

50-305

RESPONSE TO NUREG-0737 ITEM II.D.1

Docket # *50-305*

Control # *8403280048*

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

0.19100	367.15	223.18	412.29	283.81	385.40	219.60	392.50	260.28	102.55
0.19200	367.75	223.18	412.28	284.70	385.64	220.03	393.41	262.05	102.94
0.19300	368.45	224.39	412.04	283.02	391.04	220.80	394.28	263.66	103.24
0.19400	369.03	224.90	412.23	283.60	391.36	224.62	395.11	265.07	103.47
0.19500	370.09	227.30	412.62	284.84	392.59	227.30	395.88	266.22	103.60
0.19600	370.70	228.41	413.17	286.57	393.24	228.83	396.61	267.30	103.64
0.19700	372.48	232.78	413.21	286.71	392.32	226.35	397.36	268.65	103.64
0.19800	373.74	234.20	412.90	285.70	393.36	229.09	398.15	270.31	103.65
0.19900	375.91	238.12	412.63	284.87	392.75	227.48	398.89	271.70	103.68

TIME (SEC)	P 114020000 (LF/IN2)	RHO 114020000 (LB/FT3)	TEMP 48010000 (DEGF)	TEMP 48080000 (DEGF)	P 48080000 (LF/IN2)	TEMP 52010000 (DEGF)	P 52010000 (LF/IN2)	TEMP 52010000 (DEGF)	P 52010000 (LF/IN2)
0.15000	157.99	8.0745	290.42	272.34	44.142	266.63	40.194	266.63	40.194
0.15100	160.39	8.0567	291.52	273.11	44.682	267.45	40.763	267.45	40.763
0.15200	162.81	8.0356	292.63	273.88	45.234	268.44	41.445	268.44	41.445
0.15300	165.24	8.0127	293.75	274.66	45.796	269.51	42.192	269.51	42.192
0.15400	167.67	7.9877	294.88	275.40	46.345	270.57	42.939	270.57	42.939
0.15500	170.05	7.9605	296.02	276.11	46.872	271.60	43.667	271.60	43.667
0.15600	172.44	7.9316	297.16	276.78	47.377	272.61	44.391	272.61	44.391
0.15700	174.86	7.9020	298.29	277.72	48.099	273.63	45.129	273.63	45.129
0.15800	177.19	7.8716	299.12	278.79	48.925	274.65	45.874	274.65	45.874
0.15900	179.50	7.8398	299.67	279.10	49.165	275.65	46.617	275.65	46.617
0.16000	181.97	7.8099	300.14	279.31	49.326	276.64	47.352	276.64	47.352
0.16100	184.40	7.7828	300.63	279.41	49.404	277.62	48.097	277.62	48.097
0.16200	186.44	7.7524	301.18	280.88	50.579	278.62	48.857	278.62	48.857
0.16300	188.46	7.7175	301.78	281.94	51.434	279.49	49.534	279.49	49.534
0.16400	190.38	7.6785	302.44	282.89	52.211	279.86	49.814	279.86	49.814
0.16500	192.14	7.6346	303.13	283.82	52.989	279.90	49.832	279.90	49.832
0.16600	193.88	7.5878	303.84	284.74	53.763	279.95	49.869	279.95	49.869
0.16700	195.72	7.5426	304.56	285.66	54.540	279.96	49.866	279.96	49.866
0.16800	197.73	7.5036	305.29	286.57	55.320	280.18	50.033	280.18	50.033
0.16900	199.96	7.4751	306.03	287.47	56.102	280.12	49.982	280.12	49.982
0.17000	202.39	7.4599	306.79	288.36	56.881	279.62	49.573	279.62	49.573
0.17100	205.01	7.4591	307.59	289.23	57.651	279.81	49.723	279.81	49.723
0.17200	207.78	7.4723	308.42	290.08	58.404	280.12	49.969	280.12	49.969
0.17300	210.66	7.4976	309.31	290.88	59.134	280.35	50.148	280.35	50.148
0.17400	213.61	7.5319	311.53	291.62	59.803	280.64	50.377	280.64	50.377
0.17500	216.59	7.5709	314.06	291.93	60.076	281.01	50.669	281.01	50.669
0.17600	219.57	7.6100	315.97	291.64	59.796	281.51	51.069	281.51	51.069
0.17700	222.50	7.6439	317.55	291.55	59.707	282.31	51.719	282.31	51.719
0.17800	225.41	7.6680	318.88	291.53	59.674	283.47	52.674	283.47	52.674
0.17900	228.31	7.6786	320.06	291.48	59.618	285.15	54.094	285.15	54.094
0.18000	231.16	7.6728	321.13	291.61	59.731	286.55	55.285	286.55	55.285
0.18100	233.92	7.6479	322.13	291.99	60.071	286.99	55.657	286.99	55.657
0.18200	236.64	7.6030	323.06	292.59	60.631	287.16	55.799	287.16	55.799
0.18300	239.30	7.5380	323.93	293.38	61.369	287.49	56.083	287.49	56.083
0.18400	241.94	7.4540	324.74	294.30	62.234	288.03	56.550	288.03	56.550
0.18500	244.46	7.3519	325.50	295.28	63.168	288.68	57.118	288.68	57.118
0.18600	246.87	7.2334	326.20	296.28	64.137	289.26	57.628	289.26	57.628
0.18700	249.10	7.1001	326.83	297.28	65.117	289.38	57.723	289.38	57.723
0.18800	251.12	6.9539	327.39	298.28	66.101	289.61	57.924	289.61	57.924
0.18900	253.23	6.7986	327.87	299.26	67.074	290.26	58.512	290.26	58.512
0.19000	255.40	6.6377	328.27	300.20	68.028	290.88	59.068	290.88	59.068
0.19100	257.36	6.4730	328.61	301.12	68.965	291.51	59.642	291.51	59.642
0.19200	259.16	6.3068	328.88	301.99	69.865	292.23	60.307	292.23	60.307
0.19300	260.78	6.1394	329.09	302.82	70.727	292.99	61.013	292.99	61.013
0.19400	262.11	5.9708	329.25	303.60	71.546	293.82	61.793	293.82	61.793
0.19500	263.38	5.8034	329.34	304.33	72.319	294.71	62.634	294.71	62.634
0.19600	264.83	5.6403	329.37	305.01	73.045	295.63	63.510	295.63	63.510
0.19700	266.71	5.4821	329.37	305.63	73.719	296.55	64.409	296.55	64.409
0.19800	268.53	5.3253	329.37	306.21	74.341	297.48	65.315	297.48	65.315
0.19900	269.53	5.1661	329.39	306.73	74.913	298.39	66.218	298.39	66.218

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)
0.15000	136.85	24.176	185.70	20.945	131.97	148.21	0.38307	357.49	0.42259
0.15100	137.95	24.409	185.43	20.919	132.79	149.17	0.38519	357.99	0.42509
0.15200	139.32	24.618	185.20	20.897	133.43	149.92	0.38682	358.39	0.42707
0.15300	141.08	24.806	184.93	20.871	133.89	150.48	0.38800	358.68	0.42851
0.15400	143.36	25.016	184.65	20.845	134.20	150.86	0.38878	358.88	0.42950
0.15500	146.10	25.211	184.40	20.824	134.36	151.09	0.38920	359.00	0.43008
0.15600	149.26	25.393	184.20	20.806	134.41	151.16	0.38932	359.04	0.43028
0.15700	152.85	25.559	184.04	20.792	134.37	151.14	0.38921	359.03	0.43021
0.15800	156.72	25.715	183.94	20.782	134.20	150.98	0.38881	358.94	0.42981
0.15900	160.78	25.880	183.95	20.786	133.89	150.75	0.38822	358.83	0.42932

0.19100	257.36	6.477	328.61	301.12	68.865	291.51	59.642	291.51	59.642
0.19200	259.16	6.306P	328.88	301.99	69.865	292.23	60.307	292.23	60.307
0.19300	260.78	6.1394	329.09	302.82	70.727	292.99	61.013	292.99	61.013
0.19400	262.11	5.9708	329.25	303.60	71.546	293.82	61.793	293.82	61.793
0.19500	263.38	5.8034	329.34	304.33	72.319	294.71	62.634	294.71	62.634
0.19600	264.83	5.6403	329.37	305.01	73.045	295.63	63.510	295.63	63.510
0.19700	266.71	5.4821	329.37	305.63	73.719	296.55	64.409	296.55	64.409
0.19800	268.53	5.3253	329.37	306.21	74.341	297.48	65.315	297.48	65.315
0.19900	269.53	5.1661	329.39	306.73	74.913	298.39	66.218	298.39	66.218

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)
0.15000	136.85	24.176	185.70	20.845	131.97	148.21	0.38307	357.49	0.42259
0.15100	137.95	24.409	185.43	20.919	132.79	149.17	0.38519	357.99	0.42509
0.15200	139.32	24.618	185.20	20.897	133.43	149.92	0.38682	358.39	0.42707
0.15300	141.08	24.806	184.93	20.871	133.89	150.48	0.38800	358.68	0.42851
0.15400	143.36	25.016	184.65	20.845	134.20	150.86	0.38878	358.88	0.42950
0.15500	146.10	25.211	184.40	20.824	134.36	151.09	0.38920	359.00	0.43008
0.15600	149.26	25.393	184.20	20.806	134.41	151.16	0.38932	359.04	0.43026
0.15700	152.85	25.559	184.04	20.792	134.37	151.14	0.38921	359.03	0.43021
0.15800	156.72	25.715	183.94	20.782	134.20	150.98	0.38881	358.94	0.42981
0.15900	160.78	25.889	183.95	20.786	133.99	150.75	0.38822	358.83	0.42922
0.16000	164.99	26.046	184.03	20.796	133.75	150.50	0.38759	358.69	0.42853
0.16100	169.30	26.215	184.13	20.808	133.61	150.31	0.38719	358.59	0.42798
0.16200	173.69	26.389	184.29	20.827	133.55	150.22	0.38705	358.55	0.42775
0.16300	178.14	26.559	184.53	20.855	133.54	150.20	0.38707	358.54	0.42772
0.16400	182.65	26.735	184.83	20.889	133.59	150.24	0.38723	358.56	0.42786
0.16500	187.23	26.920	185.19	20.930	133.66	150.33	0.38744	358.60	0.42811
0.16600	191.85	27.111	185.61	20.978	133.62	150.32	0.38731	358.60	0.42810
0.16700	196.49	27.327	186.07	21.032	133.31	150.06	0.38652	358.46	0.42742
0.16800	201.13	27.564	186.59	21.091	132.83	149.56	0.38530	358.20	0.42613
0.16900	205.68	27.813	187.16	21.157	132.47	149.08	0.38439	357.95	0.42491
0.17000	210.07	28.057	187.79	21.230	132.47	148.96	0.38443	357.89	0.42463
0.17100	214.21	28.277	188.49	21.311	132.91	149.34	0.38561	358.08	0.42565
0.17200	218.03	28.457	189.26	21.401	133.71	150.15	0.38770	358.51	0.42779
0.17300	221.48	28.588	190.11	21.502	134.71	151.22	0.39030	359.07	0.43059
0.17400	224.55	28.671	191.07	21.615	135.77	152.39	0.39304	359.68	0.43365
0.17500	227.29	28.737	192.13	21.742	136.80	153.55	0.39570	360.28	0.43667
0.17600	229.84	28.861	193.34	21.887	137.74	154.62	0.39811	360.83	0.43945
0.17700	232.33	29.107	194.73	22.056	138.56	155.55	0.40019	361.30	0.44186
0.17800	234.94	29.575	196.36	22.254	139.25	156.34	0.40197	361.71	0.44393
0.17900	237.55	30.158	198.28	22.493	139.86	157.04	0.40354	362.06	0.44574
0.18000	239.30	30.265	200.60	22.783	140.45	157.68	0.40504	362.39	0.44741
0.18100	240.65	30.213	203.43	23.141	141.05	158.33	0.40658	362.71	0.44909
0.18200	241.86	30.167	206.86	23.580	141.69	159.02	0.40822	363.06	0.45090
0.18300	242.96	30.147	210.97	24.113	142.37	159.76	0.40996	363.43	0.45281
0.18400	244.00	30.160	215.76	24.740	143.07	160.52	0.41173	363.81	0.45479
0.18500	244.98	30.212	221.10	25.445	143.77	161.29	0.41352	364.19	0.45678
0.18600	245.93	30.308	226.73	26.197	144.38	159.52	0.41548	363.31	0.45207
0.18700	246.86	30.446	232.39	26.960	148.11	161.20	0.42500	364.15	0.45683
0.18800	247.78	30.627	237.86	27.711	150.74	162.88	0.43194	364.98	0.46134
0.18900	248.68	30.845	243.11	28.446	153.13	164.49	0.43831	365.77	0.46569
0.19000	249.59	31.101	248.23	29.182	155.67	166.47	0.44506	366.73	0.47047
0.19100	250.51	31.400	253.57	29.988	158.02	168.06	0.45132	367.50	0.47534
0.19200	251.43	31.720	259.90	30.969	160.04	169.65	0.45680	368.26	0.47972
0.19300	252.33	32.069	266.59	31.978	161.80	170.98	0.46163	368.89	0.48342
0.19400	253.26	32.444	272.54	32.891	163.52	172.30	0.46636	369.51	0.48708
0.19500	254.19	32.850	278.02	33.775	165.20	173.46	0.47111	370.06	0.49034
0.19600	255.14	33.280	283.36	34.649	166.85	174.71	0.47533	370.64	0.49358
0.19700	256.09	33.737	288.42	35.479	168.43	175.89	0.47976	371.19	0.49676
0.19800	257.05	34.216	293.02	36.239	170.13	177.13	0.48460	371.76	0.50043
0.19900	258.00	34.715	297.09	36.915	172.09	178.56	0.49003	372.42	0.50461

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)
0.15000	440.20	81.439	355.56	167.03	157.99	58.785	74.592	306.75	124.93
0.15100	430.96	81.958	356.22	169.25	160.39	59.800	75.031	307.14	125.23
0.15200	422.03	82.374	356.88	171.44	162.81	60.833	75.056	307.17	125.15
0.15300	413.49	82.682	357.55	173.61	165.24	61.889	75.060	307.18	125.01
0.15400	405.33	82.894	358.24	175.76	167.67	62.972	75.307	307.42	125.14
0.15500	397.47	83.023	358.93	177.87	170.05	64.072	75.761	307.86	125.46
0.15600	389.94	83.072	359.64	179.95	172.44	65.188	76.317	308.39	125.84
0.15700	382.60	83.061	360.36	182.01	174.86	66.312	92.635	321.89	145.17
0.15800	375.90	82.979	361.09	184.05	177.19	67.136	92.090	321.57	99.797

0.19200	251.43	31.77	259.90	30.969	160.04	169.65	0.45132	367.50	0.47534
0.19300	252.33	32.069	266.59	31.978	161.80	170.98	0.46163	368.89	0.48342
0.19400	253.26	32.444	272.54	32.891	163.52	172.30	0.46636	369.51	0.48708
0.19500	254.19	32.850	278.02	33.775	165.20	173.46	0.47111	370.06	0.49034
0.19600	255.14	33.280	283.36	34.649	166.85	174.71	0.47533	370.64	0.49358
0.19700	256.09	33.737	288.42	35.479	168.43	175.89	0.47976	371.19	0.49676
0.19800	257.05	34.216	293.02	36.239	170.13	177.13	0.48460	371.76	0.50043
0.19900	258.00	34.715	297.09	36.915	172.09	178.56	0.49003	372.42	0.50461

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)
0.15000	440.20	81.439	355.56	167.03	157.99	58.785	74.592	306.75	124.93
0.15100	430.96	81.958	356.22	169.25	160.39	59.800	75.031	307.14	125.23
0.15200	422.03	82.374	356.88	171.44	162.81	60.833	75.056	307.17	125.15
0.15300	413.49	82.682	357.55	173.61	165.24	61.889	75.060	307.18	125.01
0.15400	405.33	82.894	358.24	175.76	167.67	62.972	75.307	307.42	125.14
0.15500	397.47	83.023	358.93	177.87	170.05	64.072	75.761	307.86	125.46
0.15600	389.94	83.072	359.64	179.95	172.44	65.188	76.317	308.39	125.84
0.15700	382.60	83.061	360.36	182.01	174.86	66.312	76.635	321.89	145.17
0.15800	375.90	82.979	361.09	184.05	177.19	67.136	76.090	321.57	89.797
0.15900	369.66	82.879	361.83	186.04	179.50	67.670	77.686	309.83	426.55
0.16000	363.86	82.747	362.58	188.05	181.97	68.135	74.098	306.63	418.13
0.16100	358.93	82.629	363.36	190.13	184.40	68.625	74.443	306.97	430.14
0.16200	353.87	82.575	364.15	192.15	186.44	69.180	75.864	307.92	441.43
0.16300	348.41	82.563	364.93	194.00	188.46	69.795	75.920	307.60	438.28
0.16400	342.82	82.579	365.71	195.74	190.38	70.467	76.121	307.53	450.01
0.16500	336.90	82.627	366.47	197.36	192.14	71.188	76.977	308.19	472.62
0.16600	330.83	82.637	367.23	198.86	193.88	71.939	77.925	309.01	493.46
0.16700	325.10	82.520	367.99	200.32	195.72	72.707	78.922	309.88	509.90
0.16800	320.23	82.268	368.75	201.86	197.73	73.489	79.901	310.74	521.87
0.16900	316.65	82.009	369.53	203.56	199.96	74.289	80.842	311.57	528.66
0.17000	314.61	81.917	370.36	205.49	202.39	75.122	81.724	312.37	530.07
0.17100	314.13	82.077	371.22	207.69	205.01	76.002	82.629	313.18	528.08
0.17200	315.10	82.480	372.14	210.13	207.78	76.940	83.527	313.98	522.11
0.17300	317.29	83.031	373.11	212.79	210.66	77.941	84.398	314.74	512.98
0.17400	320.42	83.643	374.12	215.63	213.61	80.586	85.252	315.48	502.08
0.17500	324.13	84.256	375.18	218.59	216.59	83.625	86.072	316.16	485.68
0.17600	328.06	84.826	376.26	221.59	219.57	85.966	87.150	317.06	476.56
0.17700	331.89	85.322	377.37	224.63	222.50	87.915	87.957	317.74	466.69
0.17800	335.21	85.747	378.50	227.68	225.41	89.586	89.335	318.85	458.74
0.17900	337.75	86.120	379.64	230.71	228.31	91.081	90.096	319.48	447.05
0.18000	339.29	86.459	380.79	233.71	231.16	92.460	90.966	320.18	436.03
0.18100	339.57	86.795	381.94	236.65	233.92	93.755	91.920	320.95	425.10
0.18200	338.50	87.154	383.08	239.50	236.64	94.977	92.668	321.56	414.03
0.18300	336.05	87.539	384.21	242.26	239.30	96.132	93.873	322.51	408.98
0.18400	332.32	87.936	385.34	244.95	241.94	97.222	94.130	322.75	394.90
0.18500	327.31	88.337	386.44	247.56	244.46	98.246	95.212	323.59	385.29
0.18600	321.04	87.438	387.53	250.03	246.87	99.199	97.330	325.18	377.10
0.18700	313.61	87.675	388.59	252.35	249.10	100.07	88.204	318.32	352.08
0.18800	305.00	88.397	389.60	254.45	251.12	100.85	90.904	320.48	352.81
0.18900	295.76	89.098	390.59	256.39	253.23	101.52	92.360	321.68	340.31
0.19000	286.42	89.953	391.55	258.34	255.40	102.08	93.158	322.38	321.18
0.19100	276.87	90.824	392.50	260.28	257.36	102.55	94.126	323.20	300.27
0.19200	267.07	91.463	393.41	262.05	259.16	102.94	95.393	324.21	281.34
0.19300	258.99	91.979	394.28	263.66	260.78	103.24	198.90	381.05	161.10
0.19400	248.75	92.655	395.11	265.07	262.11	103.47	213.78	387.17	178.17
0.19500	238.49	93.237	395.88	266.22	263.38	103.60	215.18	387.79	178.32
0.19600	228.85	93.845	396.61	267.30	264.83	103.64	212.98	386.96	172.72
0.19700	220.40	94.373	397.36	268.65	266.71	103.64	209.32	385.56	166.60
0.19800	212.58	94.961	398.15	270.31	268.53	103.65	205.01	383.85	160.11
0.19900	204.05	95.632	398.89	271.70	269.53	103.68	201.98	382.62	155.98

ATTEMPTED ADV: TOT.= 967 EDIT= 193 MIN.DT= 1.250000E-04 SEC LAST DT= 5.000000E-04 SEC MS.ERR= -21.9064 LB  
 REPEATED ADV: TOT.= 61 EDIT= 3 MAX.DT= 5.000000E-04 SEC CRNT.DT= 5.290344E-04 SEC TOT.MS= 38964.5 LB  
 SUCCESSFUL ADV: TOT.= 906 EDIT= 190 AVG.DT= 2.631579E-04 SEC ERR.EST= 3.633337E-04 M.RATN= -5.622138E-04  
 REQUESTED ADV: TOT.= 200 EDIT= 50 REQ.DT= 1.000000E-03 SEC CPU= 218.641 SEC TIME= 0.200000 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	2706.4	1012.6	1.0000	0.00000	1.0000	1.0000	679.88	679.88	679.88	10
C-36	PIPE COMPONENT									
36010000	269.28	558.81	0.80184	0.00000	0.78528	0.99715	407.56	379.93	407.56	10
36020000	218.57	948.23	0.78911	0.00000	0.77872	0.99756	389.32	370.32	389.32	10

0.19300	258.99	91.979	394.28	263.66	260.78	103.24	198.90	381.05	161.10
0.19400	248.75	92.655	395.11	265.07	262.11	103.47	213.78	387.17	178.17
0.19500	238.49	93.237	395.88	266.22	263.38	103.60	215.18	387.79	178.32
0.19600	228.85	93.845	396.61	267.30	264.83	103.64	212.98	386.96	172.72
0.19700	220.40	94.373	397.36	268.65	266.71	103.64	209.32	385.56	166.60
0.19800	212.58	94.961	398.15	270.31	268.53	103.65	205.01	383.85	160.11
0.19900	204.05	95.632	398.89	271.70	269.53	103.68	201.58	382.62	155.98

ATTEMPTED ADV: TOT.= 967 EDIT= 193 MIN.DT= 1.250000E-04 SEC LAST DT= 5.000000E-04 SEC MS.ERR= -21.9064 LB  
 REPEATED ADV: TOT.= 61 EDIT= 3 MAX.DT= 5.000000E-04 SEC CRNT.DT= 5.290344E-04 SEC TOT.MS= 38964.5 LB  
 SUCCESSFUL ADV: TOT.= 906 EDIT= 190 AVG.DT= 2.631575E-04 SEC ERR.EST= 3.633337E-04 M.RATN= -5.622136E-04  
 REQUESTED ADV: TOT.= 200 EDIT= 50 REQ.DT= 1.000000E-03 SEC CPU= 218.641 SEC TIME= 0.200000 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	2706.4	1012.6	1.0000	0.00000	1.0000	1.0000	679.88	679.88	679.88	10
C-36	PIPE COMPONENT									
36010000	269.28	958.81	0.80184	0.00000	0.78528	0.99715	407.56	379.93	407.56	10
36020000	218.57	948.23	0.78911	0.00000	0.77872	0.99756	389.32	370.32	389.32	10
36030000	201.13	942.65	0.77925	0.00000	0.77446	0.99767	382.28	373.17	382.28	10
C-38	PIPE COMPONENT									
38010000	234.96	964.97	0.79850	0.00000	0.79851	0.99761	395.54	395.55	395.54	0
38020000	235.51	965.60	0.79928	0.00000	0.79928	0.99761	395.75	395.75	395.75	0
38030000	236.11	966.07	0.79981	0.00000	0.79981	0.99761	395.97	395.97	395.97	0
38040000	236.73	966.58	0.80040	4.11247E-08	0.80040	0.99762	396.20	396.20	396.20	0
38050000	237.31	967.17	0.80111	1.46821E-05	0.80111	0.99762	396.41	396.41	396.41	0
38060000	237.85	939.35	0.76520	1.31463E-03	0.76531	0.99706	396.50	396.69	396.50	0
38070000	238.39	611.19	0.34497	1.60499E-02	0.34506	0.98180	394.03	393.94	393.94	0
C-40	SNGLVOL COMPONENT									
40010000	234.44	963.45	0.79654	0.00000	0.79654	0.99758	395.35	395.36	395.35	0
C-42	SNGLVOL COMPONENT									
42010000	237.94	384.93	7.02652E-02	1.90040E-02	6.86028E-02	0.87859	375.71	377.56	377.01	0
C-44	BRANCH COMPONENT									
44010000	232.82	668.36	0.40388	3.34863E-07	0.40149	0.98634	391.95	394.75	394.75	0
C-46	PIPE COMPONENT									
46010000	264.51	697.78	0.43352	1.52687E-03	0.43315	0.98616	405.30	405.75	405.75	0
46020000	265.16	617.05	0.32802	4.86967E-03	0.32802	0.97834	405.26	405.26	405.26	0
46030000	266.67	543.89	0.23059	6.19625E-03	0.23060	0.96489	405.01	405.00	405.00	0
C-48	PIPE COMPONENT									
48010000	103.66	341.09	5.17855E-02	1.13297E-03	5.24727E-02	0.92887	329.95	329.37	329.38	0
48020000	93.552	344.16	6.53160E-02	1.31797E-03	6.53553E-02	0.94873	322.11	322.08	322.08	0
48030000	87.298	342.55	6.91813E-02	1.32888E-03	6.92010E-02	0.95471	317.25	317.23	317.23	0
48040000	83.503	341.25	7.12646E-02	1.32721E-03	7.12753E-02	0.95788	314.17	314.16	314.16	0
48050000	80.675	339.68	7.21451E-02	1.31353E-03	7.21522E-02	0.95974	311.79	311.79	311.79	0
48060000	78.485	338.00	7.23099E-02	1.29558E-03	7.23146E-02	0.96087	309.91	309.91	309.91	0
48070000	76.762	336.27	7.19770E-02	1.27679E-03	7.19798E-02	0.96150	308.40	308.39	308.39	0
48080000	75.436	334.92	7.17362E-02	1.26753E-03	7.17375E-02	0.96200	307.21	307.21	307.21	0
48090000	74.244	329.95	6.68888E-02	1.18289E-03	6.68892E-02	0.95977	306.12	306.12	306.12	0
C-50	PIPE COMPONENT									
50010000	72.158	328.33	6.72003E-02	1.17785E-03	6.72046E-02	0.96102	304.20	304.20	304.20	0
50020000	70.453	327.07	6.75873E-02	1.18499E-03	6.75887E-02	0.96212	302.59	302.59	302.59	0
50030000	69.153	326.41	6.82982E-02	1.20497E-03	6.82980E-02	0.96318	301.33	301.33	301.33	0
50040000	68.242	326.44	6.94884E-02	1.23975E-03	6.94198E-02	0.96428	300.37	300.44	300.43	0
50050000	67.711	328.01	7.21741E-02	1.30814E-03	7.20198E-02	0.96591	299.76	299.90	299.90	0
C-52	SNGLVOL COMPONENT									
52010000	67.110	320.09	6.32491E-02	1.16640E-03	6.30421E-02	0.96125	299.11	299.30	299.29	0
C-54	PIPE COMPONENT									
54010000	63.774	322.39	6.98457E-02	1.26398E-03	6.98551E-02	0.96667	295.93	295.93	295.93	0
54020000	61.387	325.79	7.69621E-02	1.39007E-03	7.69653E-02	0.97095	293.42	293.43	293.42	0
54030000	59.998	331.25	8.54238E-02	1.55185E-03	8.53882E-02	0.97454	291.89	291.93	291.92	0
54040000	59.529	353.59	0.11336	2.07756E-03	0.11324	0.98141	291.29	291.41	291.41	0
54050000	54.103	358.34	0.12582	2.23389E-03	0.12587	0.98490	285.28	285.28	285.28	0
54060000	50.942	364.59	0.13757	2.41383E-03	0.13757	0.98712	281.47	281.47	281.47	0
54070000	49.131	372.11	0.14912	2.61683E-03	0.14912	0.98867	279.19	279.19	279.19	0

54080000	48.100	379.89	0.15994	2.82449E-03	0.15994	0.98977	277.86	277.86	277.86	0
54090000	47.473	386.09	0.16830	2.99803E-03	0.16830	0.99049	277.04	277.04	277.04	0
54100000	47.037	388.84	0.17224	3.09530E-03	0.17225	0.99083	276.46	276.46	276.46	0
54110000	46.689	387.54	0.17120	3.10072E-03	0.17120	0.99083	275.99	275.99	275.99	0
54120000	46.389	383.27	0.16653	3.03643E-03	0.16653	0.99058	275.59	275.59	275.59	0
54130000	46.125	377.86	0.16044	2.94300E-03	0.16044	0.99021	275.23	275.23	275.23	0
54140000	45.891	372.80	0.15473	2.85503E-03	0.15473	0.98983	274.91	274.91	274.91	0
54150000	45.681	368.89	0.15037	2.79197E-03	0.15037	0.98953	274.62	274.62	274.62	0
54160000	45.480	366.36	0.14766	2.76066E-03	0.14766	0.98935	274.35	274.35	274.35	0
54170000	45.270	365.15	0.14654	2.76053E-03	0.14654	0.98930	274.05	274.05	274.05	0
54180000	45.030	365.01	0.14675	2.78709E-03	0.14675	0.98937	273.73	273.72	273.72	0
54190000	44.760	365.66	0.14797	2.83373E-03	0.14797	0.98954	273.34	273.34	273.34	0
54200000	44.455	366.73	0.14975	2.89256E-03	0.14975	0.98975	272.91	272.92	272.92	0
54210000	44.124	367.87	0.15165	2.95535E-03	0.15165	0.98997	272.44	272.45	272.45	0
54220000	43.777	368.78	0.15329	3.01461E-03	0.15329	0.99017	271.96	271.96	271.96	0
54230000	43.425	369.23	0.15440	3.06504E-03	0.15440	0.99038	271.52	271.52	271.52	0

50030000	69.153	326.41	6.82982E-02	1.20497E-03	6.82982E-02	0.96318	302.59	302.59	302.59	0
50040000	68.242	326.44	6.94884E-02	1.23975E-03	6.9419E-02	0.96428	301.33	301.33	301.33	0
50050000	67.711	328.01	7.21741E-02	1.30814E-03	7.20198E-02	0.96591	300.37	300.44	300.43	0
C-52	SNGLVOL	COMPONENT					299.76	299.90	299.90	U
52010000	67.110	320.09	6.32491E-02	1.16640E-03	6.30421E-02	0.96125	299.11	299.30	299.29	0
C-54	PIPE	COMPONENT								
54010000	63.774	322.39	6.98457E-02	1.26398E-03	6.98551E-02	0.96667	295.93	295.93	295.93	0
54020000	61.387	325.79	7.69621E-02	1.39007E-03	7.65653E-02	0.97095	293.42	293.43	293.42	0
54030000	59.998	331.25	8.54238E-02	1.55185E-03	8.53882E-02	0.97454	291.89	291.93	291.92	0
54040000	59.529	353.59	0.11336	2.07756E-03	0.11329	0.98141	291.29	291.41	291.41	0
54050000	54.103	358.34	0.12582	2.23389E-03	0.12583	0.98490	285.28	285.28	285.28	0
54060000	50.942	364.59	0.13757	2.41383E-03	0.13757	0.98712	281.47	281.47	281.47	0
54070000	49.131	372.11	0.14912	2.61683E-03	0.14912	0.98867	279.19	279.19	279.19	0

54080000	48.100	379.89	0.15994	2.82449E-03	0.15994	0.98977	277.86	277.86	277.86	0
54090000	47.473	386.09	0.16830	2.99803E-03	0.16830	0.99049	277.04	277.04	277.04	0
54100000	47.037	388.84	0.17224	3.09530E-03	0.17225	0.99083	276.46	276.46	276.46	0
54110000	46.629	387.54	0.17120	3.10072E-03	0.17120	0.99083	275.99	275.99	275.99	0
54120000	46.389	383.27	0.16653	3.03643E-03	0.16653	0.99058	275.59	275.59	275.59	0
54130000	46.125	377.86	0.16044	2.94300E-03	0.16044	0.99021	275.23	275.23	275.23	0
54140000	45.891	372.80	0.15473	2.85503E-03	0.15473	0.98983	274.91	274.91	274.91	0
54150000	45.681	368.89	0.15037	2.79197E-03	0.15037	0.98953	274.62	274.62	274.62	0
54160000	45.480	366.36	0.14766	2.76066E-03	0.14766	0.98935	274.35	274.35	274.35	0
54170000	45.270	365.15	0.14654	2.76053E-03	0.14654	0.98930	274.05	274.05	274.05	0
54180000	45.030	365.01	0.14675	2.78709E-03	0.14676	0.98937	273.73	273.72	273.72	0
54190000	44.760	365.66	0.14797	2.83373E-03	0.14797	0.98954	273.34	273.34	273.34	0
54200000	44.455	366.73	0.14975	2.89256E-03	0.14975	0.98975	272.91	272.92	272.92	0
54210000	44.124	367.87	0.15165	2.95535E-03	0.15165	0.98997	272.44	272.45	272.45	0
54220000	43.777	368.78	0.15329	3.01461E-03	0.15329	0.99017	271.96	271.96	271.96	0
54230000	43.425	369.23	0.15440	3.06504E-03	0.15440	0.99032	271.46	271.46	271.46	0
54240000	43.079	369.15	0.15488	3.10450E-03	0.15488	0.99043	270.96	270.96	270.96	0
54250000	42.747	368.62	0.15479	3.13432E-03	0.15479	0.99050	270.48	270.48	270.48	0
54260000	42.437	367.83	0.15437	3.15875E-03	0.15437	0.99053	270.03	270.03	270.03	0
54270000	42.152	367.06	0.15393	3.18370E-03	0.15393	0.99056	269.61	269.61	269.61	0
54280000	41.895	366.60	0.15382	3.21544E-03	0.15382	0.99061	269.23	269.23	269.23	0
54290000	41.663	366.72	0.15438	3.25958E-03	0.15438	0.99070	268.88	268.88	268.88	0
54300000	41.450	367.67	0.15589	3.32047E-03	0.15589	0.99085	268.56	268.56	268.56	0
54310000	41.249	369.66	0.15861	3.40094E-03	0.15861	0.99107	268.27	268.26	268.26	0
54320000	41.054	372.86	0.16277	3.50222E-03	0.16277	0.99138	267.97	267.97	267.97	0
54330000	40.861	377.43	0.16853	3.62385E-03	0.16854	0.99177	267.69	267.69	267.69	0
54340000	40.670	383.48	0.17604	3.76328E-03	0.17604	0.99222	267.41	267.41	267.41	0
54350000	40.485	391.05	0.18531	3.91474E-03	0.18531	0.99272	267.14	267.15	267.15	0
54360000	40.307	399.94	0.19611	4.06604E-03	0.19611	0.99324	266.89	266.90	266.90	0
54370000	40.136	409.32	0.20744	4.19001E-03	0.20743	0.99372	266.66	266.66	266.66	0
54380000	39.958	416.64	0.21625	4.22270E-03	0.21625	0.99407	266.42	266.42	266.42	0
54390000	39.737	415.29	0.21476	4.02355E-03	0.21476	0.99405	266.12	266.12	266.12	0
54400000	39.543	392.01	0.18714	3.34591E-03	0.18716	0.99298	265.86	265.86	265.85	0
54410000	38.918	350.44	0.13851	2.33842E-03	0.13856	0.99013	264.99	264.94	264.94	0
54420000	38.933	317.76	9.96345E-02	1.59206E-03	9.96284E-02	0.98573	264.99	265.00	265.00	0
54430000	38.822	294.49	7.21617E-02	1.09061E-03	7.21204E-02	0.97988	264.82	264.86	264.86	0
54440000	38.601	278.85	5.39748E-02	7.75634E-04	5.39178E-02	0.97293	264.50	264.55	264.55	0
54450000	38.270	268.14	4.18683E-02	5.79667E-04	4.18056E-02	0.96523	264.00	264.05	264.05	0
54460000	37.828	260.51	3.36473E-02	4.58940E-04	3.35791E-02	0.95722	263.30	263.37	263.36	0
54470000	37.281	254.81	2.79743E-02	3.87858E-04	2.79011E-02	0.94938	262.42	262.49	262.48	0
54480000	36.655	250.45	2.40731E-02	3.52610E-04	2.40015E-02	0.94231	261.38	261.46	261.45	0
54490000	35.963	247.01	2.14373E-02	3.45306E-04	2.13746E-02	0.93658	260.20	260.27	260.26	0
54500000	35.230	244.25	1.97540E-02	3.62214E-04	1.97001E-02	0.93264	258.91	258.97	258.95	0
54510000	34.496	242.07	1.88290E-02	4.03271E-04	1.87872E-02	0.93075	257.56	257.62	257.60	0
54520000	33.793	240.40	1.85325E-02	4.71351E-04	1.85003E-02	0.93089	256.21	256.26	256.24	0
54530000	33.149	239.22	1.87886E-02	5.72958E-04	1.87577E-02	0.93283	254.90	254.94	254.93	0
54540000	32.597	238.54	1.95713E-02	7.20037E-04	1.95307E-02	0.93622	253.67	253.73	253.71	0
54550000	32.162	238.41	2.09049E-02	9.32596E-04	2.08448E-02	0.94067	252.57	252.65	252.63	0
54560000	31.857	238.88	2.28642E-02	1.24204E-03	2.27820E-02	0.94586	251.62	251.71	251.70	0
54570000	31.669	239.99	2.55643E-02	1.69435E-03	2.54667E-02	0.95147	250.79	250.90	250.88	0
54580000	31.568	241.74	2.91421E-02	2.35263E-03	2.90407E-02	0.95721	250.01	250.13	250.11	0
54590000	31.521	244.10	3.37291E-02	3.29887E-03	3.36338E-02	0.96279	249.22	249.34	249.32	0
54600000	31.498	246.99	3.94034E-02	4.63262E-03	3.93198E-02	0.96793	248.36	248.46	248.44	0
54610000	31.488	250.22	4.61108E-02	6.46052E-03	4.60379E-02	0.97242	247.36	247.46	247.44	0
54620000	31.486	253.41	5.35266E-02	8.86291E-03	5.34633E-02	0.97608	246.22	246.31	246.29	0
54630000	31.491	255.84	6.08128E-02	1.18115E-02	6.07584E-02	0.97880	244.90	244.98	244.96	0
54640000	31.501	256.20	6.61981E-02	1.49920E-02	6.61593E-02	0.98033	243.35	243.42	243.40	0
54650000	31.511	252.99	6.73305E-02	1.76967E-02	6.72999E-02	0.98036	241.50	241.57	241.54	0
54660000	31.787	247.80	6.59538E-02	2.01402E-02	6.59152E-02	0.97939	239.64	239.71	239.68	0
54670000	32.417	242.91	6.55180E-02	2.31909E-02	6.54491E-02	0.97839	237.79	237.91	237.86	0

54680000	32.965	238.26	6.65722E-02	2.69098E-02	6.65197E-02	0.97791	235.45	235.57	235.51	0
54690000	33.353	233.89	6.93133E-02	3.14273E-02	6.92841E-02	0.97808	232.60	232.69	232.63	0
54700000	33.590	229.75	7.36854E-02	3.68571E-02	7.36752E-02	0.97882	229.32	229.39	229.33	0
54710000	33.720	225.81	7.96658E-02	4.33382E-02	7.96489E-02	0.97999	225.70	225.80	225.72	0
54720000	33.760	222.05	8.72627E-02	5.10780E-02	8.73114E-02	0.98142	221.90	221.90	221.86	0
54730000	33.783	218.48	9.68156E-02	6.03639E-02	9.67989E-02	0.98302	217.86	217.89	217.88	0
54740000	33.777	215.13	0.10858	7.15598E-02	0.10856	0.98472	213.68	213.71	213.70	0
54750000	33.751	212.03	0.12297	8.50978E-02	0.12297	0.98644	209.39	209.40	209.39	0
54760000	33.723	209.23	0.14052	0.10148	0.14051	0.98813	204.99	205.01	205.00	0
54770000	33.691	206.80	0.16178	0.12130	0.16176	0.98975	200.53	200.56	200.54	0
54780000	33.654	204.84	0.18743	0.14523	0.18741	0.99126	196.04	196.08		

54550000	32.162	237.41	2.09049E-02	9.32596E-04	2.08447E-02	0.94067	252.57	252.65	252.63	0
54560000	31.857	238.88	2.28642E-02	1.24204E-03	2.27820E-02	0.94586	251.62	251.71	251.70	0
54570000	31.669	239.99	2.55643E-02	1.69435E-03	2.54667E-02	0.95147	250.79	250.90	250.88	0
54580000	31.568	241.74	2.91421E-02	2.35263E-03	2.90407E-02	0.95721	250.01	250.13	250.11	0
54590000	31.521	244.10	3.37291E-02	3.29887E-03	3.36338E-02	0.96279	249.22	249.34	249.32	0
54600000	31.498	246.99	3.94034E-02	4.63262E-03	3.93198E-02	0.96793	248.36	248.46	248.44	0
54610000	31.488	250.22	4.61108E-02	6.46052E-03	4.60379E-02	0.97242	247.36	247.46	247.44	0
54620000	31.486	253.41	5.35266E-02	8.86291E-03	5.34633E-02	0.97608	246.22	246.31	246.29	0
54630000	31.491	255.84	6.08128E-02	1.18115E-02	6.07594E-02	0.97880	244.90	244.98	244.96	0
54640000	31.501	256.20	6.61981E-02	1.49920E-02	6.61593E-02	0.98033	243.35	243.42	243.40	0
54650000	31.511	252.99	6.73305E-02	1.76967E-02	6.72999E-02	0.98036	241.50	241.57	241.54	0
54660000	31.787	247.80	6.59538E-02	2.01402E-02	6.59152E-02	0.97939	239.64	239.71	239.68	0
54670000	32.417	242.91	6.55180E-02	2.31909E-02	6.54491E-02	0.97839	237.79	237.91	237.86	0

54680000	32.965	238.26	6.65722E-02	2.69099E-02	6.65197E-02	0.97791	235.45	235.57	235.51	0
54690000	33.353	233.89	6.93133E-02	3.14273E-02	6.92841E-02	0.97808	232.60	232.69	232.63	0
54700000	33.590	229.75	7.36854E-02	3.68571E-02	7.36752E-02	0.97882	229.32	229.39	229.33	0
54710000	33.720	225.81	7.96658E-02	4.33382E-02	7.96489E-02	0.97999	225.70	225.80	225.72	0
54720000	33.760	222.05	8.72627E-02	5.10780E-02	8.73114E-02	0.98142	221.90	221.90	221.86	0
54730000	33.783	218.48	9.68156E-02	6.03639E-02	9.67989E-02	0.98302	217.86	217.89	217.88	0
54740000	33.777	215.13	0.10858	7.15598E-02	0.10856	0.98472	213.68	213.71	213.70	0
54750000	33.751	212.03	0.12297	8.50978E-02	0.12297	0.98644	209.39	209.40	209.39	0
54760000	33.723	209.23	0.14052	0.10148	0.14051	0.98813	204.99	205.01	205.00	0
54770000	33.691	206.80	0.16178	0.12130	0.16176	0.98975	200.53	200.55	200.54	0
54780000	33.654	204.84	0.18743	0.14523	0.18741	0.99126	196.04	196.08	196.06	0
54790000	33.611	203.43	0.21825	0.17402	0.21822	0.99266	191.56	191.61	191.59	0
54800000	33.560	202.70	0.25501	0.20848	0.25498	0.99392	187.12	187.18	187.16	0
54810000	33.502	202.74	0.29844	0.24932	0.29841	0.99504	182.77	182.83	182.81	0
54820000	33.436	203.64	0.34904	0.29706	0.34900	0.99601	178.55	178.62	178.60	0
54830000	33.367	205.44	0.40684	0.35181	0.40681	0.99685	174.52	174.60	174.58	0
54840000	33.297	208.16	0.47119	0.41298	0.47116	0.99755	170.75	170.83	170.81	0
54850000	33.248	211.80	0.54065	0.47912	0.54062	0.99813	167.43	166.99	167.40	0
54860000	33.201	216.21	0.61304	0.54817	0.61302	0.99860	164.46	164.17	164.44	0
54870000	33.158	221.11	0.68558	0.61743	0.68556	0.99897	161.92	161.75	161.91	0
54880000	33.113	226.17	0.75496	0.68371	0.75494	0.99927	159.81	159.71	159.80	0
54890000	33.072	231.04	0.81804	0.74399	0.81804	0.99950	158.13	158.06	158.12	0
54900000	33.042	235.50	0.87256	0.79603	0.87255	0.99967	156.85	156.81	156.85	0
54910000	33.029	239.48	0.91747	0.83869	0.91746	0.99979	156.00	155.94	156.00	0
54920000	33.030	243.30	0.95310	0.87197	0.95312	0.99988	155.67	155.77	155.68	0
54930000	32.932	247.20	0.98128	0.89695	0.98091	0.99995	155.92	153.88	155.76	0
54940000	32.345	248.01	0.99666	0.91504	0.99917	0.99999	153.31	167.05	154.38	0
54950000	32.892	245.97	1.0000	0.92794	1.0000	1.0000	149.08	200.84	200.84	0

:-56 PIPE COMPONENT										
56010000	32.608	243.62	1.0000	0.93863	1.0000	1.0000	142.67	239.87	239.87	0
56020000	32.481	242.49	0.99999	0.94386	1.0000	1.0000	139.18	259.38	259.34	0
56030000	32.444	242.10	1.0000	0.94624	1.0000	1.0000	137.53	268.94	268.94	0
56040000	32.433	241.91	1.0000	0.94727	1.0000	1.0000	136.79	273.00	273.00	0
56050000	32.425	241.79	1.0000	0.94771	1.0000	1.0000	136.47	274.51	274.51	0
56060000	32.425	241.72	1.0000	0.94789	1.0000	1.0000	136.35	275.01	275.01	0
56070000	32.438	241.68	1.0000	0.94795	1.0000	1.0000	136.31	275.13	275.13	0
56080000	32.458	241.65	1.0000	0.94798	1.0000	1.0000	136.32	275.08	275.08	0
56090000	32.477	241.61	1.0000	0.94799	1.0000	1.0000	136.34	274.93	274.93	0
56100000	32.491	241.57	1.0000	0.94799	1.0000	1.0000	136.35	274.72	274.72	0
56110000	32.498	241.52	1.0000	0.94799	1.0000	1.0000	136.36	274.47	274.47	0
56120000	32.500	241.47	1.0000	0.94800	1.0000	1.0000	136.36	274.20	274.20	0
56130000	32.497	241.42	1.0000	0.94800	1.0000	1.0000	136.36	273.94	273.94	0
56140000	32.491	241.38	1.0000	0.94800	1.0000	1.0000	136.35	273.67	273.67	0
56150000	32.482	241.33	1.0000	0.94800	1.0000	1.0000	136.34	273.43	273.43	0
56160000	32.470	241.29	1.0000	0.94800	1.0000	1.0000	136.32	273.19	273.19	0
56170000	32.457	241.25	1.0000	0.94800	1.0000	1.0000	136.31	272.97	272.97	0
56180000	32.443	241.21	1.0000	0.94800	1.0000	1.0000	136.29	272.75	272.75	0
56190000	32.429	241.17	1.0000	0.94800	1.0000	1.0000	136.27	272.55	272.55	0
56200000	32.417	241.13	1.0000	0.94800	1.0000	1.0000	136.26	272.35	272.35	0
56210000	32.406	241.10	1.0000	0.94800	1.0000	1.0000	136.25	272.15	272.15	0
56220000	32.398	241.06	1.0000	0.94800	1.0000	1.0000	136.24	271.96	271.96	0
56230000	32.395	241.03	1.0000	0.94800	1.0000	1.0000	136.23	271.78	271.78	0
56240000	32.398	241.00	1.0000	0.94800	1.0000	1.0000	136.24	271.63	271.63	0
56250000	32.412	240.98	1.0000	0.94800	1.0000	1.0000	136.25	271.52	271.52	0
56260000	32.439	240.98	1.0000	0.94800	1.0000	1.0000	136.29	271.50	271.50	0
56270000	32.487	240.99	1.0000	0.94800	1.0000	1.0000	136.34	271.59	271.59	0
56280000	32.562	241.04	1.0000	0.94800	1.0000	1.0000	136.43	271.84	271.84	0
56290000	32.673	241.12	1.0000	0.94800	1.0000	1.0000	136.56	272.30	272.30	0
56300000	32.829	241.26	1.0000	0.94800	1.0000	1.0000	136.74	273.03	273.03	0
56310000	33.039	241.45	1.0000	0.94800	1.0000	1.0000	136.99	274.08	274.08	0

56320000	33.311	241.71	1.0000	0.94800	1.0000	1.0000	137.30	275.50	275.50	0
56330000	33.645	242.04	1.0000	0.94800	1.0000	1.0000	137.69	277.30	277.30	0
56340000	34.038	242.44	1.0000	0.94800	1.0000	1.0000	138.14	279.48	279.48	0
56350000	34.475	242.90	1.0000	0.94800	1.0000	1.0000	138.63	281.96	281.96	0

:-58 PIPE COMPONENT										
58010000	34.921	243.42	1.0000	0.94800	1.0000	1.0000	139.13	284.80	284.80	0
58020000	35.433	243.98	1.0000	0.94800	1.0000	1.0000	139.70	287.84	287.84	0
58030000	35.919	244.51	1.0000	0.94800	1.0000	1.0000	140.23	290.71	290.71	0
58040000	36.360	244.98	1.0000	0.94800	1.0000	1.0000	140.70	293.30	293.30	0
58050000	36.746	245.40	1.0000	0.94800	1.0000	1.0000	141.11	295.59	295.59	0
58060000	37.069	245.76	1.0000	0.94800	1.0000	1.0000	141.45	297.56	297.56	0
58070000	37.325	246.07	1.0000	0.94800	1.0000	1.0000	141.72	299.20	299.20	0

:-60 PIPE COMPONENT										
60010000	37.513	246.34	1.0000	0.94798	1.0000	1.0000	141.93	300.63	300.63	0
60020000	37.663	246.49	1.0000	0.94752	1.0000	1.0000	142.62	302.15	302.15	0

56190000	32.429	241.17	1.0000	0.94800	1.0000	1.0000	136.27	272.55	272.55	0
56200000	32.417	241.13	1.0000	0.94800	1.0000	1.0000	136.26	272.35	272.35	0
56210000	32.406	241.10	1.0000	0.94800	1.0000	1.0000	136.25	272.15	272.15	0
56220000	32.398	241.06	1.0000	0.94800	1.0000	1.0000	136.24	271.96	271.96	0
56230000	32.395	241.03	1.0000	0.94800	1.0000	1.0000	136.23	271.78	271.78	0
56240000	32.398	241.00	1.0000	0.94800	1.0000	1.0000	136.24	271.63	271.63	0
56250000	32.412	240.98	1.0000	0.94800	1.0000	1.0000	136.25	271.52	271.52	0
56260000	32.439	240.98	1.0000	0.94800	1.0000	1.0000	136.29	271.50	271.50	0
56270000	32.487	240.99	1.0000	0.94800	1.0000	1.0000	136.34	271.59	271.59	0
56280000	32.562	241.04	1.0000	0.94800	1.0000	1.0000	136.43	271.94	271.94	0
56290000	32.673	241.12	1.0000	0.94800	1.0000	1.0000	136.56	272.30	272.30	0
56300000	32.829	241.26	1.0000	0.94800	1.0000	1.0000	136.74	273.03	273.03	0
56310000	33.039	241.45	1.0000	0.94800	1.0000	1.0000	136.99	274.08	274.08	0

56320000	33.311	241.71	1.0000	0.94800	1.0000	1.0000	137.30	275.50	275.50	0
56330000	33.645	242.04	1.0000	0.94800	1.0000	1.0000	137.69	277.30	277.30	0
56340000	34.038	242.44	1.0000	0.94800	1.0000	1.0000	138.14	279.48	279.48	0
56350000	34.475	242.90	1.0000	0.94800	1.0000	1.0000	138.63	281.96	281.96	0
5-58	PIPE COMPONENT									
58010000	34.921	243.42	1.0000	0.94800	1.0000	1.0000	139.13	284.80	284.80	0
58020000	35.433	243.98	1.0000	0.94800	1.0000	1.0000	139.70	287.84	287.84	0
58030000	35.919	244.51	1.0000	0.94800	1.0000	1.0000	140.23	290.71	290.71	0
58040000	36.360	244.98	1.0000	0.94800	1.0000	1.0000	140.70	293.30	293.30	0
58050000	36.746	245.40	1.0000	0.94800	1.0000	1.0000	141.11	295.59	295.59	0
58060000	37.069	245.76	1.0000	0.94800	1.0000	1.0000	141.45	297.56	297.56	0
58070000	37.325	246.07	1.0000	0.94800	1.0000	1.0000	141.72	299.20	299.20	0
5-60	PIPE COMPONENT									
60010000	37.513	246.34	1.0000	0.94798	1.0000	1.0000	141.93	300.63	300.63	0
60020000	37.663	246.49	1.0000	0.94752	1.0000	1.0000	142.42	299.15	299.15	0
60030000	37.766	246.49	1.0000	0.93751	1.0000	1.0000	149.18	250.01	250.01	0
5-62	PIPE COMPONENT									
62010000	37.847	213.15	0.76333	0.70580	0.76334	0.99919	156.49	156.51	156.49	0
62020000	37.881	95.357	4.29971E-02	4.16293E-02	4.29533E-02	0.94160	122.88	124.06	122.93	0
5-64	SNGLVOL COMPONENT									
64010000	37.920	88.022	4.36600E-04	4.21187E-04	4.33483E-04	0.13647	120.03	127.85	120.03	10
5-66	SNGLVOL COMPONENT									
66010000	33.411	87.960	2.54322E-05	2.43982E-05	2.52112E-05	1.03757E-02	120.01	128.28	120.01	10
5-68	SNGLVOL COMPONENT									
68010000	27.722	87.957	1.16745E-06	1.11454E-06	1.15975E-06	5.78332E-04	120.01	125.29	120.01	10
5-69	BRANCH COMPONENT									
69010000	17.414	87.957	1.35944E-08	1.29303E-08	1.38361E-08	1.04932E-05	120.00	111.32	120.00	10
5-70	BRANCH COMPONENT									
70010000	13.017	87.957	0.00000	0.00000	0.00000	0.00000	120.00	120.00	120.00	10
5-71	SNGLVOL COMPONENT									
71010000	11.802	87.957	0.00000	0.00000	0.00000	0.00000	120.00	120.00	120.00	10
5-73	BRANCH COMPONENT									
73010000	10.094	87.949	2.77541E-08	2.56108E-08	2.88801E-08	3.73357E-05	119.99	107.74	119.99	0
5-75	SNGLVOL COMPONENT									
75010000	9.2096	187.33	0.68361	0.62623	0.68361	0.99968	107.32	107.31	107.32	0
5-76	PIPE COMPONENT									
76010000	283.82	961.60	0.81180	0.00000	0.78716	0.99711	412.30	372.50	412.30	10
76020000	237.99	949.04	0.78941	0.00000	0.77666	0.99733	396.66	374.06	396.66	10
76030000	223.67	945.80	0.78280	0.00000	0.77464	0.99743	391.29	376.37	391.29	10
76040000	216.06	942.15	0.77541	0.00000	0.77108	0.99744	388.33	380.24	388.33	0
5-79	SNGLVOL COMPONENT									
79010000	2691.5	1013.5	1.0000	0.00000	0.99777	1.0000	679.06	678.93	679.06	0
5-81	SNGLVOL COMPONENT									
81010000	2691.7	1013.4	1.0000	0.00000	0.99742	1.0000	679.07	678.92	679.07	0
5-83	PIPE COMPONENT									
83010000	2698.8	1014.9	1.0000	0.00000	1.0000	1.0000	679.87	679.87	679.87	0
83020000	2698.7	1013.4	1.0000	0.00000	1.0000	1.0000	679.47	679.47	679.47	0
5-85	PIPE COMPONENT									
85010000	2700.0	1013.3	1.0000	0.00000	1.0000	1.0000	679.55	679.55	679.55	0
85020000	2700.0	1014.9	1.0000	0.00000	1.0000	1.0000	679.98	679.98	679.98	0
5-87	PIPE COMPONENT									
87010000	2693.2	1013.1	0.99999	0.00000	0.99695	1.0000	679.15	678.98	679.15	0
5-89	SNGLVOL COMPONENT									
89010000	2694.6	1013.0	0.99999	0.00000	0.99720	1.0000	679.23	679.07	679.23	0
5-91	PIPE COMPONENT									
91010000	2695.3	1012.6	1.0000	0.00000	0.99589	1.0000	679.27	679.04	679.27	0
91020000	2695.0	1012.8	0.99999	0.00000	0.99637	1.0000	679.25	679.05	679.25	0
91030000	2694.8	1012.9	0.99999	0.00000	0.99685	1.0000	679.24	679.06	679.24	0
5-93	SNGLVOL COMPONENT									
93010000	15.053	228.34	0.97766	0.90659	0.97766	0.99997	119.71	119.71	119.71	0

5-95	SNGLVOL COMPONENT									
95010000	180.24	940.03	0.77505	0.00000	0.77506	0.99790	373.19	373.19	373.19	0
5-96	SNGLVOL COMPONENT									
96010000	232.80	960.83	0.79328	0.00000	0.79328	0.99755	394.74	394.75	394.74	0
5-97	BRANCH COMPONENT									
97010000	174.47	937.48	0.77421	0.00000	0.77292	0.99795	370.53	367.95	370.53	0
5-99	SNGLVOL COMPONENT									
99010000	2689.7	1013.8	0.99999	0.00000	0.99814	0.99999	678.96	678.85	678.96	0
5-101	SNGLVOL COMPONENT									
101010000	2689.9	1013.7	0.99999	0.00000	0.99780	0.99999	678.97	678.84	678.97	0
5-103	PIPE COMPONENT									
103010000	2691.3	1013.5	0.99999	0.00000	0.99770	0.99999	679.05	678.92	679.05	0
103020000	2691.1	1013.6	0.99999	0.00000	0.99797	0.99999	679.04	678.92	679.04	0
5-105	PIPE COMPONENT									
105010000	2692.9	1013.3	0.99999	0.00000	0.99738	1.0000	679.13	678.98	679.13	0



83020000	2698.7	1013.1	1.0000	0.00000	1.0000	1.0000	679.47	679.47	679.47	0
C-85	PIPE	COMPONENT								
85010000	2700.0	1013.3	1.0000	0.00000	1.0000	1.0000	679.55	679.55	679.55	0
85020000	2700.0	1014.9	1.0000	0.00000	1.0000	1.0000	679.98	679.98	679.98	0
C-87	PIPE	COMPONENT								
87010000	2693.2	1013.1	0.99999	0.00000	0.99695	1.0000	679.15	678.98	679.15	0
C-89	SNGLVOL	COMPONENT								
89010000	2694.6	1013.0	0.99999	0.00000	0.99720	1.0000	675.23	675.07	679.23	0
C-91	PIPE	COMPONENT								
91010000	2695.3	1012.6	1.0000	0.00000	0.99582	1.0000	679.27	679.04	679.27	0
91020000	2695.0	1012.8	0.99999	0.00000	0.99637	1.0000	679.25	679.05	679.25	0
91030000	2694.8	1012.9	0.99999	0.00000	0.99685	1.0000	679.24	679.06	679.24	0
C-93	SNGLVOL	COMPONENT								
93010000	16.053	228.34	0.97766	0.90659	0.97766	0.99997	119.71	119.71	119.71	0

C-95	SNGLVOL	COMPONENT								
95010000	180.24	940.03	0.77505	0.00000	0.77506	0.99790	373.19	373.19	373.19	0
C-96	SNGLVOL	COMPONENT								
96010000	232.80	960.83	0.79328	0.00000	0.79328	0.99755	394.74	394.75	394.74	0
C-97	BRANCH	COMPONENT								
97010000	174.47	937.48	0.77421	0.00000	0.77292	0.99795	370.53	367.95	370.53	0
C-99	SNGLVOL	COMPONENT								
99010000	2689.7	1013.8	0.99999	0.00000	0.99814	0.99999	678.96	678.85	678.96	0
C-101	SNGLVOL	COMPONENT								
101010000	2689.9	1013.7	0.99999	0.00000	0.99780	0.99999	678.97	678.84	678.97	0
C-103	PIPE	COMPONENT								
103010000	2691.3	1013.5	0.99999	0.00000	0.99770	0.99999	679.05	678.92	679.05	0
103020000	2691.1	1013.6	0.99999	0.00000	0.99797	0.99999	679.04	678.92	679.04	0
C-105	PIPE	COMPONENT								
105010000	2692.9	1013.3	0.99999	0.00000	0.99738	1.0000	679.13	678.98	679.13	0
105020000	2692.6	1013.4	0.99999	0.00000	0.99784	0.99999	679.12	679.00	679.12	0
C-107	SNGLVOL	COMPONENT								
107010000	2693.0	1013.1	0.99999	0.00000	0.99690	1.0000	679.14	678.97	679.14	0
C-109	SNGLVOL	COMPONENT								
109010000	2694.5	1013.0	0.99999	0.00000	0.99715	1.0000	679.22	679.06	679.22	0
C-111	PIPE	COMPONENT								
111010000	2695.3	1012.6	1.0000	0.00000	0.99589	1.0000	679.27	679.04	679.27	0
111020000	2695.0	1012.8	0.99999	0.00000	0.99634	1.0000	679.25	679.04	679.25	0
111030000	2694.7	1012.9	0.99999	0.00000	0.99681	1.0000	679.23	679.06	679.23	0
C-113	TMDPVOL	COMPONENT								
113010000	2706.4	1012.6	1.0000	0.00000	1.0000	1.0000	679.88	679.88	679.88	0
C-114	PIPE	COMPONENT								
114010000	268.09	489.51	0.15647	5.73286E-03	0.15640	0.94405	404.79	404.84	404.84	0
114020000	269.79	454.76	0.10863	5.00576E-03	0.10843	0.91656	404.63	404.79	404.79	0
114030000	272.40	380.98	1.44202E-02	1.58259E-03	1.17401E-02	0.56252	397.60	401.31	399.51	0
C-136	SNGLVOL	COMPONENT								
136010000	184.48	940.58	0.77646	0.00000	0.77493	0.99786	375.09	372.10	375.09	0
V-CASE	SNGLVOL	COMPONENT								
178010000	2014.7	995.35	0.82065	0.00000	0.82065	0.97071	636.84	636.84	636.84	11
C-193	SNGLVOL	COMPONENT								
193010000	15.045	225.53	0.95569	0.88586	0.95569	0.99995	119.87	119.87	119.87	0
C-195	PIPE	COMPONENT								
195010000	225.08	670.93	0.40812	7.06487E-06	0.40758	0.98701	391.19	391.83	391.83	0
195020000	202.28	672.55	0.41670	3.04262E-05	0.41785	0.98873	384.16	382.76	382.76	0
V-CASE	SNGLVOL	COMPONENT								
198010000	2010.3	998.34	0.82777	0.00000	0.82777	0.97218	636.53	636.53	636.53	11

VOL.NO.	RHO (LB/FT3)	RHOF (LB/FT3)	RHOG (LB/FT3)	VOLUME (FT3)	UF (BTU/LB)	UG (BTU/LB)	SOUND (FT/SEC)	HEAT INPUT (BTU/SEC)	VAPOR GEN. (LB/FT3-SEC)
1010000	8.9785	32.951	8.9785	0.00000	743.20	1012.6	1081.0	0.00000	21.952
36010000	0.76488	53.341	0.61506	0.14070	382.37	1101.3	1358.6	0.00000	-19.885
36020000	0.62348	54.088	0.49319	0.14070	362.82	1104.7	1351.2	0.00000	-13.806
36030000	0.57206	54.367	0.44681	0.14070	355.35	1109.0	1346.5	0.00000	-6.5722
38010000	0.63820	53.837	0.51083	0.35072	369.49	1115.2	1371.2	0.00000	0.32414
38020000	0.63903	53.829	0.51198	0.35072	369.70	1115.3	1371.9	0.00000	0.34304
38030000	0.64019	53.820	0.51325	0.35072	369.94	1115.3	1372.5	0.00000	0.36049
38040000	0.64134	53.810	0.51455	0.35072	370.18	1115.3	1373.1	0.00000	0.36867
38050000	0.64232	53.802	0.51579	0.35072	370.41	1115.3	1373.8	0.00000	0.35409
38060000	0.67371	53.798	0.51705	0.35072	370.51	1113.9	1338.4	0.00000	0.14906
38070000	1.4977	53.901	0.52623	0.35072	367.87	1073.2	830.43	0.00000	0.40599
40010000	0.63839	53.845	0.50974	0.21862	365.28	1115.2	1369.3	0.00000	0.31618
42010000	7.1348	54.640	0.57060	0.32880	348.31	869.46	295.50	0.00000	-9.5868
44010000	1.2365	53.985	0.50633	0.16683	365.65	1115.1	917.23	0.00000	-9.4934
46010000	1.3053	53.436	0.57381	0.20824	379.93	1113.1	959.16	0.00000	-1.3402
46020000	1.7218	53.438	0.57730	0.35620	379.88	1102.9	807.48	0.00000	2.13651E-02

46030000	2.4386	53.450	0.58278	0.35620	379.61	1092.0	644.22	0.00000	3.40835E-02
48010000	4.2232	56.298	0.23544	0.27948	300.43	1085.7	228.13	0.00000	81.971
48020000	3.1024	56.567	0.21358	0.27948	292.34	1085.8	268.88	0.00000	8.4252
48030000	2.7603	56.731	0.20002	0.27948	287.32	1085.7	280.64	0.00000	5.0794
48040000	2.5775	56.834	0.19176	0.27948	284.14	1085.6	286.93	0.00000	3.0371
48050000	2.4690	56.912	0.18559	0.27948	281.69	1085.5	289.61	0.00000	2.1475
48060000	2.4027	56.975	0.18081	0.27948	279.75	1085.4	290.15	0.00000	1.4934
48070000	2.3652	57.024	0.17705	0.27948	278.18	1085.2	289.19	0.00000	0.95730
48080000	2.3355	57.063	0.17415	0.27948	276.96	1085.0	288.51	0.00000	0.47274
48090000	2.4617	57.099	0.17156	0.27948	275.84	1084.8	273.88	0.00000	0.17756
50010000	2.3882	57.161	0.16699	0.28824	273.85	1084.6	274.90	0.00000	1.5199
50020000	2.3242	57.213	0.16327	0.28824	272.19	1084.2	276.12	0.00000	0.63033
50030000	2.2625	57.254	0.16043	0.28824	270.89	1083.9	278.32	0.00000	9.18901E-02
50040000	2.1988	57.285	0.15845	0.28824	269.90	1083.5	281.75	0.00000	-0.39430

36030000	0.57206	54.367	0.44681	0.14070	355.35	1104.7	1351.2	0.00000	-11.806
38010000	0.63820	53.837	0.51083	0.35072	369.49	1115.2	1346.5	0.00000	-6.5722
38020000	0.63903	53.829	0.51198	0.35072	369.70	1115.3	1371.2	0.00000	0.32414
38030000	0.64019	53.820	0.51325	0.35072	369.94	1115.3	1372.5	0.00000	0.36049
38040000	0.64134	53.810	0.51455	0.35072	370.18	1115.3	1373.1	0.00000	0.76867
38050000	0.64232	53.802	0.51579	0.35072	370.41	1115.3	1373.8	0.00000	0.35409
38060000	0.67371	53.798	0.51705	0.35072	370.51	1113.9	1338.4	0.00000	0.14906
38070000	1.4977	53.901	0.52623	0.35072	367.87	1073.2	830.43	0.00000	0.40599
40010000	0.63839	53.845	0.50974	0.21862	369.28	1115.2	1369.3	0.00000	0.31619
42010000	7.1348	54.640	0.57060	0.32880	348.31	869.46	295.50	0.00000	-9.5868
44010000	1.2365	53.985	0.50633	0.16683	365.65	1115.1	917.23	0.00000	-9.4934
46010000	1.3053	53.436	0.57381	0.20824	379.93	1113.1	959.16	0.00000	-1.3402
46020000	1.7218	53.438	0.57730	0.35620	379.88	1102.9	807.48	0.00000	2.13651E-02

46030000	2.4386	53.450	0.58278	0.35620	379.61	1092.0	644.22	0.00000	3.40835E-02
46010000	4.2232	56.298	0.23544	0.27948	300.43	1085.7	228.13	0.00000	81.971
48020000	3.1024	56.567	0.21358	0.27948	292.34	1085.8	268.88	0.00000	8.4252
48030000	2.7603	56.731	0.20002	0.27948	287.32	1085.7	280.64	0.00000	5.0794
48040000	2.5775	56.834	0.19176	0.27948	284.14	1085.6	286.93	0.00000	3.0371
48050000	2.4690	56.912	0.18559	0.27948	281.69	1085.5	289.61	0.00000	2.1475
48060000	2.4027	56.975	0.18081	0.27948	279.75	1085.4	290.15	0.00000	1.4934
48070000	2.3652	57.024	0.17705	0.27948	278.18	1085.2	289.19	0.00000	0.95730
48080000	2.3355	57.063	0.17415	0.27948	276.96	1085.0	288.51	0.00000	0.47274
48090000	2.4617	57.099	0.17156	0.27948	275.84	1084.8	273.88	0.00000	0.17756
50010000	2.3882	57.161	0.16699	0.28824	273.85	1084.6	274.90	0.00000	1.5199
50020000	2.3242	57.213	0.16327	0.28824	272.19	1084.2	276.12	0.00000	0.63033
50030000	2.2625	57.254	0.16043	0.28824	270.89	1083.9	278.32	0.00000	9.18901E-02
50040000	2.1988	57.285	0.15845	0.28824	269.90	1083.5	281.75	0.00000	-0.39430
50050000	2.1053	57.304	0.15730	0.28824	269.27	1083.2	289.57	0.00000	-0.88835
52010000	2.3710	57.325	0.15601	0.27400	268.60	1082.7	262.16	0.00000	-1.2032
54010000	2.0577	57.427	0.14868	0.30578	265.32	1082.4	283.20	0.00000	2.4644
54020000	1.8096	57.506	0.14344	0.30578	262.75	1081.9	304.37	0.00000	0.64133
54030000	1.6017	57.555	0.14039	0.30578	261.18	1081.4	328.44	0.00000	-0.20874
54040000	1.2066	57.574	0.13937	0.30578	260.57	1081.2	401.71	0.00000	-0.66507
54050000	0.99715	57.761	0.12738	0.30578	254.43	1080.3	432.29	0.00000	3.2932
54060000	0.86385	57.878	0.12039	0.30578	250.54	1079.6	455.42	0.00000	1.7233
54070000	0.77156	57.948	0.11637	0.30578	248.22	1079.0	484.97	0.00000	0.85411
54080000	0.70602	57.988	0.11409	0.30578	246.86	1078.6	508.03	0.00000	0.41788
54090000	0.66326	58.013	0.11270	0.30578	246.02	1078.3	525.31	0.00000	0.21888
54100000	0.64274	58.031	0.11173	0.30578	245.43	1078.0	533.30	0.00000	0.13485
54110000	0.64220	58.045	0.11096	0.30578	244.96	1077.8	531.15	0.00000	0.10233
54120000	0.65610	58.057	0.11030	0.30578	244.54	1077.6	521.58	0.00000	9.47754E-02
54130000	0.67714	58.068	0.10972	0.30578	244.18	1077.4	508.91	0.00000	0.10134
54140000	0.69856	58.078	0.10920	0.30578	243.85	1077.2	496.83	0.00000	0.11382
54150000	0.71556	58.086	0.10873	0.30578	243.56	1077.0	487.45	0.00000	0.12286
54160000	0.72560	58.095	0.10829	0.30578	243.28	1076.9	481.54	0.00000	0.12036
54170000	0.72797	58.103	0.10783	0.30578	242.98	1076.7	479.08	0.00000	0.11040
54180000	0.72338	58.113	0.10730	0.30578	242.65	1076.4	479.56	0.00000	6.42340E-02
54190000	0.71354	58.125	0.10670	0.30578	242.25	1076.2	482.17	0.00000	3.60902E-02
54200000	0.70077	58.138	0.10602	0.30578	241.82	1076.0	485.99	0.00000	-1.98389E-03
54210000	0.68733	58.152	0.10529	0.30578	241.34	1075.7	490.06	0.00000	-2.66351E-02
54220000	0.67514	58.166	0.10452	0.30578	240.84	1075.4	493.54	0.00000	-5.24018E-02
54230000	0.66539	58.181	0.10374	0.30578	240.33	1075.1	495.88	0.00000	-6.54836E-02
54240000	0.65851	58.196	0.10297	0.30578	239.82	1074.8	496.84	0.00000	-7.03396E-02
54250000	0.65420	58.210	0.10223	0.30578	239.33	1074.5	496.62	0.00000	-6.73481E-02
54260000	0.65159	58.224	0.10155	0.30578	238.87	1074.3	495.69	0.00000	-5.72305E-02
54270000	0.64940	58.236	0.10091	0.30578	238.44	1074.0	494.72	0.00000	-4.15124E-02
54280000	0.64622	58.247	0.10035	0.30578	238.06	1073.7	494.45	0.00000	-2.27855E-02
54290000	0.64067	58.258	9.98365E-02	0.30578	237.70	1073.4	495.59	0.00000	-3.81553E-03
54300000	0.63155	58.267	9.93644E-02	0.30578	237.38	1073.2	498.77	0.00000	1.21683E-02
54310000	0.61805	58.276	9.89164E-02	0.30578	237.07	1073.0	504.47	0.00000	1.67795E-02
54320000	0.59980	58.285	9.84809E-02	0.30578	236.78	1072.8	513.10	0.00000	2.20882E-02
54330000	0.57694	58.293	9.80449E-02	0.30578	236.49	1072.8	524.91	0.00000	1.41393E-02
54340000	0.55015	58.301	9.76104E-02	0.30578	236.20	1072.8	540.00	0.00000	4.89519E-03
54350000	0.52059	58.309	9.71825E-02	0.30578	235.93	1073.0	558.20	0.00000	-6.46959E-03
54360000	0.49008	58.317	9.67673E-02	0.30578	235.67	1073.3	578.84	0.00000	-1.70891E-02
54370000	0.46160	58.323	9.63612E-02	0.30578	235.43	1073.7	599.89	0.00000	-2.17000E-02
54380000	0.44097	58.331	9.59327E-02	0.30578	235.19	1074.2	615.90	0.00000	-1.35993E-02
54390000	0.44159	58.339	9.54051E-02	0.30578	234.88	1074.9	613.29	0.00000	-2.42263E-02
54400000	0.50370	58.347	9.49346E-02	0.30578	234.62	1075.6	562.04	0.00000	-0.37192
54410000	0.66826	58.373	9.34872E-02	0.30578	233.73	1076.3	461.38	0.00000	0.28370
54420000	0.92492	58.372	9.34878E-02	0.30578	233.74	1077.1	367.66	0.00000	-2.30776E-02
54430000	1.2656	58.377	9.32062E-02	0.30578	233.56	1077.8	291.12	0.00000	-0.23608
54440000	1.6706	58.387	9.26797E-02	0.30578	233.23	1078.4	233.87	0.00000	-0.33710

54450000	2.1190	58.402	9.19146E-02	0.30578	232.72	1078.8	191.94	0.00000	-0.37606
54460000	2.5863	58.422	9.09106E-02	0.30578	232.01	1078.8	161.31	0.00000	-0.41228
54470000	3.0437	58.448	8.96842E-02	0.30578	231.11	1078.4	139.00	0.00000	-0.44612
54480000	3.4564	58.478	8.83005E-02	0.30578	230.05	1077.5	123.07	0.00000	-0.42491
54490000	3.7917	58.512	8.67871E-02	0.30578	228.85	1075.9	112.07	0.00000	-0.39849
54500000	4.0229	58.549	8.52070E-02	0.30578	227.54	1073.5	104.98	0.00000	-0.34842
54510000	4.1349	58.588	8.36480E-02	0.30578	226.17	1070.4	101.17	0.00000	-0.27193
54520000	4.1281	58.627	8.21832E-02	0.30578	224.80	1066.5	100.12	0.00000	-0.20871
54530000	4.0158	58.665	8.08835E-02	0.30578	223.47	1061.6	101.50	0.00000	-0.19336
54540000	3.8186	58.699	7.98258E-02	0.30578	222.22	1055.7	105.17	0.00000	-0.24383
54550000	3.5585	58.731	7.90818E-02	0.30578	221.11	1048.4	111.15	0.00000	-0.35094
54560000	3.2554	58.758	7.86925E-02	0.30578	220.15	1039.4	119.70	0.00000	-0.47049
54570000	2.9271	58.781	7.8564E-02	0.30578	219.30	1028.5	131.13	0.00000	-0.54648
54580000	2.5912	58.803	7.86876E-02	0.30578	218.52	1015.3	145.70	0.00000	-0.54934
54590000	2.2649	58.825	7.93443E-02	0.30578	217.78	999.78	163.60	0.00000	-0.68211

54310000	0.61805	58.271	9.89164E-02	0.30578	237.77	1073.0	504.47	0.00000	1.67795E-02
54320000	0.59980	58.285	9.84809E-02	0.30578	236.71	1072.8	513.10	0.00000	2.20882E-02
54330000	0.57694	58.293	9.80449E-02	0.30578	236.44	1072.8	524.91	0.00000	1.41393E-02
54340000	0.55015	58.301	9.76104E-02	0.30578	236.20	1072.8	540.00	0.00000	4.89519E-03
54350000	0.52059	58.309	9.71825E-02	0.30578	235.93	1073.0	558.20	0.00000	-6.46959E-03
54360000	0.49008	58.317	9.67673E-02	0.30578	235.67	1073.3	578.84	0.00000	-1.70891E-02
54370000	0.46160	58.323	9.63612E-02	0.30578	235.43	1073.7	599.89	0.00000	-2.17000E-02
54380000	0.44097	58.331	9.59327E-02	0.30578	235.19	1074.2	615.90	0.00000	-1.35993E-02
54390000	0.44159	58.339	9.54051E-02	0.30578	234.88	1074.9	613.29	0.00000	-2.42263E-02
54400000	0.50370	58.347	9.49346E-02	0.30578	234.62	1075.6	562.04	0.00000	-0.37192
54410000	0.66826	58.373	9.34872E-02	0.30578	233.73	1076.3	461.38	0.00000	0.28370
54420000	0.92492	58.372	9.34878E-02	0.30578	233.74	1077.1	367.66	0.00000	-2.30776E-02
54430000	1.2656	58.377	9.32062E-02	0.30578	233.56	1077.8	291.12	0.00000	-0.23608
54440000	1.6706	58.387	9.26797E-02	0.30578	233.23	1078.4	233.87	0.00000	-0.33710

54450000	2.1190	58.402	9.19146E-02	0.30578	232.72	1078.8	191.94	0.00000	-0.37606
54460000	2.5863	58.422	9.09106E-02	0.30578	232.01	1078.8	161.31	0.00000	-0.41228
54470000	3.0437	58.448	8.96842E-02	0.30578	231.11	1078.4	139.00	0.00000	-0.44612
54480000	3.4564	58.478	8.83005E-02	0.30578	230.05	1077.5	123.07	0.00000	-0.42491
54490000	3.7917	58.512	8.67871E-02	0.30578	228.85	1075.9	112.07	0.00000	-0.39849
54500000	4.0229	58.549	8.52070E-02	0.30578	227.54	1073.5	104.98	0.00000	-0.34842
54510000	4.1349	58.588	8.36480E-02	0.30578	226.17	1070.4	101.17	0.00000	-0.27193
54520000	4.1281	58.627	8.21832E-02	0.30578	224.80	1066.5	100.12	0.00000	-0.20871
54530000	4.0158	58.665	8.08835E-02	0.30578	223.47	1061.6	101.50	0.00000	-0.19336
54540000	3.8186	58.699	7.98258E-02	0.30578	222.22	1055.7	105.17	0.00000	-0.24383
54550000	3.5585	58.731	7.90818E-02	0.30578	221.11	1048.4	111.15	0.00000	-0.35094
54560000	3.2554	58.758	7.86925E-02	0.30578	220.15	1039.4	119.70	0.00000	-0.47049
54570000	2.9271	58.781	7.86464E-02	0.30578	219.30	1028.5	131.13	0.00000	-0.54648
54580000	2.5912	58.803	7.88876E-02	0.30578	218.52	1015.3	145.70	0.00000	-0.54934
54590000	2.2649	58.825	7.93443E-02	0.30578	217.72	999.79	163.50	0.00000	-0.49201
54600000	1.9642	58.850	7.99608E-02	0.30578	216.84	981.84	184.29	0.00000	-0.40890
54610000	1.7022	58.878	8.07150E-02	0.30578	215.84	961.36	207.33	0.00000	-0.33110
54620000	1.4883	58.910	8.16126E-02	0.30578	214.68	938.21	231.10	0.00000	-0.27059
54630000	1.3306	58.947	8.26693E-02	0.30578	213.34	912.17	252.87	0.00000	-0.23189
54640000	1.2426	58.989	8.39079E-02	0.30578	211.78	882.86	267.82	0.00000	-0.18920
54650000	1.2428	59.041	8.53507E-02	0.30578	209.90	849.79	270.22	0.00000	-0.22123
54660000	1.3037	59.092	8.77954E-02	0.30578	208.02	811.19	265.61	0.00000	-0.29274
54670000	1.3673	59.143	9.15584E-02	0.30578	206.15	767.19	263.71	0.00000	-0.45113
54680000	1.4011	59.206	9.53835E-02	0.30578	203.79	721.60	266.02	0.00000	-0.31922
54690000	1.3961	59.283	9.89373E-02	0.30578	200.90	676.86	272.58	0.00000	-0.14564
54700000	1.3570	59.371	0.10215	0.30578	197.58	634.20	282.74	0.00000	-2.39345E-03
54710000	1.2927	59.466	0.10508	0.30578	193.92	594.18	295.94	0.00000	0.12954
54720000	1.2124	59.565	0.10780	0.30578	190.09	556.33	311.94	0.00000	0.10171
54730000	1.1213	59.669	0.11043	0.30578	186.02	521.32	330.24	0.00000	0.19164
54740000	1.0244	59.775	0.11296	0.30578	181.81	488.66	351.85	0.00000	0.20100
54750000	0.92575	59.883	0.11541	0.30578	177.50	458.28	376.55	0.00000	0.14951
54760000	0.82838	59.991	0.11780	0.30578	173.07	430.38	404.52	0.00000	0.13638
54770000	0.73487	60.100	0.12012	0.30578	168.58	404.83	435.97	0.00000	0.12151
54780000	0.64699	60.207	0.12233	0.30578	164.07	381.58	471.13	0.00000	0.10857
54790000	0.56599	60.312	0.12444	0.30578	159.56	360.58	510.20	0.00000	9.82308E-02
54800000	0.49272	60.414	0.12642	0.30578	155.10	341.75	553.29	0.00000	8.95583E-02
54810000	0.42760	60.513	0.12825	0.30578	150.74	324.98	600.33	0.00000	8.06695E-02
54820000	0.37075	60.607	0.12992	0.30578	146.51	310.18	651.03	0.00000	7.08127E-02
54830000	0.32205	60.695	0.13143	0.30578	142.47	297.26	704.75	0.00000	5.99093E-02
54840000	0.28112	60.776	0.13278	0.30578	138.69	286.14	760.41	0.00000	3.95466E-02
54850000	0.24749	60.846	0.13405	0.30578	135.37	276.74	817.00	0.00000	3.12870E-02
54860000	0.22004	60.907	0.13508	0.30578	132.40	269.11	872.18	0.00000	2.29261E-02
54870000	0.19806	60.960	0.13593	0.30578	129.85	262.97	924.67	0.00000	1.62923E-02
54880000	0.18079	61.002	0.13659	0.30578	127.74	258.12	972.67	0.00000	9.62850E-03
54890000	0.16749	61.036	0.13708	0.30578	126.05	254.40	1014.8	0.00000	4.06585E-03
54900000	0.15748	61.062	0.13745	0.30578	124.78	251.67	1050.1	0.00000	1.16585E-03
54910000	0.15010	61.079	0.13774	0.30578	123.93	249.87	1078.7	0.00000	-2.42014E-03
54920000	0.14461	61.085	0.13784	0.30578	123.59	249.19	1101.5	0.00000	3.91138E-03
54930000	0.14042	61.080	0.13780	0.30578	123.84	249.56	1119.5	0.00000	-2.02708E-02
54940000	0.13323	61.131	0.13279	0.30578	121.23	248.43	1129.4	0.00000	0.00000
54950000	0.12883	61.213	0.12883	0.30578	117.00	245.97	1280.2	0.00000	4.26723E-05
56010000	0.12131	61.333	0.12131	0.49155	110.59	243.62	1313.5	0.00000	6.00436E-03
56020000	0.11792	61.396	0.11791	0.49155	107.11	242.49	1329.6	0.00000	0.00000
56030000	0.11639	61.426	0.11639	0.49155	105.45	242.10	1337.5	0.00000	0.00000
56040000	0.11578	61.439	0.11578	0.49155	104.72	241.91	1340.9	0.00000	0.00000
56050000	0.11554	61.444	0.11554	0.49155	104.40	241.79	1342.1	0.00000	0.00000
56060000	0.11547	61.446	0.11547	0.49155	104.28	241.72	1342.5	0.00000	0.00000
56070000	0.11550	61.447	0.11550	0.49155	104.24	241.68	1342.6	0.00000	0.00000
56080000	0.11558	61.447	0.11558	0.49155	104.25	241.65	1342.5	0.00000	0.00000
56090000	0.11568	61.447	0.11568	0.49155	104.26	241.61	1342.4	0.00000	0.00000

56100000	0.11576	61.446	0.11576	0.49155	104.28	241.57	1342.2	0.00000	0.00000
56110000	0.11583	61.446	0.11583	0.49155	104.29	241.52	1341.9	0.00000	0.00000
56120000	0.11588	61.446	0.11588	0.49155	104.29	241.47	1341.7	0.00000	0.00000
56130000	0.11591	61.446	0.11591	0.49155	104.28	241.42	1341.5	0.00000	0.00000
56140000	0.11593	61.446	0.11593	0.49155	104.28	241.38	1341.2	0.00000	0.00000
56150000	0.11593	61.447	0.11593	0.49155	104.27	241.33	1341.0	0.00000	0.00000
56160000	0.11593	61.447	0.11593	0.49155	104.25	241.29	1340.8	0.00000	0.00000
56170000	0.11592	61.447	0.11592	0.49155	104.24	241.25	1340.6	0.00000	0.00000
56180000	0.11590	61.447	0.11590	0.49155	104.22	241.21	1340.4	0.00000	0.00000
56190000	0.11588	61.448	0.11588	0.49155	104.20	241.17	1340.2	0.00000	0.00000
56200000	0.11587	61.448	0.11587	0.49155	104.19	241.13	1340.0	0.00000	0.00000
56210000	0.11586	61.448	0.11586	0.49155	104.18	241.10	1339.9	0.00000	0.00000
56220000	0.11587	61.448	0.11587	0.49155	104.17	241.06	1339.7	0.00000	0.00000
56230000	0.11588	61.448	0.11588	0.49155	104.16	241.03	1339.5	0.00000	0.00000
56240000	0.11592	61.448	0.11592	0.49155	104.15	241.00	1339.3	0.00000	0.00000

54920000	0.14461	61.085	0.13784	0.30578	123.55	249.19	1101.5	0.00000	-2.42014E-03
54930000	0.14042	61.080	0.13780	0.30578	123.84	249.56	1119.5	0.00000	3.91138E-03
54940000	0.13323	61.131	0.13279	0.30578	121.23	248.43	1129.4	0.00000	-2.02708E-02
54950000	0.12883	61.213	0.12883	0.30578	117.00	245.97	1280.2	0.00000	0.00000
56010000	0.12131	61.333	0.12131	0.49155	110.59	243.62	1313.5	0.00000	4.26723E-05
56020000	0.11792	61.396	0.11791	0.49155	107.11	242.49	1329.6	0.00000	6.00436E-07
56030000	0.11639	61.426	0.11639	0.49155	105.45	242.10	1337.5	0.00000	0.00000
56040000	0.11578	61.439	0.11578	0.49155	104.72	241.91	1340.9	0.00000	0.00000
56050000	0.11554	61.444	0.11554	0.49155	104.40	241.79	1342.1	0.00000	0.00000
56060000	0.11547	61.446	0.11547	0.49155	104.28	241.72	1342.5	0.00000	0.00000
56070000	0.11550	61.447	0.11550	0.49155	104.24	241.68	1342.6	0.00000	0.00000
56080000	0.11558	61.447	0.11558	0.49155	104.25	241.65	1342.5	0.00000	0.00000
56090000	0.11568	61.447	0.11568	0.49155	104.26	241.61	1342.4	0.00000	0.00000

56100000	0.11576	61.446	0.11576	0.49155	104.28	241.57	1342.2	0.00000	0.00000
56110000	0.11583	61.446	0.11583	0.49155	104.29	241.52	1341.9	0.00000	0.00000
56120000	0.11588	61.446	0.11588	0.49155	104.29	241.47	1341.7	0.00000	0.00000
56130000	0.11591	61.446	0.11591	0.49155	104.28	241.42	1341.5	0.00000	0.00000
56140000	0.11593	61.446	0.11593	0.49155	104.28	241.38	1341.2	0.00000	0.00000
56150000	0.11593	61.447	0.11593	0.49155	104.27	241.33	1341.0	0.00000	0.00000
56160000	0.11593	61.447	0.11593	0.49155	104.25	241.29	1340.8	0.00000	0.00000
56170000	0.11592	61.447	0.11592	0.49155	104.24	241.25	1340.6	0.00000	0.00000
56180000	0.11590	61.447	0.11590	0.49155	104.22	241.21	1340.4	0.00000	0.00000
56190000	0.11588	61.448	0.11588	0.49155	104.20	241.17	1340.2	0.00000	0.00000
56200000	0.11587	61.448	0.11587	0.49155	104.19	241.13	1340.0	0.00000	0.00000
56210000	0.11586	61.448	0.11586	0.49155	104.18	241.10	1339.9	0.00000	0.00000
56220000	0.11587	61.448	0.11587	0.49155	104.17	241.06	1339.7	0.00000	0.00000
56230000	0.11588	61.448	0.11588	0.49155	104.16	241.03	1339.5	0.00000	0.00000
56240000	0.11592	61.448	0.11592	0.49155	104.17	241.00	1339.4	0.00000	0.00000
56250000	0.11598	61.448	0.11598	0.49155	104.18	240.98	1339.3	0.00000	0.00000
56260000	0.11609	61.447	0.11609	0.49155	104.21	240.98	1339.3	0.00000	0.00000
56270000	0.11624	61.447	0.11624	0.49155	104.27	240.99	1339.4	0.00000	0.00000
56280000	0.11647	61.445	0.11647	0.49155	104.36	241.04	1339.6	0.00000	0.00000
56290000	0.11679	61.443	0.11679	0.49155	104.49	241.12	1340.0	0.00000	0.00000
56300000	0.11724	61.439	0.11724	0.49155	104.67	241.26	1340.6	0.00000	0.00000
56310000	0.11782	61.435	0.11782	0.49155	104.92	241.45	1341.6	0.00000	0.00000
56320000	0.11856	61.430	0.11856	0.49155	105.23	241.71	1342.9	0.00000	0.00000
56330000	0.11945	61.423	0.11945	0.49155	105.62	242.04	1344.5	0.00000	0.00000
56340000	0.12049	61.415	0.12049	0.49155	106.07	242.44	1346.4	0.00000	0.00000
56350000	0.12163	61.406	0.12163	0.49155	106.56	242.90	1348.6	0.00000	0.00000
58010000	0.12274	61.397	0.12274	0.54635	107.06	243.42	1351.2	0.00000	0.00000
58020000	0.12403	61.387	0.12403	0.54635	107.62	243.98	1353.9	0.00000	0.00000
58030000	0.12525	61.378	0.12525	0.54635	108.15	244.51	1356.4	0.00000	0.00000
58040000	0.12635	61.369	0.12635	0.54635	108.63	244.98	1358.7	0.00000	0.00000
58050000	0.12731	61.362	0.12731	0.54635	109.04	245.40	1360.8	0.00000	0.00000
58060000	0.12809	61.356	0.12809	0.54635	109.38	245.76	1362.5	0.00000	0.00000
58070000	0.12869	61.351	0.12869	0.54635	109.65	246.07	1363.9	0.00000	0.00000
60010000	0.12910	61.347	0.12910	0.60828	109.85	246.34	1365.2	0.00000	0.00000
60020000	0.12983	61.338	0.12983	0.60828	110.34	246.49	1364.1	0.00000	0.00000
60030000	0.13841	61.212	0.13841	0.60828	117.10	246.49	1323.1	0.00000	0.00000
62010000	0.20765	61.070	0.15863	0.54800	124.41	240.66	971.21	0.00000	0.16412
62020000	3.7636	61.674	0.17185	0.54800	90.824	196.25	217.79	0.00000	-0.26158
64010000	53.319	61.719	0.17057	0.90420	87.973	200.01	153.21	0.00000	-1.94290E-02
66010000	61.079	61.718	0.14971	0.82200	87.957	204.82	485.97	0.00000	-1.37718E-03
68010000	61.681	61.717	0.12451	0.82200	87.957	208.40	1743.3	0.00000	-4.78856E-05
69010000	61.714	61.715	7.99538E-02	2.2358	87.957	209.01	4518.6	0.00000	8.63261E-09
70010000	61.714	61.714	3.33147E-02	2.2358	87.957	1075.9	5041.0	0.00000	0.00000
71010000	61.714	61.714	3.04006E-02	2.2358	87.957	1074.5	5040.9	0.00000	0.00000
73010000	61.712	61.714	4.58743E-02	600.33	87.949	233.36	3095.4	0.00000	1.86011E-08
75010000	6.10187E-02	61.900	4.17262E-02	199.98	75.303	239.18	875.40	0.00000	2.80685E-02
76010000	0.81559	53.142	0.66402	0.10050	387.48	1094.7	1360.3	0.00000	-30.243
76020000	0.68164	53.791	0.53954	0.10050	370.68	1103.3	1349.9	0.00000	-16.459
76030000	0.63779	54.009	0.50055	0.10050	364.93	1107.0	1347.5	0.00000	-11.184
76040000	0.61484	54.127	0.47797	0.10050	361.77	1110.3	1343.6	0.00000	-6.0224
79010000	8.8951	33.109	8.8951	0.11760	741.43	1013.5	1086.0	0.00000	-1.44752E-04
81010000	8.8998	33.107	8.8998	8.65830E-02	741.45	1013.4	1085.8	0.00000	-1.64291E-04
83010000	8.8483	33.032	8.8483	7.93800E-02	742.29	1014.9	1378.6	0.00000	0.00000
83020000	8.9205	33.033	8.9205	9.37860E-02	742.29	1013.4	1385.1	0.00000	0.00000
85010000	8.9276	33.020	8.9276	0.10334	742.43	1013.3	1384.7	0.00000	0.00000
85020000	8.8496	33.019	8.8496	0.10334	742.44	1014.9	1379.4	0.00000	0.00000
87010000	8.9151	33.092	8.9151	8.58480E-02	741.62	1013.1	1085.0	0.00000	-2.17179E-04
89010000	8.9230	33.076	8.9230	0.11539	741.80	1013.0	1084.5	0.00000	-1.96555E-04
91010000	8.9413	33.069	8.9413	0.15787	741.88	1012.6	1083.6	0.00000	-2.65939E-04
91020000	8.9345	33.072	8.9345	0.15787	741.85	1012.8	1083.9	0.00000	-2.43061E-04

91030000	8.9279	33.074	8.9279	0.15787	741.82	1012.9	1084.3	0.00000	-2.16679E-04
93010000	6.87148E-02	61.719	6.71818E-02	9000.0	87.672	231.56	1076.7	0.00000	6.35185E-04
95010000	0.50931	54.720	0.39557	0.10251	345.71	1112.5	1345.5	0.00000	0.54641
96010000	0.63665	53.869	0.50628	0.16944	368.63	1115.1	1366.1	0.00000	1.2823
97010000	0.49644	54.822	0.38514	0.12140	342.90	1110.9	1342.9	0.00000	-1.8229
99010000	8.8781	33.128	8.8781	0.11760	741.20	1013.8	1086.9	0.00000	-1.41864E-04
101010000	8.8831	33.126	8.8831	8.65830E-02	741.23	1013.7	1086.6	0.00000	-1.66999E-04
103010000	8.8942	33.111	8.8942	0.10054	741.40	1013.5	1086.1	0.00000	-1.72665E-04
103020000	8.8903	33.113	8.8902	9.37860E-02	741.38	1013.6	1086.3	0.00000	-1.53179E-04
105010000	8.9085	33.095	8.9085	0.15155	741.59	1013.3	1085.3	0.00000	-1.91071E-04
105020000	8.9021	33.097	8.9021	0.15155	741.56	1013.4	1085.6	0.00000	-1.60388E-04
107010000	8.9148	33.093	8.9147	8.58480E-02	741.61	1013.1	1085.0	0.00000	-2.21281E-04
109010000	8.9227	33.077	8.9227	0.11539	741.78	1013.0	1084.6	0.00000	-2.00195E-04
111010000	8.9413	33.069	8.9413	0.15787	741.88	1012.6	1083.6	0.00000	-2.65987E-04
111020000	8.9344	33.072	8.9344	0.15787	741.85	1012.8	1083.9	0.00000	-2.43061E-04







56100000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56110000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56120000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56130000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56140000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56150000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56160000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56170000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56180000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56190000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56200000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56210000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56220000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56230000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56240000	0	0	0	0	0	0	0	0	0	0	0	0	0	0

56250000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56260000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56270000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56280000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56290000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56300000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56310000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56320000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56330000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56340000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56350000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58030000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58040000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58050000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58060000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58070000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60030000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62020000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
64010000	6	6	0	0	0	0	0	0	0	0	0	0	0	0
66010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75010000	0	1	0	0	0	0	0	0	1	1	0	0	0	0
76010000	0	2	0	0	0	0	0	0	0	0	0	20	0	0
76020000	0	10	0	0	0	0	0	1	0	0	0	28	0	0
76030000	0	28	0	0	0	0	0	0	0	0	0	121	0	0
76040000	0	1	0	0	0	0	0	0	0	135	558	6	114	0
79010000	0	14	0	0	0	0	0	0	0	0	0	0	0	0
81010000	0	3	0	0	0	0	0	0	0	0	0	0	0	0
83010000	0	5	0	0	0	0	0	0	0	0	0	0	0	0
83020000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
85010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85020000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
87010000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
89010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91030000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95010000	0	34	0	0	0	0	0	2	0	0	0	0	0	0
96010000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
97010000	0	1	0	0	0	0	0	0	0	53	158	1	18	0
99010000	0	4	0	0	0	0	0	0	0	0	0	0	0	0
101010000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
103010000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
103020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105010000	0	6	0	0	0	0	0	0	0	0	0	0	0	0
105020000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
107010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0

111030000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114020000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
114030000	0	7	0	0	0	0	0	0	0	0	0	0	0	0
136010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178010000	0	8	0	0	0	0	0	0	0	0	3	0	0	0
193010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195010000	0	6	0	0	0	0	0	0	0	0	0	0	0	0
195020000	176	391	0	2	0	0	2	12	0	1	2	3	0	1
198010000	0	5	0	0	0	0	0	0	0	0	0	0	0	0

JUN.NO. FROM VOL. TO VOL. LIQ. VEL. VAP. VEL. MASS FLOW JUN.AREA THROAT RATIO JUNCTION CHOKE NO.ADVS.CHOKE



95010000	0	34	0	0	0	0	0	2	0	0	0	0	0	0	0
96010000	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
97010000	0	1	0	0	0	0	0	0	0	0	0	53	158	1	18
99010000	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
101010000	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
103010000	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
103020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105010000	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0
105020000	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
107010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

111030000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114020000	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
114030000	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0
136010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178010000	0	8	0	0	0	0	0	0	0	0	0	3	0	0	0
193010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195010000	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0
195020000	176	391	0	2	0	0	2	12	0	1	2	3	0	1	1
198010000	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0

JUN.NO.	FROM VOL.	TO VOL.	LIQ. VEL. (FT/SEC)	VAP. VEL. (FT/SEC)	MASS FLOW (LB/SEC)	JUN.AREA (FT2)	THROAT RATIO	JUNCTION FLAGS	CHOKE FLAG	NO. ADVS. EDIT	CHOKED TOTAL
C-36	PIPE	COMPONENT									
36010000	36010000	36020000	725.12	725.12	110.57	0.20100	1.0000	1000	0	0	0
36020000	36020000	36030000	879.64	879.64	109.62	0.20100	1.0000	1000	0	0	0
C-96-040	SNGLJUN	COMPONENT									
37000000	96010000	40010000	75.150	75.150	9.5674	0.20100	1.0000	0	0	0	10
C-38	PIPE	COMPONENT									
38010000	38010000	38020000	16.349	16.349	5.6870	0.54800	1.0000	1000	0	0	0
38020000	38020000	38030000	9.2988	9.2988	3.2386	0.54800	1.0000	1000	0	0	0
38030000	38030000	38040000	2.2913	2.2913	0.79949	0.54800	1.0000	1000	0	0	0
38040000	38040000	38050000	-4.4664	-4.4664	-1.5640	0.54800	1.0000	1000	0	0	0
38050000	38050000	38060000	-10.797	-10.797	-3.9043	0.54800	1.0000	1000	0	0	0
38060000	38060000	38070000	-16.218	-16.218	-13.589	0.54800	1.0000	1000	0	0	0
C-40-38	SNGLJUN	COMPONENT									
39000000	40010000	38010000	34.021	34.021	8.1017	0.37500	1.0000	1000	0	0	0
C-38-42	SNGLJUN	COMPONENT									
41000000	38070000	42010000	25.590	-21.061	8.4148	0.54800	1.0000	1000	0	0	0
C-42-44	SNGLJUN	COMPONENT									
43000000	42010000	44010000	39.346	-85.297	40.105	0.20100	1.0000	100	0	0	148
C-44-46	SNGLJUN	COMPONENT									
45000000	44010000	46010000	137.46	145.34	36.735	0.20100	1.0000	100	0	21	150
C-46	PIPE	COMPONENT									
46010000	46010000	46020000	77.439	44.089	46.014	0.54800	1.0000	1000	0	0	0
46020000	46020000	46030000	84.909	44.031	68.963	0.54800	1.0000	1000	0	0	0
C-46-48	SNGLJUN	COMPONENT									
47000000	46030000	114010000	84.528	43.839	102.61	0.54800	1.0000	1000	0	0	0
C-48	PIPE	COMPONENT									
48010000	48010000	48020000	128.53	237.76	312.90	0.54800	1.0000	1000	0	0	0
48020000	48020000	48030000	183.96	277.11	325.34	0.54800	1.0000	1000	0	0	0
48030000	48030000	48040000	214.07	306.51	335.65	0.54800	1.0000	1000	0	0	0
48040000	48040000	48050000	236.29	325.51	344.86	0.54800	1.0000	1000	0	0	0
48050000	48050000	48060000	253.41	339.77	353.41	0.54800	1.0000	1000	0	0	0
48060000	48060000	48070000	266.91	350.21	361.47	0.54800	1.0000	1000	0	0	0
48070000	48070000	48080000	277.39	357.31	369.03	0.54800	1.0000	1000	0	0	0
48080000	48080000	48090000	286.87	361.13	375.88	0.54800	1.0000	1000	0	0	0
C-48-50	SNGLJUN	COMPONENT									
49000000	48090000	50010000	275.90	364.28	381.72	0.54800	1.0000	1000	0	0	0
C-50	PIPE	COMPONENT									
50010000	50010000	50020000	287.77	374.56	385.15	0.54800	1.0000	1000	0	0	0
50020000	50020000	50030000	296.87	380.22	385.29	0.54800	1.0000	1000	0	0	0
50030000	50030000	50040000	303.34	381.86	381.67	0.54800	1.0000	1000	0	0	0
50040000	50040000	50050000	307.31	379.52	374.09	0.54800	1.0000	1000	0	0	0
C-50-52	SNGLJUN	COMPONENT									
51000000	50050000	52010000	313.14	372.93	362.85	0.54800	1.0000	1000	0	0	0
C-52-54	SNGLJUN	COMPONENT									
53000000	52010000	54010000	262.35	368.29	344.77	0.54800	1.0000	1000	0	0	0
C-54	PIPE	COMPONENT									

54010000	54010000	54020000	282.73	387.30	320.92	0.54800	1.0000	1000	0	0	0
54020000	54020000	54030000	297.33	395.06	295.42	0.54800	1.0000	1000	0	0	0
54030000	54030000	54040000	307.41	393.51	268.89	0.54800	1.0000	1000	0	0	0
54040000	54040000	54050000	382.80	382.80	244.83	0.54800	1.0000	1000	0	0	0
54050000	54050000	54060000	424.18	424.18	223.75	0.54800	1.0000	1000	0	0	0
54060000	54060000	54070000	449.28	449.28	205.20	0.54800	1.0000	1000	0	0	0
54070000	54070000	54080000	463.37	463.37	189.31	0.54800	1.0000	1000	0	0	0
54080000	54080000	54090000	470.93	470.93	177.00	0.54800	1.0000	1000	0	0	0
54090000	54090000	54100000	475.16	475.16	169.52	0.54800	1.0000	1000	0	0	0
54100000	54100000	54110000	477.87	477.87	167.42	0.54800	1.0000	1000	0	0	0
54110000	54110000	54120000	479.96	479.96	170.04	0.54800	1.0000	1000	0	0	0
54120000	54120000	54130000	481.89	481.89	175.71	0.54800	1.0000	1000	0	0	0
54130000	54130000	54140000	483.91	483.91	182.52	0.54800	1.0000	1000	0	0	0
54140000	54140000	54150000	486.08	486.08	188.82	0.54800	1.0000	1000	0	0	0
54150000	54150000	54160000	488.32	488.32	193.55	0.54800	1.0000	1000	0	0	0

48070000	48070000	48080000	77.39	357.31	369.03	0.54800	1.0000	1000	0	0	0
48080000	48080000	48090000	286.87	361.13	375.88	0.54800	1.0000	1000	0	0	0
C-48-50 SNGLJUN COMPONENT											
49000000	48090000	50010000	275.90	364.28	381.72	0.54800	1.0000	1000	0	0	0
C-50 PIPE COMPONENT											
50010000	50010000	50020000	287.77	374.56	385.15	0.54800	1.0000	1000	0	0	0
50020000	50020000	50030000	296.87	380.22	385.29	0.54800	1.0000	1000	0	0	0
50030000	50030000	50040000	303.34	381.86	381.67	0.54800	1.0000	1000	0	0	0
50040000	50040000	50050000	307.31	379.52	374.09	0.54800	1.0000	1000	0	0	0
C-50-52 SNGLJUN COMPONENT											
51000000	50050000	52010000	313.14	372.93	362.85	0.54800	1.0000	1000	0	0	0
C-52-54 SNGLJUN COMPONENT											
53000000	52010000	54010000	262.35	368.29	344.77	0.54800	1.0000	1000	0	0	0
C-54 PIPE COMPONENT											

54010000	54010000	54020000	282.73	387.30	320.92	0.54800	1.0000	1000	0	0	0
54020000	54020000	54030000	297.33	395.06	295.42	0.54800	1.0000	1000	0	0	0
54030000	54030000	54040000	307.41	393.51	268.89	0.54800	1.0000	1000	0	0	0
54040000	54040000	54050000	382.80	382.80	244.83	0.54800	1.0000	1000	0	0	0
54050000	54050000	54060000	424.18	424.18	223.75	0.54800	1.0000	1000	0	0	0
54060000	54060000	54070000	449.28	449.28	205.20	0.54800	1.0000	1000	0	0	0
54070000	54070000	54080000	463.37	463.37	189.31	0.54800	1.0000	1000	0	0	0
54080000	54080000	54090000	470.93	470.93	177.00	0.54800	1.0000	1000	0	0	0
54090000	54090000	54100000	475.16	475.16	169.52	0.54800	1.0000	1000	0	0	0
54100000	54100000	54110000	477.87	477.87	167.42	0.54800	1.0000	1000	0	0	0
54110000	54110000	54120000	479.96	479.96	170.04	0.54800	1.0000	1000	0	0	0
54120000	54120000	54130000	481.89	481.89	175.71	0.54800	1.0000	1000	0	0	0
54130000	54130000	54140000	483.91	483.91	182.52	0.54800	1.0000	1000	0	0	0
54140000	54140000	54150000	486.08	486.08	188.82	0.54800	1.0000	1000	0	0	0
54150000	54150000	54160000	488.32	488.32	193.55	0.54800	1.0000	1000	0	0	0
54160000	54160000	54170000	490.40	490.40	196.13	0.54800	1.0000	1000	0	0	0
54170000	54170000	54180000	492.05	492.05	196.42	0.54800	1.0000	1000	0	0	0
54180000	54180000	54190000	493.03	493.03	194.67	0.54800	1.0000	1000	0	0	0
54190000	54190000	54200000	493.31	493.31	191.48	0.54800	1.0000	1000	0	0	0
54200000	54200000	54210000	492.87	492.87	187.52	0.54800	1.0000	1000	0	0	0
54210000	54210000	54220000	491.84	491.84	183.46	0.54800	1.0000	1000	0	0	0
54220000	54220000	54230000	490.35	490.35	179.81	0.54800	1.0000	1000	0	0	0
54230000	54230000	54240000	488.60	488.60	176.87	0.54800	1.0000	1000	0	0	0
54240000	54240000	54250000	486.76	486.76	174.71	0.54800	1.0000	1000	0	0	0
54250000	54250000	54260000	485.02	485.02	173.24	0.54800	1.0000	1000	0	0	0
54260000	54260000	54270000	483.53	483.53	172.20	0.54800	1.0000	1000	0	0	0
54270000	54270000	54280000	482.39	482.39	171.26	0.54800	1.0000	1000	0	0	0
54280000	54280000	54290000	481.67	481.67	170.05	0.54800	1.0000	1000	0	0	0
54290000	54290000	54300000	481.34	481.34	168.19	0.54800	1.0000	1000	0	0	0
54300000	54300000	54310000	481.31	481.31	165.36	0.54800	1.0000	1000	0	0	0
54310000	54310000	54320000	481.45	481.45	161.32	0.54800	1.0000	1000	0	0	0
54320000	54320000	54330000	481.60	481.60	156.00	0.54800	1.0000	1000	0	0	0
54330000	54330000	54340000	481.60	481.60	149.43	0.54800	1.0000	1000	0	0	0
54340000	54340000	54350000	481.32	481.32	141.83	0.54800	1.0000	1000	0	0	0
54350000	54350000	54360000	480.66	480.66	133.56	0.54800	1.0000	1000	0	0	0
54360000	54360000	54370000	479.63	479.63	125.23	0.54800	1.0000	1000	0	0	0
54370000	54370000	54380000	478.36	478.36	117.84	0.54800	1.0000	1000	0	0	0
54380000	54380000	54390000	477.29	477.29	113.47	0.54800	1.0000	1000	0	0	0
54390000	54390000	54400000	476.57	476.57	116.71	0.54800	1.0000	1000	0	0	0
54400000	54400000	54410000	469.12	469.12	138.81	0.54800	1.0000	1000	0	0	0
54410000	54410000	54420000	441.03	475.35	179.22	0.54800	1.0000	1000	0	0	0
54420000	54420000	54430000	420.41	475.61	238.05	0.54800	1.0000	1000	0	0	0
54430000	54430000	54440000	405.29	473.37	311.05	0.54800	1.0000	1000	0	0	0
54440000	54440000	54450000	395.05	470.65	395.28	0.54800	1.0000	1000	0	0	0
54450000	54450000	54460000	388.12	468.31	486.36	0.54800	1.0000	1000	0	0	0
54460000	54460000	54470000	383.30	466.28	579.23	0.54800	1.0000	1000	0	0	0
54470000	54470000	54480000	379.75	464.39	667.55	0.54800	1.0000	1000	0	0	0
54480000	54480000	54490000	377.03	462.84	744.07	0.54800	1.0000	1000	0	0	0
54490000	54490000	54500000	375.02	461.60	803.05	0.54800	1.0000	1000	0	0	0
54500000	54500000	54510000	373.70	460.72	840.14	0.54800	1.0000	1000	0	0	0
54510000	54510000	54520000	373.06	460.31	853.54	0.54800	1.0000	1000	0	0	0
54520000	54520000	54530000	372.99	460.15	844.30	0.54800	1.0000	1000	0	0	0
54530000	54530000	54540000	373.37	459.75	815.48	0.54800	1.0000	1000	0	0	0
54540000	54540000	54550000	373.99	458.42	771.04	0.54800	1.0000	1000	0	0	0
54550000	54550000	54560000	374.70	455.53	715.05	0.54800	1.0000	1000	0	0	0
54560000	54560000	54570000	375.50	450.92	651.43	0.54800	1.0000	1000	0	0	0
54570000	54570000	54580000	376.61	445.05	584.10	0.54800	1.0000	1000	0	0	0
54580000	54580000	54590000	378.35	438.75	516.90	0.54800	1.0000	1000	0	0	0
54590000	54590000	54600000	381.07	432.72	453.41	0.54800	1.0000	1000	0	0	0
54600000	54600000	54610000	385.04	427.27	396.62	0.54800	1.0000	1000	0	0	0

54610000	54610000	54620000	390.39	422.39	348.76	0.54800	1.0000	1000	0	0	0
54620000	54620000	54630000	397.09	417.93	311.48	0.54800	1.0000	1000	0	0	0
54630000	54630000	54640000	404.70	413.67	286.38	0.54800	1.0000	1000	0	0	0
54640000	54640000	54650000	411.10	409.61	276.07	0.54800	1.0000	1000	0	0	0
54650000	54650000	54660000	409.66	405.58	280.39	0.54800	1.0000	1000	0	0	0
54660000	54660000	54670000	401.27	401.04	290.19	0.54800	1.0000	1000	0	0	0
54670000	54670000	54680000	393.68	393.68	297.56	0.54800	1.0000	1000	0	0	0
54680000	54680000	54690000	388.58	388.58	298.77	0.54800	1.0000	1000	0	0	0
54690000	54690000	54700000	386.13	386.13	293.62	0.54800	1.0000	1000	0	0	0
54700000	54700000	54710000	385.89	385.89	283.42	0.54800	1.0000	1000	0	0	0
54710000	54710000	54720000	387.36	387.36	269.62	0.54800	1.0000	1000	0	0	0
54720000	54720000	54730000	389.60	389.60	253.06	0.54800	1.0000	1000	0	0	0
54730000	54730000	54740000	392.28	392.28	234.52	0.54800	1.0000	1000	0	0	0
54740000	54740000	54750000	394.95	394.95	214.70	0.54800	1.0000	1000	0	0	0
54750000	54750000	54760000	397.31	397.31							

54470000	54470000	54480000	375.75	464.39	667.55	0.54800	1.0000	1000	0	0	0
54480000	54480000	54490000	377.02	462.84	744.07	0.54800	1.0000	1000	0	0	0
54490000	54490000	54500000	375.02	461.60	803.05	0.54800	1.0000	1000	0	0	0
54500000	54500000	54510000	373.70	460.72	840.14	0.54800	1.0000	1000	0	0	0
54510000	54510000	54520000	373.06	460.31	853.54	0.54800	1.0000	1000	0	0	0
54520000	54520000	54530000	372.99	460.15	844.30	0.54800	1.0000	1000	0	0	0
54530000	54530000	54540000	373.37	459.75	815.48	0.54800	1.0000	1000	0	0	0
54540000	54540000	54550000	373.99	458.42	771.04	0.54800	1.0000	1000	0	0	0
54550000	54550000	54560000	374.70	455.53	715.05	0.54800	1.0000	1000	0	0	0
54560000	54560000	54570000	375.50	450.92	651.43	0.54800	1.0000	1000	0	0	0
54570000	54570000	54580000	376.61	445.05	584.10	0.54800	1.0000	1000	0	0	0
54580000	54580000	54590000	378.35	438.75	510.90	0.54800	1.0000	1000	0	0	0
54590000	54590000	54600000	381.07	432.72	453.41	0.54800	1.0000	1000	0	0	0
54600000	54600000	54610000	385.04	427.27	396.62	0.54800	1.0000	1000	0	0	0

54610000	54610000	54620000	390.39	422.39	348.76	0.54800	1.0000	1000	0	0	0
54620000	54620000	54630000	397.09	417.93	311.48	0.54800	1.0000	1000	0	0	0
54630000	54630000	54640000	404.70	413.67	286.38	0.54800	1.0000	1000	0	0	0
54640000	54640000	54650000	411.10	409.61	276.07	0.54800	1.0000	1000	0	0	0
54650000	54650000	54660000	409.66	405.58	280.39	0.54800	1.0000	1000	0	0	0
54660000	54660000	54670000	401.27	401.04	290.19	0.54800	1.0000	1000	0	0	0
54670000	54670000	54680000	393.68	393.68	297.56	0.54800	1.0000	1000	0	0	0
54680000	54680000	54690000	388.58	388.58	298.77	0.54800	1.0000	1000	0	0	0
54690000	54690000	54700000	386.13	386.13	293.62	0.54800	1.0000	1000	0	0	0
54700000	54700000	54710000	385.89	385.89	283.42	0.54800	1.0000	1000	0	0	0
54710000	54710000	54720000	387.36	387.36	269.62	0.54800	1.0000	1000	0	0	0
54720000	54720000	54730000	389.60	389.60	253.06	0.54800	1.0000	1000	0	0	0
54730000	54730000	54740000	392.28	392.28	234.52	0.54800	1.0000	1000	0	0	0
54740000	54740000	54750000	394.95	394.95	214.70	0.54800	1.0000	1000	0	0	0
54750000	54750000	54760000	397.31	397.31	194.30	0.54800	1.0000	1000	0	0	0
54760000	54760000	54770000	399.36	399.36	174.04	0.54800	1.0000	1000	0	0	0
54770000	54770000	54780000	401.10	401.10	154.49	0.54800	1.0000	1000	0	0	0
54780000	54780000	54790000	402.59	402.59	136.09	0.54800	1.0000	1000	0	0	0
54790000	54790000	54800000	403.94	403.94	119.15	0.54800	1.0000	1000	0	0	0
54800000	54800000	54810000	405.22	405.22	103.86	0.54800	1.0000	1000	0	0	0
54810000	54810000	54820000	406.54	406.54	90.329	0.54800	1.0000	1000	0	0	0
54820000	54820000	54830000	407.91	407.91	78.577	0.54800	1.0000	1000	0	0	0
54830000	54830000	54840000	409.30	409.30	68.556	0.54800	1.0000	1000	0	0	0
54840000	54840000	54850000	410.74	410.74	60.197	0.54800	1.0000	1000	0	0	0
54850000	54850000	54860000	412.50	412.50	53.383	0.54800	1.0000	1000	0	0	0
54860000	54860000	54870000	413.93	413.93	47.826	0.54800	1.0000	1000	0	0	0
54870000	54870000	54880000	415.12	415.12	43.393	0.54800	1.0000	1000	0	0	0
54880000	54880000	54890000	416.15	416.15	39.929	0.54800	1.0000	1000	0	0	0
54890000	54890000	54900000	416.91	416.91	37.266	0.54800	1.0000	1000	0	0	0
54900000	54900000	54910000	417.19	417.19	35.245	0.54800	1.0000	1000	0	0	0
54910000	54910000	54920000	417.04	417.04	33.742	0.54800	1.0000	1000	0	0	0
54920000	54920000	54930000	417.88	417.88	32.741	0.54800	1.0000	1000	0	0	0
54930000	54930000	54940000	428.17	428.17	33.081	0.54800	1.0000	1000	0	0	0
54940000	54940000	54950000	385.54	385.54	28.514	0.54800	1.0000	1000	0	0	0

C-54-56 SINGLJUN COMPONENT

55000000	54950000	56010000	394.19	394.19	27.457	0.54800	1.0000	1000	0	0	0
C-56 PIPE COMPONENT											
56010000	56010000	56020000	397.71	397.71	26.151	0.54800	1.0000	1000	0	0	0
56020000	56020000	56030000	396.17	396.17	25.450	0.54800	1.0000	1000	0	0	0
56030000	56030000	56040000	395.87	395.87	25.193	0.54800	1.0000	1000	0	0	0
56040000	56040000	56050000	395.65	395.65	25.078	0.54800	1.0000	1000	0	0	0
56050000	56050000	56060000	395.26	395.26	25.013	0.54800	1.0000	1000	0	0	0
56060000	56060000	56070000	394.97	394.97	24.989	0.54800	1.0000	1000	0	0	0
56070000	56070000	56080000	394.78	394.78	24.989	0.54800	1.0000	1000	0	0	0
56080000	56080000	56090000	394.48	394.48	24.987	0.54800	1.0000	1000	0	0	0
56090000	56090000	56100000	393.86	393.86	24.963	0.54800	1.0000	1000	0	0	0
56100000	56100000	56110000	392.81	392.81	24.908	0.54800	1.0000	1000	0	0	0
56110000	56110000	56120000	391.36	391.36	24.823	0.54800	1.0000	1000	0	0	0
56120000	56120000	56130000	389.54	389.54	24.712	0.54800	1.0000	1000	0	0	0
56130000	56130000	56140000	387.40	387.40	24.578	0.54800	1.0000	1000	0	0	0
56140000	56140000	56150000	384.97	384.97	24.424	0.54800	1.0000	1000	0	0	0
56150000	56150000	56160000	382.27	382.27	24.249	0.54800	1.0000	1000	0	0	0
56160000	56160000	56170000	379.32	379.32	24.058	0.54800	1.0000	1000	0	0	0
56170000	56170000	56180000	376.13	376.13	23.850	0.54800	1.0000	1000	0	0	0
56180000	56180000	56190000	372.69	372.69	23.625	0.54800	1.0000	1000	0	0	0
56190000	56190000	56200000	369.00	369.00	23.385	0.54800	1.0000	1000	0	0	0
56200000	56200000	56210000	365.02	365.02	23.126	0.54800	1.0000	1000	0	0	0
56210000	56210000	56220000	360.70	360.70	22.847	0.54800	1.0000	1000	0	0	0
56220000	56220000	56230000	355.98	355.98	22.543	0.54800	1.0000	1000	0	0	0
56230000	56230000	56240000	350.76	350.76	22.210	0.54800	1.0000	1000	0	0	0

56240000	56240000	56250000	344.96	344.96	21.843	0.54800	1.0000	1000	0	0	0
56250000	56250000	56260000	338.47	338.47	21.437	0.54800	1.0000	1000	0	0	0
56260000	56260000	56270000	331.17	331.17	20.985	0.54800	1.0000	1000	0	0	0
56270000	56270000	56280000	322.90	322.90	20.479	0.54800	1.0000	1000	0	0	0
56280000	56280000	56290000	313.49	313.49	19.911	0.54800	1.0000	1000	0	0	0
56290000	56290000	56300000	302.74	302.74	19.269	0.54800	1.0000	1000	0	0	0
56300000	56300000	56310000	290.42	290.42	18.541	0.54800	1.0000	1000	0	0	0
56310000	56310000	56320000	276.36	276.36	17.717	0.54800	1.0000	1000	0	0	0
56320000	56320000	56330000	260.49	260.49	16.790	0.54800	1.0000	1000	0	0	0
56330000	56330000	56340000	242.92	242.92	15.764	0.54800	1.0000	1000	0	0	0
56340000	56340000	56350000	224.01	224.01	14.653	0.54800	1.0000	1000	0	0	0

C-56-58 SINGLJUN COMPONENT

57000000	56350000	58010000	204.34	204.34	13.488	0.54800	1.0000	1000	0	0	0
C-58 PIPE COMPONENT											
58010000	58010000	58020000	182.61	182.61	12.161	0.54800	1.0000	1000	0	0	0

56100000	56100000	56110000	382.81	382.81	24.908	0.54800	1.0000	1000	0	0	0
56110000	56110000	56120000	391.36	391.36	24.823	0.54800	1.0000	1000	0	0	0
56120000	56120000	56130000	389.54	389.54	24.712	0.54800	1.0000	1000	0	0	0
56130000	56130000	56140000	387.40	387.40	24.578	0.54800	1.0000	1000	0	0	0
56140000	56140000	56150000	384.97	384.97	24.424	0.54800	1.0000	1000	0	0	0
56150000	56150000	56160000	382.27	382.27	24.249	0.54800	1.0000	1000	0	0	0
56160000	56160000	56170000	379.32	379.32	24.058	0.54800	1.0000	1000	0	0	0
56170000	56170000	56180000	376.13	376.13	23.850	0.54800	1.0000	1000	0	0	0
56180000	56180000	56190000	372.69	372.69	23.625	0.54800	1.0000	1000	0	0	0
56190000	56190000	56200000	369.00	369.00	23.385	0.54800	1.0000	1000	0	0	0
56200000	56200000	56210000	365.02	365.02	23.126	0.54800	1.0000	1000	0	0	0
56210000	56210000	56220000	360.70	360.70	22.847	0.54800	1.0000	1000	0	0	0
56220000	56220000	56230000	355.98	355.98	22.543	0.54800	1.0000	1000	0	0	0
56230000	56230000	56240000	350.76	350.76	22.210	0.54800	1.0000	1000	0	0	0

56240000	56240000	56250000	344.96	344.96	21.843	0.54800	1.0000	1000	0	0	0
56250000	56250000	56260000	338.47	338.47	21.437	0.54800	1.0000	1000	0	0	0
56260000	56260000	56270000	331.17	331.17	20.985	0.54800	1.0000	1000	0	0	0
56270000	56270000	56280000	322.90	322.90	20.479	0.54800	1.0000	1000	0	0	0
56280000	56280000	56290000	313.49	313.49	19.911	0.54800	1.0000	1000	0	0	0
56290000	56290000	56300000	302.74	302.74	19.269	0.54800	1.0000	1000	0	0	0
56300000	56300000	56310000	290.42	290.42	18.541	0.54800	1.0000	1000	0	0	0
56310000	56310000	56320000	276.36	276.36	17.717	0.54800	1.0000	1000	0	0	0
56320000	56320000	56330000	260.49	260.49	16.790	0.54800	1.0000	1000	0	0	0
56330000	56330000	56340000	242.92	242.92	15.764	0.54800	1.0000	1000	0	0	0
56340000	56340000	56350000	224.01	224.01	14.653	0.54800	1.0000	1000	0	0	0
C-56-58 SNGLJUN COMPONENT											
57000000	56350000	78010000	204.34	204.34	13.488	0.54800	1.0000	1000	0	0	0
C-58 PIPE COMPONENT											
58010000	58010000	58020000	182.61	182.61	12.161	0.54800	1.0000	1000	0	0	0
58020000	58020000	58030000	161.29	161.29	10.857	0.54800	1.0000	1000	0	0	0
58030000	58030000	58040000	141.27	141.27	9.6082	0.54800	1.0000	1000	0	0	0
58040000	58040000	58050000	122.89	122.89	8.4367	0.54800	1.0000	1000	0	0	0
58050000	58050000	58060000	106.30	106.30	7.3588	0.54800	1.0000	1000	0	0	0
58060000	58060000	58070000	91.601	91.601	6.3852	0.54800	1.0000	1000	0	0	0
C-58-60 SNGLJUN COMPONENT											
59000000	58070000	60010000	78.697	78.697	5.5160	0.54800	1.0000	1000	0	0	0
C-60 PIPE COMPONENT											
60010000	60010000	60020000	66.142	66.142	4.6537	0.54800	1.0000	1000	0	0	0
60020000	60020000	60030000	54.998	54.998	3.8943	0.54800	1.0000	1000	0	0	0
C-60-62 SNGLJUN COMPONENT											
61000000	60030000	62010000	44.852	44.852	3.3920	0.54800	1.0000	1000	0	0	0
C-62 PIPE COMPONENT											
62010000	62010000	62020000	7.7376	29.949	2.7976	0.54800	1.0000	1000	0	0	0
C-62-64 SNGLJUN COMPONENT											
63000000	62020000	64010000	8.1745	15.789	17.591	0.54800	1.0000	1000	0	0	0
C-64-66 SNGLJUN COMPONENT											
65000000	64010000	66010000	8.0478	9.1593	235.69	0.54800	1.0000	1000	0	0	0
C-66-68 SNGLJUN COMPONENT											
67000000	66010000	68010000	7.6736	7.6736	256.90	0.54800	1.0000	1000	0	0	0
C-69 BRANCH COMPONENT											
69010000	68010000	69010000	7.6657	7.6657	259.12	0.54800	1.0000	1000	0	0	0
69020000	69010000	73010000	10.787	10.787	181.74	0.27300	1.0000	0	0	0	0
69030000	69010000	70010000	2.3047	2.3047	77.945	0.54800	1.0000	1000	0	0	0
C-70 BRANCH COMPONENT											
70010000	70010000	73010000	3.4565	3.4565	58.235	0.27300	1.0000	0	0	0	0
70020000	70010000	71010000	0.59903	0.59903	20.259	0.54800	1.0000	1000	0	0	0
C-71-73 SNGLJUN COMPONENT											
72000000	71010000	73010000	1.1872	1.1872	20.880	0.28500	1.0000	0	0	0	0
C-73-75 SNGLJUN COMPONENT											
74000000	73010000	75010000	7.78069E-02	7.78069E-02	511.85	106.60	1.0000	1000	0	0	0
C-76 PIPE COMPONENT											
76010000	76010000	76020000	668.30	668.30	110.40	0.20100	1.0000	1000	0	0	0
76020000	76020000	76030000	806.94	806.94	111.53	0.20100	1.0000	1000	0	0	0
76030000	76030000	76040000	870.10	870.10	111.60	0.20100	1.0000	1000	0	0	0
C-76-044 SNGLJUN COMPONENT											
77000000	76040000	44010000	902.67	902.67	111.08	0.20100	1.0000	100	0	1	499
C178-76 VALVE COMPONENT											
78000000	178010000	76010000	919.99	1039.0	108.98	1.70000E-02	1.0000	100	1	190	905
C-81-79 SNGLJUN COMPONENT											
80000000	81010000	79010000	84.708	84.708	110.82	0.14700	1.0000	1000	0	0	0
C-83-81 SNGLJUN COMPONENT											
82000000	83020000	81010000	84.547	84.547	110.86	0.14700	1.0000	1000	0	0	0
C-83 PIPE COMPONENT											
83010000	83010000	83020000	2.57179E-03	2.57179E-03	3.34514E-03	0.14700	1.0000	1000	0	0	0

C-85-83 SNGLJUN COMPONENT											
84000000	83020000	85010000	-84.508	-84.508	-110.90	0.14700	1.0000	1000	0	0	0
C-85 PIPE COMPONENT											
85010000	85010000	85020000	-2.81777E-03	-2.81777E-03	-3.66563E-03	0.14700	1.0000	1000	0	0	0
C-87-85 SNGLJUN COMPONENT											
86000000	87010000	85010000	84.658	84.658	110.94	0.14700	1.0000	1000	0	0	0
C-89-87 SNGLJUN COMPONENT											
88000000	89010000	87010000	84.614	84.614	110.98	0.14700	1.0000	1000	0	0	0
C-91-89 SNGLJUN COMPONENT											
90000000	91030000	89010000	84.611	84.611	111.04	0.14700	1.0000	1000	0	0	0
C-91 PIPE COMPONENT											
91010000	91010000	91020000	84.625	84.625	111.22	0.14700	1.0000	1000	0	0	0
91020000	91020000	91030000	84.614	84.614	111.13	0.14700	1.0000	1000	0	0	0
C-01-91 SNGLJUN COMPONENT											
92000000	1010000	91010000	84.356	84.356	111.34	0.14700	1.0000	1000	0	0	0

76010000	76010000	76020000	868.30	668.30	110.40	0.20100	1.0000	1000	0	0	0
76020000	76020000	76030000	806.94	806.94	111.53	0.20100	1.0000	1000	0	0	0
76030000	76030000	76040000	870.10	870.10	111.60	0.20100	1.0000	1000	0	0	0
C-76-044 SNGLJUN COMPONENT											
77000000	76040000	44010000	902.67	902.67	111.08	0.20100	1.0000	100	0	1	499
C178-76 VALVE COMPONENT											
78000000	178010000	76010000	919.99	1039.0	108.98	1.70000E-02	1.0000	100	1	190	905
C-81-79 SNGLJUN COMPONENT											
80000000	81010000	79010000	84.708	84.708	110.82	0.14700	1.0000	1000	0	0	0
C-83-81 SNGLJUN COMPONENT											
82000000	83020000	81010000	84.547	84.547	110.86	0.14700	1.0000	1000	0	0	0
C-83 PIPE COMPONENT											
83010000	83010000	83020000	2.57179E-03	2.57179E-03	3.34514E-03	0.14700	1.0000	1000	0	0	0

C-85-83 SNGLJUN COMPONENT											
84000000	83020000	85010000	-84.508	-84.508	-110.90	0.14700	1.0000	1000	0	0	0
C-85 PIPE COMPONENT											
85010000	85010000	85020000	-2.81777E-03	-2.81777E-03	-3.66563E-03	0.14700	1.0000	1000	0	0	0
C-87-85 SNGLJUN COMPONENT											
86000000	87010000	85010000	84.658	84.658	110.94	0.14700	1.0000	1000	0	0	0
C-89-87 SNGLJUN COMPONENT											
88000000	89010000	87010000	84.614	84.614	110.98	0.14700	1.0000	1000	0	0	0
C-91-89 SNGLJUN COMPONENT											
90000000	91030000	89010000	84.611	84.611	111.04	0.14700	1.0000	1000	0	0	0
C-91 PIPE COMPONENT											
91010000	91010000	91020000	84.625	84.625	111.22	0.14700	1.0000	1000	0	0	0
91020000	91020000	91030000	84.614	84.614	111.13	0.14700	1.0000	1000	0	0	0
C-01-91 SNGLJUN COMPONENT											
92000000	1010000	91010000	84.356	84.356	111.34	0.14700	1.0000	0	0	0	0
RD VALVE COMPONENT											
94000000	95010000	93010000	946.04	946.04	96.410	0.20100	0.81094	100	1	190	766
PR-2A VALVE COMPONENT											
98000000	198010000	36010000	1043.3	1043.7	112.45	1.70000E-02	1.0000	100	1	190	905
C-100 SNGLJUN COMPONENT											
100000000	101010000	99010000	84.766	84.766	110.69	0.14700	1.0000	1000	0	0	0
C1-103 SNGLJUN COMPONENT											
102000000	103020000	101010000	84.702	84.702	110.69	0.14700	1.0000	1000	0	0	0
C-103 PIPE COMPONENT											
103010000	103010000	103020000	84.675	84.675	110.71	0.14700	1.0000	1000	0	0	0
C5-103 SNGLJUN COMPONENT											
104000000	105020000	103010000	84.617	84.617	110.73	0.14700	1.0000	1000	0	0	0
C-105 PIPE COMPONENT											
105010000	105010000	105020000	84.586	84.586	110.77	0.14700	1.0000	1000	0	0	0
C7-105 SNGLJUN COMPONENT											
106000000	107010000	105010000	84.567	84.567	110.82	0.14700	1.0000	1000	0	0	0
C9-107 SNGLJUN COMPONENT											
108000000	109010000	107010000	84.520	84.520	110.86	0.14700	1.0000	1000	0	0	0
C11-109 SNGLJUN COMPONENT											
110000000	111030000	109010000	84.516	84.516	110.91	0.14700	1.0000	1000	0	0	0
C-111 PIPE COMPONENT											
111010000	111010000	111020000	84.536	84.536	111.11	0.14700	1.0000	1000	0	0	0
111020000	111020000	111030000	84.522	84.522	111.00	0.14700	1.0000	1000	0	0	0
C13-111 SNGLJUN COMPONENT											
112000000	113010000	111010000	84.268	84.268	111.22	0.14700	1.0000	0	0	0	0
C-114 PIPE COMPONENT											
114010000	114010000	114020000	77.854	42.836	143.43	0.54800	1.0000	1000	0	0	0
114020000	114020000	114030000	73.276	40.515	194.47	0.54800	1.0000	1000	0	0	0
C-119 SNGLJUN COMPONENT											
119000000	36030000	136010000	952.45	952.45	109.30	0.20100	1.0000	1000	0	0	0
C-120 SNGLJUN COMPONENT											
120000000	136010000	97010000	1037.4	1037.4	108.45	0.20100	1.0000	100	0	146	683
C-121 SNGLJUN COMPONENT											
121000000	97010000	96010000	107.77	107.77	10.674	0.20100	1.0000	100	0	0	3
C-122 SNGLJUN COMPONENT											
122000000	97010000	95010000	978.18	978.18	96.883	0.20100	0.92039	100	0	0	9
C-123 SNGLJUN COMPONENT											
123000000	114030000	48010000	22.232	30.017	294.14	0.54800	0.25000	100	1	190	711
RD VALVE COMPONENT											
194000000	195020000	193010000	730.66	730.80	155.19	0.18800	0.86702	100	1	102	504
C-195 PIPE COMPONENT											
195010000	195010000	195020000	583.13	652.92	136.34	0.18800	1.0000	0	0	100	209
C-44-195 SNGLJUN COMPONENT											
196000000	44010000	195010000	466.60	608.32	136.05	0.20100	1.0000	100	0	0	0
V-INLET SNGLJUN COMPONENT											

278000000	79010000	178010000	732.00	732.00	110.68	1.70000E-02	1.0000	100	0	0	0
V-INLET SNGLJUN COMPONENT											
298000000	99010000	198010000	733.82	733.82	110.76	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	53.381	0.61446	HRT	TCT	1.597E+17	0.997	0.941	0.941	0.000	0.00	0.00
36020000	54.103	0.48934	HRT	TCT	1.646E+17	0.997	0.470	0.470	0.000	0.00	0.00
37000000	53.888	0.50362	HRT	MST	1.638E+17	0.997	0.563	0.563	0.000	0.00	0.00
38010000	53.858	0.50792	HRT	STR	1.171E+07	0.997	1.00	1.00	0.000	0.00	0.00
38020000	53.850	0.50901	HRT	STR	1.102E+07	0.997	1.00	1.00	0.000	0.00	0.00
38030000	53.841	0.51028	HRT	STR	8.850E+06	0.997	1.00	1.00	0.000	0.00	0.00
38040000	53.821	0.51306	HRT	STR	6.751E+06	0.997	1.00	1.00	8.629E-06	0.00	0.00
38050000	53.814	0.51462	HRT	STR	4.312E+06	0.997	1.00	1.00	1.191E-03	0.00	0.00
38060000	53.904	0.52457	HRT	STR	1.268E+06	0.997	1.00	1.00	4.283E-02	0.00	0.00

C-121	SNGLJUN	COMPONENT										
121000000	97010000	96010000	107.77	107.77	10.674	0.20100	1.0000	100	0	0	3	
C-122	SNGLJUN	COMPONENT										
122000000	97010000	95010000	978.18	978.18	96.883	0.20100	0.92039	100	0	0	9	
C-123	SNGLJUN	COMPONENT										
123000000	114030000	48010000	22.232	30.017	294.14	0.54800	0.25000	100	1	190	711	
RD	VALVE	COMPONENT										
194000000	195020000	193010000	730.66	730.80	155.19	0.18800	0.86702	100	1	102	504	
C-195	PIPE	COMPONENT										
195010000	195010000	195020000	583.13	652.92	136.34	0.18800	1.0000	0	0	100	209	
C-44-195	SNGLJUN	COMPONENT										
196000000	44010000	195010000	466.60	608.32	136.05	0.20100	1.0000	100	0	0	0	
V-INLET	SNGLJUN	COMPONENT										

278000000	79010000	178010000	732.00	732.00	110.68	1.70000E-02	1.0000	100	0	0	0
V-INLET	SNGLJUN	COMPONENT									
298000000	99010000	198010000	733.82	733.82	110.76	1.70000E-02	1.0000	100	0	0	0

JUN.NO.	RHOJFJ (LB/FT3)	RHOGJ (LB/FT3)	MAP	REG	FIJ (LB.S/FT4)	VOIDGJ	VOIDD	VOIDT	CCAJ	FORMFJ	FORMGJ
36010000	53.381	0.61446	HRT	TCT	1.597E+17	0.997	0.941	0.941	0.000	0.00	0.00
36020000	54.103	0.48934	HRT	TCT	1.646E+17	0.997	0.470	0.470	0.000	0.00	0.00
37000000	53.888	0.50362	HRT	MST	1.638E+17	0.997	0.563	0.563	0.000	0.00	0.00
38010000	53.858	0.50792	HRT	STR	1.171E+07	0.997	1.00	1.00	0.000	0.00	0.00
38020000	53.850	0.50901	HRT	STR	1.102E+07	0.997	1.00	1.00	0.000	0.00	0.00
38030000	53.841	0.51028	HRT	STR	8.850E+06	0.997	1.00	1.00	0.000	0.00	0.00
38040000	53.821	0.51306	HRT	STR	6.751E+06	0.997	1.00	1.00	8.629E-06	0.00	0.00
38050000	53.814	0.51462	HRT	STR	4.312E+06	0.997	1.00	1.00	1.191E-03	0.00	0.00
38060000	53.904	0.52457	HRT	STR	1.268E+06	0.991	1.00	1.00	4.283E-02	0.00	0.00
39000000	53.864	0.50697	HRT	STR	4.616E+15	0.997	1.00	1.00	0.000	0.00	0.00
41000000	53.904	0.57346	HRT	TSM	1.87	0.877	1.00	1.00	0.274	0.00	0.00
43000000	54.667	0.49872	HRT	TSM	4.75	0.889	0.889	0.889	1.687E-06	0.32	0.40
45000000	54.058	0.49872	HRT	MST	6.54	0.985	0.986	0.985	1.687E-06	0.36	0.40
46010000	53.435	0.57303	HRT	MST	2.45	0.985	0.631	0.631	3.746E-03	0.00	0.00
46020000	53.436	0.57761	HRT	MST	4.83	0.977	1.00	1.00	1.524E-02	0.00	0.00
47000000	53.450	0.58312	HRT	MST	5.19	0.964	1.00	1.00	2.728E-02	0.00	0.00
48010000	56.297	0.23548	HRT	TCT	19.3	0.928	1.00	1.00	2.189E-02	0.00	0.00
48020000	56.568	0.21351	HRT	TCT	16.7	0.948	1.00	1.00	2.016E-02	0.00	0.00
48030000	56.733	0.19984	HRT	TCT	9.97	0.954	1.00	1.00	1.918E-02	0.00	0.00
48040000	56.837	0.19149	HRT	CTM	7.85	0.957	1.00	1.00	1.859E-02	0.00	0.00
48050000	56.917	0.18524	HRT	CTM	6.33	0.959	1.00	1.00	1.818E-02	0.00	0.00
48060000	56.980	0.18039	HRT	CTM	5.23	0.960	1.00	1.00	1.790E-02	0.00	0.00
48070000	57.031	0.17655	HRT	CTM	4.29	0.961	1.00	1.00	1.773E-02	0.00	0.00
48080000	57.071	0.17360	HRT	CTM	4.16	0.961	1.00	1.00	1.767E-02	0.00	0.00
49000000	57.107	0.17095	HRT	CTM	4.86	0.959	1.00	1.00	1.770E-02	0.00	0.00
50010000	57.171	0.16633	VRT	CTM	4.82	0.960	1.00	1.00	1.756E-02	0.00	0.00
50020000	57.224	0.16254	VRT	CTM	3.98	0.962	1.00	1.00	1.757E-02	0.00	0.00
50030000	57.265	0.15963	VRT	CTM	3.12	0.963	1.00	1.00	1.769E-02	0.00	0.00
50040000	57.297	0.15759	VRT	CTM	2.26	0.964	1.00	1.00	1.789E-02	0.00	0.00
51000000	57.318	0.15639	VRT	CTM	2.97	0.966	1.00	1.00	1.817E-02	0.00	0.00
53000000	57.340	0.15504	HRT	TCT	5.22	0.961	1.00	1.00	1.848E-02	0.00	0.00
54010000	57.442	0.14764	VRT	TCT	5.26	0.967	1.00	1.00	1.813E-02	0.00	0.00
54020000	57.523	0.14236	VRT	TCT	3.51	0.971	1.00	1.00	1.809E-02	0.00	0.00
54030000	57.571	0.13928	VRT	TCT	1.77	0.975	1.00	1.00	1.819E-02	0.00	0.00
54040000	57.591	0.13824	VRT	TCT	2.889E+12	0.982	1.00	1.00	1.833E-02	0.00	0.00
54050000	57.777	0.12642	VRT	MST	5.247E+13	0.985	1.00	1.00	1.778E-02	0.00	0.00
54060000	57.891	0.11967	VRT	MST	4.394E+14	0.987	1.00	1.00	1.760E-02	0.00	0.00
54070000	57.956	0.11589	VRT	MST	2.617E+15	0.989	1.00	1.00	1.762E-02	0.00	0.00
54080000	57.994	0.11377	VRT	MST	1.217E+16	0.990	1.00	1.00	1.774E-02	0.00	0.00
54090000	58.018	0.11247	VRT	MST	1.726E+16	0.990	1.00	1.00	1.790E-02	0.00	0.00
54100000	58.034	0.11155	VRT	MST	1.539E+16	0.990	1.00	1.00	1.804E-02	0.00	0.00
54110000	58.048	0.11081	VRT	MST	9.282E+15	0.990	1.00	1.00	1.818E-02	0.00	0.00
54120000	58.060	0.11017	VRT	MST	2.468E+15	0.990	1.00	1.00	1.829E-02	0.00	0.00
54130000	58.070	0.10963	VRT	MST	3.393E+10	0.990	1.00	1.00	1.840E-02	0.00	0.00
54140000	58.079	0.10915	VRT	MST	4.230E+11	0.989	1.00	1.00	1.851E-02	0.00	0.00
54150000	58.087	0.10870	VRT	MST	2.076E+12	0.989	1.00	1.00	1.863E-02	0.00	0.00
54160000	58.096	0.10823	VRT	MST	8.842E+12	0.989	1.00	1.00	1.877E-02	0.00	0.00
54170000	58.105	0.10770	VRT	MST	3.573E+13	0.989	1.00	1.00	1.891E-02	0.00	0.00
54180000	58.117	0.10709	VRT	MST	1.394E+14	0.989	1.00	1.00	1.906E-02	0.00	0.00
54190000	58.130	0.10640	VRT	MST	5.295E+14	0.989	1.00	1.00	1.922E-02	0.00	0.00
54200000	58.145	0.10565	VRT	MST	1.970E+15	0.989	1.00	1.00	1.939E-02	0.00	0.00
54210000	58.160	0.10485	VRT	MST	5.686E+15	0.990	1.00	1.00	1.956E-02	0.00	0.00
54220000	58.175	0.10405	VRT	MST	8.683E+15	0.990	1.00	1.00	1.974E-02	0.00	0.00
54230000	58.190	0.10326	VRT	MST	1.059E+16	0.990	1.00	1.00	1.993E-02	0.00	0.00

54240000	58.205	0.10250	VRT	MST	1.163E+16	0.990	1.00	1.00	2.012E-02	0.00	0.00
54250000	58.219	0.10180	VRT	MST	1.219E+16	0.990	1.00	1.00	2.033E-02	0.00	0.00
54260000	58.231	0.10116	VRT	MST	1.279E+16	0.990	1.00	1.00	2.055E-02	0.00	0.00
54270000	58.243	0.10058	VRT	MST	1.396E+16	0.990	1.00	1.00	2.077E-02	0.00	0.00
54280000	58.253	0.10007	VRT	MST	1.623E+16	0.990	1.00	1.00	2.100E-02	0.00	0.00
54290000	58.262	9.96059E-02	VRT	MST	1.999E+16	0.990	1.00	1.00	2.120E-02	0.00	0.00
54300000	58.271	9.91649E-02	VRT	MST	2.549E+16	0.990	1.00	1.00	2.138E-02	0.00	0.00
54310000	58.280	9.87326E-02	VRT	MST	3.278E+16	0.991	1.00	1.00	2.149E-02	0.00	0.00
54320000	58.288	9.82920E-02	VRT	MST	4.174E+16	0.991	1.00	1.00	2.154E-02	0.00	0.00
54330000	58.297	9.78417E-02	VRT	MST	5.201E+16	0.992	1.00	1.00	2.148E-02	0.00	0.00
54340000	58.306	9.73836E-02	VRT	MST	6.308E+16	0.992	1.00	1.00	2.130E-02	0.00	0.00
54350000	58.314	9.69309E-02	VRT	MST	7.412E+16	0.993	1.00	1.00	2.099E-02	0.00	0.00
54360000	58.322	9.64961E-02	VRT	MST	8.373E+16	0.993	1.00	1.00	2.054E-02	0.00	0.00
54370000	58.329	9.60826E-02	VRT	MST	8.899E+16	0.993	1.00	1.00	1.994E-02	0.00	0.00
54380000	58.335	9.56679E-02	VRT	MST	8.352E+16	0.994	1.00	1.00	1.921E-02	0.00	0.00
54390000	58.344	9.51225E-02	VRT	MST	8.506E+16	0.994	1.00	1.00	1.852E-02	0.00	0.00

54100000	58.034	0.11155	VRT	MST	1.539E+16	0.999	1.00	1.00	1.804E-02	0.00	0.00
54110000	58.048	0.11081	VRT	MST	9.282E+15	0.999	1.00	1.00	1.818E-02	0.00	0.00
54120000	58.060	0.11017	VRT	MST	2.468E+15	0.996	1.00	1.00	1.829E-02	0.00	0.00
54130000	58.070	0.10963	VRT	MST	3.393E+10	0.990	1.00	1.00	1.840E-02	0.00	0.00
54140000	58.079	0.10915	VRT	MST	4.230E+11	0.989	1.00	1.00	1.851E-02	0.00	0.00
54150000	58.087	0.10870	VRT	MST	2.076E+12	0.989	1.00	1.00	1.863E-02	0.00	0.00
54160000	58.096	0.10823	VRT	MST	8.842E+12	0.989	1.00	1.00	1.877E-02	0.00	0.00
54170000	58.105	0.10770	VRT	MST	3.573E+13	0.989	1.00	1.00	1.891E-02	0.00	0.00
54180000	58.117	0.10709	VRT	MST	1.394E+14	0.989	1.00	1.00	1.906E-02	0.00	0.00
54190000	58.130	0.10640	VRT	MST	5.295E+14	0.989	1.00	1.00	1.922E-02	0.00	0.00
54200000	58.145	0.10565	VRT	MST	1.970E+15	0.989	1.00	1.00	1.939E-02	0.00	0.00
54210000	58.160	0.10485	VRT	MST	5.686E+15	0.990	1.00	1.00	1.956E-02	0.00	0.00
54220000	58.175	0.10405	VRT	MST	8.683E+15	0.990	1.00	1.00	1.974E-02	0.00	0.00
54230000	58.190	0.10326	VRT	MST	1.059E+16	0.990	1.00	1.00	1.993E-02	0.00	0.00

54240000	58.205	0.10250	VRT	MST	1.163E+16	0.990	1.00	1.00	2.012E-02	0.00	0.00
54250000	58.219	0.10180	VRT	MST	1.219E+16	0.990	1.00	1.00	2.033E-02	0.00	0.00
54260000	58.231	0.10116	VRT	MST	1.279E+16	0.990	1.00	1.00	2.055E-02	0.00	0.00
54270000	58.243	0.10058	VRT	MST	1.396E+16	0.990	1.00	1.00	2.077E-02	0.00	0.00
54280000	58.253	0.10007	VRT	MST	1.623E+16	0.990	1.00	1.00	2.100E-02	0.00	0.00
54290000	58.262	9.96059E-02	VRT	MST	1.999E+16	0.990	1.00	1.00	2.120E-02	0.00	0.00
54300000	58.271	9.91649E-02	VRT	MST	2.549E+16	0.990	1.00	1.00	2.138E-02	0.00	0.00
54310000	58.280	9.87326E-02	VRT	MST	3.278E+16	0.991	1.00	1.00	2.149E-02	0.00	0.00
54320000	58.288	9.82920E-02	VRT	MST	4.174E+16	0.991	1.00	1.00	2.154E-02	0.00	0.00
54330000	58.297	9.78417E-02	VRT	MST	5.201E+16	0.992	1.00	1.00	2.148E-02	0.00	0.00
54340000	58.306	9.73836E-02	VRT	MST	6.308E+16	0.992	1.00	1.00	2.130E-02	0.00	0.00
54350000	58.314	9.69309E-02	VRT	MST	7.412E+16	0.993	1.00	1.00	2.099E-02	0.00	0.00
54360000	58.322	9.64961E-02	VRT	MST	8.573E+16	0.993	1.00	1.00	2.054E-02	0.00	0.00
54370000	58.329	9.60826E-02	VRT	MST	8.899E+16	0.993	1.00	1.00	1.994E-02	0.00	0.00
54380000	58.335	9.56679E-02	VRT	MST	8.352E+16	0.994	1.00	1.00	1.921E-02	0.00	0.00
54390000	58.344	9.51225E-02	VRT	MST	5.506E+16	0.994	1.00	1.00	1.837E-02	0.00	0.00
54400000	58.364	9.40508E-02	VRT	MST	7.301E+15	0.992	1.00	1.00	1.745E-02	0.00	0.00
54410000	58.370	9.36822E-02	VRT	MST	0.137	0.989	1.00	1.00	1.651E-02	0.00	0.00
54420000	58.376	9.33439E-02	VRT	TCT	0.296	0.984	1.00	1.00	1.558E-02	0.00	0.00
54430000	58.383	9.29158E-02	VRT	CTM	0.552	0.977	1.00	1.00	1.473E-02	0.00	0.00
54440000	58.393	9.23336E-02	VRT	CTM	0.872	0.970	1.00	1.00	1.406E-02	0.00	0.00
54450000	58.409	9.15270E-02	VRT	CTM	1.20	0.962	1.00	1.00	1.364E-02	0.00	0.00
54460000	58.431	9.04694E-02	VRT	CTM	1.49	0.954	1.00	1.00	1.358E-02	0.00	0.00
54470000	58.458	8.91877E-02	VRT	CTM	1.71	0.946	1.00	1.00	1.401E-02	0.00	0.00
54480000	58.489	8.77783E-02	VRT	CTM	1.85	0.940	1.00	1.00	1.505E-02	0.00	0.00
54490000	58.525	8.62325E-02	VRT	CTM	1.91	0.934	1.00	1.00	1.681E-02	0.00	0.00
54500000	58.563	8.46547E-02	VRT	CTM	1.92	0.931	1.00	1.00	1.937E-02	0.00	0.00
54510000	58.602	8.31222E-02	VRT	CTM	1.85	0.930	1.00	1.00	2.282E-02	0.00	0.00
54520000	58.641	8.16993E-02	VRT	CTM	1.72	0.931	1.00	1.00	2.724E-02	0.00	0.00
54530000	58.678	8.04566E-02	VRT	CTM	1.52	0.933	1.00	1.00	3.274E-02	0.00	0.00
54540000	58.712	7.94716E-02	VRT	CTM	1.26	0.937	1.00	1.00	3.954E-02	0.00	0.00
54550000	58.743	7.88137E-02	VRT	CTM	0.963	0.942	1.00	1.00	4.796E-02	0.00	0.00
54560000	58.769	7.85171E-02	VRT	CTM	0.673	0.947	1.00	1.00	5.838E-02	0.00	0.00
54570000	58.792	7.85601E-02	VRT	CTM	0.428	0.953	1.00	1.00	7.115E-02	0.00	0.00
54580000	58.814	7.88776E-02	VRT	CTM	0.254	0.959	1.00	1.00	8.648E-02	0.00	0.00
54590000	58.837	7.93937E-02	VRT	CTM	0.155	0.964	1.00	1.00	0.104	0.00	0.00
54600000	58.862	8.00560E-02	VRT	CTM	0.107	0.969	1.00	1.00	0.125	0.00	0.00
54610000	58.892	8.08520E-02	VRT	TCT	7.619E-02	0.973	1.00	1.00	0.148	0.00	0.00
54620000	58.925	8.17931E-02	VRT	TCT	4.801E-02	0.977	1.00	1.00	0.175	0.00	0.00
54630000	58.964	8.28962E-02	VRT	TCT	3.889E-02	0.979	1.00	1.00	0.204	0.00	0.00
54640000	59.009	8.41847E-02	VRT	TCT	0.390	0.980	1.00	1.00	0.238	0.00	0.00
54650000	59.063	8.57134E-02	VRT	TCT	15.7	0.980	1.00	1.00	0.276	0.00	0.00
54660000	59.113	8.86300E-02	VRT	TCT	688.	0.979	1.00	1.00	0.320	0.00	0.00
54670000	59.166	9.25824E-02	VRT	TCT	3.158E+04	0.978	1.00	1.00	0.370	0.00	0.00
54680000	59.233	9.64619E-02	VRT	TCT	1.422E+06	0.977	1.00	1.00	0.420	0.00	0.00
54690000	59.313	0.10002	VRT	TCT	6.740E+07	0.978	1.00	1.00	0.469	0.00	0.00
54700000	59.403	0.10324	VRT	TCT	2.990E+09	0.979	1.00	1.00	0.515	0.00	0.00
54710000	59.499	0.10617	VRT	TCT	1.435E+11	0.980	1.00	1.00	0.559	0.00	0.00
54720000	59.601	0.10891	VRT	TCT	2.705E+12	0.981	1.00	1.00	0.599	0.00	0.00
54730000	59.706	0.11151	VRT	TCT	2.115E+13	0.983	1.00	1.00	0.637	0.00	0.00
54740000	59.813	0.11401	VRT	MST	1.479E+14	0.985	1.00	1.00	0.671	0.00	0.00
54750000	59.922	0.11643	VRT	MST	1.003E+15	0.987	1.00	1.00	0.703	0.00	0.00
54760000	60.031	0.11878	VRT	MST	6.647E+15	0.988	1.00	1.00	0.732	0.00	0.00
54770000	60.140	0.12105	VRT	MST	3.374E+16	0.990	1.00	1.00	0.759	0.00	0.00
54780000	60.247	0.12322	VRT	MST	6.336E+16	0.991	1.00	1.00	0.783	0.00	0.00
54790000	60.351	0.12527	VRT	MST	8.996E+16	0.993	1.00	1.00	0.805	0.00	0.00
54800000	60.452	0.12721	VRT	MST	1.135E+17	0.994	1.00	1.00	0.824	0.00	0.00
54810000	60.549	0.12900	VRT	MST	1.339E+17	0.995	1.00	1.00	0.841	0.00	0.00
54820000	60.641	0.13064	VRT	MST	1.513E+17	0.996	1.00	1.00	0.856	0.00	0.00
54830000	60.727	0.13210	VRT	MST	1.658E+17	0.997	1.00	1.00	0.869	0.00	0.00

54840000	60.805	0.13342	VRT	MST	1.777E+17	0.997	1.00	1.00	0.880	0.00	0.00
54850000	60.871	0.13457	VRT	MST	1.872E+17	0.998	1.00	1.00	0.889	0.00	0.00
54860000	60.929	0.13552	VRT	MST	1.933E+17	0.998	1.00	1.00	0.897	0.00	0.00
54870000	60.978	0.13630	SGP	INV	1.940E+17	0.999	1.00	1.00	0.902	0.00	0.00
54880000	61.017	0.13690	SGP	INV	1.940E+17	0.999	1.00	1.00	0.907	0.00	0.00
54890000	61.048	0.13731	SGP	INV	1.940E+17	0.999	1.00	1.00	0.910	0.00	0.00
54900000	61.070	0.13758	SGP	INV	1.940E+17	0.999	1.00	1.00	0.913	0.00	0.00
54910000	61.084	0.13780	SGP	INV	1.940E+17	0.999	1.00	1.00	0.914	0.00	0.00
54920000	61.087	0.13803	SGP	INV	1.940E+17	0.999	1.00	1.00	0.915	0.00	0.00
54930000	61.067	0.13975	SGP	INV	1.940E+17	1.00	1.00	1.00	0.913	0.00	0.00
54940000	61.139	0.13496	SGP	INV	1.940E+17	1.00	1.00	1.00	0.921	0.00	0.00
55000000	61.250	0.12710	SGP	INV	1.940E+17	1.00	1.00	1.00	0.931	0.00	0.00
56010000	61.358	0.11998	SGP	INV	1.940E+17	1.00	1.00	1.00	0.940	0.00	0.00
56020000	61.408	0.11722	SGP	INV	1.940E+17	1.00	1.00	1.00	0.944	0.00	0.00
56030000	61.411	0.11613	SGP	INV	1.940E+17	1.00	1.00	1.00	0.944	0.00	0.00

54700000	59.403	0.10324	VRT	TCT	2.990E+09	0.977	1.00	1.00	0.515	0.00	0.00
54710000	59.499	0.10617	VRT	TCT	1.435E+11	0.988	1.00	1.00	0.559	0.00	0.00
54720000	59.601	0.10891	VRT	TCT	2.705E+12	0.981	1.00	1.00	0.599	0.00	0.00
54730000	59.706	0.11151	VRT	TCT	2.115E+13	0.983	1.00	1.00	0.637	0.00	0.00
54740000	59.813	0.11401	VRT	MST	1.479E+14	0.985	1.00	1.00	0.671	0.00	0.00
54750000	59.922	0.11643	VRT	MST	1.003E+15	0.987	1.00	1.00	0.703	0.00	0.00
54760000	60.031	0.11878	VRT	MST	6.647E+15	0.988	1.00	1.00	0.732	0.00	0.00
54770000	60.140	0.12105	VRT	MST	3.374E+16	0.990	1.00	1.00	0.759	0.00	0.00
54780000	60.247	0.12322	VRT	MST	6.336E+16	0.991	1.00	1.00	0.783	0.00	0.00
54790000	60.351	0.12527	VRT	MST	8.996E+16	0.993	1.00	1.00	0.805	0.00	0.00
54800000	60.452	0.12721	VRT	MST	1.135E+17	0.994	1.00	1.00	0.824	0.00	0.00
54810000	60.549	0.12900	VRT	MST	1.339E+17	0.995	1.00	1.00	0.841	0.00	0.00
54820000	60.641	0.13064	VRT	MST	1.513E+17	0.996	1.00	1.00	0.856	0.00	0.00
54830000	60.727	0.13210	VRT	MST	1.658E+17	0.997	1.00	1.00	0.869	0.00	0.00

54840000	60.805	0.13342	VRT	MST	1.777E+17	0.997	1.00	1.00	0.880	0.00	0.00
54850000	60.871	0.13457	VRT	MST	1.872E+17	0.998	1.00	1.00	0.889	0.00	0.00
54860000	60.929	0.13552	VRT	MST	1.933E+17	0.998	1.00	1.00	0.897	0.00	0.00
54870000	60.978	0.13630	SGP	INV	1.940E+17	0.999	1.00	1.00	0.902	0.00	0.00
54880000	61.017	0.13690	SGP	INV	1.940E+17	0.999	1.00	1.00	0.907	0.00	0.00
54890000	61.048	0.13731	SGP	INV	1.940E+17	0.999	1.00	1.00	0.910	0.00	0.00
54900000	61.070	0.13758	SGP	INV	1.940E+17	0.999	1.00	1.00	0.913	0.00	0.00
54910000	61.084	0.13780	SGP	INV	1.940E+17	0.999	1.00	1.00	0.914	0.00	0.00
54920000	61.087	0.13803	SGP	INV	1.940E+17	0.999	1.00	1.00	0.915	0.00	0.00
54930000	61.067	0.13975	SGP	INV	1.940E+17	1.00	1.00	1.00	0.913	0.00	0.00
54940000	61.139	0.13496	SGP	INV	1.940E+17	1.00	1.00	1.00	0.921	0.00	0.00
55000000	61.250	0.12710	SGP	INV	1.940E+17	1.00	1.00	1.00	0.931	0.00	0.00
56010000	61.358	0.11998	SGP	INV	1.940E+17	1.00	1.00	1.00	0.940	0.00	0.00
56020000	61.402	0.11722	SGP	INV	1.940E+17	1.00	1.00	1.00	0.944	0.00	0.00
56030000	61.431	0.11613	SGP	INV	1.940E+17	1.00	1.00	1.00	0.946	0.00	0.00
56040000	61.441	0.11566	SGP	INV	1.940E+17	1.00	1.00	1.00	0.947	0.00	0.00
56050000	61.445	0.11547	SGP	INV	1.940E+17	1.00	1.00	1.00	0.947	0.00	0.00
56060000	61.447	0.11545	SGP	INV	1.940E+17	1.00	1.00	1.00	0.947	0.00	0.00
56070000	61.447	0.11550	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56080000	61.447	0.11558	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56090000	61.447	0.11565	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56100000	61.447	0.11571	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56110000	61.447	0.11574	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56120000	61.447	0.11576	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56130000	61.447	0.11577	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56140000	61.448	0.11577	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56150000	61.448	0.11575	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56160000	61.449	0.11573	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56170000	61.449	0.11570	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56180000	61.449	0.11567	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56190000	61.450	0.11564	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56200000	61.450	0.11561	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56210000	61.451	0.11558	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56220000	61.451	0.11556	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56230000	61.451	0.11554	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56240000	61.451	0.11555	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56250000	61.451	0.11557	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56260000	61.451	0.11563	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56270000	61.451	0.11573	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56280000	61.450	0.11589	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56290000	61.448	0.11614	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56300000	61.445	0.11650	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56310000	61.442	0.11698	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56320000	61.437	0.11761	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56330000	61.431	0.11841	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56340000	61.424	0.11936	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
57000000	61.416	0.12045	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58010000	61.407	0.12152	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58020000	61.397	0.12283	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58030000	61.387	0.12410	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58040000	61.378	0.12528	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58050000	61.370	0.12632	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58060000	61.363	0.12720	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
59000000	61.357	0.12790	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
60010000	61.353	0.12839	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
60020000	61.343	0.12921	SGP	INV	1.940E+17	1.00	1.00	1.00	0.947	0.00	0.00
61000000	61.214	0.13800	SGP	INV	1.940E+17	1.00	1.00	1.00	0.937	0.00	0.00
62010000	61.077	0.15782	VRT	MST	0.147	0.999	1.00	1.00	0.924	0.00	0.00
63000000	61.674	0.17088	VRT	SLG	14.9	0.941	0.377	0.377	0.968	0.00	0.00
65000000	61.718	0.16785	HRT	TCT	30.4	0.134	0.000	0.000	0.964	0.00	0.00

67000000	61.718	0.14643	HRT	TCT	1.022E+17	1.017E-02	0.000	0.000	0.958	0.00	0.00
69010000	61.717	0.12308	SGP	INV	1.940E+17	5.557E-04	0.000	0.000	0.954	0.00	0.00
69020000	61.715	8.14985E-02	SGP	INV	1.940E+17	9.515E-06	0.000	0.000	0.950	0.00	0.00
69030000	61.715	8.14985E-02	SGP	INV	1.940E+17	9.515E-06	0.000	0.000	0.950	0.00	0.00
70010000	61.714	3.49177E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00
70020000	61.714	3.49177E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00
72000000	61.714	3.22318E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00
74000000	61.714	4.82478E-02	VRT	SLG	4.482E+10	3.550E-05	0.249	0.249	0.922	0.00	0.00
76010000	53.096	0.66235	HRT	TCT	1.546E+17	0.997	0.941	0.941	0.000	0.00	0.00
76020000	53.768	0.54686	HRT	TCT	1.590E+17	0.997	0.470	0.470	0.000	0.00	0.00
76030000	54.009	0.49944	HRT	TCT	1.603E+17	0.997	0.000	0.000	0.000	0.00	0.00
77000000	54.132	0.47712	HRT	CTM	9.499E+14	0.997	0.997	0.997	0.000	0.00	0.00
78000000	38.899	5.3568	HRT	CTM	0.340	0.972	0.996	0.972	0.000	0.12	0.84
80000000	33.107	8.8996	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00



58010000	61.407	0.12152	SGP	INV	1.940E+17	1.00	1.00	1.00	1.00	0.948	0.00	0.00
58020000	61.397	0.12283	SGP	INV	1.940E+17	1.00	1.00	1.00	1.00	0.948	0.00	0.00
58030000	61.387	0.12410	SGP	INV	1.940E+17	1.00	1.00	1.00	1.00	0.948	0.00	0.00
58040000	61.378	0.12528	SGP	INV	1.940E+17	1.00	1.00	1.00	1.00	0.948	0.00	0.00
58050000	61.370	0.12632	SGP	INV	1.940E+17	1.00	1.00	1.00	1.00	0.948	0.00	0.00
58060000	61.363	0.12720	SGP	INV	1.940E+17	1.00	1.00	1.00	1.00	0.948	0.00	0.00
59000000	61.357	0.12790	SGP	INV	1.940E+17	1.00	1.00	1.00	1.00	0.948	0.00	0.00
60010000	61.353	0.12839	SGP	INV	1.940E+17	1.00	1.00	1.00	1.00	0.948	0.00	0.00
60020000	61.343	0.12921	SGP	INV	1.940E+17	1.00	1.00	1.00	1.00	0.947	0.00	0.00
61000000	61.214	0.13800	SGP	INV	1.940E+17	1.00	1.00	1.00	1.00	0.937	0.00	0.00
62010000	61.077	0.15782	VRT	MST	0.147	0.999	1.00	1.00	1.00	0.924	0.00	0.00
63000000	61.674	0.17088	VRT	SLG	14.9	0.941	0.377	0.377	0.377	0.968	0.00	0.00
65000000	61.718	0.16785	HRT	TCT	30.4	0.134	0.000	0.000	0.000	0.964	0.00	0.00

67000000	61.718	0.14643	HRT	TCT	1.022E+17	1.017E-02	0.000	0.000	0.000	0.958	0.00	0.00
69010000	61.717	0.12308	SGP	INV	1.940E+17	5.557E-04	0.000	0.000	0.000	0.954	0.00	0.00
69020000	61.715	8.14985E-02	SGP	INV	1.940E+17	9.515E-06	0.000	0.000	0.000	0.950	0.00	0.00
69030000	61.715	8.14985E-02	SGP	INV	1.940E+17	9.515E-06	0.000	0.000	0.000	0.950	0.00	0.00
70010000	61.714	3.49177E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.000	0.00	0.00
70020000	61.714	3.49177E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.000	0.00	0.00
72000000	61.714	3.22318E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.000	0.00	0.00
74000000	61.714	4.82478E-02	VRT	SLG	4.482E+10	3.550E-05	0.249	0.249	0.249	0.922	0.00	0.00
76010000	53.096	0.66235	HRT	TCT	1.546E+17	0.997	0.941	0.941	0.941	0.000	0.00	0.00
76020000	53.768	0.54686	HRT	TCT	1.590E+17	0.997	0.470	0.470	0.470	0.000	0.00	0.00
76030000	54.009	0.49944	HRT	TCT	1.603E+17	0.997	0.000	0.000	0.000	0.000	0.00	0.00
77000000	54.132	0.47712	HRT	CTM	9.499E+14	0.997	0.997	0.997	0.997	0.000	0.00	0.00
78000000	38.899	5.3568	HRT	CTM	0.340	0.972	0.996	0.972	0.972	0.000	0.12	0.84
80000000	33.107	8.8996	SGP	INV	1.940E+17	1.00	1.00	1.00	1.00	0.000	0.00	0.00
82000000	33.033	8.9201	SGP	INV	1.940E+17	1.00	1.00	1.00	1.00	0.000	0.00	0.00
83010000	33.032	8.8483	SGP	INV	1.940E+17	1.00	1.00	1.00	1.00	0.000	0.00	0.00
84000000	33.020	8.9273	SGP	INV	1.940E+17	1.00	1.00	1.00	1.00	0.000	0.00	0.00
85010000	33.019	8.8496	SGP	INV	1.940E+17	1.00	1.00	1.00	1.00	0.000	0.00	0.00
86000000	33.092	8.9148	SGP	INV	1.940E+17	1.00	1.00	1.00	1.00	0.000	0.00	0.00
88000000	33.076	8.9227	SGP	INV	1.940E+17	1.00	1.00	1.00	1.00	0.000	0.00	0.00
90000000	33.074	8.9276	SGP	INV	1.940E+17	1.00	1.00	1.00	1.00	0.000	0.00	0.00
91010000	33.070	8.9409	SGP	INV	1.940E+17	1.00	1.00	1.00	1.00	0.000	0.00	0.00
91020000	33.072	8.9342	SGP	INV	1.940E+17	1.00	1.00	1.00	1.00	0.000	0.00	0.00
92000000	32.951	8.9785	SGP	INV	1.940E+17	1.00	1.00	1.00	1.00	0.000	0.00	0.00
94000000	54.736	0.39372	HRT	TCT	1.706E+17	0.997	0.997	0.997	0.997	0.000	1.0	2.2
98000000	38.890	5.3616	HRT	CTM	0.257E+04	0.970	0.974	0.970	0.970	0.000	0.81	0.83
100000000	33.125	8.8831	SGP	INV	1.940E+17	1.00	1.00	1.00	1.00	0.000	0.00	0.00
102000000	33.112	8.8902	SGP	INV	1.940E+17	1.00	1.00	1.00	1.00	0.000	0.00	0.00
103010000	33.111	8.8941	SGP	INV	1.940E+17	1.00	1.00	1.00	1.00	0.000	0.00	0.00
104000000	33.097	8.9020	SGP	INV	1.940E+17	1.00	1.00	1.00	1.00	0.000	0.00	0.00
105010000	33.095	8.9083	SGP	INV	1.940E+17	1.00	1.00	1.00	1.00	0.000	0.00	0.00
106000000	33.093	8.9145	SGP	INV	1.940E+17	1.00	1.00	1.00	1.00	0.000	0.00	0.00
108000000	33.078	8.9224	SGP	INV	1.940E+17	1.00	1.00	1.00	1.00	0.000	0.00	0.00
110000000	33.075	8.9274	SGP	INV	1.940E+17	1.00	1.00	1.00	1.00	0.000	0.00	0.00
111010000	33.070	8.9409	SGP	INV	1.940E+17	1.00	1.00	1.00	1.00	0.000	0.00	0.00
111020000	33.073	8.9341	SGP	INV	1.940E+17	1.00	1.00	1.00	1.00	0.000	0.00	0.00
112000000	32.951	8.9785	SGP	INV	1.940E+17	1.00	1.00	1.00	1.00	0.000	0.00	0.00
114010000	53.462	0.58779	HRT	TSM	8.78	0.942	1.00	1.00	1.00	3.700E-02	0.00	0.00
114020000	53.472	0.59310	HRT	CTM	13.9	0.915	1.00	1.00	1.00	4.639E-02	0.00	0.00
119000000	54.374	0.44634	HRT	TCT	1.681E+17	0.997	0.000	0.000	0.000	0.000	0.00	0.00
120000000	54.664	0.40460	HRT	TCT	1.709E+17	0.997	0.997	0.997	0.997	0.000	0.00	0.00
121000000	54.845	0.38241	HRT	MST	1.671E+17	0.998	0.998	0.998	0.998	0.000	0.00	0.00
122000000	54.845	0.38241	HRT	TCT	1.716E+17	0.998	0.998	0.998	0.998	0.000	6.49E-03	6.34E-0
123000000	53.779	0.61139	HRT	CTT	0.795	0.559	0.664	0.188	0.110	4.0	0.34E+0	
194000000	54.301	0.44862	HRT	CTM	181.	0.987	0.990	0.995	1.300E-04	22.	1.7	
195010000	54.039	0.48647	HRT	CTM	50.9	0.986	0.483	0.483	3.269E-05	0.00	0.00	
196000000	54.058	0.49872	HRT	CTM	30.5	0.985	0.985	0.985	1.687E-06	0.00	0.00	
278000000	33.110	8.8945	HRT	CTM	1.437E+17	1.00	1.00	1.00	0.000	0.37	0.37	
298000000	33.127	8.8784	HRT	CTM	1.430E+17	1.00	1.00	1.00	0.000	0.37	0.37	

CONTROL VARIABLE EDIT

1 FSV FUNCTION 1.0000

---RESTART NO. 967 WRITTEN, BLOCK NO. 2---

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)
0.20000	234.96	370.53	174.47	407.56	269.28	394.74	232.80	395.54	234.96
0.20100	237.86	371.88	177.38	407.90	270.31	395.79	235.63	396.61	237.86
0.20200	240.61	373.44	180.80	408.30	271.51	396.89	238.63	397.61	240.61
0.20300	243.00	375.11	184.51	408.77	272.92	397.92	241.45	398.48	243.00
0.20400	245.29	376.74	188.19	409.30	274.55	398.85	244.03	399.30	245.29
0.20500	247.70	378.27	191.70	409.88	276.34	399.74	246.54	400.16	247.70
0.20600	250.12	379.73	195.10	410.50	278.22	400.64	249.08	401.01	250.12
0.20700	252.34	381.12	198.38	411.12	280.16	401.52	251.57	401.79	252.34
0.20800	254.50	382.41	201.46	411.75	282.11	402.32	253.85	402.54	254.50
0.20900	256.84	382.66	202.05	412.36	284.01	403.05	256.00	403.35	256.84

278000000 33.110 P.8945 HRT CTM 1.437E+17 1.00 1.00 1.00 0.000 0.37 0.37  
 298000000 33.127 R.8784 HRT CTM 1.430E+17 1.00 1.00 1.00 0.000 0.37 0.37

CONTROL VARIABLE EDIT  
 FUNCTION 1.0000

1 FSV

---RESTART NO. 967 WRITTEN, BLOCK NO. 2---

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)
0.20000	234.96	370.53	174.47	407.56	269.28	394.74	232.80	395.54	234.96
0.20100	237.86	371.88	177.38	407.90	270.31	395.79	235.63	396.61	237.86
0.20200	240.61	373.44	180.80	408.30	271.51	396.89	238.63	397.61	240.61
0.20300	243.00	375.11	184.51	408.77	272.92	397.92	241.45	398.48	243.00
0.20400	245.29	376.74	188.19	409.30	274.55	398.85	244.03	399.30	245.29
0.20500	247.70	378.27	191.70	409.88	276.34	399.74	246.54	400.16	247.70
0.20600	250.12	379.73	195.10	410.50	278.22	400.64	249.08	401.01	250.12
0.20700	252.34	381.12	198.38	411.12	280.16	401.52	251.57	401.79	252.34
0.20800	254.50	382.41	201.46	411.75	282.11	402.32	253.85	402.54	254.50
0.20900	256.84	382.66	202.05	412.36	284.01	403.85	258.29	403.35	256.84
0.21000	259.34	383.98	205.25	412.87	285.62	403.92	258.49	404.21	259.34
0.21100	261.00	384.21	205.81	413.30	286.99	404.89	261.32	404.78	261.00
0.21200	261.89	384.57	206.68	413.69	288.21	405.31	262.56	405.08	261.89
0.21300	262.64	384.72	207.04	414.01	289.24	405.82	264.09	405.34	262.64
0.21400	263.02	385.71	209.49	414.27	290.05	405.13	262.05	405.46	263.02
0.21500	262.85	385.43	208.79	414.48	290.72	405.61	263.46	405.41	262.85
0.21600	262.33	386.11	210.48	414.66	291.29	404.98	261.60	405.23	262.33
0.21700	261.33	386.32	211.00	414.84	291.89	404.91	261.45	404.89	261.33
0.21800	260.63	386.29	210.93	415.01	292.43	404.87	261.28	404.65	260.63
0.21900	260.18	386.09	210.43	415.13	292.80	404.72	260.83	404.50	260.18
0.22000	259.98	385.78	209.66	415.17	292.95	404.58	260.42	404.43	259.98
0.22100	260.20	385.47	208.91	415.15	292.87	404.53	260.26	404.50	260.20
0.22200	260.72	385.30	208.47	415.08	292.64	404.59	260.46	404.68	260.72
0.22300	261.19	385.30	208.48	414.99	292.37	404.72	260.83	404.84	261.19
0.22400	261.36	385.43	208.79	414.93	292.17	404.82	261.12	404.90	261.36
0.22500	261.21	385.57	209.15	414.90	292.08	404.83	261.16	404.85	261.21
0.22600	260.99	385.65	209.34	414.91	292.11	404.78	261.02	404.77	260.99
0.22700	260.92	385.66	209.37	414.94	292.19	404.74	260.90	404.75	260.92
0.22800	261.00	385.65	209.35	414.96	292.27	404.76	260.94	404.78	261.00
0.22900	261.19	385.67	209.40	414.98	292.32	404.80	261.08	404.84	261.19
0.23000	261.40	385.73	209.54	414.99	292.37	404.87	261.27	404.91	261.40
0.23100	261.61	385.82	209.76	415.01	292.42	404.94	261.47	404.98	261.61
0.23200	261.77	385.92	210.02	415.03	292.50	405.00	261.66	405.04	261.77
0.23300	261.88	386.02	210.27	415.07	292.61	405.05	261.82	405.08	261.88
0.23400	261.94	386.11	210.49	415.11	292.74	405.09	261.92	405.10	261.94
0.23500	261.95	386.17	210.63	415.15	292.88	405.11	261.98	405.10	261.95
0.23600	261.93	386.20	210.71	415.19	293.01	405.12	262.00	405.09	261.93
0.23700	261.89	386.20	210.70	415.22	293.12	405.11	261.98	405.08	261.89
0.23800	261.81	386.17	210.63	415.25	293.19	405.09	261.92	405.05	261.81
0.23900	261.70	386.12	210.50	415.26	293.22	405.06	261.83	405.02	261.70
0.24000	261.59	386.04	210.32	415.26	293.22	405.02	261.71	404.98	261.59
0.24100	261.55	385.96	210.12	415.24	293.18	404.98	261.60	404.97	261.55
0.24200	261.58	385.90	209.95	415.22	293.11	404.97	261.56	404.97	261.58
0.24300	261.59	385.86	209.86	415.20	293.03	404.97	261.56	404.98	261.59
0.24400	261.50	385.84	209.81	415.17	292.95	404.96	261.52	404.95	261.50
0.24500	261.37	385.81	209.74	415.15	292.89	404.92	261.41	404.90	261.37
0.24600	261.37	385.77	209.64	415.14	292.84	404.89	261.33	404.90	261.37
0.24700	261.47	385.75	209.59	415.13	292.80	404.90	261.36	404.94	261.47
0.24800	261.53	385.77	209.63	415.11	292.76	404.93	261.45	404.96	261.53
0.24900	261.45	385.80	209.71	415.11	292.74	404.94	261.47	404.93	261.45

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 (LF/IN2)
0.20000	377.01	237.94	412.30	283.82	394.75	232.82	399.51	272.40	103.66
0.20100	378.99	241.09	412.22	283.60	393.89	230.52	399.98	272.50	103.53
0.20200	381.03	243.23	412.05	283.04	394.90	233.21	400.37	272.34	103.29
0.20300	383.37	246.59	411.88	282.52	394.70	232.67	400.67	271.97	102.94
0.20400	385.20	247.91	411.68	281.91	396.18	236.69	400.86	271.30	102.52
0.20500	387.18	250.58	411.70	281.97	395.61	235.14	400.95	270.38	102.01
0.20600	389.39	253.71	411.73	282.05	395.56	234.99	401.01	269.49	101.43
0.20700	390.41	253.27	411.70	281.97	397.02	238.99	401.06	268.71	100.82
0.20800	391.64	254.41	411.92	282.64	396.22	236.79	401.07	267.91	100.19
0.20900	393.03	256.12	412.14	283.32	396.00	236.20	401.12	267.37	99.499

0.24100	261.55	385.86	210.12	415.24	293.18	404.98	261.60	404.97	261.55
0.24200	261.58	385.90	209.95	415.22	293.11	404.97	261.56	404.97	261.56
0.24300	261.59	385.86	209.86	415.20	293.03	404.97	261.56	404.98	261.59
0.24400	261.50	385.84	209.81	415.17	292.95	404.96	261.52	404.95	261.50
0.24500	261.37	385.81	209.74	415.15	292.89	404.92	261.41	404.90	261.37
0.24600	261.37	385.77	209.64	415.14	292.84	404.89	261.33	404.90	261.37
0.24700	261.47	385.75	209.59	415.13	292.80	404.90	261.36	404.94	261.47
0.24800	261.53	385.77	209.63	415.11	292.76	404.93	261.45	404.96	261.53
0.24900	261.45	385.80	209.71	415.11	292.74	404.94	261.47	404.93	261.45

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)
0.20000	377.01	237.94	412.30	283.82	394.75	232.82	399.51	272.40	103.66
0.20100	378.99	241.09	412.22	283.60	393.89	230.52	399.98	272.50	103.53
0.20200	381.03	243.23	412.05	283.04	394.90	233.21	400.37	272.34	103.29
0.20300	383.37	246.59	411.88	282.52	394.70	232.67	400.67	271.97	102.94
0.20400	385.20	247.91	411.68	281.91	396.18	236.69	400.86	271.30	102.52
0.20500	387.18	250.58	411.70	281.97	395.61	235.14	400.95	270.36	102.01
0.20600	389.39	253.71	411.73	282.05	395.56	234.99	401.01	269.49	101.43
0.20700	390.41	253.27	411.70	281.97	397.02	238.99	401.06	268.71	100.82
0.20800	391.64	254.41	411.92	282.64	396.22	236.79	401.07	267.91	100.19
0.20900	393.03	256.12	412.14	283.32	396.00	236.20	401.12	267.37	99.499
0.21000	394.40	258.24	412.26	283.72	396.32	237.07	401.25	267.17	98.717
0.21100	395.16	258.92	412.47	284.37	396.57	237.75	401.39	267.07	98.258
0.21200	395.57	259.01	412.85	285.57	396.76	238.26	401.59	267.21	98.194
0.21300	395.78	258.93	413.40	287.29	396.88	238.59	401.50	267.77	98.244
0.21400	396.06	259.43	414.03	289.31	397.41	240.05	402.31	268.70	98.241
0.21500	395.92	258.94	414.74	291.57	397.31	239.94	402.86	270.15	98.292
0.21600	396.05	259.10	415.23	293.14	397.77	241.63	403.57	272.12	98.453
0.21700	396.20	259.53	415.64	294.46	397.28	240.27	404.31	274.14	98.740
0.21800	396.61	260.79	415.84	295.11	397.89	241.82	404.98	275.84	99.107
0.21900	396.82	261.41	415.89	295.25	398.16	242.44	405.54	277.12	99.501
0.22000	396.91	261.66	415.86	295.17	398.35	242.83	405.97	277.92	99.881
0.22100	396.95	261.76	415.80	294.98	398.51	243.16	406.29	278.34	100.22
0.22200	396.71	260.97	415.86	295.18	397.84	241.42	406.52	278.52	100.52
0.22300	396.52	260.33	415.97	295.51	397.81	241.48	406.73	278.66	100.79
0.22400	396.53	260.28	415.93	295.39	398.04	242.16	406.90	278.70	101.05
0.22500	396.64	260.51	415.86	295.18	397.86	241.69	406.96	278.58	101.29
0.22600	397.04	261.68	415.78	294.91	397.72	241.06	406.91	277.74	101.49
0.22700	397.16	261.96	415.66	294.53	397.39	240.15	406.82	276.99	101.66
0.22800	397.02	261.46	415.56	294.18	397.47	240.45	406.76	276.38	101.82
0.22900	397.05	261.43	415.38	293.62	397.31	240.06	406.65	275.63	101.98
0.23000	397.05	261.34	415.22	293.10	396.90	238.98	406.46	274.66	102.13
0.23100	397.36	262.21	415.04	292.53	396.71	238.23	406.22	273.55	102.27
0.23200	397.35	262.09	414.83	291.86	396.22	236.92	405.97	272.41	102.41
0.23300	397.15	261.44	414.65	291.27	396.08	236.65	405.69	271.22	102.55
0.23400	397.15	261.34	414.39	290.44	395.50	235.13	405.41	270.02	102.71
0.23500	397.13	261.22	414.14	289.65	394.75	233.19	405.10	268.76	102.89
0.23600	397.39	261.97	413.86	288.76	394.59	232.53	404.77	267.45	103.10
0.23700	397.36	261.83	413.56	287.81	393.82	230.50	404.42	266.12	103.36
0.23800	397.11	261.01	413.29	286.96	393.49	229.89	404.05	264.72	103.74
0.23900	397.55	262.33	412.88	285.64	393.28	228.99	403.62	263.15	104.43
0.24000	397.24	261.34	412.52	284.51	392.38	226.88	403.05	261.19	105.56
0.24100	397.53	262.19	412.08	283.15	392.00	225.64	402.26	258.61	106.39
0.24200	397.18	261.07	411.72	282.02	390.78	222.75	402.06	257.79	98.753
0.24300	397.30	261.39	411.28	280.64	390.56	222.08	401.78	256.72	104.76
0.24400	397.43	261.80	410.70	278.86	390.16	220.92	401.07	254.44	99.444
0.24500	397.38	261.61	410.14	277.12	389.17	218.47	400.56	252.74	104.24
0.24600	397.40	261.63	409.57	275.38	388.11	215.79	399.64	249.90	99.976
0.24700	397.30	261.29	408.97	273.54	387.02	213.12	399.12	248.21	103.70
0.24800	397.06	260.50	408.36	271.70	385.78	210.22	398.39	245.94	104.13
0.24900	396.80	259.61	407.78	269.94	384.46	207.17	397.34	242.81	104.75

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)
0.20000	269.79	5.0044	329.38	307.21	75.436	299.29	67.110	299.29	67.110
0.20100	269.72	4.8409	329.30	307.64	75.914	300.15	67.982	300.15	67.982
0.20200	269.53	4.6766	329.13	308.03	76.355	300.98	68.826	300.98	68.826
0.20300	269.02	4.5113	328.89	308.39	76.763	301.77	69.640	301.77	69.640
0.20400	268.16	4.3464	328.60	308.73	77.138	302.52	70.419	302.52	70.419
0.20500	267.30	4.1850	328.25	309.03	77.480	303.23	71.163	303.23	71.163
0.20600	266.74	4.0297	327.85	309.29	77.783	303.90	71.869	303.90	71.869
0.20700	266.22	3.8805	327.42	309.52	78.047	304.53	72.538	304.53	72.538
0.20800	265.74	3.7384	326.97	309.71	78.268	305.12	73.168	305.12	73.168
0.20900	265.88	3.6056	326.48	309.87	78.447	305.67	73.756	305.67	73.756

0.24100	397.53	262.19	412.06	283.15	392.00	225.64	402.26	258.61	104.39
0.24200	397.18	261.07	411.72	282.02	390.78	222.75	402.06	257.79	98.753
0.24300	397.30	261.39	411.28	280.64	390.56	222.08	401.78	256.72	104.76
0.24400	397.43	261.80	410.70	278.86	390.16	220.92	401.07	254.44	99.444
0.24500	397.38	261.61	410.14	277.12	389.17	218.47	400.56	252.74	104.24
0.24600	397.40	261.63	409.57	275.38	388.11	215.79	399.64	249.90	99.976
0.24700	397.30	261.29	408.97	273.54	387.02	213.12	399.12	248.21	103.70
0.24800	397.06	260.50	408.36	271.70	385.78	210.22	398.39	245.94	104.13
0.24900	396.80	259.61	407.78	269.94	384.46	207.17	397.34	242.81	104.75

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)
0.20000	269.79	5.0044	329.38	307.21	75.436	299.29	67.110	299.29	67.110
0.20100	269.72	4.8409	329.30	307.64	75.914	300.15	67.982	300.15	67.982
0.20200	269.53	4.6766	329.13	308.03	76.355	300.98	68.826	300.98	68.826
0.20300	269.02	4.5113	328.89	308.39	76.763	301.77	69.640	301.77	69.640
0.20400	268.16	4.3464	328.60	308.73	77.138	302.52	70.419	302.52	70.419
0.20500	267.30	4.1850	328.25	309.03	77.480	303.23	71.163	303.23	71.163
0.20600	266.74	4.0297	327.85	309.29	77.783	303.90	71.869	303.90	71.869
0.20700	266.22	3.8805	327.42	309.52	78.047	304.53	72.538	304.53	72.538
0.20800	265.74	3.7384	326.97	309.71	78.268	305.12	73.168	305.12	73.168
0.20900	265.88	3.6056	326.49	309.87	78.451	305.67	73.759	305.67	73.759
0.21000	266.12	3.4805	325.93	310.00	78.600	306.17	74.308	306.17	74.308
0.21100	266.34	3.3629	325.60	310.11	78.728	306.63	74.813	306.63	74.813
0.21200	266.98	3.2538	325.56	310.20	78.831	307.05	75.276	307.05	75.276
0.21300	267.91	3.1522	325.60	310.26	78.898	307.43	75.695	307.43	75.695
0.21400	269.11	3.0573	325.60	310.30	78.943	307.77	76.073	307.77	76.073
0.21500	270.88	2.9690	325.64	310.35	78.995	308.07	76.407	308.07	76.407
0.21600	272.86	2.8857	325.75	310.42	79.072	308.33	76.700	308.33	76.700
0.21700	274.53	2.8056	325.96	310.52	79.189	308.56	76.955	308.56	76.955
0.21800	275.98	2.7290	326.22	310.67	79.356	308.75	77.176	308.75	77.176
0.21900	277.03	2.6553	326.50	310.86	79.579	308.92	77.361	308.92	77.361
0.22000	277.72	2.5846	326.77	311.10	79.855	309.05	77.508	309.05	77.508
0.22100	278.15	2.5168	327.01	311.38	80.182	309.16	77.638	309.16	77.638
0.22200	278.42	2.4518	327.23	311.69	80.546	309.27	77.766	309.27	77.766
0.22300	278.68	2.3898	327.42	312.02	80.937	309.39	77.901	309.39	77.901
0.22400	278.67	2.3297	327.60	312.37	81.345	309.52	78.047	309.52	78.047
0.22500	278.27	2.2711	327.78	312.72	81.762	309.66	78.206	309.66	78.206
0.22600	277.72	2.2147	327.93	313.07	82.180	309.81	78.381	309.81	78.381
0.22700	277.08	2.1605	328.05	313.42	82.594	309.98	78.572	309.98	78.572
0.22800	276.48	2.1084	328.16	313.75	82.999	310.16	78.779	310.16	78.779
0.22900	275.73	2.0581	328.28	314.08	83.392	310.36	79.001	310.36	79.001
0.23000	274.77	2.0093	328.40	314.39	83.771	310.56	79.235	310.56	79.235
0.23100	273.78	1.9622	328.50	314.69	84.137	310.77	79.479	310.77	79.479
0.23200	272.66	1.9165	328.61	314.98	84.491	310.99	79.730	310.99	79.730
0.23300	271.48	1.8724	328.72	315.26	84.833	311.21	79.986	311.21	79.986
0.23400	270.30	1.8297	328.83	315.53	85.166	311.43	80.242	311.43	80.242
0.23500	269.02	1.7884	328.97	315.79	85.491	311.65	80.499	311.65	80.499
0.23600	267.76	1.7485	329.12	316.05	85.812	311.86	80.755	311.86	80.755
0.23700	266.43	1.7097	329.32	316.32	86.132	312.08	81.010	312.08	81.010
0.23800	265.06	1.6723	329.59	316.58	86.457	312.29	81.264	312.29	81.264
0.23900	263.52	1.6356	330.07	316.85	86.789	312.51	81.519	312.51	81.519
0.24000	261.78	1.5999	330.88	317.13	87.131	312.72	81.777	312.72	81.777
0.24100	259.96	1.5650	331.45	317.40	87.470	312.94	82.040	312.94	82.040
0.24200	258.59	1.5319	325.94	317.64	87.761	313.17	82.309	313.17	82.309
0.24300	257.10	1.4975	330.35	317.77	87.920	313.40	82.584	313.40	82.584
0.24400	255.25	1.4635	326.51	317.89	88.067	313.62	82.852	313.62	82.852
0.24500	253.00	1.4285	330.04	318.07	88.283	313.83	83.097	313.83	83.097
0.24600	250.81	1.3954	326.96	318.26	88.512	314.01	83.321	314.01	83.321
0.24700	248.46	1.3625	329.72	318.48	88.793	314.19	83.539	314.19	83.539
0.24800	246.19	1.3320	330.07	318.77	89.153	314.38	83.756	314.38	83.756
0.24900	243.45	1.3033	330.53	319.23	89.740	314.56	83.981	314.56	83.981

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)
0.20000	258.95	35.230	300.63	37.513	174.47	180.24	0.49644	373.19	0.50931
0.20100	259.88	35.747	303.74	38.048	177.38	182.27	0.50417	374.11	0.51487
0.20200	260.77	36.263	306.54	38.542	180.80	184.63	0.51317	375.16	0.52121
0.20300	261.64	36.779	309.16	39.011	184.51	187.12	0.52286	376.26	0.52783
0.20400	262.46	37.285	311.67	39.471	188.19	189.56	0.53246	377.34	0.53432
0.20500	263.25	37.781	314.14	39.929	191.70	191.89	0.54168	378.35	0.54055
0.20600	263.98	38.252	316.60	40.390	195.10	194.17	0.55064	379.33	0.54667
0.20700	264.63	38.675	319.06	40.856	198.38	196.38	0.55935	380.28	0.55267
0.20800	265.18	39.047	321.53	41.325	201.46	198.49	0.56757	381.17	0.55843
0.20900	265.69	39.324	323.99	41.796	204.46	200.56	0.57541	382.05	0.56417

0.24100	259.98	1.5680	325.94	317.40	87.470	312.94	82.040	312.94	82.040
0.24200	258.59	1.5319	325.94	317.64	87.761	313.17	82.309	313.17	82.309
0.24300	257.10	1.4975	330.35	317.77	87.920	313.40	82.584	313.40	82.584
0.24400	255.25	1.4635	326.51	317.89	88.067	313.62	82.852	313.62	82.852
0.24500	253.00	1.4285	330.04	318.07	88.283	313.83	83.097	313.83	83.097
0.24600	250.81	1.3954	326.96	318.26	88.512	314.01	83.321	314.01	83.321
0.24700	248.46	1.3625	329.72	318.48	88.793	314.19	83.539	314.19	83.539
0.24800	246.19	1.3320	330.07	318.77	89.153	314.38	83.756	314.38	83.756
0.24900	243.45	1.3033	330.53	319.23	89.740	314.56	83.981	314.56	83.981

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)
0.20000	258.95	35.230	300.63	37.513	174.47	180.24	0.49644	373.19	0.50931
0.20100	259.88	35.747	303.74	38.048	177.38	182.27	0.50417	374.11	0.51487
0.20200	260.77	36.263	306.54	38.542	180.80	184.63	0.51317	375.16	0.52121
0.20300	261.64	36.779	309.16	39.011	184.51	187.12	0.52286	376.26	0.52783
0.20400	262.46	37.285	311.67	39.471	188.19	189.56	0.53216	377.34	0.53432
0.20500	263.25	37.781	314.14	39.929	191.70	191.89	0.54168	378.35	0.54055
0.20600	263.98	38.252	316.60	40.390	195.10	194.17	0.55064	379.33	0.54667
0.20700	264.63	38.675	319.06	40.856	198.38	196.38	0.55935	380.28	0.55267
0.20800	265.18	39.047	321.53	41.325	201.46	198.49	0.56757	381.17	0.55843
0.20900	265.69	39.394	323.99	41.796	202.05	199.16	0.56855	381.45	0.56013
0.21000	266.08	39.671	326.42	42.263	205.25	201.29	0.57826	382.34	0.56663
0.21100	266.39	39.888	328.80	42.723	205.81	201.90	0.58037	382.60	0.56897
0.21200	266.75	40.144	331.11	43.171	206.68	203.00	0.58179	383.05	0.57120
0.21300	267.00	40.332	333.33	43.604	207.04	203.10	0.58320	383.10	0.57179
0.21400	267.20	40.476	335.44	44.019	209.49	204.84	0.59056	383.81	0.57735
0.21500	267.63	40.781	337.45	44.413	208.79	204.55	0.58931	383.69	0.57720
0.21600	267.83	40.926	339.32	44.781	210.48	205.80	0.59353	384.21	0.58024
0.21700	268.49	41.388	341.05	45.119	211.00	206.19	0.59493	384.37	0.58148
0.21800	268.77	41.579	342.60	45.421	210.93	206.25	0.59494	384.39	0.58183
0.21900	268.95	41.705	343.96	45.686	210.43	206.06	0.59381	384.31	0.58155
0.22000	269.16	41.850	345.12	45.911	209.66	205.70	0.59199	384.17	0.58082
0.22100	269.35	41.986	346.09	46.097	208.91	205.33	0.59024	384.01	0.58002
0.22200	269.57	42.132	346.88	46.248	208.47	205.11	0.58929	383.93	0.57957
0.22300	269.80	42.290	347.50	46.364	208.48	205.13	0.58940	383.93	0.57966
0.22400	270.05	42.462	347.96	46.450	208.79	205.30	0.59023	384.00	0.58009
0.22500	270.32	42.644	348.28	46.508	209.15	205.47	0.59110	384.07	0.58052
0.22600	270.60	42.834	348.49	46.543	209.34	205.55	0.59154	384.10	0.58070
0.22700	270.88	43.025	348.60	46.560	209.37	205.54	0.59157	384.10	0.58068
0.22800	271.15	43.216	348.63	46.564	209.35	205.53	0.59153	384.10	0.58065
0.22900	271.43	43.405	348.62	46.559	209.40	205.57	0.59167	384.11	0.58076
0.23000	271.70	43.591	348.57	46.547	209.54	205.66	0.59206	384.15	0.58101
0.23100	271.96	43.772	348.50	46.528	209.76	205.80	0.59264	384.21	0.58137
0.23200	272.21	43.949	348.39	46.503	210.02	205.96	0.59332	384.27	0.58180
0.23300	272.46	44.122	348.24	46.470	210.27	206.12	0.59399	384.34	0.58223
0.23400	272.70	44.289	348.06	46.432	210.49	206.26	0.59455	384.40	0.58260
0.23500	272.93	44.451	347.88	46.395	210.63	206.36	0.59495	384.44	0.58290
0.23600	273.15	44.607	347.72	46.366	210.71	206.43	0.59516	384.46	0.58309
0.23700	273.37	44.758	347.62	46.353	210.70	206.45	0.59519	384.47	0.58319
0.23800	273.57	44.905	347.62	46.360	210.63	206.43	0.59504	384.46	0.58318
0.23900	273.78	45.050	347.72	46.388	210.50	206.37	0.59473	384.44	0.58307
0.24000	273.98	45.197	347.90	46.432	210.32	206.28	0.59431	384.40	0.58287
0.24100	274.20	45.352	348.15	46.487	210.12	206.17	0.59382	384.36	0.58262
0.24200	274.45	45.527	348.45	46.552	209.95	206.08	0.59343	384.32	0.58240
0.24300	274.73	45.731	348.78	46.626	209.86	206.02	0.59321	384.30	0.58227
0.24400	275.06	45.975	349.18	46.714	209.81	205.99	0.59309	384.28	0.58219
0.24500	275.46	46.265	349.67	46.824	209.74	205.94	0.59290	384.26	0.58206
0.24600	275.92	46.602	350.27	46.962	209.64	205.87	0.59265	384.24	0.58188
0.24700	276.42	46.975	351.03	47.133	209.59	205.83	0.59252	384.22	0.58178
0.24800	276.94	47.368	351.95	47.338	209.63	205.85	0.59263	384.23	0.58182
0.24900	277.46	47.756	353.02	47.574	209.71	205.89	0.59282	384.24	0.58191

TIME (SEC)	MFLOWJ 114020000 (LP/SEC)	MFLOWJ 94000000 (LP/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 (LP/SEC)
0.20000	194.47	96.410	399.51	272.40	269.79	103.66	202.28	382.76	155.19
0.20100	184.32	97.324	399.98	272.50	269.72	103.53	203.39	383.22	155.99
0.20200	174.11	98.388	400.37	272.34	269.53	103.29	202.51	382.85	154.84
0.20300	163.69	99.527	400.67	271.97	269.02	102.94	201.32	382.36	153.28
0.20400	153.00	100.65	400.86	271.30	268.16	102.52	202.02	382.65	153.75
0.20500	142.50	101.72	400.95	270.38	267.30	102.01	203.28	383.17	154.66
0.20600	132.82	102.77	401.01	269.49	266.74	101.43	203.02	383.06	154.72
0.20700	123.99	103.80	401.06	268.71	266.22	100.82	202.43	382.82	153.00
0.20800	115.87	104.79	401.07	267.91	265.74	100.19	204.60	383.72	154.83
0.20900	109.16	105.57	401.12	267.37	265.86	99.490	204.55	383.70	154.67

0.24100	274.20	45.352	348.15	46.487	21.12	206.17	0.59382	384.36	0.58282
0.24200	274.45	45.527	348.45	46.552	209.95	206.08	0.59343	384.32	0.58240
0.24300	274.73	45.731	348.78	46.626	209.86	206.02	0.59321	384.30	0.58227
0.24400	275.06	45.975	349.18	46.714	209.81	205.99	0.59309	384.28	0.58219
0.24500	275.46	46.265	349.67	46.824	209.74	205.94	0.59290	384.26	0.58206
0.24600	275.92	46.602	350.27	46.962	209.64	205.87	0.59265	384.24	0.58189
0.24700	276.42	46.975	351.03	47.133	209.59	205.83	0.59252	384.22	0.58178
0.24800	276.94	47.368	351.95	47.338	209.63	205.85	0.59263	384.23	0.58182
0.24900	277.46	47.756	353.02	47.574	209.71	205.89	0.59282	384.24	0.58191

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)
0.20000	194.47	96.410	399.51	272.40	269.79	103.66	202.28	382.76	155.19
0.20100	184.32	97.324	399.98	272.50	269.72	103.53	203.39	383.22	155.99
0.20200	174.11	98.388	400.37	272.34	269.53	103.29	202.51	382.85	154.84
0.20300	163.69	99.527	400.67	271.97	269.02	102.94	201.32	382.36	153.28
0.20400	153.00	100.65	400.86	271.30	268.16	102.52	202.02	382.65	153.75
0.20500	142.50	101.72	400.95	270.38	267.30	102.01	203.28	383.17	154.66
0.20600	132.82	102.77	401.01	269.49	266.74	101.43	203.02	383.06	154.72
0.20700	123.99	103.80	401.06	268.71	266.22	100.82	202.43	382.82	153.00
0.20800	115.87	104.79	401.07	267.91	265.74	100.19	204.60	383.72	154.83
0.20900	109.16	105.57	401.12	267.37	265.88	99.499	204.58	383.70	154.67
0.21000	103.61	106.18	401.25	267.17	266.12	98.717	203.51	383.26	152.40
0.21100	98.720	106.35	401.39	267.07	266.34	98.258	204.82	383.81	152.70
0.21200	94.835	107.52	401.59	267.21	266.98	98.194	207.06	384.72	153.79
0.21300	91.905	107.78	401.90	267.77	267.91	98.244	206.91	384.66	139.71
0.21400	89.608	108.09	402.31	268.70	269.11	98.241	206.77	384.61	136.81
0.21500	88.073	107.91	402.86	270.15	270.88	98.292	206.03	384.30	131.72
0.21600	86.931	108.66	403.57	272.12	272.86	98.453	206.07	384.30	132.57
0.21700	85.267	108.95	404.31	274.14	274.53	98.740	210.33	385.95	134.72
0.21800	83.061	109.05	404.98	275.84	275.98	99.107	209.60	385.57	134.67
0.21900	80.438	109.02	405.54	277.12	277.03	99.501	209.23	385.43	133.03
0.22000	77.557	108.91	405.97	277.92	277.72	99.881	209.46	385.56	132.47
0.22100	74.730	108.77	406.29	278.34	278.15	100.22	209.30	385.54	131.22
0.22200	72.146	108.68	406.52	278.52	278.42	100.52	210.55	386.09	130.26
0.22300	69.977	108.68	406.73	278.66	278.68	100.79	209.45	385.61	128.55
0.22400	67.899	108.74	406.90	278.70	278.67	101.05	208.07	385.01	126.66
0.22500	65.639	108.82	406.96	278.38	278.27	101.29	208.72	385.29	125.92
0.22600	63.537	108.86	406.91	277.74	277.72	101.49	208.88	385.35	124.11
0.22700	61.816	108.86	406.82	276.99	277.08	101.66	208.16	385.09	122.68
0.22800	60.332	108.84	406.76	276.38	276.48	101.82	206.92	384.59	122.12
0.22900	58.889	108.86	406.65	275.63	275.73	101.98	206.09	384.23	122.11
0.23000	57.478	108.89	406.46	274.66	274.77	102.13	206.72	384.50	121.50
0.23100	56.427	108.95	406.22	273.55	273.78	102.27	206.35	384.35	119.95
0.23200	55.616	109.02	405.97	272.41	272.66	102.41	205.55	384.04	119.01
0.23300	54.862	109.10	405.69	271.22	271.48	102.55	203.96	383.39	118.76
0.23400	54.257	109.16	405.41	270.02	270.30	102.71	203.04	382.99	118.85
0.23500	53.652	109.22	405.10	268.76	269.02	102.89	203.11	383.02	118.12
0.23600	53.216	109.25	404.77	267.45	267.76	103.10	202.47	382.74	116.72
0.23700	52.867	109.27	404.42	266.12	266.43	103.36	201.71	382.43	116.15
0.23800	52.605	109.28	404.05	264.72	265.06	103.74	199.83	381.64	115.86
0.23900	52.384	109.26	403.62	263.15	263.52	104.43	198.28	380.94	116.24
0.24000	52.208	109.23	403.05	261.19	261.78	105.56	198.97	381.30	115.29
0.24100	52.932	109.19	402.26	258.61	259.96	106.39	196.18	380.07	114.31
0.24200	52.091	109.15	402.06	257.79	258.59	98.753	196.79	380.37	113.93
0.24300	52.160	109.12	401.78	256.72	257.10	104.76	193.36	378.85	111.69
0.24400	52.676	109.11	401.07	254.44	255.25	99.444	193.23	378.80	112.15
0.24500	52.788	109.09	400.56	252.74	253.00	104.24	191.31	378.02	109.50
0.24600	53.311	109.06	399.64	249.90	250.81	99.976	190.54	377.67	109.06
0.24700	53.510	109.03	399.12	248.21	248.46	103.70	188.47	376.76	106.31
0.24800	53.355	109.04	398.39	245.94	246.19	104.13	186.54	375.89	103.70
0.24900	54.053	109.05	397.34	242.81	243.45	104.75	184.60	374.96	101.43

ATTEMPTED ADV: TOT.= 1067 EDIT= 100 MIN.DT= 5.000000E-04 SEC LAST DT= 5.000000E-04 SEC MS.ERR= -21.8565 LB  
 REPEATED ADV: TOT.= 61 EDIT= 0 MAX.DT= 5.000000E-04 SEC CRNT.DT= 5.073418E-04 SEC TOT.MS= 38975.8 LB  
 SUCCESSFUL ADV: TOT.= 1006 EDIT= 100 AVG.DT= 5.000000E-04 SEC ERR.EST= 3.537036E-05 M.RATN= -5.607708E-04  
 REQUESTED ADV: TOT.= 250 EDIT= 50 REQ.DT= 1.000000E-03 SEC CPU= 239.760 SEC TIME= 0.250000 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	2711.5	1012.0	1.0000	0.00000	1.0000	1.0000	680.16	680.16	680.16	10
C-36	PIPE COMPONENT									
36010000	292.75	959.03	0.79981	0.00000	0.78249	0.99685	415.11	387.06	415.11	10

0.24200	52.091	109.1	402.06	257.79	258.59	98.753	196.79	380.37	113.93
0.24300	52.160	109.12	401.78	256.72	257.10	104.76	193.36	378.85	111.69
0.24400	52.676	109.11	401.07	254.44	255.25	99.444	193.23	378.80	112.15
0.24500	52.788	109.09	400.56	252.74	253.00	104.24	191.31	378.02	109.50
0.24600	53.311	109.06	399.64	249.90	250.81	99.976	190.54	377.67	109.06
0.24700	53.510	109.03	399.12	248.21	248.46	103.70	188.47	376.76	106.31
0.24800	53.355	109.04	398.39	245.94	246.19	104.13	186.54	375.89	103.70
0.24900	54.053	109.05	397.34	242.81	243.45	104.75	184.60	374.96	101.43

ATTEMPTED ADV: TOT.= 1067 EDIT= 100 MIN.DT= 5.000000E-04 SEC LAST DT= 5.000000E-04 SEC MS.ERR= -21.8565 LB  
 REPEATED ADV: TOT.= 61 EDIT= 0 MAX.DT= 5.000000E-04 SEC CRNT.DT= 5.073418E-04 SEC TOT.MS= 38975.8 LB  
 SUCCESSFUL ADV: TOT.= 1006 EDIT= 100 AVG.DT= 5.000000E-04 SEC ERR.EST= 3.537036E-05 M.RATN= -5.607708E-04  
 REQUESTED ADV: TOT.= 250 EDIT= 50 REQ.DT= 1.000000E-03 SEC CPU= 239.760 SEC TIME= 0.250000 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	2711.5	1012.0	1.0000	0.00000	1.0000	1.0000	680.16	680.16	680.16	10
C-36	PIPE	COMPONENT								
36010000	292.75	959.03	0.79981	0.00000	0.78249	0.99685	415.11	387.06	415.11	10
36020000	245.71	949.76	0.78667	0.00000	0.77644	0.99722	399.45	381.44	399.45	10
36030000	231.42	945.46	0.77748	0.00000	0.77292	0.99729	394.23	385.94	394.23	10
C-38	PIPE	COMPONENT								
38010000	261.12	970.54	0.80232	1.54556E-08	0.80232	0.99739	404.82	404.80	404.82	0
38020000	260.98	971.95	0.80426	9.28776E-07	0.80425	0.99743	404.77	404.74	404.77	0
38030000	260.77	972.22	0.80466	2.72433E-05	0.80463	0.99744	404.70	404.66	404.70	0
38040000	260.51	967.58	0.79896	4.43729E-04	0.79892	0.99734	404.57	404.52	404.57	0
38050000	260.18	931.83	0.75507	4.07093E-03	0.75504	0.99658	404.16	404.10	404.16	0
38060000	259.76	825.06	0.62972	1.91563E-02	0.62972	0.99379	402.45	402.45	402.45	0
38070000	259.18	665.76	0.44389	4.05538E-02	0.44389	0.98667	398.22	398.24	398.24	0
C-40	SNGLVOL	COMPONENT								
40010000	261.22	969.95	0.80151	0.00000	0.80150	0.99738	404.85	404.84	404.85	0
C-42	SNGLVOL	COMPONENT								
42010000	258.65	541.09	0.26549	3.01946E-02	0.26549	0.97090	396.50	396.53	396.53	0
C-44	BRANCH	COMPONENT								
44010000	204.47	930.91	0.76535	5.10970E-03	0.76459	0.99747	383.27	381.80	383.27	0
C-46	PIPE	COMPONENT								
46010000	242.78	896.23	0.70718	2.01936E-03	0.70738	0.99595	398.22	398.64	398.22	0
46020000	242.44	835.59	0.62505	1.35566E-03	0.62502	0.99415	398.14	398.09	398.14	0
46030000	241.67	737.19	0.49344	1.78058E-03	0.49344	0.99006	397.78	397.78	397.78	0
C-48	PIPE	COMPONENT								
48010000	105.52	424.54	0.15511	2.08425E-03	0.15522	0.97741	331.18	331.08	331.08	0
48020000	98.549	433.86	0.17239	2.43463E-03	0.17239	0.98124	326.39	326.38	326.38	0
48030000	95.973	431.14	0.17170	2.61544E-03	0.17170	0.98169	324.14	324.14	324.14	0
48040000	94.351	423.22	0.16340	2.67547E-03	0.16340	0.98090	322.86	322.86	322.86	0
48050000	93.100	414.31	0.15347	2.63906E-03	0.15347	0.97971	321.87	321.87	321.87	0
48060000	92.040	406.91	0.14521	2.56282E-03	0.14521	0.97861	321.04	321.04	321.04	0
48070000	91.139	401.21	0.13891	2.48009E-03	0.13891	0.97771	320.33	320.33	320.33	0
48080000	90.386	397.19	0.13455	2.41408E-03	0.13455	0.97708	319.74	319.74	319.74	0
48090000	89.650	387.52	0.12311	2.21666E-03	0.12311	0.97488	319.16	319.16	319.16	0
C-50	PIPE	COMPONENT								
50010000	88.192	384.46	0.12063	2.17095E-03	0.12063	0.97470	318.01	318.01	318.01	0
50020000	87.152	381.69	0.11814	2.13464E-03	0.11814	0.97441	317.17	317.17	317.17	0
50030000	86.327	379.14	0.11575	2.10240E-03	0.11575	0.97406	316.50	316.50	316.50	0
50040000	85.644	376.70	0.11337	2.07036E-03	0.11337	0.97366	315.94	315.94	315.94	0
50050000	85.077	375.78	0.11278	2.06927E-03	0.11278	0.97367	315.47	315.47	315.47	0
C-52	SNGLVOL	COMPONENT								
52010000	84.237	361.12	9.53055E-02	1.75213E-03	9.53062E-02	0.96870	314.78	314.78	314.78	0
C-54	PIPE	COMPONENT								
54010000	80.362	361.13	9.91139E-02	1.78156E-03	9.91224E-02	0.97132	311.54	311.53	311.53	0
54020000	77.447	360.36	0.10110	1.79239E-03	0.10111	0.97290	309.01	309.00	309.00	0
54030000	75.172	359.52	0.10242	1.79415E-03	0.10242	0.97403	306.98	306.98	306.98	0
54040000	73.269	358.66	0.10337	1.79088E-03	0.10337	0.97492	305.24	305.24	305.24	0
54050000	71.600	357.80	0.10409	1.78439E-03	0.10409	0.97565	303.70	303.69	303.69	0
54060000	70.093	356.91	0.10463	1.77540E-03	0.10463	0.97628	302.27	302.27	302.27	0
54070000	68.704	355.96	0.10500	1.76410E-03	0.10500	0.97682	300.94	300.93	300.93	0

54080000	67.409	354.93	0.10518	1.75046E-03	0.10518	0.97728	299.67	299.67	299.67	0
54090000	66.196	353.79	0.10516	1.73450E-03	0.10516	0.97767	298.47	298.47	298.47	0
54100000	65.061	352.56	0.10495	1.71650E-03	0.10495	0.97799	297.33	297.33	297.33	0
54110000	64.009	351.25	0.10458	1.69705E-03	0.10458	0.97825	296.26	296.26	296.26	0
54120000	63.051	349.94	0.10409	1.67711E-03	0.10409	0.97845	295.27	295.27	295.27	0
54130000	62.205	348.69	0.10357	1.65799E-03	0.10357	0.97861	294.38	294.39	294.39	0
54140000	61.490	347.61	0.10311	1.64141E-03	0.10311	0.97874	293.63	293.63	293.63	0
54150000	60.928	346.83	0.10285	1.62958E-03	0.10285	0.97887	293.03	293.04	293.03	0
54160000	60.529	346.48	0.10294	1.62457E-03	0.10289	0.97902	292.56	292.61	292.61	0
54170000	60.290	346.74	0.10358	1.62987E-03	0.10351	0.97925	292.28	292.35	292.35	0
54180000	60.196	347.81	0.10502	1.64892E-03	0.10492	0.97959	292.15	292.25	292.25	0
54190000	60.216	349.93	0.10759	1.68655E-03	0.10747	0.98012	292.16	292.28	292.27	0
54200000	60.338	360.55	0.12036	1.88328E-03	0.12023	0.98240	292.28	292.41	292.41	0
54210000	57.291	362.44	0.12623	1.92658E-03	0.12623	0.98413	289.07	289.06	289.06	0
54220000	55.099	365.56	0.13274	1.99013E-03	0.13274	0.98556	286.57	286.57	286.57	0

50030000	86.327	379.14	0.11575	2.10240E-03	0.1157	0.97406	316.50	316.50	316.50	0
50040000	85.644	376.70	0.11337	2.07036E-03	0.1133	0.97366	315.94	315.94	315.94	0
50050000	85.077	375.78	0.11278	2.06927E-03	0.11278	0.97367	315.47	315.47	315.47	0
C-52	SNGLVOL	COMPONENT								
52010000	84.237	361.12	9.53055E-02	1.75213E-03	9.53062E-02	0.96870	314.78	314.78	314.78	0
C-54	PIPE	COMPONENT								
54010000	80.362	361.13	9.91139E-02	1.78156E-03	9.91224E-02	0.97132	311.54	311.53	311.53	0
54020000	77.447	360.36	0.10110	1.79239E-03	0.10111	0.97290	309.01	309.00	309.00	0
54030000	75.172	359.52	0.10242	1.79415E-03	0.10242	0.97403	306.98	306.98	306.98	0
54040000	73.269	358.66	0.10337	1.79088E-03	0.10337	0.97492	305.24	305.24	305.24	0
54050000	71.600	357.80	0.10409	1.78439E-03	0.10409	0.97565	303.70	303.69	303.69	0
54060000	70.093	356.91	0.10463	1.77540E-03	0.10463	0.97628	302.27	302.27	302.27	0
54070000	68.704	355.96	0.10500	1.76410E-03	0.10500	0.97682	300.94	300.93	300.93	0

54080000	67.409	354.93	0.10518	1.75046E-03	0.10518	0.97728	299.67	299.67	299.67	0
54090000	66.196	353.79	0.10516	1.73450E-03	0.10516	0.97767	298.47	298.47	298.47	0
54100000	65.061	352.56	0.10495	1.71650E-03	0.10495	0.97799	297.33	297.33	297.33	0
54110000	64.009	351.25	0.10458	1.69705E-03	0.10458	0.97825	296.26	296.26	296.26	0
54120000	63.051	349.94	0.10409	1.67711E-03	0.10409	0.97845	295.27	295.27	295.27	0
54130000	62.205	348.69	0.10357	1.65799E-03	0.10357	0.97861	294.38	294.39	294.39	0
54140000	61.490	347.61	0.10311	1.64141E-03	0.10311	0.97874	293.63	293.63	293.63	0
54150000	60.928	346.83	0.10285	1.62958E-03	0.10285	0.97887	293.03	293.04	293.03	0
54160000	60.529	346.48	0.10294	1.62457E-03	0.10289	0.97902	292.56	292.61	292.61	0
54170000	60.290	346.74	0.10358	1.62987E-03	0.10351	0.97925	292.28	292.35	292.35	0
54180000	60.196	347.81	0.10502	1.64892E-03	0.10492	0.97959	292.15	292.25	292.25	0
54190000	60.216	349.93	0.10759	1.68655E-03	0.10747	0.98012	292.16	292.28	292.27	0
54200000	60.338	360.55	0.12036	1.88328E-03	0.12023	0.98240	292.28	292.41	292.41	0
54210000	57.291	362.44	0.12623	1.92658E-03	0.12623	0.98413	289.07	289.06	289.06	0
54220000	55.099	365.56	0.13274	1.99013E-03	0.13274	0.98556	286.57	286.57	286.56	0
54230000	53.583	369.97	0.14000	2.07551E-03	0.14000	0.98677	284.79	284.79	284.79	0
54240000	52.576	375.57	0.14805	2.18158E-03	0.14805	0.98782	283.59	283.59	283.59	0
54250000	51.906	381.91	0.15656	2.30125E-03	0.15657	0.98873	282.77	282.77	282.77	0
54260000	51.434	388.08	0.16461	2.41852E-03	0.16461	0.98946	282.20	282.20	282.20	0
54270000	51.069	392.62	0.17056	2.50708E-03	0.17056	0.98997	281.75	281.75	281.75	0
54280000	50.779	393.33	0.17180	2.52719E-03	0.17180	0.99011	281.39	281.39	281.39	0
54290000	50.433	390.43	0.16876	2.47942E-03	0.16876	0.98996	280.96	280.96	280.96	0
54300000	50.414	388.86	0.16690	2.45164E-03	0.16690	0.98983	280.93	280.93	280.93	0
54310000	50.359	385.42	0.16284	2.38776E-03	0.16284	0.98954	280.86	280.86	280.86	0
54320000	50.276	378.89	0.15509	2.26699E-03	0.15509	0.98894	280.76	280.76	280.76	0
54330000	50.159	370.09	0.14466	2.10598E-03	0.14466	0.98804	280.62	280.62	280.62	0
54340000	50.020	361.31	0.13428	1.94678E-03	0.13430	0.98701	280.46	280.45	280.45	0
54350000	49.916	354.21	0.12590	1.81914E-03	0.12590	0.98605	280.32	280.32	280.32	0
54360000	49.871	349.09	0.11981	1.72895E-03	0.11981	0.98526	280.26	280.26	280.26	0
54370000	49.886	345.55	0.11554	1.66951E-03	0.11554	0.98465	280.28	280.28	280.28	0
54380000	49.942	343.18	0.11263	1.63379E-03	0.11263	0.98419	280.35	280.35	280.35	0
54390000	50.003	341.69	0.11077	1.61675E-03	0.11077	0.98388	280.42	280.42	280.42	0
54400000	50.036	340.89	0.10977	1.61498E-03	0.10978	0.98371	280.46	280.46	280.46	0
54410000	50.019	340.63	0.10952	1.62598E-03	0.10952	0.98367	280.43	280.43	280.43	0
54420000	49.947	340.84	0.10989	1.64802E-03	0.10989	0.98375	280.33	280.33	280.33	0
54430000	49.822	341.45	0.11083	1.67989E-03	0.11083	0.98394	280.17	280.17	280.17	0
54440000	49.653	342.44	0.11228	1.72089E-03	0.11228	0.98422	279.95	279.95	279.95	0
54450000	49.449	343.78	0.11421	1.77065E-03	0.11421	0.98458	279.68	279.68	279.68	0
54460000	49.218	345.46	0.11660	1.82898E-03	0.11660	0.98499	279.38	279.38	279.38	0
54470000	48.963	347.49	0.11943	1.89572E-03	0.11943	0.98546	279.05	279.05	279.05	0
54480000	48.693	349.85	0.12268	1.97056E-03	0.12268	0.98597	278.69	278.70	278.69	0
54490000	48.410	352.49	0.12630	2.05283E-03	0.12630	0.98649	278.32	278.32	278.32	0
54500000	48.118	355.38	0.13021	2.14139E-03	0.13021	0.98703	277.93	277.94	277.94	0
54510000	47.822	358.41	0.13432	2.23445E-03	0.13431	0.98755	277.54	277.54	277.54	0
54520000	47.525	361.49	0.13847	2.32954E-03	0.13846	0.98805	277.14	277.15	277.15	0
54530000	47.231	364.46	0.14250	2.42365E-03	0.14249	0.98850	276.75	276.75	276.75	0
54540000	46.943	367.19	0.14623	2.51343E-03	0.14622	0.98890	276.36	276.37	276.37	0
54550000	46.663	369.55	0.14949	2.59562E-03	0.14948	0.98924	275.98	275.99	275.99	0
54560000	46.393	371.41	0.15214	2.66753E-03	0.15214	0.98952	275.62	275.62	275.62	0
54570000	46.134	372.71	0.15412	2.72751E-03	0.15412	0.98973	275.27	275.27	275.27	0
54580000	45.887	373.47	0.15541	2.77519E-03	0.15541	0.98988	274.93	274.93	274.93	0
54590000	45.654	373.72	0.15609	2.81151E-03	0.15609	0.98998	274.61	274.61	274.61	0
54600000	45.436	373.57	0.15626	2.83849E-03	0.15626	0.99004	274.31	274.31	274.31	0
54610000	45.232	373.13	0.15606	2.85877E-03	0.15606	0.99007	274.02	274.02	274.02	0
54620000	45.044	372.53	0.15564	2.87522E-03	0.15564	0.99008	273.76	273.76	273.76	0
54630000	44.872	371.87	0.15514	2.89048E-03	0.15514	0.99008	273.52	273.52	273.52	0
54640000	44.716	371.24	0.15466	2.90675E-03	0.15466	0.99007	273.30	273.30	273.30	0
54650000	44.574	370.71	0.15427	2.92557E-03	0.15427	0.99007	273.09	273.10	273.10	0
54660000	44.446	370.30	0.15401	2.94775E-03	0.15400	0.99008	272.91	272.91	272.91	0
54670000	44.327	369.98	0.15383	2.97264E-03	0.15383	0.99009	272.74	272.74	272.74	0

54680000	44.223	369.36	0.15328	2.99127E-03	0.15328	0.99007	272.59	272.59	272.59	0
54690000	44.122	367.94	0.15178	2.99076E-03	0.15178	0.98998	272.44	272.44	272.44	0
54700000	44.111	366.03	0.14955	2.97770E-03	0.14954	0.98981	272.41	272.41	272.41	0
54710000	44.092	362.56	0.14546	2.92597E-03	0.14545	0.98948	272.37	272.38	272.38	0
54720000	44.069	357.05	0.13893	2.82215E-03	0.13892	0.98891	272.33	272.34	272.34	0
54730000	44.044	349.07	0.12944	2.65377E-03	0.12942	0.98798	272.29	272.30	272.30	0
54740000	44.016	338.78	0.11716	2.42297E-03	0.11715	0.98656	272.24	272.25	272.25	0
54750000	43.984	327.04	0.10316	2.15049E-03	0.10314	0.98454	272.19	272.20	272.20	0
54760000	43.946	315.09	8.89047E-02	1.86700E-03	8.88842E-02	0.98184	272.12	272.14	272.14	0
54770000	43.895	303.91	7.55982E-02	1.59882E-03	7.55718E-02	0.97843	272.04	272.06	272.06	0
54780000	43.823	294.01	6.38558E-02	1.36022E-03	6.38214E-02	0.97429	271.93	271.96	271.96	0
54790000	43.720	285.47	5.38073E-02	1.15538E-03	5.37622E-02	0.96938	271.76	271.81	271.80	0
54800000	43.578	278.21	4.53609E-02	9.83614E-04	4.53021E-02	0.96368	271			



54550000	46.943	369.55	0.14949	2.59562E-03	0.14949	0.98890	275.98	275.99	275.99	0
54560000	46.393	371.41	0.15214	2.66753E-03	0.15214	0.98952	275.62	275.62	275.62	0
54570000	46.134	372.71	0.15412	2.72751E-03	0.15412	0.98973	275.27	275.27	275.27	0
54580000	45.887	373.47	0.15541	2.77519E-03	0.15541	0.98988	274.93	274.93	274.93	0
54590000	45.654	373.72	0.15609	2.81151E-03	0.15609	0.98998	274.61	274.61	274.61	0
54600000	45.436	373.57	0.15626	2.83849E-03	0.15626	0.99004	274.31	274.31	274.31	0
54610000	45.232	373.13	0.15606	2.85877E-03	0.15606	0.99007	274.02	274.02	274.02	0
54620000	45.044	372.53	0.15564	2.87522E-03	0.15564	0.99008	273.76	273.76	273.76	0
54630000	44.872	371.87	0.15514	2.89048E-03	0.15514	0.99008	273.52	273.52	273.52	0
54640000	44.716	371.24	0.15466	2.90675E-03	0.15466	0.99007	273.30	273.30	273.30	0
54650000	44.574	370.71	0.15427	2.92557E-03	0.15427	0.99007	273.09	273.10	273.10	0
54660000	44.446	370.30	0.15401	2.94775E-03	0.15400	0.99008	272.91	272.91	272.91	0
54670000	44.327	369.98	0.15383	2.97264E-03	0.15383	0.99009	272.74	272.74	272.74	0

54680000	44.223	369.36	0.15328	2.99127E-03	0.15328	0.99007	272.59	272.59	272.59	0
54690000	44.122	367.94	0.15178	2.99076E-03	0.15178	0.98998	272.44	272.44	272.44	0
54700000	44.111	366.03	0.14955	2.97770E-03	0.14954	0.98981	272.41	272.41	272.41	0
54710000	44.092	362.56	0.14546	2.92597E-03	0.14545	0.98948	272.37	272.38	272.38	0
54720000	44.069	357.05	0.13893	2.82215E-03	0.13892	0.98891	272.33	272.34	272.34	0
54730000	44.044	349.07	0.12944	2.65377E-03	0.12942	0.98798	272.29	272.30	272.30	0
54740000	44.016	338.78	0.11716	2.42297E-03	0.11715	0.98656	272.24	272.25	272.25	0
54750000	43.984	327.04	0.10316	2.15049E-03	0.10314	0.98454	272.19	272.20	272.20	0
54760000	43.946	315.09	8.89047E-02	1.86700E-03	8.88842E-02	0.98184	272.12	272.14	272.14	0
54770000	43.895	303.91	7.55982E-02	1.59882E-03	7.55718E-02	0.97843	272.04	272.06	272.06	0
54780000	43.823	294.01	6.38558E-02	1.36022E-03	6.38214E-02	0.97429	271.93	271.96	271.96	0
54790000	43.720	285.47	5.38073E-02	1.15538E-03	5.37622E-02	0.96938	271.76	271.81	271.80	0
54800000	43.578	278.21	4.53609E-02	9.83614E-04	4.53021E-02	0.96368	271.54	271.60	271.60	0
54810000	43.394	272.10	3.83781E-02	8.43026E-04	3.83022E-02	0.95723	271.26	271.33	271.32	0
54820000	43.165	267.04	3.27459E-02	7.32132E-04	3.26503E-02	0.95019	270.90	270.99	270.98	0
54830000	42.893	262.95	2.83629E-02	6.49970E-04	2.82470E-02	0.94301	270.47	270.58	270.57	0
54840000	42.585	259.73	2.51137E-02	5.96098E-04	2.49787E-02	0.93631	269.98	270.11	270.10	0
54850000	42.253	257.31	2.28832E-02	5.71654E-04	2.27325E-02	0.93085	269.44	269.58	269.57	0
54860000	41.919	255.61	2.15827E-02	5.81108E-04	2.14207E-02	0.92737	268.87	269.02	269.00	0
54870000	41.606	254.62	2.11677E-02	6.34497E-04	2.09976E-02	0.92644	268.28	268.44	268.43	0
54880000	41.343	254.34	2.16511E-02	7.50730E-04	2.14733E-02	0.92828	267.70	267.87	267.85	0
54890000	41.156	254.83	2.31146E-02	9.62688E-04	2.29255E-02	0.93272	267.12	267.31	267.29	0
54900000	41.066	256.17	2.57074E-02	1.32460E-03	2.55005E-02	0.93915	266.56	266.77	266.74	0
54910000	41.079	258.40	2.95903E-02	1.91869E-03	2.93614E-02	0.94663	266.00	266.23	266.20	0
54920000	41.181	261.34	3.47075E-02	2.84629E-03	3.44557E-02	0.95397	265.39	265.65	265.61	0
54930000	41.344	264.15	4.02164E-02	4.16080E-03	3.99355E-02	0.95977	264.64	264.94	264.89	0
54940000	41.582	264.93	4.38435E-02	5.71933E-03	4.35163E-02	0.96253	263.70	264.06	263.99	0
54950000	42.542	261.94	4.26535E-02	7.22872E-03	4.22197E-02	0.96005	263.09	263.57	263.47	0

C-56	PIPE	COMPONENT								
56010000	43.466	258.00	4.51699E-02	1.11928E-02	4.49692E-02	0.96029	260.51	260.78	260.68	0
56020000	45.240	252.96	4.94625E-02	1.70224E-02	4.91695E-02	0.96083	256.91	257.37	257.18	0
56030000	48.020	247.21	5.67008E-02	2.56109E-02	5.63673E-02	0.96218	252.48	253.08	252.79	0
56040000	51.113	240.84	6.84352E-02	3.79726E-02	6.81580E-02	0.96526	246.79	247.37	247.06	0
56050000	53.338	234.37	8.64970E-02	5.53355E-02	8.63313E-02	0.97041	239.76	240.16	239.93	0
56060000	54.354	228.48	0.11293	7.96110E-02	0.11285	0.97655	231.84	232.07	231.92	0
56070000	54.605	223.81	0.15056	0.11374	0.15053	0.98240	223.62	223.74	223.65	0
56080000	54.481	220.88	0.20322	0.16163	0.20321	0.98738	215.47	215.53	215.48	0
56090000	54.205	220.25	0.27520	0.22756	0.27519	0.99132	207.70	207.74	207.70	0
56100000	53.948	222.45	0.36964	0.31471	0.36963	0.99427	200.65	200.70	200.67	0
56110000	53.729	227.76	0.48583	0.42254	0.48583	0.99639	194.70	194.71	194.70	0
56120000	53.435	235.81	0.61596	0.54357	0.61596	0.99786	189.97	189.87	189.96	0
56130000	53.095	245.21	0.74490	0.66357	0.74491	0.99882	186.49	186.56	186.49	0
56140000	52.777	254.10	0.85568	0.76662	0.85568	0.99941	184.16	184.14	184.16	0
56150000	52.676	261.17	0.93788	0.84301	0.93790	0.99977	182.85	183.00	182.86	0
56160000	52.905	266.46	0.99121	0.89230	0.99153	0.99996	182.47	184.14	182.59	0
56170000	52.356	264.03	0.99999	0.92154	1.0000	1.0000	172.01	266.70	266.69	0
56180000	52.026	262.05	1.0000	0.93718	1.0000	1.0000	162.63	332.15	332.15	0
56190000	51.858	261.11	1.0000	0.94397	1.0000	1.0000	157.89	360.66	360.66	0
56200000	51.748	260.65	1.0000	0.94660	1.0000	1.0000	155.88	371.22	371.22	0
56210000	51.621	260.33	1.0000	0.94754	1.0000	1.0000	155.07	374.23	374.23	0
56220000	51.452	260.06	1.0000	0.94785	1.0000	1.0000	154.70	374.33	374.33	0
56230000	51.251	259.80	1.0000	0.94795	1.0000	1.0000	154.46	373.44	373.44	0
56240000	51.045	259.57	1.0000	0.94798	1.0000	1.0000	154.27	372.33	372.33	0
56250000	50.852	259.36	1.0000	0.94799	1.0000	1.0000	154.11	371.25	371.25	0
56260000	50.679	259.17	1.0000	0.94799	1.0000	1.0000	153.97	370.25	370.25	0
56270000	50.518	259.00	1.0000	0.94800	1.0000	1.0000	153.84	369.30	369.30	0
56280000	50.359	258.82	1.0000	0.94800	1.0000	1.0000	153.71	368.33	368.33	0
56290000	50.194	258.63	1.0000	0.94800	1.0000	1.0000	153.58	367.31	367.31	0
56300000	50.021	258.43	1.0000	0.94800	1.0000	1.0000	153.43	366.25	366.25	0
56310000	49.840	258.23	1.0000	0.94800	1.0000	1.0000	153.28	365.15	365.15	0

56320000	49.656	258.03	1.0000	0.94800	1.0000	1.0000	153.13	364.06	364.06	0
56330000	49.474	257.83	1.0000	0.94800	1.0000	1.0000	152.98	362.98	362.98	0
56340000	49.296	257.64	1.0000	0.94800	1.0000	1.0000	152.84	361.94	361.94	0
56350000	49.124	257.45	1.0000	0.94800	1.0000	1.0000	152.69	360.93	360.93	0
C-58	PIPE	COMPONENT								
58010000	48.939	257.26	1.0000	0.94800	1.0000	1.0000	152.54	359.90	359.90	0
58020000	48.757	257.08	1.0000	0.94800	1.0000	1.0000	152.39	358.92	358.92	0
58030000	48.582	256.91	1.0000	0.94800	1.0000	1.0000	152.24	358.01	358.01	0
58040000	48.415	256.75	1.0000	0.94800	1.0000	1.0000	152.10	357.16	357.16	0
58050000	48.257	256.60	1.0000	0.94800	1.0000	1.0000	151.97	356.35	356.35	0
58060000	48.112	256.46	1.0000	0.94800	1.0000	1.0000	151.84	355.58	355.58	0
58070000	47.978	256.33	1.0000	0.94800	1.0000	1.0000	151.73	354.87	354.87	0
C-60	PIPE	COMPONENT								
60010000	47.841	256.21	1.0000	0.94799	1.0000	1.0000	151.62	354.23	354.23	0
60020000	47.722	256.11	1.0000	0.94799	1.0000	1.0000	151.50	353.27	353.27	0

56180000	52.026	262.05	1.0000	0.93718	1.0000	1.0000	162.63	332.15	332.15	0
56190000	51.858	261.11	1.0000	0.94397	1.0000	1.0000	157.89	360.66	360.66	0
56200000	51.748	260.65	1.0000	0.94660	1.0000	1.0000	155.88	371.22	371.22	0
56210000	51.621	260.33	1.0000	0.94754	1.0000	1.0000	155.07	374.23	374.23	0
56220000	51.452	260.06	1.0000	0.94785	1.0000	1.0000	154.70	374.33	374.33	0
56230000	51.251	259.80	1.0000	0.94795	1.0000	1.0000	154.46	373.44	373.44	0
56240000	51.045	259.57	1.0000	0.94798	1.0000	1.0000	154.27	372.33	372.33	0
56250000	50.852	259.36	1.0000	0.94799	1.0000	1.0000	154.11	371.25	371.25	0
56260000	50.679	259.17	1.0000	0.94799	1.0000	1.0000	153.97	370.25	370.25	0
56270000	50.518	259.00	1.0000	0.94800	1.0000	1.0000	153.84	369.30	369.30	0
56280000	50.359	258.82	1.0000	0.94800	1.0000	1.0000	153.71	368.33	368.33	0
56290000	50.194	258.63	1.0000	0.94800	1.0000	1.0000	153.58	367.31	367.31	0
56300000	50.021	258.43	1.0000	0.94800	1.0000	1.0000	153.43	366.25	366.25	0
56310000	49.840	258.23	1.0000	0.94800	1.0000	1.0000	153.28	365.15	365.15	0

56320000	49.656	258.03	1.0000	0.94800	1.0000	1.0000	153.13	364.06	364.06	0
56330000	49.474	257.83	1.0000	0.94800	1.0000	1.0000	152.98	362.98	362.98	0
56340000	49.296	257.64	1.0000	0.94800	1.0000	1.0000	152.84	361.94	361.94	0
56350000	49.124	257.45	1.0000	0.94800	1.0000	1.0000	152.69	360.93	360.93	0

C-58 PIPE COMPONENT

58010000	48.939	257.26	1.0000	0.94800	1.0000	1.0000	152.54	359.90	359.90	0
58020000	48.757	257.08	1.0000	0.94800	1.0000	1.0000	152.39	358.92	358.92	0
58030000	48.582	256.91	1.0000	0.94800	1.0000	1.0000	152.24	358.01	358.01	0
58040000	48.415	256.75	1.0000	0.94800	1.0000	1.0000	152.10	357.16	357.16	0
58050000	48.257	256.60	1.0000	0.94800	1.0000	1.0000	151.97	356.35	356.35	0
58060000	48.112	256.46	1.0000	0.94800	1.0000	1.0000	151.84	355.58	355.58	0
58070000	47.978	256.33	1.0000	0.94800	1.0000	1.0000	151.73	354.87	354.87	0

C-60 PIPE COMPONENT

60010000	47.841	256.21	1.0000	0.94799	1.0000	1.0000	151.62	354.23	354.23	0
60020000	47.722	256.11	1.0000	0.94791	1.0000	1.0000	151.58	353.27	353.27	0
60030000	47.620	255.87	1.0000	0.94563	1.0000	1.0000	153.18	340.63	340.63	0

C-62 PIPE COMPONENT

62010000	47.524	242.44	0.89116	0.81266	0.89116	0.99961	172.46	172.48	172.46	0
62020000	47.457	105.68	9.08981E-02	8.82111E-02	9.08356E-02	0.96648	128.79	129.72	128.87	0

C-64 SNGLVOL COMPONENT

64010000	44.550	88.379	2.52286E-03	2.45962E-03	2.52059E-03	0.43368	120.18	121.44	120.18	10
----------	--------	--------	-------------	-------------	-------------	---------	--------	--------	--------	----

C-66 SNGLVOL COMPONENT

66010000	40.237	88.032	4.91102E-04	4.78405E-04	4.91535E-04	0.14094	120.04	118.88	120.04	10
----------	--------	--------	-------------	-------------	-------------	---------	--------	--------	--------	----

C-68 SNGLVOL COMPONENT

68010000	34.239	87.970	9.33333E-05	9.08211E-05	9.37711E-05	3.51033E-02	120.01	114.57	120.01	10
----------	--------	--------	-------------	-------------	-------------	-------------	--------	--------	--------	----

C-69 BRANCH COMPONENT

69010000	23.064	87.957	5.60001E-06	5.44095E-06	5.71004E-06	3.16657E-03	120.00	102.82	120.00	10
----------	--------	--------	-------------	-------------	-------------	-------------	--------	--------	--------	----

C-70 BRANCH COMPONENT

70010000	16.669	87.957	1.00482E-07	9.74992E-08	1.04367E-07	7.76182E-05	120.00	93.554	120.00	10
----------	--------	--------	-------------	-------------	-------------	-------------	--------	--------	--------	----

C-71 SNGLVOL COMPONENT

71010000	13.929	87.957	0.00000	0.00000	0.00000	0.00000	120.00	120.00	120.00	10
----------	--------	--------	---------	---------	---------	---------	--------	--------	--------	----

C-73 BRANCH COMPONENT

73010000	10.833	87.949	2.82732E-08	2.61100E-08	2.91235E-08	3.55558E-05	119.99	109.87	119.99	0
----------	--------	--------	-------------	-------------	-------------	-------------	--------	--------	--------	---

C-75 SNGLVOL COMPONENT

75010000	9.5632	119.61	0.22110	0.19938	0.22110	0.99758	113.79	113.79	113.79	0
----------	--------	--------	---------	---------	---------	---------	--------	--------	--------	---

C-76 PIPE COMPONENT

76010000	268.27	960.60	0.81191	0.00000	0.78784	0.99728	407.23	367.51	407.23	10
76020000	219.27	946.61	0.78897	0.00000	0.77644	0.99754	389.59	366.71	389.59	10
76030000	201.77	942.79	0.78295	0.00000	0.77452	0.99769	382.54	366.60	382.54	10
76040000	190.82	937.14	0.77383	0.00000	0.76918	0.99772	377.89	368.83	377.89	0

C-79 SNGLVOL COMPONENT

79010000	2696.2	1013.0	1.0000	0.00000	0.99756	1.0000	679.32	679.18	679.32	0
----------	--------	--------	--------	---------	---------	--------	--------	--------	--------	---

C-81 SNGLVOL COMPONENT

81010000	2696.3	1012.9	1.0000	0.00000	0.99720	1.0000	679.32	679.17	679.32	0
----------	--------	--------	--------	---------	---------	--------	--------	--------	--------	---

C-83 PIPE COMPONENT

83010000	2703.4	1014.9	1.0000	0.00000	1.0000	1.0000	680.28	680.28	680.28	0
83020000	2703.4	1012.9	1.0000	0.00000	1.0000	1.0000	679.71	679.71	679.71	0

C-85 PIPE COMPONENT

85010000	2704.7	1012.8	1.0000	0.00000	1.0000	1.0000	679.79	679.79	679.79	0
85020000	2704.7	1015.0	1.0000	0.00000	1.0000	1.0000	680.39	680.39	680.39	0

C-87 PIPE COMPONENT

87010000	2697.9	1012.6	0.99999	0.00000	0.99676	1.0000	679.41	679.23	679.41	0
----------	--------	--------	---------	---------	---------	--------	--------	--------	--------	---

C-89 SNGLVOL COMPONENT

89010000	2699.4	1012.5	0.99999	0.00000	0.99702	1.0000	679.49	679.33	679.49	0
----------	--------	--------	---------	---------	---------	--------	--------	--------	--------	---

C-91 PIPE COMPONENT

91010000	2700.3	1012.1	1.0000	0.00000	0.99583	1.0000	679.54	679.31	679.54	0
91020000	2699.9	1012.2	0.99999	0.00000	0.99625	1.0000	679.52	679.32	679.52	0
91030000	2699.6	1012.4	0.99999	0.00000	0.99670	1.0000	679.51	679.32	679.51	0

C-93 SNGLVOL COMPONENT

93010000	15 723	234.82	0.97645	0.89879	0.97645	0.99997	123.46	123.46	123.46	0
----------	--------	--------	---------	---------	---------	---------	--------	--------	--------	---

C-95 SNGLVOL COMPONENT

95010000	205.88	941.18	0.77218	0.00000	0.77164	0.99755	384.24	383.20	384.24	0
----------	--------	--------	---------	---------	---------	---------	--------	--------	--------	---

C-96 SNGLVOL COMPONENT

96010000	261.32	963.08	0.79216	0.00000	0.79216	0.99722	404.89	404.89	404.89	0
----------	--------	--------	---------	---------	---------	---------	--------	--------	--------	---

C-97 BRANCH COMPONENT

97010000	209.71	941.82	0.77283	0.00000	0.77178	0.99751	385.80	383.83	385.80	0
----------	--------	--------	---------	---------	---------	---------	--------	--------	--------	---

C-99 SNGLVOL COMPONENT

99010000	2694.6	1013.3	0.99999	0.00000	0.99807	0.99999	679.23	679.12	679.23	0
----------	--------	--------	---------	---------	---------	---------	--------	--------	--------	---

C-101 SNGLVOL COMPONENT

101010000	2694.8	1013.2	0.99999	0.00000	0.99772	0.99999	679.24	679.11	679.24	0
-----------	--------	--------	---------	---------	---------	---------	--------	--------	--------	---

C-103 PIPE COMPONENT

103010000	2696.2	1013.0	0.99999	0.00000	0.99760	0.99999	679.32	679.18	679.32	0
103020000	2696.1	1013.1	0.99999	0.00000	0.99788	0.99999	679.31	679.19	679.31	0

C-105 PIPE COMPONENT

105010000	2697.8	1012.7	0.99999	0.00000	0.99727	0.99999	679.24	679.11	679.24	0
-----------	--------	--------	---------	---------	---------	---------	--------	--------	--------	---

85010000	PIPE	COMPONENT	2704.7	1012.8	1.0000	0.00000	1.0000	1.0000	679.71	679.71	679.71	0
85020000	PIPE	COMPONENT	2704.7	1015.0	1.0000	0.00000	1.0000	1.0000	679.79	679.79	679.79	0
C-87	PIPE	COMPONENT	2697.9	1012.6	0.99999	0.00000	0.99676	1.0000	679.41	679.23	679.41	0
C-89	SNGLVOL	COMPONENT	2699.4	1012.5	0.99999	0.00000	0.99702	1.0000	679.49	679.33	679.49	0
C-91	PIPE	COMPONENT	2700.3	1012.1	1.0000	0.00000	0.99583	1.0000	679.54	679.31	679.54	0
91020000	PIPE	COMPONENT	2699.9	1012.2	0.99999	0.00000	0.99625	1.0000	679.52	679.32	679.52	0
91030000	PIPE	COMPONENT	2699.6	1012.4	0.99999	0.00000	0.99670	1.0000	679.51	679.32	679.51	0
C-93	SNGLVOL	COMPONENT	15.323	234.82	0.97645	0.89879	0.97645	0.99997	123.46	123.46	123.46	0

C-95	SNGLVOL	COMPONENT	205.00	941.18	0.77218	0.00000	0.77164	0.99755	384.24	383.20	384.24	0
C-96	SNGLVOL	COMPONENT	261.32	963.08	0.79216	0.00000	0.79216	0.99722	404.89	404.89	404.89	0
C-97	BRANCH	COMPONENT	209.71	941.82	0.77283	0.00000	0.77178	0.99751	385.80	383.83	385.80	0
C-99	SNGLVOL	COMPONENT	2694.6	1013.3	0.99999	0.00000	0.99807	0.99999	679.23	679.12	679.23	0
C-101	SNGLVOL	COMPONENT	2694.8	1013.2	0.99999	0.00000	0.99772	0.99999	679.24	679.11	679.24	0
C-103	PIPE	COMPONENT	2696.2	1013.0	0.99999	0.00000	0.99760	0.99999	679.32	679.18	679.32	0
103020000	PIPE	COMPONENT	2696.1	1013.1	0.99999	0.00000	0.99788	0.99999	679.31	679.19	679.31	0
C-105	PIPE	COMPONENT	2697.8	1012.7	0.99999	0.00000	0.99727	1.0000	679.40	679.25	679.40	0
105020000	PIPE	COMPONENT	2697.5	1012.9	0.99999	0.00000	0.99774	0.99999	679.39	679.26	679.39	0
C-107	SNGLVOL	COMPONENT	2697.9	1012.6	0.99999	0.00000	0.99679	1.0000	679.41	679.23	679.41	0
C-109	SNGLVOL	COMPONENT	2699.4	1012.5	0.99999	0.00000	0.99705	1.0000	679.49	679.33	679.49	0
C-111	PIPE	COMPONENT	2700.3	1012.1	1.0000	0.00000	0.99582	1.0000	679.54	679.31	679.54	0
111020000	PIPE	COMPONENT	2700.0	1012.2	0.99999	0.00000	0.99626	1.0000	679.52	679.32	679.52	0
111030000	PIPE	COMPONENT	2699.7	1012.4	0.99999	0.00000	0.99672	1.0000	679.51	679.33	679.51	0
C-113	TMDPVOL	COMPONENT	2711.5	1012.0	1.0000	0.00000	1.0000	1.0000	680.16	680.16	680.16	0
C-114	PIPE	COMPONENT	241.04	689.26	0.43051	2.75560E-03	0.43051	0.98725	397.38	397.38	397.38	0
114020000	PIPE	COMPONENT	240.30	668.23	0.40471	4.39508E-03	0.40472	0.98587	396.84	396.84	396.84	0
114030000	PIPE	COMPONENT	239.48	517.35	0.20148	3.29871E-03	0.20148	0.96289	396.20	396.21	396.20	0
C-136	SNGLVOL	COMPONENT	217.52	943.85	0.77456	0.00000	0.77307	0.99744	388.90	386.12	388.90	0
V-CASE	SNGLVOL	COMPONENT	2018.7	994.82	0.81960	0.00000	0.81960	0.97040	637.12	637.12	637.12	11
C-193	SNGLVOL	COMPONENT	15.296	231.27	0.95296	0.87726	0.95296	0.99994	123.35	123.35	123.35	0
C-195	PIPE	COMPONENT	200.56	932.22	0.76668	4.31947E-03	0.76609	0.99754	381.72	380.57	381.71	0
195020000	PIPE	COMPONENT	182.68	929.24	0.76536	3.65760E-03	0.76491	0.99775	374.02	373.11	374.02	0
V-CASE	SNGLVOL	COMPONENT	2014.4	997.82	0.82677	0.00000	0.82677	0.97189	636.82	636.82	636.82	11

VOL.NO.	RHO (LB/FT3)	RHOF (LB/FT3)	RHOG (LB/FT3)	VOLUME (FT3)	UF (BTU/LB)	UG (BTU/LB)	SOUND (FT/SEC)	HEAT INPUT (BTU/SEC)	VAPOR GEN. (LB/FT3-SEC)
1010000	9.0155	32.897	9.0155	0.00000	743.81	1012.0	1078.7	0.00000	21.952
36010000	0.83332	53.022	0.66860	0.14070	390.52	1101.3	1355.6	0.00000	-21.082
36020000	0.69947	53.677	0.55179	0.14070	373.66	1106.0	1349.8	0.00000	-13.729
36030000	0.65559	53.890	0.51109	0.14070	368.08	1110.7	1346.1	0.00000	-6.3244
38010000	0.70364	53.456	0.56602	0.35072	379.42	1116.2	1375.1	0.00000	-1.08912E-02
38020000	0.70161	53.458	0.56573	0.35072	379.36	1116.2	1377.0	0.00000	-1.97992E-02
38030000	0.70075	53.461	0.56531	0.35072	379.29	1116.2	1377.3	0.00000	-3.01230E-02
38040000	0.70511	53.466	0.56486	0.35072	379.15	1115.6	1371.7	0.00000	-4.38536E-02
38050000	0.74580	53.483	0.56506	0.35072	378.71	1111.2	1327.6	0.00000	-5.16362E-02
38060000	0.89760	53.556	0.56877	0.35072	376.87	1088.6	1192.3	0.00000	-3.39560E-02
38070000	1.2878	53.734	0.57934	0.35072	372.35	1033.3	961.90	0.00000	6.42025E-02
40010000	0.70460	53.454	0.56622	0.21862	379.45	1116.2	1374.3	0.00000	-7.80070E-03
42010000	2.1311	53.805	0.58273	0.32880	370.51	1013.0	698.44	0.00000	0.40362
44010000	0.58493	54.328	0.44881	0.16683	356.41	1107.0	1335.6	0.00000	-1.1120
46010000	0.74289	53.728	0.52750	0.20824	372.35	1113.1	1279.7	0.00000	0.36965
46020000	0.83822	53.731	0.52702	0.35620	372.27	1113.5	1191.9	0.00000	-7.91944E-02

46030000	1.0546	53.746	0.52561	0.35620	371.88	1112.2	1037.5	0.00000	0.20073
48010000	1.5040	56.255	0.23867	0.27948	301.70	1093.6	498.73	0.00000	32.656
48020000	1.2788	56.421	0.22466	0.27948	296.75	1092.1	535.19	0.00000	1.5589
48030000	1.2486	56.498	0.21837	0.27948	294.43	1090.6	533.66	0.00000	0.49389
48040000	1.2906	56.541	0.21499	0.27948	293.12	1089.3	516.18	0.00000	4.58427E-02
48050000	1.3557	56.575	0.21237	0.27948	292.09	1088.4	494.77	0.00000	-0.12970
48060000	1.4161	56.603	0.21012	0.27948	291.23	1087.8	476.50	0.00000	-0.22723
48070000	1.4654	56.627	0.20920	0.27948	290.50	1087.5	462.26	0.00000	-0.27870
48080000	1.5002	56.647	0.20658	0.27948	289.89	1087.3	452.24	0.00000	-0.30629
48090000	1.6233	56.666	0.20500	0.27948	289.29	1087.1	425.26	0.00000	-0.31911
50010000	1.6310	56.705	0.20186	0.28824	288.10	1086.9	419.29	0.00000	0.35338
50020000	1.6463	56.733	0.19961	0.28824	287.24	1086.7	413.24	0.00000	2.53377E-02
50030000	1.6648	56.756	0.19784	0.28824	286.55	1086.5	407.36	0.00000	-9.68876E-03
50040000	1.6864	56.775	0.19637	0.28824	285.97	1086.3	401.48	0.00000	-2.01951E-02
50050000	1.6848	56.790	0.19515	0.28824	285.40	1086.1	395.60	0.00000	2.70825E-02

36030000	0.65559	53.490	0.51109	0.14070	373.88	1106.0	1349.8	0.00000	-13.729
36010000	0.70364	53.456	0.56602	0.35072	368.00	1110.7	1346.1	0.00000	-6.3244
36020000	0.70161	53.458	0.56573	0.35072	379.40	1116.2	1375.1	0.00000	-1.08912E-02
36030000	0.70075	53.461	0.56531	0.35072	379.36	1116.2	1377.0	0.00000	-1.97992E-02
38040000	0.70511	53.466	0.56486	0.35072	379.29	1116.2	1377.3	0.00000	-3.01230E-02
38050000	0.74580	53.483	0.56506	0.35072	379.15	1115.6	1371.7	0.00000	-4.38536E-02
38060000	0.89760	53.556	0.56877	0.35072	378.71	1111.2	1327.6	0.00000	-5.16362E-02
38070000	1.2878	53.734	0.57934	0.35072	376.87	1088.6	1192.3	0.00000	-3.39560E-02
40010000	0.70460	53.454	0.56622	0.21862	372.35	1033.3	961.90	0.00000	6.42025E-02
42010000	2.1311	53.805	0.58273	0.32880	379.45	1116.2	1374.3	0.00000	-7.80070E-03
44010000	0.58493	54.328	0.44881	0.16683	370.51	1013.0	698.44	0.00000	0.40362
46010000	0.74289	53.728	0.52750	0.20824	356.41	1107.0	1335.6	0.00000	-1.1120
46020000	0.83822	53.731	0.52702	0.35620	372.25	1113.1	1279.7	0.00000	0.36965
					372.27	1113.5	1191.9	0.00000	-7.91944E-02

46030000	1.0546	53.746	0.52561	0.35620	371.80	1112.2	1037.5	0.00000	0.20073
48010000	1.5040	56.255	0.23867	0.27948	301.70	1093.6	498.73	0.00000	32.626
48020000	1.2788	56.421	0.22466	0.27948	296.75	1092.1	535.19	0.00000	1.5589
48030000	1.2486	56.498	0.21837	0.27948	294.43	1090.6	533.66	0.00000	0.49389
48040000	1.2906	56.541	0.21499	0.27948	293.12	1089.3	516.18	0.00000	4.58427E-02
48050000	1.3557	56.575	0.21237	0.27948	292.09	1088.4	494.77	0.00000	-0.12970
48060000	1.4161	56.603	0.21012	0.27948	291.23	1087.8	476.50	0.00000	-0.22723
48070000	1.4654	56.627	0.20820	0.27948	290.50	1087.5	462.26	0.00000	-0.27870
48080000	1.5002	56.647	0.20658	0.27948	289.89	1087.3	452.24	0.00000	-0.30629
48090000	1.6233	56.666	0.20500	0.27948	289.29	1087.1	425.26	0.00000	-0.31911
50010000	1.6310	56.705	0.20186	0.28824	288.10	1086.9	419.29	0.00000	0.35338
50020000	1.6463	56.733	0.19961	0.28824	287.24	1086.7	413.24	0.00000	2.53377E-02
50030000	1.6648	56.756	0.19784	0.28824	286.55	1086.5	407.36	0.00000	-9.68876E-03
50040000	1.6864	56.775	0.19637	0.28824	285.97	1086.3	401.48	0.00000	-2.01951E-02
50050000	1.6848	56.790	0.19515	0.28824	285.48	1086.1	400.00	0.00000	-2.70440E-02
52010000	1.9651	56.813	0.19333	0.27400	284.77	1085.9	354.83	0.00000	0.15272
54010000	1.8120	56.921	0.18490	0.30578	281.43	1085.6	365.08	0.00000	2.8094
54020000	1.7181	57.004	0.17854	0.30578	278.81	1085.3	370.39	0.00000	1.6644
54030000	1.5507	57.071	0.17357	0.30578	276.72	1085.1	373.89	0.00000	1.3111
54040000	1.5977	57.127	0.16940	0.30578	274.93	1084.9	376.42	0.00000	1.0999
54050000	1.5536	57.178	0.16575	0.30578	273.33	1084.8	378.34	0.00000	0.95958
54060000	1.5157	57.224	0.16244	0.30578	271.86	1084.7	379.79	0.00000	0.85694
54070000	1.4829	57.267	0.15939	0.30578	270.48	1084.6	380.77	0.00000	0.77430
54080000	1.4546	57.307	0.15655	0.30578	269.18	1084.4	381.27	0.00000	0.70077
54090000	1.4307	57.346	0.15389	0.30578	267.94	1084.3	381.26	0.00000	0.62844
54100000	1.4108	57.382	0.15139	0.30578	266.76	1084.2	380.75	0.00000	0.55029
54110000	1.3946	57.416	0.14908	0.30578	265.66	1084.1	379.83	0.00000	0.46059
54120000	1.3816	57.448	0.14698	0.30578	264.64	1084.0	378.62	0.00000	0.34977
54130000	1.3711	57.476	0.14512	0.30578	263.74	1083.9	377.30	0.00000	0.21819
54140000	1.3625	57.500	0.14354	0.30578	262.96	1083.8	376.14	0.00000	6.15744E-02
54150000	1.3544	57.519	0.14230	0.30578	262.35	1083.8	375.47	0.00000	-0.11628
54160000	1.3450	57.534	0.14142	0.30578	261.87	1083.7	375.61	0.00000	-0.25903
54170000	1.3320	57.543	0.14090	0.30578	261.58	1083.7	377.20	0.00000	-0.44177
54180000	1.3122	57.547	0.14069	0.30578	261.45	1083.7	380.83	0.00000	-0.59141
54190000	1.2820	57.546	0.14073	0.30578	261.45	1083.8	387.36	0.00000	-0.69399
54200000	1.1508	57.542	0.14100	0.30578	261.59	1083.8	419.00	0.00000	-0.70222
54210000	1.0469	57.643	0.13428	0.30578	258.29	1083.4	433.40	0.00000	1.8931
54220000	0.96103	57.721	0.12944	0.30578	255.74	1083.1	448.63	0.00000	1.3166
54230000	0.88872	57.776	0.12609	0.30578	253.93	1082.8	465.16	0.00000	0.83102
54240000	0.82644	57.813	0.12386	0.30578	252.70	1082.6	483.00	0.00000	0.50483
54250000	0.77286	57.838	0.12238	0.30578	251.87	1082.4	501.35	0.00000	0.31118
54260000	0.72936	57.856	0.12134	0.30578	251.28	1082.3	518.25	0.00000	0.20782
54270000	0.69960	57.870	0.12053	0.30578	250.82	1082.2	530.48	0.00000	0.16794
54280000	0.69096	57.881	0.11989	0.30578	250.46	1082.1	532.99	0.00000	-3.24954E-03
54290000	0.69879	57.894	0.11912	0.30578	250.02	1082.0	526.77	0.00000	0.24266
54300000	0.70626	57.895	0.11908	0.30578	249.99	1082.0	522.93	0.00000	0.11022
54310000	0.72290	57.897	0.11896	0.30578	249.92	1082.0	514.51	0.00000	7.00566E-02
54320000	0.75740	57.900	0.11877	0.30578	249.82	1082.0	498.14	0.00000	6.49456E-02
54330000	0.80947	57.904	0.11851	0.30578	249.67	1082.0	475.48	0.00000	7.41531E-02
54340000	0.86882	57.909	0.11820	0.30578	249.51	1082.1	452.19	0.00000	8.54774E-02
54350000	0.92393	57.914	0.11797	0.30578	249.37	1082.1	432.69	0.00000	0.18079
54360000	0.96929	57.915	0.11787	0.30578	249.31	1082.1	418.16	0.00000	0.23414
54370000	1.0048	57.915	0.11790	0.30578	249.33	1082.1	407.77	0.00000	0.27009
54380000	1.0314	57.913	0.11803	0.30578	249.40	1082.0	400.58	0.00000	0.30000
54390000	1.0496	57.910	0.11817	0.30578	249.47	1082.0	395.94	0.00000	0.29987
54400000	1.0596	57.909	0.11824	0.30578	249.51	1081.9	393.44	0.00000	0.27373
54410000	1.0618	57.910	0.11822	0.30578	249.48	1081.7	392.79	0.00000	0.23246
54420000	1.0569	57.913	0.11806	0.30578	249.38	1081.6	393.72	0.00000	0.18715
54430000	1.0457	57.918	0.11779	0.30578	249.22	1081.4	396.06	0.00000	0.14552
54440000	1.0293	57.925	0.11743	0.30578	248.99	1081.2	399.67	0.00000	0.11054

54450000	1.0085	57.933	0.11698	0.30578	248.72	1081.0	404.43	0.00000	8.20752E-02
54460000	0.98398	57.942	0.11648	0.30578	248.41	1080.7	410.28	0.00000	6.17018E-02
54470000	0.95655	57.952	0.11592	0.30578	248.08	1080.5	417.15	0.00000	3.21687E-02
54480000	0.92693	57.963	0.11533	0.30578	247.71	1080.2	424.92	0.00000	1.75796E-02
54490000	0.89600	57.974	0.11471	0.30578	247.33	1080.0	433.48	0.00000	-6.87404E-04
54500000	0.86467	57.986	0.11407	0.30578	246.93	1079.7	442.60	0.00000	-1.46811E-02
54510000	0.83390	57.998	0.11342	0.30578	246.53	1079.5	452.03	0.00000	-2.62743E-02
54520000	0.80465	58.010	0.11277	0.30578	246.13	1079.2	461.42	0.00000	-3.52452E-02
54530000	0.77777	58.022	0.11212	0.30578	245.72	1078.9	470.41	0.00000	-4.15775E-02
54540000	0.75396	58.034	0.11149	0.30578	245.33	1078.7	478.61	0.00000	-4.49066E-02
54550000	0.73371	58.045	0.11087	0.30578	244.94	1078.4	485.68	0.00000	-4.22557E-02
54560000	0.71726	58.056	0.11028	0.30578	244.58	1078.2	491.39	0.00000	-4.70105E-02
54570000	0.70454	58.067	0.10971	0.30578	244.22	1078.0	495.60	0.00000	-4.46219E-02
54580000	0.69532	58.077	0.10916	0.30578	243.87	1077.7	498.34	0.00000	-4.12799E-02
54590000	0.68913	58.087	0.10865	0.30578	243.54	1077.5	499.74	0.00000	-3.71635E-02

54320000	0.75740	57.900	0.11877	0.30578	249.81	1082.0	498.14	0.00000	7.20566E-02
54330000	0.80947	57.904	0.11851	0.30578	249.61	1082.0	475.48	0.00000	6.49456E-02
54340000	0.86882	57.909	0.11820	0.30578	249.51	1082.1	452.19	0.00000	7.41531E-02
54350000	0.92393	57.914	0.11797	0.30578	249.37	1082.1	432.69	0.00000	8.54774E-02
54360000	0.96929	57.915	0.11787	0.30578	249.31	1082.1	418.16	0.00000	0.18079
54370000	1.0048	57.915	0.11790	0.30578	249.33	1082.1	407.77	0.00000	0.23414
54380000	1.0314	57.913	0.11803	0.30578	249.40	1082.0	400.58	0.00000	0.27009
54390000	1.0496	57.910	0.11817	0.30578	249.47	1082.0	395.94	0.00000	0.30000
54400000	1.0596	57.909	0.11824	0.30578	249.51	1081.9	393.44	0.00000	0.29987
54410000	1.0618	57.910	0.11822	0.30578	249.48	1081.7	392.79	0.00000	0.27373
54420000	1.0569	57.913	0.11806	0.30578	249.38	1081.6	393.72	0.00000	0.23246
54430000	1.0457	57.918	0.11779	0.30578	249.22	1081.4	396.06	0.00000	0.18715
54440000	1.0293	57.925	0.11743	0.30578	248.99	1081.2	399.67	0.00000	0.14552

54450000	1.0085	57.933	0.11698	0.30578	248.72	1081.0	404.43	0.00000	8.20752E-02
54460000	0.98398	57.942	0.11648	0.30578	248.41	1080.7	410.28	0.00000	6.17018E-02
54470000	0.95655	57.952	0.11592	0.30578	248.08	1080.5	417.15	0.00000	3.21687E-02
54480000	0.92693	57.963	0.11533	0.30578	247.71	1080.2	424.92	0.00000	1.75796E-02
54490000	0.89600	57.974	0.11471	0.30578	247.33	1080.0	433.48	0.00000	-6.87404E-04
54500000	0.86467	57.986	0.11407	0.30578	246.93	1079.7	442.60	0.00000	-1.46817E-02
54510000	0.83390	57.998	0.11342	0.30578	246.53	1079.5	452.03	0.00000	-2.62743E-02
54520000	0.80465	58.010	0.11277	0.30578	246.13	1079.2	461.42	0.00000	-3.52492E-02
54530000	0.77777	58.022	0.11212	0.30578	245.72	1078.9	470.41	0.00000	-4.15775E-02
54540000	0.75396	58.034	0.11149	0.30578	245.33	1078.7	478.61	0.00000	-4.49096E-02
54550000	0.73371	58.045	0.11087	0.30578	244.94	1078.4	485.68	0.00000	-4.22557E-02
54560000	0.71726	58.056	0.11028	0.30578	244.58	1078.2	491.39	0.00000	-4.70105E-02
54570000	0.70454	58.067	0.10971	0.30578	244.22	1078.0	495.60	0.00000	-4.46210E-02
54580000	0.69532	58.077	0.10916	0.30578	243.87	1077.7	498.34	0.00000	-4.12709E-02
54590000	0.68913	58.087	0.10865	0.30578	243.54	1077.5	499.74	0.00000	-3.71635E-02
54600000	0.68537	58.096	0.10817	0.30578	243.24	1077.3	500.07	0.00000	-3.27295E-02
54610000	0.68341	58.104	0.10772	0.30578	242.95	1077.1	499.63	0.00000	-2.84177E-02
54620000	0.68261	58.112	0.10731	0.30578	242.68	1076.9	498.73	0.00000	-2.46378E-02
54630000	0.68240	58.119	0.10693	0.30578	242.43	1076.7	497.64	0.00000	-2.17190E-02
54640000	0.68233	58.126	0.10659	0.30578	242.21	1076.5	496.59	0.00000	-1.98685E-02
54650000	0.68207	58.132	0.10628	0.30578	242.00	1076.3	495.73	0.00000	-1.67169E-02
54660000	0.68145	58.138	0.10600	0.30578	241.81	1076.1	495.14	0.00000	-1.66732E-02
54670000	0.68055	58.143	0.10574	0.30578	241.63	1075.9	494.75	0.00000	-1.63053E-02
54680000	0.68153	58.147	0.10551	0.30578	241.48	1075.7	493.56	0.00000	-5.69032E-02
54690000	0.68679	58.152	0.10529	0.30578	241.33	1075.5	490.31	0.00000	2.24768E-03
54700000	0.69680	58.153	0.10528	0.30578	241.30	1075.3	485.47	0.00000	-3.42795E-02
54710000	0.71592	58.154	0.10525	0.30578	241.26	1075.1	476.55	0.00000	-4.97562E-02
54720000	0.74883	58.155	0.10520	0.30578	241.22	1074.9	462.06	0.00000	-5.96964E-02
54730000	0.80263	58.156	0.10515	0.30578	241.17	1074.7	440.41	0.00000	-6.87601E-02
54740000	0.88498	58.158	0.10510	0.30578	241.13	1074.6	411.30	0.00000	-7.97762E-02
54750000	1.0024	58.159	0.10503	0.30578	241.07	1074.4	376.34	0.00000	-9.58617E-02
54760000	1.1591	58.161	0.10496	0.30578	241.01	1074.3	338.51	0.00000	-0.12013
54770000	1.3571	58.164	0.10485	0.30578	240.92	1074.1	300.84	0.00000	-0.15584
54780000	1.5974	58.167	0.10469	0.30578	240.81	1073.9	265.34	0.00000	-0.20532
54790000	1.8822	58.172	0.10447	0.30578	240.64	1073.8	233.00	0.00000	-0.27045
54800000	2.2129	58.179	0.10416	0.30578	240.42	1073.5	204.18	0.00000	-0.35461
54810000	2.5880	58.187	0.10376	0.30578	240.13	1073.2	179.06	0.00000	-0.46026
54820000	2.9964	58.198	0.10326	0.30578	239.76	1072.8	157.84	0.00000	-0.58157
54830000	3.4138	58.210	0.10267	0.30578	239.33	1072.2	140.66	0.00000	-0.70795
54840000	3.8035	58.225	0.10201	0.30578	238.82	1071.3	127.53	0.00000	-0.82639
54850000	4.1215	58.241	0.10132	0.30578	238.27	1070.1	118.33	0.00000	-0.92351
54860000	4.3246	58.258	0.10064	0.30578	237.69	1068.2	112.95	0.00000	-0.99230
54870000	4.3795	58.276	0.10006	0.30578	237.09	1065.3	111.33	0.00000	-1.0366
54880000	4.2728	58.293	9.96583E-02	0.30578	236.49	1061.0	113.58	0.00000	-1.0723
54890000	4.0157	58.310	9.95152E-02	0.30578	235.91	1054.6	119.98	0.00000	-1.1217
54900000	3.6427	58.326	9.97108E-02	0.30578	235.34	1045.6	130.90	0.00000	-1.2022
54910000	3.2083	58.343	0.10028	0.30578	234.76	1033.5	146.62	0.00000	-1.3047
54920000	2.7825	58.361	0.10123	0.30578	234.14	1017.9	166.33	0.00000	-1.4166
54930000	2.4467	58.383	0.10252	0.30578	233.38	998.46	186.46	0.00000	-1.5842
54940000	2.2888	58.411	0.10425	0.30578	232.41	974.00	199.18	0.00000	-1.8984
54950000	2.4372	58.429	0.10831	0.30578	231.78	938.81	195.45	0.00000	-2.5490
56010000	2.4329	58.505	0.11443	0.49155	229.15	867.81	205.82	0.00000	-1.1379
56020000	2.4148	58.609	0.12430	0.49155	225.51	780.46	220.49	0.00000	-1.6654
56030000	2.3548	58.737	0.13876	0.49155	221.02	682.93	242.72	0.00000	-1.8725
56040000	2.1961	58.898	0.15569	0.49155	215.26	589.07	273.96	0.00000	-1.5154
56050000	1.9137	59.093	0.17057	0.49155	208.13	511.41	314.61	0.00000	-0.85009
56060000	1.5679	59.308	0.18131	0.49155	200.12	451.29	364.93	0.00000	-0.33775
56070000	1.2327	59.525	0.18892	0.49155	191.80	404.39	426.10	0.00000	-6.72590E-02
56080000	0.94561	59.734	0.19462	0.49155	183.60	367.06	499.43	0.00000	4.84964E-02
56090000	0.71712	59.929	0.19907	0.49155	175.78	337.36	585.73	0.00000	7.05157E-02

56100000	0.54556	60.101	0.20282	0.49155	168.69	314.13	683.84	0.00000	9.60601E-02
56110000	0.42216	60.242	0.20584	0.49155	162.71	296.62	789.73	0.00000	5.49575E-02
56120000	0.33636	60.353	0.20763	0.49155	157.95	284.36	895.62	0.00000	6.96469E-02
56130000	0.27933	60.432	0.20832	0.49155	154.45	276.30	991.33	0.00000	2.44025E-02
56140000	0.24343	60.485	0.20842	0.49155	152.12	271.30	1068.0	0.00000	1.62460E-02
56150000	0.22250	60.515	0.20872	0.49155	150.80	268.48	1122.4	0.00000	1.00072E-02
56160000	0.21131	60.523	0.20946	0.49155	150.43	267.48	1157.5	0.00000	8.70004E-03
56170000	0.18579	60.752	0.18579	0.49155	139.94	264.03	1343.4	0.00000	0.14991
56180000	0.17085	60.949	0.17085	0.49155	130.55	262.05	1396.3	0.00000	0.00000
56190000	0.16502	61.045	0.16502	0.49155	125.81	261.11	1418.4	0.00000	0.00000
56200000	0.16283	61.085	0.16283	0.49155	123.80	260.65	1426.4	0.00000	0.00000
56210000	0.16193	61.101	0.16193	0.49155	122.99	260.33	1428.6	0.00000	0.00000
56220000	0.16141	61.108	0.16141	0.49155	122.61	260.06	1428.6	0.00000	0.00000
56230000	0.16096	61.112	0.16096	0.49155	122.38	259.80	1427.8	0.00000	0.00000

54920000	2.7825	58.361	0.10123	0.30578	234.11	1017.9	166.33	0.00000	-1.3047
54930000	2.4467	58.383	0.10252	0.30578	233.31	998.46	186.46	0.00000	-1.4166
54940000	2.2888	58.411	0.10425	0.30578	232.41	974.00	199.18	0.00000	-1.5842
54950000	2.4379	58.429	0.10831	0.30578	231.78	938.81	195.45	0.00000	-1.8984
56010000	2.4329	58.505	0.11443	0.49155	229.15	867.81	205.82	0.00000	-2.5490
56020000	2.4148	58.609	0.12430	0.49155	225.51	780.46	220.49	0.00000	-1.1379
56030000	2.3548	58.737	0.13876	0.49155	221.02	682.93	242.72	0.00000	-1.6654
56040000	2.1961	58.898	0.15539	0.49155	215.26	589.07	273.96	0.00000	-1.8725
56050000	1.9137	59.093	0.17057	0.49155	208.13	511.41	314.61	0.00000	-1.5154
56060000	1.5679	59.308	0.18131	0.49155	200.12	451.29	364.93	0.00000	-0.95009
56070000	1.2327	59.525	0.18892	0.49155	191.80	404.39	426.10	0.00000	-0.33775
56080000	0.94561	59.734	0.19462	0.49155	183.60	367.06	499.43	0.00000	-6.72590E-02
56090000	0.71712	59.929	0.19907	0.49155	175.78	337.36	585.73	0.00000	4.84964E-02

56100000	0.54556	60.101	0.20282	0.49155	168.69	314.13	683.84	0.00000	9.60601E-02
56110000	0.42216	60.242	0.20584	0.49155	162.71	296.62	789.73	0.00000	5.49575E-02
56120000	0.33636	60.353	0.20763	0.49155	157.95	284.36	895.62	0.00000	6.96469E-02
56130000	0.27333	60.432	0.20832	0.49155	154.45	276.30	991.33	0.00000	2.42025E-02
56140000	0.24343	60.485	0.20842	0.49155	152.12	271.30	1068.0	0.00000	1.62460E-02
56150000	0.22250	60.515	0.20872	0.49155	150.80	268.48	1122.4	0.00000	1.00072E-02
56160000	0.21131	60.523	0.20946	0.49155	150.43	267.48	1157.5	0.00000	8.70004E-03
56170000	0.18579	60.752	0.18579	0.49155	139.94	264.03	1343.4	0.00000	0.14991
56180000	0.17085	60.949	0.17085	0.49155	130.55	262.05	1396.3	0.00000	0.00000
56190000	0.16502	61.045	0.16502	0.49155	125.81	261.11	1418.4	0.00000	0.00000
56200000	0.16283	61.085	0.16283	0.49155	123.80	260.65	1426.4	0.00000	0.00000
56210000	0.16193	61.101	0.16193	0.49155	122.99	260.33	1428.6	0.00000	0.00000
56220000	0.16141	61.108	0.16141	0.49155	122.61	260.06	1428.6	0.00000	0.00000
56230000	0.16096	61.112	0.16096	0.49155	122.38	259.80	1427.8	0.00000	0.00000
56240000	0.16053	61.116	0.16053	0.49155	122.19	259.57	1426.9	0.00000	0.00000
56250000	0.16013	61.119	0.16013	0.49155	122.02	259.36	1426.0	0.00000	0.00000
56260000	0.15978	61.122	0.15978	0.49155	121.88	259.17	1425.1	0.00000	0.00000
56270000	0.15946	61.125	0.15946	0.49155	121.75	259.00	1424.3	0.00000	0.00000
56280000	0.15914	61.127	0.15914	0.49155	121.62	258.82	1423.5	0.00000	0.00000
56290000	0.15882	61.130	0.15882	0.49155	121.49	258.63	1422.6	0.00000	0.00000
56300000	0.15847	61.132	0.15847	0.49155	121.35	258.43	1421.7	0.00000	0.00000
56310000	0.15811	61.135	0.15811	0.49155	121.20	258.23	1420.8	0.00000	0.00000
56320000	0.15773	61.138	0.15773	0.49155	121.05	258.03	1419.9	0.00000	0.00000
56330000	0.15736	61.141	0.15736	0.49155	120.90	257.83	1419.0	0.00000	0.00000
56340000	0.15699	61.144	0.15699	0.49155	120.75	257.64	1418.1	0.00000	0.00000
56350000	0.15664	61.147	0.15664	0.49155	120.61	257.45	1417.3	0.00000	0.00000
58010000	0.15624	61.150	0.15624	0.54635	120.45	257.26	1416.4	0.00000	0.00000
58020000	0.15585	61.152	0.15585	0.54635	120.30	257.08	1415.6	0.00000	0.00000
58030000	0.15546	61.155	0.15546	0.54635	120.15	256.91	1414.8	0.00000	0.00000
58040000	0.15509	61.158	0.15509	0.54635	120.01	256.75	1414.1	0.00000	0.00000
58050000	0.15474	61.161	0.15474	0.54635	119.88	256.60	1413.4	0.00000	0.00000
58060000	0.15442	61.163	0.15442	0.54635	119.76	256.46	1412.7	0.00000	0.00000
58070000	0.15412	61.165	0.15412	0.54635	119.65	256.33	1412.1	0.00000	0.00000
60010000	0.15380	61.167	0.15380	0.60828	119.53	256.21	1411.6	0.00000	0.00000
60020000	0.15359	61.168	0.15359	0.60828	119.49	256.11	1410.8	0.00000	0.00000
60030000	0.15548	61.137	0.15548	0.60828	121.09	255.87	1400.8	0.00000	0.00000
62010000	0.21628	60.742	0.19281	0.54800	140.39	254.90	1077.7	0.00000	0.30257
62020000	2.2703	61.579	0.21352	0.54800	96.724	195.27	311.86	0.00000	-0.35533
64010000	35.040	61.717	0.20383	0.90420	88.122	189.83	114.35	0.00000	-1.41043E-02
66010000	53.046	61.719	0.18482	0.82200	87.982	190.08	154.32	0.00000	5.81241E-05
68010000	59.557	61.718	0.15835	0.82200	87.961	190.26	266.15	0.00000	4.26661E-05
69010000	61.521	61.716	0.10879	2.2358	87.957	189.49	685.47	0.00000	1.12059E-05
70010000	61.710	61.715	7.98877E-02	2.2358	87.957	188.98	2936.8	0.00000	1.58295E-07
71010000	61.714	61.714	3.54912E-02	2.2358	87.957	1076.8	5041.0	0.00000	0.00000
73010000	61.712	61.714	4.90720E-02	600.33	87.949	233.12	3254.1	0.00000	1.56091E-08
75010000	0.19172	61.808	4.24928E-02	199.98	81.753	252.97	475.60	0.00000	1.02862E-02
76010000	0.77110	53.355	0.62777	0.10050	382.01	1094.6	1361.1	0.00000	-29.601
76020000	0.63006	54.077	0.49833	0.10050	363.11	1102.7	1349.0	0.00000	-16.153
76030000	0.57826	54.357	0.45380	0.10050	355.63	1105.6	1346.5	0.00000	-11.593
76040000	0.54754	54.539	0.42467	0.10050	350.70	1108.5	1340.7	0.00000	-6.4750
79010000	8.9303	33.060	8.9303	0.11760	741.98	1013.0	1084.1	0.00000	-1.56557E-04
81010000	8.9351	33.058	8.9351	8.65830E-02	742.00	1012.9	1083.9	0.00000	-1.76892E-04
83010000	8.8541	32.983	8.8541	7.93800E-02	742.85	1014.9	1382.7	0.00000	0.00000
83020000	8.9566	32.983	8.9566	9.37860E-02	742.84	1012.9	1384.0	0.00000	0.00000
85010000	8.9638	32.970	8.9638	0.10334	743.00	1012.8	1383.6	0.00000	0.00000
85020000	8.8556	32.969	8.8556	0.10334	743.00	1015.0	1384.3	0.00000	0.00000
87010000	8.9506	33.042	8.9506	8.58480E-02	742.19	1012.6	1083.0	0.00000	-2.31058E-04
89010000	8.9587	33.026	8.9587	0.11539	742.37	1012.5	1082.5	0.00000	-2.08900E-04
91010000	8.9777	33.016	8.9777	0.15787	742.48	1012.1	1081.5	0.00000	-2.70121E-04
91020000	8.9707	33.020	8.9707	0.15787	742.43	1012.2	1081.9	0.00000	-2.50614E-04

91030000	8.9638	33.023	8.9638	0.15787	742.40	1012.4	1082.3	0.00000	-2.27062E-04
93010000	6.93124E-02	61.660	6.76819E-02	9000.0	91.410	238.28	1081.2	0.00000	7.92685E-04
95010000	0.58189	54.290	0.45043	0.10251	357.44	1113.4	1343.9	0.00000	-0.77554
96010000	0.71305	53.453	0.56642	0.16944	379.49	1116.2	1365.2	0.00000	0.10717
97010000	0.59279	54.228	0.45927	0.12140	359.08	1113.1	1344.2	0.00000	-1.4772
99010000	8.9138	33.076	8.9138	0.11760	741.80	1013.3	1085.0	0.00000	-1.50784E-04
101010000	8.9189	33.074	8.9189	8.65830E-02	741.82	1013.2	1084.7	0.00000	-1.75888E-04
103010000	8.9302	33.059	8.9301	0.10054	741.99	1013.0	1084.1	0.00000	-1.90853E-04
103020000	8.9261	33.061	8.9261	9.37860E-02	741.97	1013.1	1084.3	0.00000	-1.61459E-04
105010000	8.9445	33.043	8.9445	0.15155	742.17	1012.7	1083.3	0.00000	-1.89327E-04
105020000	8.9381	33.046	8.9380	0.15155	742.14	1012.9	1083.7	0.00000	-1.68550E-04
107010000	8.9508	33.041	8.9508	8.58480E-02	742.19	1012.6	1083.0	0.00000	-2.29338E-04
109010000	8.9588	33.025	8.9588	0.11539	742.37	1012.5	1082.5	0.00000	-2.07510E-04
111010000	8.9777	33.016	8.9777	0.15787	742.47	1012.1	1081.5	0.00000	-2.72516E-04
111020000	8.9707	33.020	8.9707	0.15787	742.43	1012.2	1081.9	0.00000	-2.50614E-04









16110000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16120000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16130000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16140000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16150000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16160000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16170000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16180000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16190000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16200000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16210000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16220000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16230000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16240000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

16250000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16260000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16270000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16280000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16290000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16300000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16310000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16320000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16330000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16340000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16350000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18030000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18040000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18050000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18060000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18070000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10030000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12020000	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
14010000	3	9	0	0	0	0	0	0	0	0	0	0	0	0	0
16010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10100000	0	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	0
15010000	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
16010000	57	59	0	0	0	0	0	0	0	0	0	20	0	0	0
16020000	0	10	0	0	0	0	0	1	0	0	0	28	0	0	0
16030000	0	28	0	0	0	0	0	0	0	0	2	123	1	1	1
16040000	0	1	0	0	0	0	0	0	0	0	86	644	41	155	1
19010000	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0
11010000	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
13010000	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0
13020000	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
15010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15020000	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
17010000	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
19010000	0	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	0
11020000	0	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	0
13010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15010000	0	34	0	0	0	0	0	2	0	0	12	12	6	6	6
16010000	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
17010000	0	1	0	0	0	0	0	0	0	0	0	158	0	18	18
19010000	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
11010000	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
1303010000	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
103020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105010000	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0
105020000	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
107010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11010000	0	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	0

10300000	0	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	0
14010000	0	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	0
14030000	2	9	0	0	0	0	0	0	0	0	0	0	0	0	0
16010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18010000	0	8	0	0	0	0	0	0	0	0	0	3	0	0	0
13010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15010000	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0
15020000	2	393	0	2	0	0	0	12	0	1	0	3	0	1	1
18010000	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0

3010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5010000	0	34	0	0	0	0	0	2	0	0	12	12	6	6
6010000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
7010000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
9010000	0	4	0	0	0	0	0	0	0	0	158	0	18	0
1010000	0	1	0	0	0	0	0	0	0	0	0	0	0	0
303010000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
303020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
505010000	0	6	0	0	0	0	0	0	0	0	0	0	0	0
505020000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
707010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
909010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1020000	0	0	0	0	0	0	0	0	0	0	0	0	0	0

1030000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4020000	0	2	0	0	0	0	0	0	0	0	0	0	0	0
4030000	2	9	0	0	0	0	0	0	0	0	0	0	0	0
6010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8010000	0	8	0	0	0	0	0	0	0	0	3	0	0	0
3010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5010000	0	6	0	0	0	0	0	0	0	0	0	0	0	0
5020000	2	393	0	2	0	0	12	0	1	0	3	0	1	1
8010000	0	5	0	0	0	0	0	0	0	0	0	0	0	0

JUN.NO.	FROM VOL.	TO VOL.	LIQ. VEL. (FT/SEC)	VAP. VEL. (FT/SEC)	MASS FLOW (LB/SEC)	JUN.AREA (FT2)	THROAT RATIO	JUNCTION FLAGS	CHOKE FLAG	NO. ADVS. EDIT	CHOKED TOTAL
-36	PIPE	COMPONENT									
6010000	36010000	36020000	667.93	667.93	111.20	0.20100	1.0000	1000	0	0	0
6020000	36020000	36030000	789.63	789.63	110.74	0.20100	1.0000	1000	0	0	0
-36-040	SNGLJUN	COMPONENT									
7000000	96010000	40010000	13.584	13.584	1.9475	0.20100	1.0000	0	0	0	10
-38	PIPE	COMPONENT									
8010000	38010000	38020000	6.3520	6.3520	2.4510	0.54800	1.0000	1000	0	0	0
8020000	38020000	38030000	7.4248	7.4248	2.8571	0.54800	1.0000	1000	0	0	0
8030000	38030000	38040000	8.6903	8.6903	3.3405	0.54800	1.0000	1000	0	0	0
8040000	38040000	38050000	10.154	10.154	3.9281	0.54800	1.0000	1000	0	0	0
8050000	38050000	38060000	11.806	11.806	4.8334	0.54800	1.0000	1000	0	0	0
8060000	38060000	38070000	13.642	13.665	6.7378	0.54800	1.0000	1000	0	0	0
-40-38	SNGLJUN	COMPONENT									
9000000	40010000	38010000	7.9630	7.9630	2.1051	0.37500	1.0000	1000	0	0	0
-38-42	SNGLJUN	COMPONENT									
1000000	38070000	42010000	7.5459	15.885	7.9490	0.54800	1.0000	1000	0	0	0
-42-44	SNGLJUN	COMPONENT									
1300000	42010000	44010000	25.114	50.269	9.3068	0.20100	1.0000	100	0	0	148
-44-46	SNGLJUN	COMPONENT									
1500000	44010000	46010000	213.25	213.25	25.158	0.20100	1.0000	100	0	0	150
-46	PIPE	COMPONENT									
16010000	46010000	46020000	70.685	70.685	29.141	0.54800	1.0000	1000	0	0	0
16020000	46020000	46030000	76.877	76.877	35.701	0.54800	1.0000	1000	0	0	0
-46-48	SNGLJUN	COMPONENT									
17000000	46030000	114010000	56.863	84.749	41.033	0.54800	1.0000	1000	0	0	0
-48	PIPE	COMPONENT									
18010000	48010000	48020000	188.53	307.99	172.72	0.54800	1.0000	1000	0	0	0
18020000	48020000	48030000	232.57	326.30	174.73	0.54800	1.0000	1000	0	0	0
18030000	48030000	48040000	248.09	333.66	181.40	0.54800	1.0000	1000	0	0	0
18040000	48040000	48050000	254.75	335.87	192.22	0.54800	1.0000	1000	0	0	0
18050000	48050000	48060000	257.81	336.17	203.21	0.54800	1.0000	1000	0	0	0
18060000	48060000	48070000	259.66	335.42	212.33	0.54800	1.0000	1000	0	0	0
18070000	48070000	48080000	261.11	334.06	219.67	0.54800	1.0000	1000	0	0	0
18080000	48080000	48090000	263.85	332.27	226.12	0.54800	1.0000	1000	0	0	0
-48-50	SNGLJUN	COMPONENT									
19000000	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	335.85	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	304.05	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	381.12	466.89	293.61	0.54800	1.0000	1000	0	0	0