	1.8909
97010000	0.44570	55.185	0.34418	0.12140	332.77	1108.9	1336.8	0.00000	-2.6270
99010000	8.9866	32.971	8.9865	0.11760	742.98	1012.2	1080.8	0.00000	-1.62421E-04
101010000	8.9915	32.969	8.9915	8.65830E-02	743.00	1012.1	1080.5	0.00000	-1.88355E-04

