

50-305

RESPONSE TO NUREG-0737 ITEM II.D.1

Doc # 50-305

Control # 8403280048

Date 3/23/84 of Document:

REGULATORY DOCKET FILE

83020000	2686.0	1014.7	1.0000	0.00000	1.0000	1.0000	678.75	678.75	678.75	0
-85	PIPE	COMPONENT								
85010000	2686.0	1014.7	1.0000	0.00000	1.0000	1.0000	678.75	678.75	678.75	0
85020000	2686.0	1014.7	1.0000	0.00000	1.0000	1.0000	678.75	678.75	678.75	0
-87	PIPE	COMPONENT								
87010000	2686.0	1014.7	1.0000	0.00000	1.0000	1.0000	678.75	678.75	678.75	0
-89	SNGLVOL	COMPONENT								
89010000	2686.0	1014.7	1.0000	0.00000	1.0000	1.0000	678.75	678.75	678.75	0
-91	PIPE	COMPONENT								
91010000	2686.0	1014.7	1.0000	0.00000	1.0000	1.0000	678.75	678.75	678.75	0
91020000	2686.0	1014.7	1.0000	0.00000	1.0000	1.0000	678.75	678.75	678.75	0
91030000	2686.0	1014.7	1.0000	0.00000	1.0000	1.0000	678.75	678.75	678.75	0
-93	SNGLVOL	COMPONENT								
93010000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0

-95	SNGLVOL	COMPONENT								
95010000	14.700	87.957	0.00000	0.00000	0.00000	0.00000	120.00	120.00	120.00	0
-96	SNGLVOL	COMPONENT								
96010000	14.700	87.957	0.00000	0.00000	0.00000	0.00000	120.00	120.00	120.00	0
-97	BRANCH	COMPONENT								
97010000	14.700	87.957	0.00000	0.00000	0.00000	0.00000	120.00	120.00	120.00	0
-99	SNGLVOL	COMPONENT								
99010000	2686.0	1014.7	1.0000	0.00000	1.0000	1.0000	678.75	678.75	678.75	0
-101	SNGLVOL	COMPONENT								
101010000	2686.0	1014.7	1.0000	0.00000	1.0000	1.0000	678.75	678.75	678.75	0
-103	PIPE	COMPONENT								
103010000	2686.0	1014.7	1.0000	0.00000	1.0000	1.0000	678.75	678.75	678.75	0
103020000	2686.0	1014.7	1.0000	0.00000	1.0000	1.0000	678.75	678.75	678.75	0
-105	PIPE	COMPONENT								
105010000	2686.0	1014.7	1.0000	0.00000	1.0000	1.0000	678.75	678.75	678.75	0
105020000	2686.0	1014.7	1.0000	0.00000	1.0000	1.0000	678.75	678.75	678.75	0
-107	SNGLVOL	COMPONENT								
107010000	2686.0	1014.7	1.0000	0.00000	1.0000	1.0000	678.75	678.75	678.75	0
-109	SNGLVOL	COMPONENT								
109010000	2686.0	1014.7	1.0000	0.00000	1.0000	1.0000	678.75	678.75	678.75	0
-111	PIPE	COMPONENT								
111010000	2686.0	1014.7	1.0000	0.00000	1.0000	1.0000	678.75	678.75	678.75	0
111020000	2686.0	1014.7	1.0000	0.00000	1.0000	1.0000	678.75	678.75	678.75	0
111030000	2686.0	1014.7	1.0000	0.00000	1.0000	1.0000	678.75	678.75	678.75	0
-113	TMDPVOL	COMPONENT								
113010000	2686.0	1014.7	1.0000	0.00000	1.0000	1.0000	678.75	678.75	678.75	0
-114	PIPE	COMPONENT								
114010000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
114020000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
114030000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
-136	SNGLVOL	COMPONENT								
136010000	14.700	87.957	0.00000	0.00000	0.00000	0.00000	120.00	120.00	120.00	0
-CASE	SNGLVOL	COMPONENT								
178010000	2686.0	1014.7	1.0000	0.00000	1.0000	1.0000	678.75	678.75	678.75	11
-193	SNGLVOL	COMPONENT								
193010000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
-195	PIPE	COMPONENT								
195010000	14.700	87.957	0.00000	0.00000	0.00000	0.00000	120.00	120.00	120.00	0
195020000	14.700	214.34	1.0000	0.94800	1.0000	1.0000	107.58	120.00	120.00	0
-CASE	SNGLVOL	COMPONENT								
198010000	2686.0	1014.7	1.0000	0.00000	1.0000	1.0000	678.75	678.75	678.75	11

VOL.NO.	RHO (LB/FT3)	RHOE (LB/FT3)	RHOG (LB/FT3)	VOLUME (FT3)	UF (BTU/LB)	UG (BTU/LB)	SOUNDE (FT/SEC)	HEAT INPUT (BTU/SEC)	VAPOR GEN. (LB/FT3-SEC)
1010000	8.8331	33.167	8.8331	0.00000	740.76	1014.7	1089.2	0.00000	0.00000
36010000	3.5153	59.813	3.73246E-02	0.14070	180.13	1077.6	58.293	0.00000	0.00000
36020000	3.5153	59.813	3.73246E-02	0.14070	180.13	1077.6	58.293	0.00000	0.00000
36030000	60.007	60.007	3.73246E-02	0.14070	172.28	1077.6	4998.7	0.00000	0.00000
38010000	6.63601E-02	61.898	6.63601E-02	0.35072	75.554	214.34	1194.7	0.00000	0.00000
38020000	6.63601E-02	61.898	6.63601E-02	0.35072	75.554	214.34	1194.7	0.00000	0.00000
38030000	6.63601E-02	61.898	6.63601E-02	0.35072	75.554	214.34	1194.7	0.00000	0.00000
38040000	6.63601E-02	61.898	6.63601E-02	0.35072	75.554	214.34	1194.7	0.00000	0.00000
38050000	6.63601E-02	61.898	6.63601E-02	0.35072	75.554	214.34	1194.7	0.00000	0.00000
38060000	6.63601E-02	61.898	6.63601E-02	0.35072	75.554	214.34	1194.7	0.00000	0.00000
38070000	6.63601E-02	61.898	6.63601E-02	0.35072	75.554	214.34	1194.7	0.00000	0.00000
40010000	6.63601E-02	61.898	6.63601E-02	0.21862	75.554	214.34	1194.7	0.00000	0.00000
42010000	6.63601E-02	61.898	6.63601E-02	0.32880	75.554	214.34	1194.7	0.00000	0.00000
44010000	61.715	61.715	3.73246E-02	0.16683	87.957	1077.6	5040.8	0.00000	0.00000
46010000	61.715	61.715	3.73246E-02	0.20824	87.957	1077.6	5040.8	0.00000	0.00000
46020000	6.63601E-02	61.898	6.63601E-02	0.35620	75.554	214.34	1194.7	0.00000	0.00000

46030000	6.63601E-02	61.898	6.63601E-02	0.35620	75.554	214.34	1194.7	0.00000	0.00000
48010000	6.63601E-02	61.898	6.63601E-02	0.27948	75.554	214.34	1194.7	0.00000	0.00000
48020000	6.63601E-02	61.898	6.63601E-02	0.27948	75.554	214.34	1194.7	0.00000	0.00000
48030000	6.63601E-02	61.898	6.63601E-02	0.27948	75.554	214.34	1194.7	0.00000	0.00000
48040000	6.63601E-02	61.898	6.63601E-02	0.27948	75.554	214.34	1194.7	0.00000	0.00000
48050000	6.63601E-02	61.898	6.63601E-02	0.27948	75.554	214.34	1194.7	0.00000	0.00000
48060000	6.63601E-02	61.898	6.63601E-02	0.27948	75.554	214.34	1194.7	0.00000	0.00000
48070000	6.63601E-02	61.898	6.63601E-02	0.27948	75.554	214.34	1194.7	0.00000	0.00000
48080000	6.63601E-02	61.898	6.63601E-02	0.27948	75.554	214.34	1194.7	0.00000	0.00000
48090000	6.63601E-02	61.898	6.63601E-02	0.27948	75.554	214.34	1194.7	0.00000	0.00000
50010000	6.63601E-02	61.898	6.63601E-02	0.28824	75.554	214.34	1194.7	0.00000	0.00000
50020000	6.63601E-02	61.898	6.63601E-02	0.28824	75.554	214.34	1194.7	0.00000	0.00000

36020000	3.5153	60.007	3.73246E-02	0.14070	170.18	1077.6	58.293	0.00000	0.00000
36030000	60.007	60.007	3.73246E-02	0.14070	172.28	1077.6	4998.7	0.00000	0.00000
38010000	6.63601E-02	61.898	6.63601E-02	0.35072	75.554	214.34	1194.7	0.00000	0.00000
38020000	6.63601E-02	61.898	6.63601E-02	0.35072	75.554	214.34	1194.7	0.00000	0.00000
38030000	6.63601E-02	61.898	6.63601E-02	0.35072	75.554	214.34	1194.7	0.00000	0.00000
38040000	6.63601E-02	61.898	6.63601E-02	0.35072	75.554	214.34	1194.7	0.00000	0.00000
38050000	6.63601E-02	61.898	6.63601E-02	0.35072	75.554	214.34	1194.7	0.00000	0.00000
38060000	6.63601E-02	61.898	6.63601E-02	0.35072	75.554	214.34	1194.7	0.00000	0.00000
38070000	6.63601E-02	61.898	6.63601E-02	0.35072	75.554	214.34	1194.7	0.00000	0.00000
40010000	6.63601E-02	61.898	6.63601E-02	0.21862	75.554	214.34	1194.7	0.00000	0.00000
42010000	6.63601E-02	61.898	6.63601E-02	0.32880	75.554	214.34	1194.7	0.00000	0.00000
44010000	61.715	61.715	3.73246E-02	0.16683	87.957	1077.6	5040.8	0.00000	0.00000
46010000	61.715	61.715	3.73246E-02	0.20824	87.957	1077.6	5040.8	0.00000	0.00000
46020000	6.63601E-02	61.898	6.63601E-02	0.35620	75.554	214.34	1194.7	0.00000	0.00000

54310000	6.63601E-02	61.898	6.63601E-02	0.30578	75.554	214.34	1194.7	0.00000	0.00000
54320000	6.63601E-02	61.898	6.63601E-02	0.30578	75.554	214.34	1194.7	0.00000	0.00000
54330000	6.63601E-02	61.898	6.63601E-02	0.30578	75.554	214.34	1194.7	0.00000	0.00000
54340000	6.63601E-02	61.898	6.63601E-02	0.30578	75.554	214.34	1194.7	0.00000	0.00000
54350000	6.63601E-02	61.898	6.63601E-02	0.30578	75.554	214.34	1194.7	0.00000	0.00000
54360000	6.63601E-02	61.898	6.63601E-02	0.30578	75.554	214.34	1194.7	0.00000	0.00000
54370000	6.63601E-02	61.898	6.63601E-02	0.30578	75.554	214.34	1194.7	0.00000	0.00000
54380000	6.63601E-02	61.898	6.63601E-02	0.30578	75.554	214.34	1194.7	0.00000	0.00000
54390000	6.63601E-02	61.898	6.63601E-02	0.30578	75.554	214.34	1194.7	0.00000	0.00000
54400000	6.63601E-02	61.898	6.63601E-02	0.30578	75.554	214.34	1194.7	0.00000	0.00000
54410000	6.63601E-02	61.898	6.63601E-02	0.30578	75.554	214.34	1194.7	0.00000	0.00000
54420000	6.63601E-02	61.898	6.63601E-02	0.30578	75.554	214.34	1194.7	0.00000	0.00000
54430000	6.63601E-02	61.898	6.63601E-02	0.30578	75.554	214.34	1194.7	0.00000	0.00000
54440000	6.63601E-02	61.898	6.63601E-02	0.30578	75.554	214.34	1194.7	0.00000	0.00000

54910000	6.63601E-02	61.898	6.63601E-02	0.30578	75.554	214.34	1194.7	0.00000	0.00000
54920000	6.63601E-02	61.898	6.63601E-02	0.30578	75.554	214.34	1194.7	0.00000	0.00000
54930000	6.63601E-02	61.898	6.63601E-02	0.30578	75.554	214.34	1194.7	0.00000	0.00000
54940000	6.67601E-02	61.898	6.63601E-02	0.30578	75.554	214.34	1194.7	0.00000	0.00000
54950000	6.67601E-02	61.898	6.63601E-02	0.30578	75.554	214.34	1194.7	0.00000	0.00000
56010000	6.63601E-02	61.898	6.63601E-02	0.49155	75.554	214.34	1194.7	0.00000	0.00000
56020000	6.63601E-02	61.898	6.63601E-02	0.49155	75.554	214.34	1194.7	0.00000	0.00000
56030000	6.63601E-02	61.898	6.63601E-02	0.49155	75.554	214.34	1194.7	0.00000	0.00000
56040000	6.63601E-02	61.898	6.63601E-02	0.49155	75.554	214.34	1194.7	0.00000	0.00000
56050000	6.63601E-02	61.898	6.63601E-02	0.49155	75.554	214.34	1194.7	0.00000	0.00000
56060000	6.63601E-02	61.898	6.63601E-02	0.49155	75.554	214.34	1194.7	0.00000	0.00000
56070000	6.63601E-02	61.898	6.63601E-02	0.49155	75.554	214.34	1194.7	0.00000	0.00000
56080000	6.63601E-02	61.898	6.63601E-02	0.49155	75.554	214.34	1194.7	0.00000	0.00000
56090000	6.63601E-02	61.898	6.63601E-02	0.49155	75.554	214.34	1194.7	0.00000	0.00000

76010000	8.5153	59.813	3.73246E-02	0.10050	180.13	1077.6	58.293	0.00000	0.00000
76020000	8.5153	59.813	3.73246E-02	0.10050	180.13	1077.6	58.293	0.00000	0.00000
76030000	60.007	60.007	3.73246E-02	0.10050	172.28	1077.6	4998.7	0.00000	0.00000
76040000	60.007	60.007	3.73246E-02	0.10050	172.28	1077.6	4998.7	0.00000	0.00000
79010000	8.8331	33.167	8.8331	0.11760	740.76	1014.7	1089.2	0.00000	0.00000
81010000	8.8331	33.167	8.8331	8.65830E-02	740.76	1014.7	1089.2	0.00000	0.00000
83010000	8.8331	33.167	8.8331	7.93800E-02	740.76	1014.7	1089.2	0.00000	0.00000
83020000	8.8331	33.167	8.8331	9.37860E-02	740.76	1014.7	1089.2	0.00000	0.00000
85010000	8.8331	33.167	8.8331	0.10334	740.76	1014.7	1089.2	0.00000	0.00000
85020000	8.8331	33.167	8.8331	0.10334	740.76	1014.7	1089.2	0.00000	0.00000
87010000	8.8331	33.167	8.8331	8.58480E-02	740.76	1014.7	1089.2	0.00000	0.00000
89010000	8.8331	33.167	8.8331	0.11539	740.76	1014.7	1089.2	0.00000	0.00000
91010000	8.8331	33.167	8.8331	0.15787	740.76	1014.7	1089.2	0.00000	0.00000
91020000	8.8331	33.167	8.8331	0.15787	740.76	1014.7	1089.2	0.00000	0.00000

91030000	8.8331	33.167	8.8331	0.15787	740.76	1014.7	1089.2	0.00000	0.00000
93010000	6.63601E-02	61.898	6.63601E-02	9000.0	75.554	214.34	1194.7	0.00000	0.00000
95010000	61.715	61.715	3.73246E-02	0.10251	87.957	1077.6	5040.8	0.00000	0.00000
96010000	61.715	61.715	3.73246E-02	0.16944	87.957	1077.6	5040.8	0.00000	0.00000
97010000	61.715	61.715	3.73246E-02	0.12140	87.957	1077.6	5040.8	0.00000	0.00000
99010000	8.8331	33.167	8.8331	0.11760	740.76	1014.7	1089.2	0.00000	0.00000
101010000	8.8331	33.167	8.8331	8.65830E-02	740.76	1014.7	1089.2	0.00000	0.00000
103010000	8.8331	33.167	8.8331	0.10054	740.76	1014.7	1089.2	0.00000	0.00000
103020000	8.8331	33.167	8.8331	9.37860E-02	740.76	1014.7	1089.2	0.00000	0.00000
105010000	8.8331	33.167	8.8331	0.15155	740.76	1014.7	1089.2	0.00000	0.00000
105020000	8.8331	33.167	8.8331	0.15155	740.76	1014.7	1089.2	0.00000	0.00000
107010000	8.8331	33.167	8.8331	8.58480E-02	740.76	1014.7	1089.2	0.00000	0.00000
109010000	8.8331	33.167	8.8331	0.11539	740.76	1014.7	1089.2	0.00000	0.00000
111010000	8.8331	33.167	8.8331	0.15787	740.76	1014.7	1089.2	0.00000	0.00000
111020000	8.8331	33.167	8.8331	0.15787	740.76	1014.7	1089.2	0.00000	0.00000
111030000	8.8331	33.167	8.8331	0.15787	740.76	1014.7	1089.2	0.00000	0.00000
113010000	8.8331	33.167	8.8331	0.00000	740.76	1014.7	1089.2	0.00000	0.00000
114010000	6.63601E-02	61.898	6.63601E-02	0.31455	75.554	214.34	1194.7	0.00000	0.00000
114020000	6.63601E-02	61.898	6.63601E-02	0.31455	75.554	214.34	1194.7	0.00000	0.00000
114030000	6.63601E-02	61.898	6.63601E-02	0.31455	75.554	214.34	1194.7	0.00000	0.00000
136010000	61.715	61.715	3.73246E-02	0.17165	87.957	1077.6	5040.8	0.00000	0.00000
178010000	8.8331	33.167	8.8331	1.56400E-02	740.76	1014.7	1089.2	0.00000	0.00000
193010000	6.63601E-02	61.898	6.63601E-02	9000.0	75.554	214.34	1194.7	0.00000	0.00000
195010000	61.715	61.715	3.73246E-02	0.12462	87.957	1077.6	5040.8	0.00000	0.00000
195020000	6.63601E-02	61.898	6.63601E-02	0.11656	75.554	214.34	1194.7	0.00000	0.00000
198010000	8.8331	33.167	8.8331	1.56400E-02	740.76	1014.7	1089.2	0.00000	0.00000

JUN.NO.	FROM VOL.	TO VOL.	LIG. VEL. (FT/SEC)	VAP. VEL. (FT/SEC)	MASS FLOW (LB/SEC)	JUN.AREA (FT2)	THROAT RATIO	JUNCTION FLAGS	CHOKE FLAG	NO.ADV.S. CHOKED EDIT TOTAL
C-36	PIPE	COMPONENT								
36010000	36010000	36020000	0.00000	0.00000	0.00000	0.20100	1.0000	1000	0	0 0
36020000	36020000	36030000	0.00000	0.00000	0.00000	0.20100	1.0000	1000	0	0 0
C-96-040	SNGLJUN	COMPONENT								
37000000	96010000	40010000	0.00000	0.00000	0.00000	0.20100	1.0000	0	0	0 0
C-38	PIPE	COMPONENT								
38010000	38010000	38020000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0 0
38020000	38020000	38030000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0 0
38030000	38030000	38040000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0 0
38040000	38040000	38050000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0 0
38050000	38050000	38060000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0 0
38060000	38060000	38070000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0 0
C-40-38	SNGLJUN	COMPONENT								
39000000	40010000	38010000	0.00000	0.00000	0.00000	0.37500	1.0000	1000	0	0 0
C-38-42	SNGLJUN	COMPONENT								
41000000	38070000	42010000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0 0
C-42-44	SNGLJUN	COMPONENT								
43000000	42010000	44010000	0.00000	0.00000	0.00000	0.20100	1.0000	100	0	0 0
C-44-46	SNGLJUN	COMPONENT								
45000000	44010000	46010000	0.00000	0.00000	0.00000	0.20100	1.0000	100	0	0 0
C-46	PIPE	COMPONENT								
46010000	46010000	46020000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0 0
46020000	46020000	46030000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0 0
C-46-48	SNGLJUN	COMPONENT								
47000000	46030000	114010000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0 0
C-48	PIPE	COMPONENT								
48010000	48010000	48020000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0 0
48020000	48020000	48030000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0 0
48030000	48030000	48040000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0 0
48040000	48040000	48050000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0 0
48050000	48050000	48060000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0 0

48060000	48060000	48070000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0 0
48070000	48070000	48080000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0 0
48080000	48080000	48090000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0 0
C-48-50	SNGLJUN	COMPONENT								
49000000	48090000	50010000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0 0
C-50	PIPE	COMPONENT								
50010000	50010000	50020000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0 0
50020000	50020000	50030000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0 0
50030000	50030000	50040000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0 0
50040000	50040000	50050000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0 0
C-50-52	SNGLJUN	COMPONENT								
51000000	50050000	52010000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0 0
C-52-54	SNGLJUN	COMPONENT								
53000000	52010000	54010000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0 0

54920000	54920000	54930000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
54930000	54930000	54940000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
54940000	54940000	54950000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
C-54-56 SNGLJUN COMPONENT											
55000000	54950000	56010000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
C-56 PIPE COMPONENT											
56010000	56010000	56020000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
56020000	56020000	56030000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
56030000	56030000	56040000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
56040000	56040000	56050000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
56050000	56050000	56060000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
56060000	56060000	56070000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
56070000	56070000	56080000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
56080000	56080000	56090000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0

56090000	56090000	56100000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
56100000	56100000	56110000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
56110000	56110000	56120000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
56120000	56120000	56130000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
56130000	56130000	56140000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
56140000	56140000	56150000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
56150000	56150000	56160000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
56160000	56160000	56170000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
56170000	56170000	56180000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
56180000	56180000	56190000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
56190000	56190000	56200000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
56200000	56200000	56210000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
56210000	56210000	56220000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
56220000	56220000	56230000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
56230000	56230000	56240000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
56240000	56240000	56250000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
56250000	56250000	56260000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
56260000	56260000	56270000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
56270000	56270000	56280000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
56280000	56280000	56290000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
56290000	56290000	56300000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
56300000	56300000	56310000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
56310000	56310000	56320000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
56320000	56320000	56330000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
56330000	56330000	56340000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
56340000	56340000	56350000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0

C-56-58 SNGLJUN COMPONENT											
57000000	56350000	58010000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
C-58 PIPE COMPONENT											
58010000	58010000	58020000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
58020000	58020000	58030000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
58030000	58030000	58040000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
58040000	58040000	58050000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
58050000	58050000	58060000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
58060000	58060000	58070000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
C-58-60 SNGLJUN COMPONENT											
59000000	58070000	60010000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
C-60 PIPE COMPONENT											
60010000	60010000	60020000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
60020000	60020000	60030000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
C-60-62 SNGLJUN COMPONENT											
61000000	60030000	62010000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
C-62 PIPE COMPONENT											
62010000	62010000	62020000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
C-62-64 SNGLJUN COMPONENT											
63000000	62020000	64010000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
C-64-66 SNGLJUN COMPONENT											
65000000	64010000	66010000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
C-66-68 SNGLJUN COMPONENT											
67000000	66010000	68010000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
C-69 BRANCH COMPONENT											
69010000	68010000	69010000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
69020000	69010000	73010000	0.00000	0.00000	0.00000	0.27300	1.0000	0	0	0	0
69030000	69010000	70010000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
C-70 BRANCH COMPONENT											
70010000	70010000	73010000	0.00000	0.00000	0.00000	0.27300	1.0000	0	0	0	0
70020000	70010000	71010000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
C-71-73 SNGLJUN COMPONENT											
72000000	71010000	73010000	0.00000	0.00000	0.00000	0.28500	1.0000	0	0	0	0
C-73-75 SNGLJUN COMPONENT											

74000000	73010000	75010000	0.00000	0.00000	0.00000	106.60	1.0000	1000	0	0	0
C-76 PIPE COMPONENT											
76010000	76010000	76020000	0.00000	0.00000	0.00000	0.20100	1.0000	1000	0	0	0
76020000	76020000	76030000	0.00000	0.00000	0.00000	0.20100	1.0000	1000	0	0	0
76030000	76030000	76040000	0.00000	0.00000	0.00000	0.20100	1.0000	1000	0	0	0
C-76-844 SNGLJUN COMPONENT											
77000000	76040000	44010000	0.00000	0.00000	0.00000	0.20100	1.0000	100	0	0	0
C178-76 VALVE COMPONENT											
78000000	178010000	76010000	0.00000	0.00000	0.00000	1.70000E-02	0.00000	100	0	0	0
C-81-79 SNGLJUN COMPONENT											
80000000	81010000	79010000	0.00000	0.00000	0.00000	0.14700	1.0000	1000	0	0	0
C-83-81 SNGLJUN COMPONENT											
82000000	83020000	81010000	0.00000	0.00000	0.00000	0.14700	1.0000	1000	0	0	0
C-83 PIPE COMPONENT											
83010000	83010000	83020000	0.00000	0.00000	0.00000						

C-64-66	SNGLJUN	COMPONENT										
65000000	64010000	66010000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0	
C-66-68	SNGLJUN	COMPONENT										
67000000	66010000	68010000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0	
C-69	BRANCH	COMPONENT										
69010000	68010000	69010000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0	
69020000	69010000	73010000	0.00000	0.00000	0.00000	0.27300	1.0000	0	0	0	0	
69030000	69010000	70010000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0	
C-70	BRANCH	COMPONENT										
70010000	70010000	73010000	0.00000	0.00000	0.00000	0.27300	1.0000	0	0	0	0	
70020000	70010000	71010000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0	
C-71-73	SNGLJUN	COMPONENT										
72000000	71010000	73010000	0.00000	0.00000	0.00000	0.28500	1.0000	0	0	0	0	
C-73-75	SNGLJUN	COMPONENT										

74000000	73010000	75010000	0.00000	0.00000	0.00000	106.60	1.0000	1000	0	0	0	
C-76	PIPE	COMPONENT										
76010000	76010000	76020000	0.00000	0.00000	0.00000	0.20100	1.0000	1000	0	0	0	
76020000	76020000	76030000	0.00000	0.00000	0.00000	0.20100	1.0000	1000	0	0	0	
76030000	76030000	76040000	0.00000	0.00000	0.00000	0.20100	1.0000	1000	0	0	0	
C-76-044	SNGLJUN	COMPONENT										
77000000	76040000	44010000	0.00000	0.00000	0.00000	0.20100	1.0000	100	0	0	0	
C178-76	VALVE	COMPONENT										
78000000	178010000	76010000	0.00000	0.00000	0.00000	1.70000E-02	0.00000	100	0	0	0	
C-81-79	SNGLJUN	COMPONENT										
80000000	81010000	79010000	0.00000	0.00000	0.00000	0.14700	1.0000	1000	0	0	0	
C-83-81	SNGLJUN	COMPONENT										
82000000	83020000	81010000	0.00000	0.00000	0.00000	0.14700	1.0000	1000	0	0	0	
C-83	PIPE	COMPONENT										
83010000	83010000	83020000	0.00000	0.00000	0.00000	0.14700	1.0000	1000	0	0	0	
C-85-83	SNGLJUN	COMPONENT										
84000000	83020000	85010000	0.00000	0.00000	0.00000	0.14700	1.0000	1000	0	0	0	
C-85	PIPE	COMPONENT										
85010000	85010000	85020000	0.00000	0.00000	0.00000	0.14700	1.0000	1000	0	0	0	
C-87-85	SNGLJUN	COMPONENT										
86000000	87010000	85010000	0.00000	0.00000	0.00000	0.14700	1.0000	1000	0	0	0	
C-89-87	SNGLJUN	COMPONENT										
88000000	89010000	87010000	0.00000	0.00000	0.00000	0.14700	1.0000	1000	0	0	0	
C-91-89	SNGLJUN	COMPONENT										
90000000	91030000	89010000	0.00000	0.00000	0.00000	0.14700	1.0000	1000	0	0	0	
C-91	PIPE	COMPONENT										
91010000	91010000	91020000	0.00000	0.00000	0.00000	0.14700	1.0000	1000	0	0	0	
91020000	91020000	91030000	0.00000	0.00000	0.00000	0.14700	1.0000	1000	0	0	0	
C-01-91	SNGLJUN	COMPONENT										
92000000	1010000	91010000	0.00000	0.00000	0.00000	0.14700	1.0000	0	0	0	0	
RD	VALVE	COMPONENT										
94000000	95010000	93010000	0.00000	0.00000	0.00000	0.20100	0.00000	100	0	0	0	
PR-2A	VALVE	COMPONENT										
98000000	198010000	36010000	0.00000	0.00000	0.00000	1.70000E-02	0.00000	100	0	0	0	
C-100	SNGLJUN	COMPONENT										
100000000	101010000	99010000	0.00000	0.00000	0.00000	0.14700	1.0000	1000	0	0	0	
C1-103	SNGLJUN	COMPONENT										
102000000	103020000	101010000	0.00000	0.00000	0.00000	0.14700	1.0000	1000	0	0	0	
C-103	PIPE	COMPONENT										
103010000	103010000	103020000	0.00000	0.00000	0.00000	0.14700	1.0000	1000	0	0	0	
C5-103	SNGLJUN	COMPONENT										
104000000	105020000	103010000	0.00000	0.00000	0.00000	0.14700	1.0000	1000	0	0	0	
C-105	PIPE	COMPONENT										
105010000	105010000	105020000	0.00000	0.00000	0.00000	0.14700	1.0000	1000	0	0	0	
C7-105	SNGLJUN	COMPONENT										
106000000	107010000	105010000	0.00000	0.00000	0.00000	0.14700	1.0000	1000	0	0	0	
C9-107	SNGLJUN	COMPONENT										
108000000	109010000	107010000	0.00000	0.00000	0.00000	0.14700	1.0000	1000	0	0	0	
C11-109	SNGLJUN	COMPONENT										
110000000	111030000	109010000	0.00000	0.00000	0.00000	0.14700	1.0000	1000	0	0	0	
C-111	PIPE	COMPONENT										
111010000	111010000	111020000	0.00000	0.00000	0.00000	0.14700	1.0000	1000	0	0	0	
111020000	111020000	111030000	0.00000	0.00000	0.00000	0.14700	1.0000	1000	0	0	0	
C13-111	SNGLJUN	COMPONENT										
112000000	113010000	111010000	0.00000	0.00000	0.00000	0.14700	1.0000	0	0	0	0	
C-114	PIPE	COMPONENT										
114010000	114010000	114020000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0	
114020000	114020000	114030000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0	
C-119	SNGLJUN	COMPONENT										
119000000	36030000	136010000	0.00000	0.00000	0.00000	0.20100	1.0000	1000	0	0	0	

C-120	SNGLJUN	COMPONENT										
120000000	136010000	97010000	0.00000	0.00000	0.00000	0.20100	1.0000	100	0	0	0	
C-121	SNGLJUN	COMPONENT										
121000000	97010000	96010000	0.00000	0.00000	0.00000	0.20100	1.0000	100	0	0	0	
C-122	SNGLJUN	COMPONENT										
122000000	97010000	95010000	0.00000	0.00000	0.00000	0.20100	0.92039	100	0	0	0	
C-123	SNGLJUN	COMPONENT										
123000000	114030000	48010000	0.00000	0.00000	0.00000	0.54800	0.25000	100	0	0	0	
RD	VALVE	COMPONENT										
194000000	195020000	193010000	0.00000	0.00000	0.00000	0.18800	0.00000	100	0	0	0	
C-195	PIPE	COMPONENT										
195010000	195010000	195020000	0.00000	0.00000	0.00000	0.18800	1.0000	0	0	0	0	
C-44-195	SNGLJUN	COMPONENT										
196000000	44010000	195010000	0.00000	0.00000	0.00000	0.20100	1.0000	100	0	0	0	

108000000	109010000	107010000	0.00000	0.00000	0.00000	0.14700	1.0000	1000	0	0	0
C11-109 SNGLJUN COMPONENT											
110000000	111030000	109010000	0.00000	0.00000	0.00000	0.14700	1.0000	1000	0	0	0
C-111 PIPE COMPONENT											
111010000	111010000	111020000	0.00000	0.00000	0.00000	0.14700	1.0000	1000	0	0	0
111020000	111020000	111030000	0.00000	0.00000	0.00000	0.14700	1.0000	1000	0	0	0
C13-111 SNGLJUN COMPONENT											
112000000	113010000	111010000	0.00000	0.00000	0.00000	0.14700	1.0000	0	0	0	0
C-114 PIPE COMPONENT											
114010000	114010000	114020000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
114020000	114020000	114030000	0.00000	0.00000	0.00000	0.54800	1.0000	1000	0	0	0
C-119 SNGLJUN COMPONENT											
119000000	136030000	136010000	0.00000	0.00000	0.00000	0.20100	1.0000	1000	0	0	0

C-120 SNGLJUN COMPONENT											
120000000	136010000	97010000	0.00000	0.00000	0.00000	0.20100	1.0000	100	0	0	0
C-121 SNGLJUN COMPONENT											
121000000	97010000	96010000	0.00000	0.00000	0.00000	0.20100	1.0000	100	0	0	0
C-122 SNGLJUN COMPONENT											
122000000	97010000	95010000	0.00000	0.00000	0.00000	0.20100	0.92039	100	0	0	0
C-123 SNGLJUN COMPONENT											
123000000	114030000	48010000	0.00000	0.00000	0.00000	0.54800	0.25000	100	0	0	0
RD VALVE COMPONENT											
194000000	195020000	193010000	0.00000	0.00000	0.00000	0.18800	0.00000	100	0	0	0
C-195 PIPE COMPONENT											
195010000	195010000	195020000	0.00000	0.00000	0.00000	0.18800	1.0000	0	0	0	0
C-44-195 SNGLJUN COMPONENT											
196000000	44010000	195010000	0.00000	0.00000	0.00000	0.20100	1.0000	100	0	0	0
V-INLET SNGLJUN COMPONENT											
278000000	79010000	178010000	0.00000	0.00000	0.00000	1.70000E-02	1.0000	100	0	0	0
V-INLET SNGLJUN COMPONENT											
298000000	99010000	198010000	0.00000	0.00000	0.00000	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	CCAG	FORMFJ	FORMGJ
36010000	59.813	3.73246E-02	SGP	INV	1.940E+17	0.941	0.941	0.941	0.000	0.00	0.00
36020000	59.996	3.73246E-02	SGP	INV	1.940E+17	0.470	0.470	0.470	0.000	0.00	0.00
37000000	61.715	6.63601E-02	SGP	INV	1.940E+17	0.563	0.563	0.563	0.948	0.00	0.00
38010000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
38020000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
38030000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
38040000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
38050000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
38060000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
39000000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
41000000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
43000000	61.715	6.63601E-02	SGP	INV	1.940E+17	0.663	0.663	0.663	0.948	0.00	0.00
45000000	61.715	3.73246E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00
46010000	61.715	6.63601E-02	SGP	INV	1.940E+17	0.631	0.631	0.631	0.948	0.00	0.00
46020000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
47000000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
48010000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
48020000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
48030000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
48040000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
48050000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
48060000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
48070000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
48080000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
49000000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
50010000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
50020000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
50030000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
50040000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
51000000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
53000000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54010000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54020000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54030000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54040000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54050000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54060000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54070000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54080000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00

54090000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54100000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54110000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54120000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54130000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54140000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54150000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54160000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54170000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54180000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54190000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54200000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54210000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54220000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54230000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00

50010000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
50020000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
50030000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
50040000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
51000000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
53000000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54010000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54020000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54030000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54040000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54050000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54060000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54070000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54080000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00

195010000	61.715	6.63601E-02	SGP	INV	1.940E+17	0.483	0.483	0.483	0.448	0.00	0.00
196000000	61.715	3.73246E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00
278000000	33.167	8.8331	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
298000000	33.167	8.8331	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00

CONTROL VARIABLE EDIT

1	PSV	FUNCTION	0.00000
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---RESTART NO. 0 WRITTEN, BLOCK NO. 0---

NUMBER OF SPARSE MATRIX ELEMENTS: ORIGINAL = 663, FACTORED = 669 ROUNDOFF ERROR = 2.000000E-12

NUMBER OF SPARSE MATRIX ELEMENTS: ORIGINAL = 663, FACTORED = 663 ROUNDOFF ERROR = 4.000000E-12

106000000	33.167	8.8331	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
108000000	33.167	8.8331	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
110000000	33.167	8.8331	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
111010000	33.167	8.8331	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
111020000	33.167	8.8331	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
112000000	33.167	8.8331	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
114010000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
114020000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
119000000	60.945	3.73246E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00
120000000	61.715	3.73246E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00
121000000	61.715	3.73246E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00
122000000	61.715	3.73246E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00
123000000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
194000000	61.898	6.63601E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00

195010000	61.715	6.63601E-02	SGP	INV	1.940E+17	0.483	0.483	0.483	0.948	0.00	0.00
196000000	61.715	3.73246E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00
278000000	33.167	8.8331	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
298000000	33.167	8.8331	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00

1 PSV CONTROL VARIABLE EDIT
FUNCTION 0.00000

---RESTART NO. 0 WRITTEN, BLOCK NO. 0---

NUMBER OF SPARSE MATRIX ELEMENTS: ORIGINAL = 663, FACTORED = 669 ROUNDOFF ERROR = 2.000000E-12

NUMBER OF SPARSE MATRIX ELEMENTS: ORIGINAL = 663, FACTORED = 663 ROUNDOFF ERROR = 4.000000E-12

\$\$\$ ADVANCEMENT 14 FOR TIME = 1.220703E-07 HAD EXCESSIVE ERROR AT THE MINIMUM TIME STEP.

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)
0.00000	14.700	120.00	14.700	212.01	14.700	120.00	14.700	120.00	14.700
1.00000E-03	14.690	120.00	14.730	221.33	17.631	120.00	14.676	125.39	14.690
2.00000E-03	14.401	120.00	20.274	236.67	23.502	120.00	22.833	122.35	14.401
3.00000E-03	14.882	120.00	14.101	264.01	37.902	120.00	12.905	127.28	14.882
4.00000E-03	14.727	120.00	18.600	296.87	63.920	120.00	16.076	125.40	14.727
5.00000E-03	14.207	120.00	20.872	325.48	96.801	120.00	15.518	108.50	14.207
6.00000E-03	14.104	120.01	31.744	350.60	135.66	120.00	17.971	108.29	14.104
7.00000E-03	13.959	120.02	55.699	368.34	169.82	120.00	26.106	107.8	13.959
8.00000E-03	14.207	120.04	92.048	380.02	195.77	120.01	38.683	108.92	14.207

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)
0.00000	14.700	120.00	14.700	212.01	14.700	120.00	14.700	120.00	14.700
1.00000E-03	14.690	120.00	14.730	221.33	17.631	120.00	14.676	125.39	14.690
2.00000E-03	14.401	120.00	20.274	236.67	23.502	120.00	22.833	122.35	14.401
3.00000E-03	14.882	120.00	14.101	264.01	37.902	120.00	12.905	127.28	14.882
4.00000E-03	14.727	120.00	18.600	296.87	63.920	120.00	16.076	125.40	14.727
5.00000E-03	14.207	120.00	20.872	325.48	96.801	120.00	15.518	108.50	14.207
6.00000E-03	14.104	120.01	31.744	350.60	135.66	120.00	17.971	108.29	14.104
7.00000E-03	13.959	120.02	55.699	368.34	169.82	120.00	26.106	107.87	13.959
8.00000E-03	14.207	120.04	92.048	380.02	195.77	120.01	38.683	108.92	14.207
9.00000E-03	14.460	120.09	128.22	388.32	216.02	120.02	50.604	109.87	14.460
1.00000E-02	14.670	120.22	158.70	398.87	244.10	120.02	60.295	110.53	14.670
1.10000E-02	14.783	120.50	177.04	414.08	289.47	120.03	65.833	110.93	14.783
1.20000E-02	14.755	121.10	193.20	432.62	353.30	120.07	70.702	110.85	14.755
1.30000E-02	14.835	122.17	210.18	451.83	430.41	120.16	75.927	111.33	14.835
1.40000E-02	15.211	123.94	231.83	469.05	509.96	120.37	83.074	114.53	15.211
1.50000E-02	15.667	126.60	212.96	482.97	582.16	120.81	80.799	117.56	15.667
1.60000E-02	16.134	130.58	203.71	492.61	636.57	121.61	79.141	119.15	16.134
1.70000E-02	16.748	136.21	219.01	499.32	676.67	123.00	95.210	119.99	16.748
1.80000E-02	17.614	143.61	233.88	503.88	705.00	125.25	115.32	120.61	17.614
1.90000E-02	18.961	153.02	243.38	505.74	716.85	128.60	132.24	121.28	18.961
2.00000E-02	21.056	164.80	254.55	504.17	706.87	133.32	147.23	122.17	21.056
2.10000E-02	24.379	179.69	265.30	498.68	672.77	139.74	161.50	123.39	24.379
2.20000E-02	30.135	198.48	289.01	483.25	617.22	148.40	178.32	125.06	30.135
2.30000E-02	40.764	220.71	288.42	477.42	552.52	160.06	196.23	127.33	40.764
2.40000E-02	58.600	250.24	246.85	465.99	495.07	174.93	196.48	130.13	58.600
2.50000E-02	84.091	291.79	200.33	461.97	476.02	193.41	179.46	133.56	84.091
2.60000E-02	110.56	343.62	136.04	458.83	461.49	216.42	148.05	137.72	110.56
2.70000E-02	118.71	366.56	166.08	452.13	431.71	242.49	104.37	142.65	118.71
2.80000E-02	108.19	376.50	187.65	445.61	404.15	277.98	119.95	148.45	108.19
2.90000E-02	101.37	371.57	176.71	440.97	385.38	319.21	108.35	155.46	101.37
3.00000E-02	99.247	362.84	158.58	438.34	375.04	344.39	125.07	163.26	99.247
3.10000E-02	96.362	360.82	154.60	434.77	361.37	362.23	157.37	170.89	96.362
3.20000E-02	104.68	357.98	149.14	428.99	340.00	367.26	167.56	178.90	104.68
3.30000E-02	120.51	348.83	132.58	422.58	317.52	357.52	148.26	187.64	120.51
3.40000E-02	123.75	339.83	117.73	417.11	299.22	345.49	126.89	196.69	123.75
3.50000E-02	130.32	332.09	106.04	412.88	285.67	334.95	110.24	206.07	130.32
3.60000E-02	145.91	328.04	100.30	409.68	275.73	332.90	107.22	215.72	145.91
3.70000E-02	159.31	326.73	98.496	407.38	268.74	336.46	112.51	224.74	159.31
3.80000E-02	173.08	327.72	99.860	405.39	262.82	342.23	121.54	232.89	173.08
3.90000E-02	182.07	330.02	103.07	403.55	257.42	348.63	132.23	238.87	182.07
4.00000E-02	188.24	332.20	106.20	402.70	254.95	353.76	141.31	243.82	188.24
4.10000E-02	189.81	334.23	109.18	401.83	252.44	357.89	148.97	248.62	189.81
4.20000E-02	189.26	336.24	112.19	400.78	249.47	361.32	155.58	253.10	189.26
4.30000E-02	187.49	337.96	114.81	400.26	247.99	364.03	160.96	257.34	187.49
4.40000E-02	183.01	339.33	116.94	399.91	247.02	365.96	164.89	261.54	183.01
4.50000E-02	174.71	340.15	118.23	399.73	246.50	366.74	166.48	265.73	174.71
4.60000E-02	166.44	340.01	118.00	399.70	246.42	365.77	164.50	270.28	166.44
4.70000E-02	159.77	338.67	115.91	399.81	246.72	363.05	158.99	275.46	159.77
4.80000E-02	153.26	336.49	112.56	400.01	247.29	359.31	151.67	281.39	153.26
4.90000E-02	145.51	334.09	108.97	400.28	248.06	355.30	144.12	287.96	145.51

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)
0.00000	120.00	14.700	212.01	14.700	120.00	14.700	120.00	14.700	14.700
1.00000E-03	108.88	14.466	224.25	18.643	120.00	14.660	125.42	14.700	14.700
2.00000E-03	114.38	14.669	241.76	25.774	120.01	15.881	125.42	14.719	14.707
3.00000E-03	110.44	14.210	275.95	46.112	120.03	16.708	127.42	14.957	14.809
4.00000E-03	112.23	14.566	314.55	82.951	120.10	16.719	130.90	15.157	15.054
5.00000E-03	112.81	14.547	342.56	122.08	120.31	20.540	126.45	14.687	14.866
6.00000E-03	115.51	14.539	364.30	161.52	120.88	29.204	124.30	14.626	14.600
7.00000E-03	118.51	14.639	380.18	196.16	122.25	40.912	126.86	14.822	14.753
8.00000E-03	120.99	14.938	393.14	228.51	124.79	51.173	126.62	14.780	14.797

4.10000E-02	189.81	334.23	109.18	401.83	253.44	357.89	148.97	248.62	189.81
4.20000E-02	189.26	336.24	112.19	400.78	246.47	361.32	155.58	253.10	189.26
4.30000E-02	187.49	337.96	114.81	400.26	247.99	364.03	160.96	257.34	187.49
4.40000E-02	183.01	339.33	116.94	399.91	247.02	365.96	164.89	261.54	183.01
4.50000E-02	174.71	340.15	118.23	399.73	246.50	366.74	166.48	265.73	174.71
4.60000E-02	166.44	340.01	118.00	399.70	246.42	365.77	164.50	270.28	166.44
4.70000E-02	159.77	338.67	115.91	399.81	246.72	363.05	158.99	275.46	159.77
4.80000E-02	153.26	336.49	112.56	400.01	247.29	359.31	151.67	281.39	153.26
4.90000E-02	145.51	334.09	108.97	400.28	248.06	355.30	144.12	287.96	145.51

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)
0.00000	120.00	14.700	212.01	14.700	120.00	14.700	120.00	14.700	14.700
1.00000E-03	108.88	14.466	224.25	18.643	120.00	14.660	125.42	14.700	14.700
2.00000E-03	114.38	14.669	241.76	25.774	120.01	15.881	125.42	14.719	14.707
3.00000E-03	110.44	14.210	275.95	46.112	120.03	16.708	127.42	14.957	14.809
4.00000E-03	112.23	14.566	314.55	82.951	120.10	16.719	130.90	15.157	15.054
5.00000E-03	112.81	14.547	342.56	122.08	120.31	20.540	126.45	14.687	14.866
6.00000E-03	115.51	14.539	364.30	161.52	120.88	29.204	124.30	14.626	14.600
7.00000E-03	118.51	14.639	380.18	196.16	122.25	40.912	126.86	14.822	14.753
8.00000E-03	120.99	14.938	393.14	228.51	124.79	51.173	126.62	14.780	14.797
9.00000E-03	123.47	15.196	412.39	284.11	128.81	62.473	126.39	14.767	14.765
1.00000E-02	126.56	15.439	434.51	360.37	134.47	75.153	126.10	14.746	14.749
1.10000E-02	130.51	15.750	454.64	442.69	141.63	94.729	127.14	14.855	14.796
1.20000E-02	135.45	16.249	469.64	512.91	150.25	122.81	127.76	14.895	14.867
1.30000E-02	141.30	17.276	479.58	563.51	160.32	159.47	127.73	14.899	14.876
1.40000E-02	147.98	19.521	485.36	595.30	171.91	195.87	127.45	14.934	14.882
1.50000E-02	155.35	24.342	485.55	596.90	185.56	223.48	127.16	15.007	14.942
1.60000E-02	163.54	34.419	477.40	552.40	203.04	236.09	124.13	15.043	14.975
1.70000E-02	172.73	50.798	463.90	485.10	228.57	230.67	110.90	15.059	14.996
1.80000E-02	183.36	68.808	455.70	447.41	265.41	213.33	111.75	15.267	15.080
1.90000E-02	194.88	75.790	447.10	410.32	318.86	218.29	112.27	15.401	15.169
2.00000E-02	206.76	71.780	441.55	387.68	383.06	203.03	113.37	15.655	15.283
2.10000E-02	217.79	72.917	434.83	361.57	394.89	233.19	115.11	15.944	15.343
2.20000E-02	232.45	90.418	424.42	323.84	379.67	194.96	118.38	16.388	15.597
2.30000E-02	247.58	87.839	415.79	294.92	356.45	146.26	124.07	17.189	15.702
2.40000E-02	266.57	65.973	409.80	276.07	344.14	124.67	130.69	18.231	16.093
2.50000E-02	280.60	50.288	406.33	265.60	330.36	103.56	137.88	20.774	16.276
2.60000E-02	286.68	54.853	404.22	259.38	319.21	88.646	143.58	25.080	16.237
2.70000E-02	291.91	59.332	402.89	255.50	313.76	82.015	147.60	30.569	16.427
2.80000E-02	292.41	59.745	402.03	253.02	312.13	80.107	150.64	36.885	16.704
2.90000E-02	290.19	57.726	401.40	251.22	308.47	75.950	153.26	43.941	17.063
3.00000E-02	288.13	55.912	400.84	249.62	306.44	73.731	155.71	51.511	17.501
3.10000E-02	289.06	56.721	400.46	248.57	305.43	72.634	158.11	60.083	18.017
3.20000E-02	289.82	57.391	399.96	247.13	303.43	70.525	160.61	70.225	18.620
3.30000E-02	286.83	54.788	399.47	245.78	302.80	69.861	163.28	82.693	19.365
3.40000E-02	285.57	53.717	399.01	244.48	299.90	66.902	166.21	98.282	20.298
3.50000E-02	286.58	54.575	398.58	243.27	297.11	64.152	169.43	117.18	21.313
3.60000E-02	287.83	55.649	398.19	242.20	292.86	60.135	172.95	138.71	22.663
3.70000E-02	290.92	58.376	397.86	241.28	291.17	58.597	176.80	165.27	27.926
3.80000E-02	293.61	60.830	397.62	240.62	289.29	56.923	180.86	175.91	33.922
3.90000E-02	297.13	64.175	397.45	240.17	287.24	55.136	184.97	185.66	32.554
4.00000E-02	303.59	70.686	396.99	238.90	284.09	52.490	188.76	178.07	31.321
4.10000E-02	310.17	77.863	397.09	239.16	283.27	51.817	192.21	173.31	27.205
4.20000E-02	314.84	83.289	397.64	240.68	285.67	53.808	195.30	158.83	27.100
4.30000E-02	315.67	84.285	397.86	241.29	284.29	52.651	198.15	145.96	27.493
4.40000E-02	318.39	87.621	398.14	242.06	284.11	52.506	200.72	135.24	27.239
4.50000E-02	319.45	88.945	398.44	242.91	285.98	54.062	203.06	128.48	25.977
4.60000E-02	318.27	87.478	398.76	243.80	289.79	57.365	205.17	122.04	24.741
4.70000E-02	319.37	88.845	399.07	244.65	295.38	62.497	207.19	118.13	24.040
4.80000E-02	323.04	93.563	399.34	245.41	302.19	69.236	208.86	109.39	23.842
4.90000E-02	328.25	100.65	399.57	246.05	309.98	76.525	210.53	103.35	23.576

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)
0.00000	14.700	6.63601E-02	120.00	120.00	14.700	120.00	14.700	120.00	14.700
1.00000E-03	14.700	6.57438E-02	125.42	125.42	14.700	125.42	14.700	125.42	14.700
2.00000E-03	14.757	6.60015E-02	125.42	125.42	14.700	125.42	14.700	125.42	14.700
3.00000E-03	15.204	6.74543E-02	126.19	125.42	14.700	125.42	14.700	125.42	14.700
4.00000E-03	14.941	6.62376E-02	128.92	125.44	14.704	125.42	14.700	125.42	14.700
5.00000E-03	14.562	6.51505E-02	127.87	125.71	14.737	125.42	14.699	125.42	14.699
6.00000E-03	14.776	6.59061E-02	124.24	126.81	14.851	125.42	14.701	125.42	14.701
7.00000E-03	14.803	6.59195E-02	125.49	128.14	14.948	125.51	14.711	125.51	14.711
8.00000E-03	14.769	6.58362E-02	126.45	127.34	14.840	125.90	14.755	125.90	14.755

4.00000E-02	303.59	76.86	346.99	238.90	284.09	52.490	188.76	176.07	31.321
4.10000E-02	310.17	77.863	397.09	239.16	283.27	51.817	192.21	173.31	27.205
4.20000E-02	314.84	83.289	397.64	240.68	285.67	53.808	195.30	158.83	27.100
4.30000E-02	315.67	84.285	397.86	241.29	284.29	52.651	198.15	145.96	27.493
4.40000E-02	318.39	87.621	398.14	242.06	284.11	52.506	200.72	135.24	27.239
4.50000E-02	319.45	88.945	398.44	242.91	285.98	54.062	203.06	128.48	25.977
4.60000E-02	318.27	87.478	398.76	243.80	289.79	57.365	205.17	122.04	24.741
4.70000E-02	319.37	88.845	399.07	244.65	295.38	62.497	207.19	118.13	24.040
4.80000E-02	323.04	93.563	399.34	245.41	302.19	69.236	208.86	109.39	23.842
4.90000E-02	328.24	100.65	399.57	246.05	308.98	76.525	210.53	103.35	23.576

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)
0.00000	14.700	6.63601E-02	120.00	120.00	14.700	120.00	14.700	120.00	14.700
1.00000E-03	14.700	6.57438E-02	125.42	125.42	14.700	125.42	14.700	125.42	14.700
2.00000E-03	14.757	6.60015E-02	125.42	125.42	14.700	125.42	14.700	125.42	14.700
3.00000E-03	15.204	6.74543E-02	126.19	125.42	14.700	125.42	14.700	125.42	14.700
4.00000E-03	14.941	6.62376E-02	128.92	125.44	14.704	125.42	14.700	125.42	14.700
5.00000E-03	14.562	6.51505E-02	127.87	125.71	14.737	125.42	14.699	125.42	14.699
6.00000E-03	14.776	6.59061E-02	124.24	126.81	14.851	125.42	14.701	125.42	14.701
7.00000E-03	14.803	6.59195E-02	125.49	128.14	14.948	125.51	14.711	125.51	14.711
8.00000E-03	14.769	6.58362E-02	126.45	127.34	14.840	125.90	14.755	125.90	14.755
9.00000E-03	14.759	6.57938E-02	126.03	125.56	14.700	126.82	14.842	126.82	14.842
1.00000E-02	14.789	6.59721E-02	125.87	125.57	14.727	127.58	14.895	127.58	14.895
1.10000E-02	14.886	6.63581E-02	126.17	126.24	14.777	127.12	14.835	127.12	14.835
1.20000E-02	14.894	6.67365E-02	127.10	126.21	14.768	126.05	14.744	126.05	14.744
1.30000E-02	14.884	6.77082E-02	127.26	126.11	14.764	125.73	14.731	125.73	14.731
1.40000E-02	14.991	6.88133E-02	127.27	126.45	14.802	126.05	14.761	126.05	14.761
1.50000E-02	15.018	6.95272E-02	127.89	127.04	14.852	126.19	14.769	126.19	14.769
1.60000E-02	15.088	7.12137E-02	128.25	127.33	14.874	126.22	14.774	126.22	14.774
1.70000E-02	15.134	7.46952E-02	128.27	127.53	14.895	126.50	14.804	126.50	14.804
1.80000E-02	15.236	8.36026E-02	128.34	127.97	14.937	126.96	14.845	126.96	14.845
1.90000E-02	15.506	0.10509	128.30	128.39	14.973	127.29	14.874	127.29	14.874
2.00000E-02	15.785	0.15339	126.67	128.70	15.003	127.56	14.898	127.56	14.898
2.10000E-02	16.123	0.26641	111.93	129.50	15.082	127.96	14.935	127.96	14.935
2.20000E-02	16.782	0.52930	113.22	130.67	15.188	128.38	14.973	128.38	14.973
2.30000E-02	18.034	1.1057	114.35	131.74	15.286	128.80	15.012	128.80	15.012
2.40000E-02	21.297	2.1847	117.53	132.83	15.390	129.59	15.087	129.59	15.087
2.50000E-02	26.742	3.8332	123.01	134.51	15.548	130.72	15.191	130.72	15.191
2.60000E-02	30.343	5.9708	127.78	136.49	15.742	131.83	15.293	131.83	15.293
2.70000E-02	32.392	8.4264	133.23	139.55	16.034	133.07	15.410	133.07	15.410
2.80000E-02	33.715	10.995	138.34	141.44	16.197	134.76	15.571	134.76	15.571
2.90000E-02	35.323	13.511	142.79	141.42	16.190	137.05	15.793	137.05	15.793
3.00000E-02	37.612	15.738	146.63	141.56	16.240	139.82	16.053	139.82	16.053
3.10000E-02	39.147	17.445	149.94	141.15	16.275	141.52	16.189	141.52	16.189
3.20000E-02	39.521	18.431	152.98	140.51	16.406	141.84	16.212	141.84	16.212
3.30000E-02	39.983	18.658	155.86	135.37	16.439	142.12	16.247	142.12	16.247
3.40000E-02	39.505	18.063	158.75	115.62	16.547	142.80	16.319	142.80	16.319
3.50000E-02	39.598	16.694	161.71	116.48	16.696	143.64	16.400	143.64	16.400
3.60000E-02	40.430	14.662	164.74	116.70	16.706	144.45	16.481	144.45	16.481
3.70000E-02	38.802	12.150	203.96	117.09	16.728	145.27	16.560	145.27	16.560
3.80000E-02	40.134	9.6205	203.28	118.11	16.866	146.03	16.633	146.03	16.633
3.90000E-02	43.336	7.3251	197.30	119.14	16.891	146.64	16.696	146.64	16.696
4.00000E-02	43.940	5.4485	194.67	121.02	17.042	147.27	16.755	147.27	16.755
4.10000E-02	47.508	4.0404	193.80	124.04	17.303	147.87	16.826	147.87	16.826
4.20000E-02	58.666	3.0284	193.62	128.37	17.610	148.69	16.915	148.69	16.915
4.30000E-02	71.189	2.3146	194.84	134.29	18.031	149.83	17.066	149.83	17.066
4.40000E-02	85.687	1.8149	195.49	141.28	18.455	151.22	17.283	151.22	17.283
4.50000E-02	95.974	1.4475	196.08	148.43	18.830	152.45	17.574	152.45	17.574
4.60000E-02	103.39	1.1764	196.85	154.90	19.082	150.81	17.937	150.81	17.937
4.70000E-02	102.27	0.95884	197.68	160.28	19.190	140.24	18.219	140.24	18.219
4.80000E-02	101.94	0.80293	198.72	164.69	19.165	121.82	18.533	121.82	18.533
4.90000E-02	104.82	0.69370	199.73	168.29	19.081	122.67	18.698	122.67	18.698

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)
0.00000	120.00	14.700	120.00	14.700	14.700	14.700	61.715	120.00	61.715
1.00000E-03	125.42	14.700	125.42	14.700	14.730	14.729	61.715	120.00	61.715
2.00000E-03	125.42	14.700	125.46	14.715	20.274	20.026	61.716	120.00	61.716
3.00000E-03	125.42	14.700	126.27	14.807	14.101	13.800	61.714	120.00	61.714
4.00000E-03	125.42	14.700	128.57	15.040	18.600	18.554	61.715	120.00	61.715
5.00000E-03	125.42	14.700	129.69	15.060	20.872	20.733	61.716	120.00	61.716
6.00000E-03	125.42	14.700	125.32	14.601	31.744	31.577	61.718	120.01	61.718
7.00000E-03	125.42	14.700	120.00	14.201	55.699	55.635	61.722	120.02	61.722
8.00000E-03	125.42	14.700	120.39	14.321	92.008	92.382	61.729	120.03	61.729

4.100000E-02	47.508	4.0484	193.80	124.04	17.303	147.87	16.826	147.87	16.826
4.200000E-02	58.666	3.0284	193.62	128.37	17.610	148.69	16.915	148.69	16.915
4.300000E-02	71.189	2.3146	194.84	134.29	18.031	149.83	17.066	149.83	17.066
4.400000E-02	85.687	1.8149	195.49	141.28	18.455	151.22	17.283	151.22	17.283
4.500000E-02	95.974	1.4475	196.08	148.43	18.830	152.45	17.574	152.45	17.574
4.600000E-02	103.39	1.1764	196.85	154.90	19.082	150.81	17.937	150.81	17.937
4.700000E-02	102.27	0.95884	197.68	160.28	19.190	140.24	18.219	140.24	18.219
4.800000E-02	101.94	0.80293	198.72	164.69	19.165	121.82	18.533	121.82	18.533
4.900000E-02	104.82	0.69370	199.73	168.29	19.081	122.67	18.698	122.67	18.698

TIME (SEC)	TEMP 54500000 (DEGF)	P 54500000 (LB/IN2)	TEMP 60010000 (DEGF)	P 60010000 (LB/IN2)	P 97010000 (LB/IN2)	P 95010000 (LB/IN2)	RHO 97010000 (LB/FT3)	TEMP 95010000 (DEGF)	RHO 95010000 (LB/FT3)
0.00000	120.30	14.700	120.00	14.700	14.700	14.700	61.715	120.00	61.715
1.00000E-03	125.42	14.700	125.42	14.700	14.730	14.729	61.715	120.00	61.715
2.00000E-03	125.42	14.700	125.46	14.715	20.274	20.026	61.716	120.00	61.716
3.00000E-03	125.42	14.700	126.27	14.807	14.101	13.800	61.714	120.00	61.714
4.00000E-03	125.42	14.700	128.57	15.040	18.600	18.554	61.715	120.00	61.715
5.00000E-03	125.42	14.700	129.69	15.060	20.872	20.733	61.716	120.00	61.716
6.00000E-03	125.42	14.700	125.32	14.601	31.744	31.577	61.718	120.01	61.718
7.00000E-03	125.42	14.700	120.00	14.201	55.699	55.635	61.722	120.02	61.722
8.00000E-03	125.42	14.700	120.39	14.321	92.048	92.382	61.729	120.03	61.729
9.00000E-03	125.42	14.700	124.03	14.632	128.22	129.44	61.735	120.05	61.735
1.00000E-02	125.42	14.700	125.47	14.710	158.70	162.36	61.738	120.06	61.741
1.10000E-02	125.42	14.700	124.84	14.654	177.04	184.47	61.729	120.07	61.745
1.20000E-02	125.42	14.700	124.88	14.671	193.20	206.85	61.696	120.08	61.750
1.30000E-02	125.42	14.700	125.25	14.697	210.18	232.68	61.605	120.10	61.754
1.40000E-02	125.42	14.700	125.12	14.683	231.83	266.45	61.403	120.11	61.760
1.50000E-02	125.42	14.700	125.14	14.692	212.96	166.70	60.860	120.09	61.739
1.60000E-02	125.42	14.700	125.50	14.724	203.71	177.26	59.677	120.32	61.700
1.70000E-02	125.42	14.700	125.69	14.736	219.01	205.00	57.706	121.02	61.558
1.80000E-02	125.42	14.700	125.64	14.730	233.88	234.63	54.508	122.55	61.166
1.90000E-02	125.42	14.700	125.60	14.727	243.38	302.51	49.936	125.33	60.504
2.00000E-02	125.42	14.700	125.59	14.727	254.55	324.50	44.343	129.54	59.172
2.10000E-02	125.42	14.700	125.56	14.724	265.30	514.04	37.999	135.48	58.554
2.20000E-02	125.43	14.700	125.54	14.722	289.01	777.89	32.404	141.74	58.427
2.30000E-02	125.43	14.700	125.52	14.720	288.42	269.71	27.441	146.86	51.374
2.40000E-02	125.43	14.701	125.48	14.716	246.85	183.31	20.698	158.97	40.568
2.50000E-02	125.43	14.701	125.44	14.713	200.33	157.51	14.162	182.75	28.487
2.60000E-02	125.44	14.702	125.44	14.714	136.04	129.10	8.6964	222.13	18.189
2.70000E-02	125.46	14.703	125.45	14.714	166.08	89.195	5.0637	268.94	10.953
2.80000E-02	125.51	14.708	125.43	14.712	187.65	128.01	2.5341	346.16	6.2173
2.90000E-02	125.63	14.720	125.40	14.710	176.71	123.24	1.2678	343.28	1.4015
3.00000E-02	125.85	14.741	125.37	14.706	158.58	117.85	0.77710	339.91	0.80794
3.10000E-02	126.18	14.771	125.33	14.703	154.60	170.38	0.59328	368.60	0.80294
3.20000E-02	126.53	14.801	125.31	14.701	149.14	170.58	0.48219	368.70	0.61521
3.30000E-02	126.74	14.817	125.30	14.700	132.58	151.45	0.40536	359.19	0.47433
3.40000E-02	126.72	14.812	125.28	14.699	117.73	133.38	0.35680	349.30	0.40069
3.50000E-02	126.53	14.793	125.27	14.698	106.04	118.95	0.32167	340.61	0.35484
3.60000E-02	126.33	14.776	125.28	14.699	100.30	110.92	0.30426	335.40	0.33047
3.70000E-02	126.24	14.770	125.30	14.701	98.496	108.54	0.29798	333.80	0.32232
3.80000E-02	126.30	14.777	125.31	14.702	99.860	110.03	0.30092	334.81	0.32521
3.90000E-02	126.47	14.793	125.31	14.702	103.07	113.68	0.30921	337.23	0.33428
4.00000E-02	126.72	14.817	125.33	14.704	106.20	117.63	0.31704	339.77	0.34410
4.10000E-02	127.04	14.846	125.32	14.702	109.18	121.30	0.32447	342.08	0.35317
4.20000E-02	127.39	14.879	125.31	14.702	112.19	125.04	0.33222	344.37	0.36280
4.30000E-02	127.78	14.914	125.32	14.703	114.81	128.30	0.33891	346.32	0.37124
4.40000E-02	128.22	14.955	125.30	14.701	116.94	130.94	0.34424	347.88	0.37801
4.50000E-02	128.76	15.007	125.31	14.702	118.23	132.75	0.34737	348.93	0.38254
4.60000E-02	129.47	15.074	125.34	14.705	118.00	133.02	0.34648	349.09	0.38303
4.70000E-02	130.40	15.164	125.35	14.706	115.91	131.19	0.34070	348.03	0.37794
4.80000E-02	131.63	15.282	125.34	14.705	112.56	127.65	0.33161	345.94	0.36834
4.90000E-02	133.19	15.432	125.33	14.704	108.97	123.54	0.32189	343.46	0.35715

TIME (SEC)	MFLOWJ 114020000 (LB/SEC)	MFLOWJ 94000000 (LB/SEC)	TEMP 114030000 (DEGF)	P 114030000 (LB/IN2)	P 114020000 (LB/IN2)	P 48010000 (LB/IN2)	P 195020000 (LB/IN2)	TEMP 195020000 (DEGF)	MFLOWJ 194000000 (LB/SEC)
0.00000	0.00000	0.00000	120.00	14.700	14.700	14.700	14.700	120.00	0.00000
1.00000E-03	-2.60885E-04	0.00000	125.42	14.700	14.700	14.700	14.701	125.44	0.00000
2.00000E-03	8.33671E-02	0.00000	125.42	14.719	14.757	14.707	16.261	143.60	0.00000
3.00000E-03	0.83132	0.00000	127.42	14.957	15.204	14.809	15.541	111.63	0.00000
4.00000E-03	0.67880	0.00000	130.90	15.157	14.941	15.054	15.871	113.45	0.00000
5.00000E-03	-0.35854	0.00000	126.45	14.687	14.562	14.866	15.992	114.80	0.00000
6.00000E-03	3.75994E-02	0.00000	124.30	14.626	14.776	14.600	16.126	116.43	0.00000
7.00000E-03	0.26351	0.00000	126.86	14.822	14.803	14.753	16.286	117.95	0.00000
8.00000E-03	0.13049	0.00000	126.62	14.780	14.769	14.797	16.462	118.93	0.00000
9.00000E-03	0.13517	0.00000	126.39	14.767	14.758	14.765	16.681	119.47	0.00000

4.10000E-02	127.04	14.888	125.32	14.702	109.18	121.30	0.32447	342.08	0.35317
4.20000E-02	127.39	14.879	125.31	14.702	112.19	125.04	0.33222	344.37	0.36280
4.30000E-02	127.78	14.914	125.32	14.703	114.81	128.30	0.33891	346.32	0.37124
4.40000E-02	128.22	14.955	125.30	14.701	116.94	130.94	0.34424	347.88	0.37801
4.50000E-02	128.76	15.007	125.31	14.702	118.23	132.75	0.34737	348.93	0.38254
4.60000E-02	129.47	15.074	125.34	14.705	118.00	133.02	0.34648	349.09	0.38303
4.70000E-02	130.40	15.164	125.35	14.706	115.91	131.19	0.34070	348.03	0.37794
4.80000E-02	131.63	15.282	125.34	14.705	112.56	127.65	0.33161	345.94	0.36834
4.90000E-02	133.19	15.432	125.33	14.704	108.97	123.54	0.32189	343.46	0.35715

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)	MFL/WJ 194000000 (LB/SEC)
0.00000	0.00000	0.00000	120.00	14.700	14.700	14.700	14.700	120.00	0.00000
1.00000E-03	-2.60885E-04	0.00000	125.42	14.700	14.700	14.700	14.701	125.44	0.00000
2.00000E-03	8.33671E-02	0.00000	125.42	14.719	14.757	14.707	16.261	143.60	0.00000
3.00000E-03	0.83132	0.00000	127.42	14.957	15.204	14.809	15.541	111.63	0.00000
4.00000E-03	0.67880	0.00000	130.90	15.157	14.941	15.054	15.871	113.45	0.00000
5.00000E-03	-0.35854	0.00000	126.45	14.687	14.562	14.866	15.992	114.80	0.00000
6.00000E-03	3.75994E-02	0.00000	124.30	14.626	14.776	14.600	16.126	116.43	0.00000
7.00000E-03	0.26351	0.00000	126.86	14.822	14.803	14.753	16.286	117.95	0.00000
8.00000E-03	0.13049	0.00000	126.62	14.780	14.769	14.797	16.462	118.93	0.00000
9.00000E-03	0.13517	0.00000	126.39	14.767	14.759	14.765	16.681	119.47	0.00000
1.00000E-02	0.12743	0.00000	126.10	14.746	14.789	14.749	16.996	119.79	0.00000
1.10000E-02	0.38228	0.00000	127.14	14.855	14.886	14.796	17.466	120.07	0.00000
1.20000E-02	0.38250	0.00000	127.76	14.895	14.894	14.867	18.186	120.43	0.00000
1.30000E-02	0.37934	0.00000	127.73	14.899	14.884	14.876	19.320	120.99	0.00000
1.40000E-02	0.55579	0.00000	127.45	14.934	14.991	14.882	21.191	121.89	0.00000
1.50000E-02	0.65520	79.400	127.16	15.007	15.018	14.942	24.490	123.25	0.00000
1.60000E-02	0.81553	246.17	124.13	15.043	15.088	14.975	30.838	125.08	0.00000
1.70000E-02	1.1294	445.72	110.90	15.059	15.134	14.996	43.954	127.30	0.00000
1.80000E-02	1.2886	678.74	111.75	15.267	15.236	15.080	73.802	129.83	0.00000
1.90000E-02	1.9570	861.00	112.27	15.401	15.506	15.169	148.54	132.47	0.00000
2.00000E-02	3.5920	1042.9	113.37	15.655	15.785	15.283	360.01	135.03	15.455
2.10000E-02	7.2710	886.93	115.11	15.944	16.123	15.343	567.81	136.85	111.61
2.20000E-02	17.192	719.03	118.38	16.388	16.782	15.597	397.64	137.48	229.99
2.30000E-02	45.119	1486.6	124.07	17.189	18.034	15.702	269.41	137.95	402.09
2.40000E-02	108.13	2003.7	130.69	18.231	21.297	16.093	190.64	138.57	453.44
2.50000E-02	249.69	1966.2	137.88	20.774	26.742	16.276	135.62	139.26	493.42
2.60000E-02	456.65	1640.6	143.58	25.080	30.343	16.237	96.744	140.03	544.35
2.70000E-02	696.07	1083.2	147.60	30.569	32.392	16.427	70.071	141.07	636.11
2.80000E-02	943.29	114.47	150.64	36.865	33.715	16.704	45.724	142.24	427.17
2.90000E-02	1191.6	439.60	153.26	43.941	35.323	17.063	41.661	143.96	378.11
3.00000E-02	1435.7	296.93	155.71	51.511	37.612	17.501	38.212	146.07	581.35
3.10000E-02	1632.3	120.98	158.11	60.083	39.147	18.017	37.039	148.55	517.87
3.20000E-02	1797.7	108.32	160.61	70.225	39.521	18.620	37.749	151.39	567.12
3.30000E-02	1901.6	89.241	163.28	82.693	39.983	19.365	38.681	154.46	603.20
3.40000E-02	1932.5	76.149	166.21	98.282	39.505	20.298	39.598	157.74	454.78
3.50000E-02	1877.6	67.333	169.43	117.18	39.598	21.313	37.963	161.43	536.76
3.60000E-02	1740.4	62.240	172.95	138.71	40.430	22.663	34.597	165.50	649.18
3.70000E-02	1470.7	60.502	176.80	165.27	38.802	27.926	32.877	170.33	334.25
3.80000E-02	1185.0	61.242	180.86	175.91	40.134	33.922	29.372	176.86	159.57
3.90000E-02	936.92	62.935	184.97	185.66	43.336	32.554	24.131	188.44	33.199
4.00000E-02	678.80	65.020	188.76	178.07	43.940	31.321	21.125	209.84	48.231
4.10000E-02	478.57	67.056	192.21	173.31	47.508	27.205	29.045	244.16	42.595
4.20000E-02	332.05	69.001	195.30	158.83	58.666	27.100	46.579	276.22	22.752
4.30000E-02	235.57	70.811	198.15	145.96	71.189	27.493	61.550	294.32	52.901
4.40000E-02	171.42	72.261	200.72	135.24	85.687	27.239	55.556	287.72	33.746
4.50000E-02	125.83	73.295	203.06	128.48	95.974	25.977	67.268	300.26	40.621
4.60000E-02	94.645	73.575	205.17	122.04	103.39	24.741	70.408	303.32	40.632
4.70000E-02	70.755	72.747	207.19	118.13	102.27	24.040	71.928	304.76	40.938
4.80000E-02	54.397	70.938	208.86	109.39	101.94	23.842	74.607	307.25	42.068
4.90000E-02	46.683	68.719	210.53	103.35	104.82	23.576	78.884	311.07	44.193

ATTEMPTED ADV: TOT.=	362	EDIT=	362	MIN.DT=	1.220703E-07 SEC	LAST DT=	2.500000E-04 SEC	MS.ERR=	-15.7030	LB
REPEATED ADV: TOT.=	52	EDIT=	52	MAX.DT=	5.000000E-04 SEC	CRNT.DT=	4.080806E-04 SEC	TOT.MS=	38937.4	LB
SUCCESSFUL ADV: TOT.=	310	EDIT=	310	AVG.DT=	1.612903E-04 SEC	ERR.EST=	7.425544E-05	M.RATO=	-4.032212E-04	
REQUESTED ADV: TOT.=	50	EDIT=	50	REQ.DT=	1.000000E-03 SEC	CPU=	84.3391 SEC	TIME=	5.000000E-02 SEC	

TRIP NUMBER, TRIP TIME (SEC)	505	-1.0000	506	1.45000E-02	507	-1.0000	508	1.97500E-02	509	-1.0000
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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	2691.1	1014.2	1.0000	0.00000	1.0000	1.0000	679.03	679.03	679.03	10
C-36	PIPE COMPONENT									
36010000	248.92	960.10	0.80712	0.00000	0.78990	0.99746	400.59	371.21	400.59	10

4.10000E-02	478.57	67.056	192.21	173.31	47.508	27.205	29.045	244.16	42.595
4.20000E-02	332.05	69.001	195.30	158.83	58.666	27.100	46.579	276.22	22.752
4.30000E-02	235.57	70.811	198.15	145.96	71.189	27.493	61.550	294.32	52.901
4.40000E-02	171.42	72.261	200.72	135.24	85.687	27.239	55.556	287.72	33.746
4.50000E-02	125.83	73.295	203.06	128.48	95.974	25.977	67.268	300.26	40.621
4.60000E-02	94.645	73.575	205.17	122.04	103.39	24.741	70.408	303.32	40.632
4.70000E-02	70.755	72.747	207.19	118.13	102.27	24.040	71.928	304.76	40.938
4.80000E-02	54.397	70.938	208.86	109.39	101.94	23.842	74.607	307.25	42.068
4.90000E-02	46.683	68.719	210.53	103.35	104.82	23.576	78.884	311.07	44.193

ATTEMPTED ADV: TOT.=	362	EDIT=	362	MIN.DT=	1.220703E-07 SEC	LAST DT=	2.500000E-04 SEC	MS.ERR=	-15.7030	LB
REPEATED ADV: TOT.=	52	EDIT=	52	MAX.DT=	5.000000E-04 SEC	CRNT.DT=	4.080806E-04 SEC	TOT.MS=	38937.4	LB
SUCCESSFUL ADV: TOT.=	310	EDIT=	310	AVG.DT=	1.612903E-04 SEC	ERR.EST=	7.425544E-05	M.RATO=	-4.032212E-04	
REQUESTED ADV: TOT.=	50	EDIT=	50	REQ.DT=	1.000000E-03 SEC	CPU=	84.3391	SEC	TIME=	5.000000E-02 SEC

TRIP NUMBER, TRIP TIME (SEC)

505	-1.0000	506	1.45000E-02	507	-1.0000	508	1.97500E-02	509	-1.0000
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VOL.NO.	PRESSURE (LBF/IN2)	INT. ENERGY (BTU/LB)	STATIC QUAL.	NONCOND VAPOR QUAL.	EQU. QUAL.	VOIDG	TEMPF (DEGF)	TEMPO (DEGF)	TEMPE (DEGF)	VOL. FLAG
C-001	TMDPVOL COMPONENT									
1010000	2691.1	1014.2	1.0000	0.00000	1.0000	1.0000	679.03	679.03	679.03	10
C-36	PIPE COMPONENT									
36010000	248.92	960.10	0.80712	0.00000	0.78990	0.99746	400.59	371.21	400.59	10
36020000	196.27	946.49	0.78989	0.00000	0.78042	0.99783	380.23	362.31	380.23	10
36030000	174.78	939.46	0.78060	0.00000	0.77543	0.99799	370.67	360.39	370.67	10
C-38	PIPE COMPONENT									
38010000	136.51	265.27	1.89396E-02	1.97876E-03	3.05810E-03	0.77989	281.82	345.36	295.22	0
38020000	142.33	155.00	4.01728E-03	2.30385E-03	2.42208E-03	0.37443	185.37	308.35	186.93	0
38030000	112.72	155.09	4.11696E-03	3.64174E-03	3.83421E-03	0.37525	186.61	225.91	186.90	0
38040000	100.57	184.51	1.15626E-02	9.83156E-03	1.10148E-02	0.65946	214.83	232.66	215.36	0
38050000	121.71	230.71	1.37948E-02	7.39854E-03	9.40613E-03	0.70385	256.80	302.40	260.70	0
38060000	111.83	924.86	0.77271	5.54732E-06	0.77272	0.99868	336.01	336.03	336.01	0
38070000	110.73	937.60	0.78898	6.44860E-08	0.78899	0.99881	335.28	335.30	335.28	0
C-40	SNGLVOL COMPONENT									
40010000	147.94	919.69	0.75608	2.72899E-07	0.75608	0.99809	357.34	357.35	357.34	0
C-42	SNGLVOL COMPONENT									
42010000	108.70	934.34	0.78551	3.37551E-10	0.78552	0.99881	333.91	333.93	333.91	0
C-44	BRANCH COMPONENT									
44010000	81.599	907.67	0.76763	0.00000	0.76243	0.99898	313.41	300.66	313.41	0
C-46	PIPE COMPONENT									
46010000	108.89	937.53	0.78945	0.00000	0.78945	0.99883	334.04	334.05	334.04	0
46020000	109.10	950.42	0.80547	0.00000	0.80547	0.99894	334.18	334.18	334.18	0
46030000	108.74	955.26	0.81161	1.07404E-08	0.81161	0.99899	333.94	333.94	333.94	0
C-48	PIPE COMPONENT									
48010000	23.318	170.03	3.69663E-03	1.99350E-03	3.26682E-03	0.74997	200.39	207.41	200.79	0
48020000	21.491	166.01	4.85047E-03	2.95929E-03	4.79652E-03	0.80322	196.20	196.96	196.26	0
48030000	21.659	164.20	7.54258E-03	4.86330E-03	7.53756E-03	0.86087	193.65	193.71	193.66	0
48040000	22.019	163.40	1.32692E-02	8.93332E-03	1.32742E-02	0.91374	191.25	191.22	191.25	0
48050000	20.272	161.25	1.85488E-02	1.25037E-02	1.85798E-02	0.94149	187.43	187.29	187.40	0
48060000	19.365	158.71	2.63161E-02	1.82657E-02	2.63394E-02	0.95957	182.83	182.75	182.81	0
48070000	18.999	156.09	3.87725E-02	2.82069E-02	3.87854E-02	0.97244	177.48	177.46	177.47	0
48080000	18.943	153.86	6.00103E-02	4.60429E-02	6.00120E-02	0.98197	171.26	171.30	171.26	0
48090000	19.065	152.87	9.82474E-02	7.94581E-02	9.82408E-02	0.98896	164.00	164.07	164.01	0
C-50	PIPE COMPONENT									
50010000	18.759	154.64	0.16950	0.14345	0.16948	0.99398	155.02	155.13	155.05	0
50020000	18.747	161.46	0.29263	0.25776	0.29259	0.99693	145.54	145.62	145.59	0
50030000	18.793	175.14	0.47717	0.43284	0.47718	0.99856	136.57	136.60	136.56	0
50040000	18.787	193.26	0.68793	0.63531	0.68791	0.99939	129.58	129.35	129.57	0
50050000	18.770	208.97	0.85668	0.79855	0.85669	0.99977	125.31	125.40	125.32	0
C-52	SNGLVOL COMPONENT									
52010000	18.769	218.05	0.94940	0.88837	0.94940	0.99992	123.41	123.40	123.41	0
C-54	PIPE COMPONENT									
54010000	18.572	222.34	0.99154	0.92908	0.99154	0.99998	122.32	122.32	122.32	0
54020000	18.420	222.10	0.99999	0.94277	1.0000	1.0000	118.72	142.74	142.72	0
54030000	18.384	221.48	0.99997	0.94678	1.0000	1.0000	116.15	158.92	158.81	0
54040000	18.356	221.27	1.0000	0.94774	1.0000	1.0000	115.48	162.35	162.35	0
54050000	18.301	221.11	1.0000	0.94795	1.0000	1.0000	115.24	162.45	162.45	0
54060000	18.222	220.93	1.0000	0.94799	1.0000	1.0000	115.07	161.70	161.70	0
54070000	18.129	220.75	1.0000	0.94799	1.0000	1.0000	114.88	160.71	160.71	0

54080000	18.024	220.55	1.0000	0.94800	1.0000	1.0000	114.68	159.64	159.64	0
54090000	17.912	220.34	1.0000	0.94800	1.0000	1.0000	114.46	158.49	158.49	0
54100000	17.793	220.13	1.0000	0.94800	1.0000	1.0000	114.22	157.29	157.29	0
54110000	17.670	219.90	1.0000	0.94800	1.0000	1.0000	113.98	156.06	156.06	0
54120000	17.547	219.68	1.0000	0.94800	1.0000	1.0000	113.73	154.84	154.84	0
54130000	17.427	219.47	1.0000	0.94800	1.0000	1.0000	113.49	153.67	153.67	0
54140000	17.314	219.27	1.0000	0.94800	1.0000	1.0000	113.26	152.57	152.57	0
54150000	17.211	219.09	1.0000	0.94800	1.0000	1.0000	113.05	151.57	151.57	0
54160000	17.118	218.92	1.0000	0.94800	1.0000	1.0000	112.86	150.67	150.67	0
54170000	17.037	218.78	1.0000	0.94800	1.0000	1.0000	112.69	149.88	149.88	0
54180000	16.966	218.66	1.0000	0.94800	1.0000	1.0000	112.55	149.19	149.19	0
54190000	16.906	218.55	1.0000	0.94800	1.0000	1.0000	112.42	148.61	148.61	0
54200000	16.854	218.46	1.0000	0.94800	1.0000	1.0000	112.32	148.11	148.11	0
54210000	16.810	218.38	1.0000	0.94800	1.0000	1.0000	112.23	147.68	147.68	0

50020000	18.747	161.46	0.29263	0.25776	0.29254	0.99693	145.54	145.62	145.59	0
50030000	18.793	175.14	0.47717	0.43284	0.47711	0.99856	136.57	136.60	136.56	0
50040000	18.787	193.26	0.68793	0.63531	0.68791	0.99939	129.58	129.35	129.57	0
50050000	18.770	208.97	0.85668	0.79855	0.85669	0.99977	125.31	125.40	125.32	0
C-52	SNGLVOL	COMPONENT								
52010000	18.769	218.05	0.94940	0.88837	0.94940	0.99952	123.41	123.40	123.41	0
C-54	PIPE	COMPONENT								
54010000	18.572	222.34	0.99154	0.92908	0.99154	0.99998	122.32	122.32	122.32	0
54020000	18.420	222.10	0.99999	0.94277	1.00000	1.00000	118.72	142.74	142.72	0
54030000	18.384	221.48	0.99997	0.94678	1.00000	1.00000	116.15	158.92	158.81	0
54040000	18.356	221.27	1.00000	0.94774	1.00000	1.00000	115.48	162.35	162.35	0
54050000	18.301	221.11	1.00000	0.94795	1.00000	1.00000	115.24	162.45	162.45	0
54060000	18.222	220.93	1.00000	0.94799	1.00000	1.00000	115.07	161.70	161.70	0
54070000	18.129	220.75	1.00000	0.94799	1.00000	1.00000	114.88	160.71	160.71	0

54080000	18.024	220.55	1.00000	0.94800	1.00000	1.00000	114.68	159.64	159.64	0
54090000	17.912	220.34	1.00000	0.94800	1.00000	1.00000	114.46	158.49	158.49	0
54100000	17.793	220.13	1.00000	0.94800	1.00000	1.00000	114.22	157.29	157.29	0
54110000	17.670	219.90	1.00000	0.94800	1.00000	1.00000	113.98	156.06	156.06	0
54120000	17.547	219.68	1.00000	0.94800	1.00000	1.00000	113.73	154.84	154.84	0
54130000	17.427	219.47	1.00000	0.94800	1.00000	1.00000	113.49	153.67	153.67	0
54140000	17.314	219.27	1.00000	0.94800	1.00000	1.00000	113.26	152.57	152.57	0
54150000	17.211	219.09	1.00000	0.94800	1.00000	1.00000	113.05	151.57	151.57	0
54160000	17.118	218.92	1.00000	0.94800	1.00000	1.00000	112.86	150.67	150.67	0
54170000	17.037	218.78	1.00000	0.94800	1.00000	1.00000	112.69	149.88	149.88	0
54180000	16.966	218.66	1.00000	0.94800	1.00000	1.00000	112.55	149.19	149.19	0
54190000	16.906	218.55	1.00000	0.94800	1.00000	1.00000	112.42	148.61	148.61	0
54200000	16.854	218.46	1.00000	0.94800	1.00000	1.00000	112.32	148.11	148.11	0
54210000	16.810	218.38	1.00000	0.94800	1.00000	1.00000	112.23	147.68	147.68	0
54220000	16.771	218.31	1.00000	0.94800	1.00000	1.00000	112.14	147.31	147.31	0
54230000	16.736	218.25	1.00000	0.94800	1.00000	1.00000	112.07	146.98	146.98	0
54240000	16.705	218.20	1.00000	0.94800	1.00000	1.00000	112.01	146.68	146.68	0
54250000	16.675	218.15	1.00000	0.94800	1.00000	1.00000	111.94	146.39	146.39	0
54260000	16.647	218.09	1.00000	0.94800	1.00000	1.00000	111.88	146.10	146.10	0
54270000	16.618	218.04	1.00000	0.94800	1.00000	1.00000	111.83	145.82	145.82	0
54280000	16.589	217.99	1.00000	0.94800	1.00000	1.00000	111.76	145.54	145.54	0
54290000	16.560	217.94	1.00000	0.94800	1.00000	1.00000	111.70	145.24	145.24	0
54300000	16.530	217.88	1.00000	0.94800	1.00000	1.00000	111.64	144.94	144.94	0
54310000	16.499	217.83	1.00000	0.94800	1.00000	1.00000	111.57	144.62	144.62	0
54320000	16.467	217.77	1.00000	0.94800	1.00000	1.00000	111.51	144.29	144.29	0
54330000	16.435	217.71	1.00000	0.94800	1.00000	1.00000	111.44	143.96	143.96	0
54340000	16.403	217.64	1.00000	0.94800	1.00000	1.00000	111.37	143.63	143.63	0
54350000	16.371	217.58	1.00000	0.94800	1.00000	1.00000	111.30	143.30	143.30	0
54360000	16.340	217.53	1.00000	0.94800	1.00000	1.00000	111.24	142.97	142.97	0
54370000	16.310	217.47	1.00000	0.94800	1.00000	1.00000	111.17	142.65	142.65	0
54380000	16.281	217.41	1.00000	0.94800	1.00000	1.00000	111.11	142.33	142.33	0
54390000	16.251	217.35	1.00000	0.94800	1.00000	1.00000	111.05	142.01	142.01	0
54400000	16.221	217.29	1.00000	0.94800	1.00000	1.00000	110.98	141.68	141.68	0
54410000	16.188	217.22	1.00000	0.94800	1.00000	1.00000	110.91	141.31	141.31	0
54420000	16.150	217.15	1.00000	0.94800	1.00000	1.00000	110.83	140.89	140.89	0
54430000	16.106	217.06	1.00000	0.94800	1.00000	1.00000	110.73	140.40	140.40	0
54440000	16.054	216.96	1.00000	0.94800	1.00000	1.00000	110.62	139.83	139.83	0
54450000	15.993	216.84	1.00000	0.94800	1.00000	1.00000	110.49	139.17	139.17	0
54460000	15.925	216.70	1.00000	0.94800	1.00000	1.00000	110.34	138.43	138.43	0
54470000	15.850	216.56	1.00000	0.94800	1.00000	1.00000	110.18	137.62	137.62	0
54480000	15.771	216.40	1.00000	0.94800	1.00000	1.00000	110.00	136.77	136.77	0
54490000	15.690	216.24	1.00000	0.94800	1.00000	1.00000	109.83	135.91	135.91	0
54500000	15.609	216.09	1.00000	0.94800	1.00000	1.00000	109.65	135.05	135.05	0
54510000	15.531	215.94	1.00000	0.94800	1.00000	1.00000	109.48	134.23	134.23	0
54520000	15.458	215.80	1.00000	0.94800	1.00000	1.00000	109.31	133.45	133.45	0
54530000	15.391	215.67	1.00000	0.94800	1.00000	1.00000	109.16	132.74	132.74	0
54540000	15.330	215.55	1.00000	0.94800	1.00000	1.00000	109.02	132.09	132.09	0
54550000	15.275	215.45	1.00000	0.94800	1.00000	1.00000	108.90	131.51	131.51	0
54560000	15.227	215.35	1.00000	0.94800	1.00000	1.00000	108.79	131.00	131.00	0
54570000	15.186	215.27	1.00000	0.94800	1.00000	1.00000	108.70	130.56	130.56	0
54580000	15.150	215.21	1.00000	0.94800	1.00000	1.00000	108.62	130.19	130.19	0
54590000	15.120	215.15	1.00000	0.94800	1.00000	1.00000	108.55	129.87	129.87	0
54600000	15.093	215.10	1.00000	0.94800	1.00000	1.00000	108.49	129.60	129.60	0
54610000	15.071	215.06	1.00000	0.94800	1.00000	1.00000	108.44	129.37	129.37	0
54620000	15.050	215.02	1.00000	0.94800	1.00000	1.00000	108.39	129.16	129.16	0
54630000	15.030	214.98	1.00000	0.94800	1.00000	1.00000	108.34	128.96	128.96	0
54640000	15.009	214.95	1.00000	0.94800	1.00000	1.00000	108.30	128.76	128.76	0
54650000	14.988	214.91	1.00000	0.94800	1.00000	1.00000	108.25	128.54	128.54	0
54660000	14.964	214.87	1.00000	0.94800	1.00000	1.00000	108.19	128.30	128.30	0
54670000	14.937	214.82	1.00000	0.94800	1.00000	1.00000	108.13	128.03	128.03	0

54680000	14.908	214.76	1.00000	0.94800	1.00000	1.00000	108.06	127.75	127.73	0
54690000	14.876	214.70	1.00000	0.94800	1.00000	1.00000	107.99	127.40	127.40	0
54700000	14.842	214.64	1.00000	0.94800	1.00000	1.00000	107.91	127.04	127.04	0
54710000	14.808	214.57	1.00000	0.94800	1.00000	1.00000	107.83	126.67	126.67	0
54720000	14.774	214.50	1.00000	0.94800	1.00000	1.00000	107.75	126.31	126.31	0
54730000	14.743	214.44	1.00000	0.94800	1.00000	1.00000	107.68	125.96	125.96	0
54740000	14.716	214.38	1.00000	0.94800	1.00000	1.00000	107.62	125.65	125.65	0
54750000	14.694	214.34	1.00000	0.94800	1.00000	1.00000	107.57	125.39	125.39	0
54760000	14.678	214.30	1.00000	0.94800	1.00000	1.00000	107.53	125.20	125.20	0
54770000	14.670	214.28	1.00000	0.94800	1.00000	1.00000	107.51	125.10	125.10	0
54780000	14.670	214.28	1.00000	0.94800	1.00000	1.00000	107.51	125.08	125.08	0
54790000	14.676	214.29	1.00000	0.94800	1.00000	1.00000	107.53	125.14	125.14	0
54800000	14.689	214.32	1.00000	0.94800	1.00000	1.00000	107.56	125.27	125.27	0
54810000	14.706	214.35	1.00000	0.94800	1.00000	1.00000	107.60	125.45	125.45	0

54530000	15.371	215.67	1.0000	0.94800	1.0000	1.0000	109.16	132.74	132.74	0
54540000	15.330	215.55	1.0000	0.94800	1.0000	1.0000	109.02	132.09	132.09	0
54550000	15.275	215.45	1.0000	0.94800	1.0000	1.0000	108.90	131.51	131.51	0
54560000	15.227	215.35	1.0000	0.94800	1.0000	1.0000	108.79	131.00	131.00	0
54570000	15.186	215.27	1.0000	0.94800	1.0000	1.0000	108.70	130.56	130.56	0
54580000	15.150	215.21	1.0000	0.94800	1.0000	1.0000	108.62	130.19	130.19	0
54590000	15.120	215.15	1.0000	0.94800	1.0000	1.0000	108.55	129.87	129.87	0
54600000	15.093	215.10	1.0000	0.94800	1.0000	1.0000	108.49	129.60	129.60	0
54610000	15.071	215.06	1.0000	0.94800	1.0000	1.0000	108.44	129.37	129.37	0
54620000	15.050	215.02	1.0000	0.94800	1.0000	1.0000	108.39	129.16	129.16	0
54630000	15.030	214.98	1.0000	0.94800	1.0000	1.0000	108.34	128.96	128.96	0
54640000	15.009	214.95	1.0000	0.94800	1.0000	1.0000	108.30	128.76	128.76	0
54650000	14.988	214.91	1.0000	0.94800	1.0000	1.0000	108.25	128.54	128.54	0
54660000	14.964	214.87	1.0000	0.94800	1.0000	1.0000	108.19	128.30	128.30	0
54670000	14.937	214.82	1.0000	0.94800	1.0000	1.0000	108.13	128.03	128.03	0

54680000	14.908	214.76	1.0000	0.94800	1.0000	1.0000	108.06	127.73	127.73	0
54690000	14.876	214.70	1.0000	0.94800	1.0000	1.0000	107.99	127.40	127.40	0
54700000	14.842	214.64	1.0000	0.94800	1.0000	1.0000	107.91	127.04	127.04	0
54710000	14.808	214.57	1.0000	0.94800	1.0000	1.0000	107.83	126.67	126.67	0
54720000	14.774	214.50	1.0000	0.94800	1.0000	1.0000	107.75	126.31	126.31	0
54730000	14.743	214.44	1.0000	0.94800	1.0000	1.0000	107.68	125.96	125.96	0
54740000	14.716	214.38	1.0000	0.94800	1.0000	1.0000	107.62	125.65	125.65	0
54750000	14.694	214.34	1.0000	0.94800	1.0000	1.0000	107.57	125.39	125.39	0
54760000	14.678	214.30	1.0000	0.94800	1.0000	1.0000	107.53	125.20	125.20	0
54770000	14.670	214.28	1.0000	0.94800	1.0000	1.0000	107.51	125.10	125.10	0
54780000	14.670	214.28	1.0000	0.94800	1.0000	1.0000	107.51	125.08	125.08	0
54790000	14.676	214.29	1.0000	0.94800	1.0000	1.0000	107.53	125.14	125.14	0
54800000	14.689	214.32	1.0000	0.94800	1.0000	1.0000	107.56	125.27	125.27	0
54810000	14.706	214.35	1.0000	0.94800	1.0000	1.0000	107.60	125.45	125.45	0
54820000	14.726	214.39	1.0000	0.94800	1.0000	1.0000	107.64	125.66	125.66	0
54830000	14.745	214.43	1.0000	0.94800	1.0000	1.0000	107.69	125.87	125.87	0
54840000	14.763	214.46	1.0000	0.94800	1.0000	1.0000	107.73	126.07	126.07	0
54850000	14.777	214.49	1.0000	0.94800	1.0000	1.0000	107.76	126.23	126.23	0
54860000	14.788	214.51	1.0000	0.94800	1.0000	1.0000	107.78	126.34	126.34	0
54870000	14.793	214.52	1.0000	0.94800	1.0000	1.0000	107.80	126.40	126.40	0
54880000	14.795	214.52	1.0000	0.94800	1.0000	1.0000	107.80	126.41	126.41	0
54890000	14.794	214.52	1.0000	0.94800	1.0000	1.0000	107.80	126.39	126.39	0
54900000	14.790	214.51	1.0000	0.94800	1.0000	1.0000	107.79	126.35	126.35	0
54910000	14.785	214.50	1.0000	0.94800	1.0000	1.0000	107.78	126.29	126.29	0
54920000	14.780	214.49	1.0000	0.94800	1.0000	1.0000	107.77	126.24	126.24	0
54930000	14.775	214.48	1.0000	0.94800	1.0000	1.0000	107.76	126.18	126.18	0
54940000	14.770	214.47	1.0000	0.94800	1.0000	1.0000	107.74	126.14	126.14	0
54950000	14.766	214.47	1.0000	0.94800	1.0000	1.0000	107.73	126.10	126.10	0

C-56 PIPE COMPONENT

56010000	14.760	214.46	1.0000	0.94800	1.0000	1.0000	107.72	126.06	126.06	0
56020000	14.754	214.45	1.0000	0.94800	1.0000	1.0000	107.71	126.03	126.03	0
56030000	14.749	214.45	1.0000	0.94800	1.0000	1.0000	107.70	126.00	126.00	0
56040000	14.744	214.44	1.0000	0.94800	1.0000	1.0000	107.68	125.97	125.97	0
56050000	14.740	214.44	1.0000	0.94800	1.0000	1.0000	107.68	125.94	125.94	0
56060000	14.737	214.43	1.0000	0.94800	1.0000	1.0000	107.67	125.91	125.91	0
56070000	14.734	214.42	1.0000	0.94800	1.0000	1.0000	107.66	125.86	125.86	0
56080000	14.732	214.41	1.0000	0.94800	1.0000	1.0000	107.66	125.79	125.79	0
56090000	14.729	214.40	1.0000	0.94800	1.0000	1.0000	107.65	125.72	125.72	0
56100000	14.727	214.38	1.0000	0.94800	1.0000	1.0000	107.65	125.65	125.65	0
56110000	14.726	214.38	1.0000	0.94800	1.0000	1.0000	107.64	125.60	125.60	0
56120000	14.724	214.37	1.0000	0.94800	1.0000	1.0000	107.64	125.59	125.59	0
56130000	14.723	214.38	1.0000	0.94800	1.0000	1.0000	107.63	125.60	125.60	0
56140000	14.722	214.38	1.0000	0.94800	1.0000	1.0000	107.63	125.63	125.63	0
56150000	14.720	214.39	1.0000	0.94800	1.0000	1.0000	107.63	125.67	125.67	0
56160000	14.719	214.39	1.0000	0.94800	1.0000	1.0000	107.62	125.68	125.68	0
56170000	14.717	214.39	1.0000	0.94800	1.0000	1.0000	107.62	125.67	125.67	0
56180000	14.715	214.38	1.0000	0.94800	1.0000	1.0000	107.62	125.62	125.62	0
56190000	14.713	214.37	1.0000	0.94800	1.0000	1.0000	107.61	125.56	125.56	0
56200000	14.712	214.36	1.0000	0.94800	1.0000	1.0000	107.61	125.51	125.51	0
56210000	14.711	214.36	1.0000	0.94800	1.0000	1.0000	107.61	125.50	125.50	0
56220000	14.710	214.36	1.0000	0.94800	1.0000	1.0000	107.60	125.52	125.52	0
56230000	14.709	214.36	1.0000	0.94800	1.0000	1.0000	107.60	125.54	125.54	0
56240000	14.708	214.37	1.0000	0.94800	1.0000	1.0000	107.60	125.55	125.55	0
56250000	14.708	214.37	1.0000	0.94800	1.0000	1.0000	107.60	125.55	125.55	0
56260000	14.707	214.37	1.0000	0.94800	1.0000	1.0000	107.60	125.54	125.54	0
56270000	14.707	214.37	1.0000	0.94800	1.0000	1.0000	107.60	125.55	125.55	0
56280000	14.708	214.37	1.0000	0.94800	1.0000	1.0000	107.60	125.58	125.58	0
56290000	14.708	214.38	1.0000	0.94800	1.0000	1.0000	107.60	125.63	125.63	0
56300000	14.708	214.38	1.0000	0.94800	1.0000	1.0000	107.60	125.64	125.64	0
56310000	14.708	214.37	1.0000	0.94800	1.0000	1.0000	107.60	125.58	125.58	0

56320000	14.708	214.35	1.0000	0.94800	1.0000	1.0000	107.60	125.47	125.47	0
56330000	14.707	214.34	1.0000	0.94800	1.0000	1.0000	107.60	125.39	125.39	0
56340000	14.706	214.34	1.0000	0.94800	1.0000	1.0000	107.60	125.39	125.39	0
56350000	14.705	214.35	1.0000	0.94800	1.0000	1.0000	107.59	125.44	125.44	0

C-58 PIPE COMPONENT

58010000	14.705	214.35	1.0000	0.94800	1.0000	1.0000	107.59	125.47	125.47	0
58020000	14.705	214.35	1.0000	0.94800	1.0000	1.0000	107.59	125.47	125.47	0
58030000	14.706	214.35	1.0000	0.94800	1.0000	1.0000	107.59	125.47	125.47	0
58040000	14.706	214.36	1.0000	0.94800	1.0000	1.0000	107.60	125.49	125.49	0
58050000	14.706	214.35	1.0000	0.94800	1.0000	1.0000	107.60	125.48	125.48	0
58060000	14.705	214.34	1.0000	0.94800	1.0000	1.0000	107.59	125.43	125.43	0
58070000	14.704	214.33	1.0000	0.94800	1.0000	1.0000	107.59	125.37	125.37	0

C-60 PIPE COMPONENT

60010000	14.703	214.32	1.0000	0.94800	1.0000	1.0000	107.59	125.32	125.32	0
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56180000	14.715	214.38	1.0000	0.94800	1.0000	1.0000	107.62	125.62	125.62	0
56190000	14.713	214.37	1.0000	0.94800	1.0000	1.0000	107.61	125.56	125.56	0
56200000	14.712	214.36	1.0000	0.94800	1.0000	1.0000	107.61	125.51	125.51	0
56210000	14.711	214.36	1.0000	0.94800	1.0000	1.0000	107.61	125.50	125.50	0
56220000	14.710	214.36	1.0000	0.94800	1.0000	1.0000	107.60	125.52	125.52	0
56230000	14.709	214.36	1.0000	0.94800	1.0000	1.0000	107.60	125.54	125.54	0
56240000	14.708	214.37	1.0000	0.94800	1.0000	1.0000	107.60	125.55	125.55	0
56250000	14.708	214.37	1.0000	0.94800	1.0000	1.0000	107.60	125.55	125.55	0
56260000	14.707	214.37	1.0000	0.94800	1.0000	1.0000	107.60	125.54	125.54	0
56270000	14.707	214.37	1.0000	0.94800	1.0000	1.0000	107.60	125.55	125.55	0
56280000	14.708	214.37	1.0000	0.94800	1.0000	1.0000	107.60	125.58	125.58	0
56290000	14.708	214.38	1.0000	0.94800	1.0000	1.0000	107.60	125.63	125.63	0
56300000	14.708	214.38	1.0000	0.94800	1.0000	1.0000	107.60	125.64	125.64	0
56310000	14.708	214.37	1.0000	0.94800	1.0000	1.0000	107.60	125.58	125.58	0

56320000	14.708	214.35	1.0000	0.94800	1.0000	1.0000	107.60	125.47	125.47	0
56330000	14.707	214.34	1.0000	0.94800	1.0000	1.0000	107.60	125.39	125.39	0
56340000	14.706	214.34	1.0000	0.94800	1.0000	1.0000	107.60	125.39	125.39	0
56350000	14.705	214.35	1.0000	0.94800	1.0000	1.0000	107.59	125.44	125.44	0
C-58	PIPE	COMPONENT								
58010000	14.705	214.35	1.0000	0.94800	1.0000	1.0000	107.59	125.47	125.47	0
58020000	14.705	214.35	1.0000	0.94800	1.0000	1.0000	107.59	125.47	125.47	0
58030000	14.706	214.35	1.0000	0.94800	1.0000	1.0000	107.59	125.47	125.47	0
58040000	14.706	214.36	1.0000	0.94800	1.0000	1.0000	107.60	125.49	125.49	0
58050000	14.706	214.35	1.0000	0.94800	1.0000	1.0000	107.60	125.48	125.48	0
58060000	14.705	214.34	1.0000	0.94800	1.0000	1.0000	107.59	125.43	125.43	0
58070000	14.704	214.33	1.0000	0.94800	1.0000	1.0000	107.59	125.37	125.37	0
C-60	PIPE	COMPONENT								
60010000	14.703	214.32	1.0000	0.94800	1.0000	1.0000	107.59	125.32	125.32	0
60020000	14.702	214.37	1.0000	0.94799	1.0000	1.0000	107.59	125.53	125.53	0
60030000	14.702	215.22	1.0000	0.94409	1.0000	1.0000	109.99	111.24	110.11	0
C-62	PIPE	COMPONENT								
62010000	14.701	187.25	0.79271	0.74782	0.79271	0.99971	110.42	110.42	110.42	0
62020000	14.712	94.987	5.74454E-02	5.32901E-02	5.74465E-02	0.98281	118.74	118.73	118.73	0
C-64	SNGLVOL	COMPONENT								
64010000	15.289	87.957	1.84850E-08	1.74772E-08	1.88439E-08	1.62815E-05	120.00	110.50	120.00	10
C-66	SNGLVOL	COMPONENT								
66010000	16.239	87.957	0.00000	0.00000	0.00000	0.00000	120.00	120.00	120.00	10
C-68	SNGLVOL	COMPONENT								
68010000	16.925	87.957	0.00000	0.00000	0.00000	0.00000	120.00	120.00	120.00	10
C-69	BRANCH	COMPONENT								
69010000	17.634	87.957	0.00000	0.00000	0.00000	0.00000	120.00	120.00	120.00	10
C-70	BRANCH	COMPONENT								
70010000	18.133	87.957	0.00000	0.00000	0.00000	0.00000	120.00	120.00	120.00	10
C-71	SNGLVOL	COMPONENT								
71010000	18.335	87.957	0.00000	0.00000	0.00000	0.00000	120.00	120.00	120.00	10
C-73	BRANCH	COMPONENT								
73010000	15.405	87.956	3.35810E-08	3.17085E-08	3.42183E-08	2.94275E-05	120.00	111.52	120.00	0
C-75	SNGLVOL	COMPONENT								
75010000	13.024	210.99	0.96871	0.91341	0.96871	0.99996	106.53	106.53	106.53	0
C-76	PIPE	COMPONENT								
76010000	246.54	961.18	0.81311	0.00000	0.79170	0.99754	399.74	363.35	399.74	10
76020000	191.09	947.40	0.79738	0.00000	0.78259	0.99795	378.00	350.05	378.00	10
76030000	167.58	939.60	0.78610	0.00000	0.77711	0.99811	367.27	349.31	367.27	10
76040000	151.63	933.94	0.77908	0.00000	0.77345	0.99824	359.28	347.58	359.28	0
C-79	SNGLVOL	COMPONENT								
79010000	2712.3	1015.1	1.0000	0.00000	1.0000	1.0000	681.05	681.05	681.05	0
C-81	SNGLVOL	COMPONENT								
81010000	2711.6	1015.1	1.0000	0.00000	1.0000	1.0000	680.99	680.99	680.99	0
C-83	PIPE	COMPONENT								
83010000	2718.1	1015.2	1.0000	0.00000	1.0000	1.0000	681.53	681.53	681.53	0
83020000	2717.7	1015.2	1.0000	0.00000	1.0000	1.0000	681.50	681.50	681.50	0
C-85	PIPE	COMPONENT								
85010000	2716.7	1015.1	1.0000	0.00000	1.0000	1.0000	681.41	681.41	681.41	0
85020000	2717.3	1015.2	1.0000	0.00000	1.0000	1.0000	681.47	681.47	681.47	0
C-87	PIPE	COMPONENT								
87010000	2706.3	1015.0	1.0000	0.00000	1.0000	1.0000	680.52	680.52	680.52	0
C-89	SNGLVOL	COMPONENT								
89010000	2703.9	1014.9	1.0000	0.00000	1.0000	1.0000	680.30	680.30	680.30	0
C-91	PIPE	COMPONENT								
91010000	2682.9	1014.3	1.0000	0.00000	0.99721	1.0000	678.58	678.42	678.58	0
91020000	2690.8	1014.5	1.0000	0.00000	1.0000	1.0000	679.11	679.11	679.11	0
91030000	2698.2	1014.7	1.0000	0.00000	1.0000	1.0000	679.78	679.78	679.78	0
C-93	SNGLVOL	COMPONENT								
93010000	14.490	214.90	0.98047	0.92296	0.98047	0.99997	111.09	111.09	111.09	0

C-95	SNGLVOL	COMPONENT								
95010000	119.58	924.91	0.77042	0.00000	0.77046	0.99857	341.00	341.09	341.00	0
C-96	SNGLVOL	COMPONENT								
96010000	137.19	933.88	0.77694	0.00000	0.77695	0.99842	351.47	351.48	351.47	0
C-97	BRANCH	COMPONENT								
97010000	105.66	918.13	0.77018	0.00000	0.76631	0.99872	331.83	322.88	331.83	0
C-99	SNGLVOL	COMPONENT								
99010000	2679.6	1014.6	0.99999	0.00000	0.99701	0.99999	678.40	678.22	678.40	0
C-101	SNGLVOL	COMPONENT								
101010000	2679.1	1014.6	0.99999	0.00000	0.99684	0.99999	678.37	678.19	678.37	0
C-103	PIPE	COMPONENT								
103010000	2678.5	1014.6	0.99999	0.00000	0.99662	0.99999	678.34	678.14	678.34	0
103020000	2679.6	1014.6	0.99999	0.00000	0.99702	0.99999	678.40	678.22	678.40	0
C-105	PIPE	COMPONENT								
105010000	2675.8	1014.5	0.99999	0.00000	0.99684	0.99999	678.37	678.19	678.37	0

83020000	2717.7	1015.2	1.0000	0.00000	1.0000	1.0000	681.50	681.50	681.50	0
C-85	PIPE	COMPONENT								
85010000	2716.7	1015.1	1.0000	0.00000	1.0000	1.0000	681.41	681.41	681.41	0
85020000	2717.3	1015.2	1.0000	0.00000	1.0000	1.0000	681.47	681.47	681.47	0
C-87	PIPE	COMPONENT								
87010000	2706.3	1015.0	1.0000	0.00000	1.0000	1.0000	680.52	680.52	680.52	0
C-89	SNGLVOL	COMPONENT								
89010000	2703.9	1014.9	1.0000	0.00000	1.0000	1.0000	680.30	680.30	680.30	0
C-91	PIPE	COMPONENT								
91010000	2682.9	1014.3	1.0000	0.00000	0.99721	1.0000	678.58	678.42	678.58	0
91020000	2690.8	1014.5	1.0000	0.00000	1.0000	1.0000	679.11	679.11	679.11	0
91030000	2698.2	1014.7	1.0000	0.00000	1.0000	1.0000	679.78	679.78	679.78	0
C-93	SNGLVOL	COMPONENT								
93010000	14.490	214.90	0.98047	0.92296	0.98047	0.99997	111.09	111.09	111.09	0

C-95	SNGLVOL	COMPONENT								
95010000	119.58	924.91	0.77042	0.00000	0.77046	0.99857	341.00	341.09	341.00	0
C-96	SNGLVOL	COMPONENT								
96010000	137.19	933.88	0.77694	0.00000	0.77695	0.99842	351.47	351.48	351.47	0
C-97	BRANCH	COMPONENT								
97010000	105.66	918.13	0.77018	0.00000	0.76631	0.99872	331.83	322.88	331.83	0
C-99	SNGLVOL	COMPONENT								
99010000	2679.6	1014.6	0.99999	0.00000	0.99701	0.99999	678.40	678.22	678.40	0
C-101	SNGLVOL	COMPONENT								
101010000	2679.1	1014.6	0.99999	0.00000	0.99684	0.99999	678.37	678.19	678.37	0
C-103	PIPE	COMPONENT								
103010000	2678.5	1014.6	0.99999	0.00000	0.99662	0.99999	678.34	678.14	678.34	0
103020000	2679.6	1014.6	0.99999	0.00000	0.99702	0.99999	678.40	678.22	678.40	0
C-105	PIPE	COMPONENT								
105010000	2675.9	1014.5	0.99999	0.00000	0.99544	1.0000	678.19	677.92	678.19	0
105020000	2678.1	1014.5	0.99999	0.00000	0.99641	0.99999	678.31	678.10	678.31	0
C-107	SNGLVOL	COMPONENT								
107010000	2674.4	1014.5	0.99999	0.00000	0.99469	1.0000	678.11	677.79	678.11	0
C-109	SNGLVOL	COMPONENT								
109010000	2675.1	1014.4	0.99999	0.00000	0.99478	1.0000	678.14	677.84	678.14	0
C-111	PIPE	COMPONENT								
111010000	2673.7	1014.1	1.0000	0.00000	0.99322	1.0000	678.07	677.66	678.07	0
111020000	2673.3	1014.2	0.99999	0.00000	0.99352	1.0000	678.05	677.66	678.05	0
111030000	2673.9	1014.3	0.99999	0.00000	0.99409	1.0000	678.08	677.73	678.08	0
C-113	TMPLVOL	COMPONENT								
113010000	2691.1	1014.2	1.0000	0.00000	1.0000	1.0000	679.03	679.03	679.03	0
C-114	PIPE	COMPONENT								
114010000	108.28	969.83	0.82991	6.67492E-07	0.82991	0.99911	333.63	333.63	333.63	0
114020000	107.49	617.99	0.39486	2.58538E-03	0.39487	0.99343	332.77	332.77	332.77	0
114030000	102.71	180.87	6.96827E-03	2.53522E-03	2.81396E-03	0.60913	208.66	307.44	212.54	0
C-136	SNGLVOL	COMPONENT								
136010000	151.82	934.98	0.77648	0.00000	0.77473	0.99824	359.39	355.75	359.39	0
V-CASE	SNGLVOL	COMPONENT								
178010000	2021.9	1000.5	0.83397	0.00000	0.83397	0.97307	637.35	637.35	637.35	11
C-193	SNGLVOL	COMPONENT								
193010000	14.373	213.27	0.98509	0.92954	0.98509	0.99998	109.50	109.50	109.50	0
C-195	PIPE	COMPONENT								
195010000	86.855	911.85	0.76587	0.00000	0.76543	0.99893	317.77	316.69	317.77	0
195020000	83.453	914.19	0.76964	1.23976E-10	0.76964	0.99899	314.97	314.98	314.97	0
V-CASE	SNGLVOL	COMPONENT								
198010000	2000.8	998.97	0.82865	0.00000	0.82865	0.97258	635.86	635.86	635.86	11

VOL.NO.	RHO (LB/FT3)	RHOF (LB/FT3)	RHOG (LB/FT3)	VOLUME (FT3)	UF (BTU/LB)	UG (BTU/LB)	SOUNDE (FT/SEC)	HEAT INPUT (BTU/SEC)	VAPOR GEN. (LB/FT3-SEC)
1010000	8.8691	33.113	8.8691	0.00000	741.38	1014.2	1087.3	0.00000	10.976
36010000	0.70596	53.631	0.57124	0.14070	374.89	1099.9	1363.0	0.00000	-20.887
36020000	0.56017	54.447	0.44344	0.14070	353.18	1104.3	1352.0	0.00000	-12.423
36030000	0.49998	54.817	0.39107	0.14070	343.05	1107.1	1345.3	0.00000	-7.0981
38010000	12.987	57.888	0.31539	0.35072	250.81	1014.1	169.95	0.00000	-97.324
38020000	37.984	60.476	0.40752	0.35072	153.26	584.49	237.42	0.00000	-9.9231
38030000	37.917	60.441	0.41599	0.35072	154.53	289.19	188.61	0.00000	-1.7577
38040000	20.589	59.760	0.36098	0.35072	182.91	321.16	169.16	0.00000	-3.3715
38050000	17.606	58.630	0.34506	0.35072	225.31	616.85	168.00	0.00000	-27.027
38060000	0.32427	56.087	0.25090	0.35072	306.71	1106.7	1332.7	0.00000	1.0363
38070000	0.31466	56.112	0.24855	0.35072	305.95	1106.5	1348.0	0.00000	1.5983
40010000	0.43224	55.318	0.32743	0.21862	329.01	1110.2	1323.3	0.00000	0.30994
42010000	0.31053	56.160	0.24422	0.32880	304.53	1106.3	1344.2	0.00000	2.8228
44010000	0.24758	56.858	0.19024	0.16683	283.36	1096.7	1313.7	0.00000	-7.5400
46010000	0.30953	56.156	0.24464	0.20824	304.67	1106.3	1347.9	0.00000	1.5962
46020000	0.30395	56.151	0.24508	0.35620	304.81	1106.3	1363.1	0.00000	0.21677

46030000	0.30072	56.159	0.24432	0.35620	304.56	1106.3	1368.8	0.00000	0.23797
48010000	15.083	60.101	7.43425E-02	0.27948	168.45	594.34	67.329	0.00000	-2.6809
48020000	11.904	60.200	7.18843E-02	0.27948	164.24	528.77	73.614	0.00000	-0.33501
48030000	8.4473	60.261	7.40115E-02	0.27948	161.67	497.12	88.140	0.00000	-3.01382E-02
48040000	5.2728	60.317	7.65706E-02	0.27948	159.76	471.22	113.58	0.00000	0.12256
48050000	3.6005	60.404	7.09344E-02	0.27948	155.42	469.62	131.84	0.00000	0.87187
48060000	2.5122	60.508	6.88975E-02	0.27948	150.81	450.85	157.43	0.00000	0.80612
48070000	1.7380	60.627	6.92949E-02	0.27948	145.44	419.99	193.73	0.00000	0.62264
48080000	1.1649	60.762	7.11908E-02	0.27948	139.21	383.35	245.47	0.00000	0.47793
48090000	0.74555	60.914	7.40661E-02	0.27948	131.94	345.01	320.31	0.00000	0.47194
50010000	0.44235	61.095	7.54327E-02	0.28824	122.96	309.91	428.56	0.00000	0.54184
50020000	0.26582	61.277	7.80276E-02	0.28824	113.47	277.47	571.37	0.00000	0.34066
50030000	0.16861	61.440	8.05717E-02	0.28824	104.50	252.52	738.80	0.00000	0.13961
50040000	0.11952	61.560	8.22756E-02	0.28824	97.527	236.68	894.99	0.00000	9.15184E-02

36020000	0.56017	54.447	0.44344	0.14070	353.18	1104.3	1352.0	0.00000	-12.423
36030000	0.49998	54.817	0.39107	0.14070	343.00	1107.1	1345.3	0.00000	-7.0981
38010000	12.987	57.888	0.31539	0.35072	250.81	1014.1	169.95	0.00000	-97.324
38020000	37.984	60.476	0.40752	0.35072	153.26	584.49	237.42	0.00000	-9.9231
38030000	37.917	60.441	0.41599	0.35072	154.53	289.19	188.61	0.00000	-1.7577
38040000	20.589	59.760	0.36098	0.35072	182.91	321.16	169.16	0.00000	-3.3715
38050000	17.606	58.630	0.34506	0.35072	225.31	616.85	168.00	0.00000	-27.027
38060000	0.32427	56.087	0.25090	0.35072	306.71	1106.7	1332.7	0.00000	1.0363
38070000	0.31466	56.112	0.24855	0.35072	305.95	1106.5	1348.0	0.00000	1.5983
40010000	0.43224	55.318	0.32743	0.21862	329.01	1110.2	1323.3	0.00000	0.30994
42010000	0.31053	56.160	0.24422	0.32880	304.53	1106.3	1344.2	0.00000	2.8228
44010000	0.24758	56.858	0.19024	0.16683	283.36	1096.7	1313.7	0.00000	-7.5400
46010000	0.30953	56.156	0.24464	0.20824	304.67	1106.3	1347.9	0.00000	1.5962
46020000	0.30395	56.151	0.24508	0.35620	304.81	1106.3	1363.1	0.00000	0.21677

46030000	0.30072	56.159	0.24432	0.35620	304.56	1106.3	1368.8	0.00000	0.23797
48010000	15.083	60.101	7.43425E-02	0.27948	168.45	594.34	67.329	0.00000	-2.6809
48020000	11.904	60.200	7.18843E-02	0.27948	164.24	528.77	73.614	0.00000	-0.33501
48030000	8.4473	60.261	7.40115E-02	0.27948	161.67	497.12	88.140	0.00000	-3.01382E-02
48040000	5.2728	60.317	7.65706E-02	0.27948	159.26	471.22	113.58	0.00000	0.12256
48050000	3.6005	60.404	7.09344E-02	0.27948	155.42	469.62	131.84	0.00000	0.87187
48060000	2.5122	60.508	6.88975E-02	0.27948	150.81	450.85	157.43	0.00000	0.80612
48070000	1.7380	60.627	6.92949E-02	0.27948	145.44	419.99	193.73	0.00000	0.62264
48080000	1.1649	60.762	7.11908E-02	0.27948	139.21	383.35	245.47	0.00000	0.47793
48090000	0.74555	60.914	7.40661E-02	0.27948	131.94	345.01	320.31	0.00000	0.47194
50010000	0.44235	61.095	7.54327E-02	0.28824	122.96	309.91	428.56	0.00000	0.54184
50020000	0.26582	61.277	7.80276E-02	0.28824	113.47	277.47	571.37	0.00000	0.34066
50030000	0.16861	61.440	8.05717E-02	0.28824	104.50	252.52	738.80	0.00000	0.13961
50040000	0.11952	61.560	8.22756E-02	0.28824	97.527	236.68	894.99	0.00000	9.15189E-02
50050000	9.70834E-02	61.631	8.31889E-02	0.28824	93.262	228.33	1005.0	0.00000	1.53095E-02
52010000	8.80948E-02	61.661	8.36436E-02	0.27400	91.364	224.81	1061.7	0.00000	1.81365E-02
54010000	8.36895E-02	61.679	8.29826E-02	0.30578	90.271	223.46	1086.5	0.00000	4.24760E-02
54020000	7.97736E-02	61.735	7.97734E-02	0.30578	86.672	222.10	1219.1	0.00000	0.22588
54030000	7.77160E-02	61.774	7.77143E-02	0.30578	84.105	221.48	1233.8	0.00000	0.00000
54040000	7.72091E-02	61.784	7.72091E-02	0.30578	83.445	221.27	1237.0	0.00000	0.00000
54050000	7.69728E-02	61.788	7.69728E-02	0.30578	83.205	221.11	1237.0	0.00000	0.00000
54060000	7.67379E-02	61.791	7.67379E-02	0.30578	83.028	220.93	1236.3	0.00000	0.00000
54070000	7.64645E-02	61.793	7.64645E-02	0.30578	82.842	220.75	1235.3	0.00000	0.00000
54080000	7.61574E-02	61.796	7.61574E-02	0.30578	82.639	220.55	1234.3	0.00000	0.00000
54090000	7.58225E-02	61.800	7.58225E-02	0.30578	82.418	220.34	1233.1	0.00000	0.00000
54100000	7.54651E-02	61.803	7.54651E-02	0.30578	82.184	220.13	1232.0	0.00000	0.00000
54110000	7.50932E-02	61.807	7.50932E-02	0.30578	81.940	219.90	1230.7	0.00000	0.00000
54120000	7.47175E-02	61.810	7.47175E-02	0.30578	81.694	219.68	1229.5	0.00000	0.00000
54130000	7.43498E-02	61.814	7.43498E-02	0.30578	81.454	219.47	1228.4	0.00000	0.00000
54140000	7.40008E-02	61.817	7.40008E-02	0.30578	81.227	219.27	1227.3	0.00000	0.00000
54150000	7.36792E-02	61.820	7.36792E-02	0.30578	81.017	219.09	1226.3	0.00000	0.00000
54160000	7.33897E-02	61.823	7.33897E-02	0.30578	80.827	218.92	1225.4	0.00000	0.00000
54170000	7.31358E-02	61.825	7.31358E-02	0.30578	80.661	218.78	1224.7	0.00000	0.00000
54180000	7.29158E-02	61.827	7.29158E-02	0.30578	80.516	218.66	1224.0	0.00000	0.00000
54190000	7.27265E-02	61.829	7.27265E-02	0.30578	80.392	218.55	1223.4	0.00000	0.00000
54200000	7.25636E-02	61.831	7.25636E-02	0.30578	80.285	218.46	1222.9	0.00000	0.00000
54210000	7.24229E-02	61.832	7.24229E-02	0.30578	80.193	218.38	1222.5	0.00000	0.00000
54220000	7.22998E-02	61.833	7.22998E-02	0.30578	80.112	218.31	1222.1	0.00000	0.00000
54230000	7.21904E-02	61.834	7.21904E-02	0.30578	80.040	218.25	1221.8	0.00000	0.00000
54240000	7.20908E-02	61.835	7.20908E-02	0.30578	79.975	218.20	1221.5	0.00000	0.00000
54250000	7.19975E-02	61.836	7.19975E-02	0.30578	79.913	218.15	1221.2	0.00000	0.00000
54260000	7.19074E-02	61.837	7.19074E-02	0.30578	79.853	218.09	1220.9	0.00000	0.00000
54270000	7.18183E-02	61.838	7.18183E-02	0.30578	79.793	218.04	1220.6	0.00000	0.00000
54280000	7.17283E-02	61.839	7.17283E-02	0.30578	79.733	217.99	1220.3	0.00000	0.00000
54290000	7.16364E-02	61.840	7.16364E-02	0.30578	79.672	217.94	1220.1	0.00000	0.00000
54300000	7.15422E-02	61.841	7.15422E-02	0.30578	79.608	217.88	1219.7	0.00000	0.00000
54310000	7.14457E-02	61.842	7.14457E-02	0.30578	79.543	217.83	1219.4	0.00000	0.00000
54320000	7.13471E-02	61.843	7.13471E-02	0.30578	79.476	217.77	1219.1	0.00000	0.00000
54330000	7.12471E-02	61.843	7.12471E-02	0.30578	79.408	217.71	1218.8	0.00000	0.00000
54340000	7.11469E-02	61.844	7.11469E-02	0.30578	79.340	217.64	1218.4	0.00000	0.00000
54350000	7.10478E-02	61.845	7.10478E-02	0.30578	79.273	217.58	1218.1	0.00000	0.00000
54360000	7.09512E-02	61.846	7.09512E-02	0.30578	79.207	217.53	1217.8	0.00000	0.00000
54370000	7.08579E-02	61.847	7.08579E-02	0.30578	79.142	217.47	1217.5	0.00000	0.00000
54380000	7.07674E-02	61.848	7.07674E-02	0.30578	79.080	217.41	1217.2	0.00000	0.00000
54390000	7.06776E-02	61.849	7.06776E-02	0.30578	79.017	217.35	1216.8	0.00000	0.00000
54400000	7.05846E-02	61.850	7.05846E-02	0.30578	78.952	217.29	1216.5	0.00000	0.00000
54410000	7.04833E-02	61.851	7.04833E-02	0.30578	78.881	217.22	1216.1	0.00000	0.00000
54420000	7.03676E-02	61.852	7.03676E-02	0.30578	78.800	217.15	1215.7	0.00000	0.00000
54430000	7.02318E-02	61.854	7.02318E-02	0.30578	78.704	217.06	1215.2	0.00000	0.00000
54440000	7.00715E-02	61.855	7.00715E-02	0.30578	78.592	216.96	1214.7	0.00000	0.00000

54450000	6.98847E-02	61.857	6.98847E-02	0.30578	78.461	216.84	1214.0	0.00000	0.00000
54460000	6.96725E-02	61.859	6.96725E-02	0.30578	78.313	216.70	1213.3	0.00000	0.00000
54470000	6.94387E-02	61.861	6.94387E-02	0.30578	78.150	216.56	1212.5	0.00000	0.00000
54480000	6.91900E-02	61.864	6.91900E-02	0.30578	77.977	216.40	1211.6	0.00000	0.00000
54490000	6.89342E-02	61.866	6.89342E-02	0.30578	77.798	216.24	1210.7	0.00000	0.00000
54500000	6.86792E-02	61.869	6.86792E-02	0.30578	77.621	216.09	1209.9	0.00000	0.00000
54510000	6.84324E-02	61.871	6.84324E-02	0.30578	77.449	215.94	1209.1	0.00000	0.00000
54520000	6.81993E-02	61.874	6.81993E-02	0.30578	77.286	215.80	1208.3	0.00000	0.00000
54530000	6.79839E-02	61.876	6.79839E-02	0.30578	77.135	215.67	1207.6	0.00000	0.00000
54540000	6.77883E-02	61.878	6.77883E-02	0.30578	76.998	215.55	1206.9	0.00000	0.00000
54550000	6.76136E-02	61.879	6.76136E-02	0.30578	76.875	215.45	1206.3	0.00000	0.00000
54560000	6.74598E-02	61.881	6.74598E-02	0.30578	76.767	215.35	1205.8	0.00000	0.00000
54570000	6.73259E-02	61.882	6.73259E-02	0.30578	76.674	215.27	1205.4	0.00000	0.00000
54580000	6.72105E-02	61.883	6.72105E-02	0.30578	76.593	215.21	1205.0	0.00000	0.00000
54590000	6.71113E-02	61.884	6.71113E-02	0.30578	76.527	215.15	1204.7	0.00000	0.00000

54310000	7.14457E-02	61.842	7.14457E-02	0.30578	79.543	217.83	1219.4	0.00000	0.00000
54320000	7.13471E-02	61.843	7.13471E-02	0.30578	79.476	217.77	1219.1	0.00000	0.00000
54330000	7.12471E-02	61.843	7.12471E-02	0.30578	79.408	217.71	1218.8	0.00000	0.00000
54340000	7.11469E-02	61.844	7.11469E-02	0.30578	79.340	217.64	1218.4	0.00000	0.00000
54350000	7.10478E-02	61.845	7.10478E-02	0.30578	79.273	217.58	1218.1	0.00000	0.00000
54360000	7.09512E-02	61.846	7.09512E-02	0.30578	79.207	217.53	1217.8	0.00000	0.00000
54370000	7.08579E-02	61.847	7.08579E-02	0.30578	79.142	217.47	1217.5	0.00000	0.00000
54380000	7.07674E-02	61.848	7.07674E-02	0.30578	79.080	217.41	1217.2	0.00000	0.00000
54390000	7.06776E-02	61.849	7.06776E-02	0.30578	79.017	217.35	1216.8	0.00000	0.00000
54400000	7.05846E-02	61.850	7.05846E-02	0.30578	78.952	217.29	1216.5	0.00000	0.00000
54410000	7.04833E-02	61.851	7.04833E-02	0.30578	78.881	217.22	1216.1	0.00000	0.00000
54420000	7.03676E-02	61.852	7.03676E-02	0.30578	78.800	217.15	1215.7	0.00000	0.00000
54430000	7.02318E-02	61.854	7.02318E-02	0.30578	78.704	217.06	1215.2	0.00000	0.00000
54440000	7.00715E-02	61.855	7.00715E-02	0.30578	78.592	216.96	1214.7	0.00000	0.00000

54450000	6.98847E-02	61.857	6.98847E-02	0.30578	78.461	216.84	1214.0	0.00000	0.00000
54460000	6.96725E-02	61.859	6.96725E-02	0.30578	78.313	216.70	1213.3	0.00000	0.00000
54470000	6.94387E-02	61.861	6.94387E-02	0.30578	78.150	216.56	1212.5	0.00000	0.00000
54480000	6.91900E-02	61.864	6.91900E-02	0.30578	77.977	216.40	1211.6	0.00000	0.00000
54490000	6.89342E-02	61.866	6.89342E-02	0.30578	77.798	216.24	1210.7	0.00000	0.00000
54500000	6.86792E-02	61.869	6.86792E-02	0.30578	77.621	216.09	1209.9	0.00000	0.00000
54510000	6.84324E-02	61.871	6.84324E-02	0.30578	77.449	215.94	1209.1	0.00000	0.00000
54520000	6.81993E-02	61.874	6.81993E-02	0.30578	77.286	215.80	1208.3	0.00000	0.00000
54530000	6.79839E-02	61.876	6.79839E-02	0.30578	77.135	215.67	1207.6	0.00000	0.00000
54540000	6.77883E-02	61.878	6.77883E-02	0.30578	76.998	215.55	1206.9	0.00000	0.00000
54550000	6.76136E-02	61.879	6.76136E-02	0.30578	76.875	215.45	1206.3	0.00000	0.00000
54560000	6.74598E-02	61.881	6.74598E-02	0.30578	76.767	215.35	1205.8	0.00000	0.00000
54570000	6.73259E-02	61.882	6.73259E-02	0.30578	76.674	215.27	1205.4	0.00000	0.00000
54580000	6.72105E-02	61.883	6.72105E-02	0.30578	76.593	215.21	1205.0	0.00000	0.00000
54590000	6.71113E-02	61.884	6.71113E-02	0.30578	76.523	215.15	1204.7	0.00000	0.00000
54600000	6.70256E-02	61.885	6.70256E-02	0.30578	76.464	215.10	1204.4	0.00000	0.00000
54610000	6.69501E-02	61.886	6.69501E-02	0.30578	76.411	215.06	1204.2	0.00000	0.00000
54620000	6.68812E-02	61.887	6.68812E-02	0.30578	76.364	215.02	1204.0	0.00000	0.00000
54630000	6.68148E-02	61.887	6.68148E-02	0.30578	76.318	214.98	1203.8	0.00000	0.00000
54640000	6.67473E-02	61.888	6.67473E-02	0.30578	76.272	214.95	1203.6	0.00000	0.00000
54650000	6.66752E-02	61.889	6.66752E-02	0.30578	76.222	214.91	1203.3	0.00000	0.00000
54660000	6.65960E-02	61.889	6.65960E-02	0.30578	76.167	214.87	1203.1	0.00000	0.00000
54670000	6.65082E-02	61.890	6.65082E-02	0.30578	76.106	214.82	1202.8	0.00000	0.00000
54680000	6.64115E-02	61.891	6.64115E-02	0.30578	76.039	214.76	1202.5	0.00000	0.00000
54690000	6.63071E-02	61.892	6.63071E-02	0.30578	75.965	214.70	1202.2	0.00000	0.00000
54700000	6.61975E-02	61.893	6.61975E-02	0.30578	75.888	214.64	1201.8	0.00000	0.00000
54710000	6.60862E-02	61.894	6.60862E-02	0.30578	75.808	214.57	1201.5	0.00000	0.00000
54720000	6.59778E-02	61.895	6.59778E-02	0.30578	75.731	214.50	1201.1	0.00000	0.00000
54730000	6.58773E-02	61.896	6.58773E-02	0.30578	75.658	214.44	1200.7	0.00000	0.00000
54740000	6.57898E-02	61.897	6.57898E-02	0.30578	75.594	214.38	1200.4	0.00000	0.00000
54750000	6.57202E-02	61.898	6.57202E-02	0.30578	75.543	214.34	1200.2	0.00000	0.00000
54760000	6.56720E-02	61.899	6.56720E-02	0.30578	75.507	214.30	1200.0	0.00000	0.00000
54770000	6.56478E-02	61.899	6.56478E-02	0.30578	75.488	214.28	1199.9	0.00000	0.00000
54780000	6.56481E-02	61.899	6.56481E-02	0.30578	75.487	214.28	1199.8	0.00000	0.00000
54790000	6.56712E-02	61.899	6.56712E-02	0.30578	75.503	214.29	1199.9	0.00000	0.00000
54800000	6.57134E-02	61.898	6.57134E-02	0.30578	75.532	214.32	1200.0	0.00000	0.00000
54810000	6.57694E-02	61.898	6.57694E-02	0.30578	75.572	214.35	1200.2	0.00000	0.00000
54820000	6.58325E-02	61.897	6.58325E-02	0.30578	75.617	214.39	1200.4	0.00000	0.00000
54830000	6.58958E-02	61.896	6.58958E-02	0.30578	75.663	214.43	1200.6	0.00000	0.00000
54840000	6.59531E-02	61.896	6.59531E-02	0.30578	75.704	214.46	1200.8	0.00000	0.00000
54850000	6.59997E-02	61.895	6.59997E-02	0.30578	75.737	214.49	1201.0	0.00000	0.00000
54860000	6.60329E-02	61.895	6.60329E-02	0.30578	75.761	214.51	1201.1	0.00000	0.00000
54870000	6.60521E-02	61.895	6.60521E-02	0.30578	75.775	214.52	1201.2	0.00000	0.00000
54880000	6.60585E-02	61.895	6.60585E-02	0.30578	75.779	214.52	1201.2	0.00000	0.00000
54890000	6.60548E-02	61.895	6.60548E-02	0.30578	75.776	214.52	1201.2	0.00000	0.00000
54900000	6.60438E-02	61.895	6.60438E-02	0.30578	75.767	214.51	1201.1	0.00000	0.00000
54910000	6.60285E-02	61.895	6.60285E-02	0.30578	75.756	214.50	1201.1	0.00000	0.00000
54920000	6.60114E-02	61.895	6.60114E-02	0.30578	75.744	214.49	1201.0	0.00000	0.00000
54930000	6.59940E-02	61.895	6.59940E-02	0.30578	75.732	214.48	1201.0	0.00000	0.00000
54940000	6.59773E-02	61.896	6.59773E-02	0.30578	75.721	214.47	1200.9	0.00000	0.00000
54950000	6.59615E-02	61.896	6.59615E-02	0.30578	75.710	214.47	1200.9	0.00000	0.00000
56010000	6.59417E-02	61.896	6.59417E-02	0.49155	75.698	214.46	1200.8	0.00000	0.00000
56020000	6.59189E-02	61.896	6.59189E-02	0.49155	75.684	214.45	1200.8	0.00000	0.00000
56030000	6.58982E-02	61.896	6.58982E-02	0.49155	75.671	214.45	1200.8	0.00000	0.00000
56040000	6.58805E-02	61.896	6.58805E-02	0.49155	75.661	214.44	1200.7	0.00000	0.00000
56050000	6.58661E-02	61.897	6.58661E-02	0.49155	75.651	214.44	1200.7	0.00000	0.00000
56060000	6.58553E-02	61.897	6.58553E-02	0.49155	75.644	214.43	1200.7	0.00000	0.00000
56070000	6.58482E-02	61.897	6.58482E-02	0.49155	75.637	214.42	1200.6	0.00000	0.00000
56080000	6.58445E-02	61.897	6.58445E-02	0.49155	75.631	214.41	1200.6	0.00000	0.00000
56090000	6.58431E-02	61.897	6.58431E-02	0.49155	75.626	214.40	1200.5	0.00000	0.00000

56100000	6.58421E-02	61.897	6.58421E-02	0.49155	75.622	214.38	1200.4	0.00000	0.00000
56110000	6.58395E-02	61.897	6.58395E-02	0.49155	75.618	214.38	1200.4	0.00000	0.00000
56120000	6.58344E-02	61.897	6.58344E-02	0.49155	75.614	214.37	1200.4	0.00000	0.00000
56130000	6.58268E-02	61.897	6.58268E-02	0.49155	75.611	214.38	1200.4	0.00000	0.00000
56140000	6.58175E-02	61.897	6.58175E-02	0.49155	75.608	214.38	1200.4	0.00000	0.00000
56150000	6.58075E-02	61.897	6.58075E-02	0.49155	75.605	214.39	1200.4	0.00000	0.00000
56160000	6.57982E-02	61.897	6.57982E-02	0.49155	75.601	214.39	1200.5	0.00000	0.00000
56170000	6.57918E-02	61.897	6.57918E-02	0.49155	75.597	214.39	1200.4	0.00000	0.00000
56180000	6.57893E-02	61.897	6.57893E-02	0.49155	75.593	214.38	1200.4	0.00000	0.00000
56190000	6.57893E-02	61.897	6.57893E-02	0.49155	75.589	214.37	1200.3	0.00000	0.00000
56200000	6.57883E-02	61.897	6.57883E-02	0.49155	75.585	214.36	1200.3	0.00000	0.00000
56210000	6.57841E-02	61.897	6.57841E-02	0.49155	75.583	214.36	1200.3	0.00000	0.00000
56220000	6.57775E-02	61.898	6.57775E-02	0.49155	75.580	214.36	1200.3	0.00000	0.00000
56230000	6.57714E-02	61.898	6.57714E-02	0.49155	75.578	214.36	1200.3	0.00000	0.00000
56240000	6.57674E-02	61.898	6.57674E-02	0.49155	75.574	214.36	1200.3	0.00000	0.00000

54910000	6.60285E-02	61.895	6.60285E-02	0.30578	75.750	214.50	1201.1	0.00000	0.00000
54920000	6.60114E-02	61.895	6.60114E-02	0.30578	75.744	214.49	1201.0	0.00000	0.00000
54930000	6.59940E-02	61.895	6.59940E-02	0.30578	75.732	214.48	1201.0	0.00000	0.00000
54940000	6.59773E-02	61.896	6.59773E-02	0.30578	75.721	214.47	1200.9	0.00000	0.00000
54950000	6.59615E-02	61.896	6.59615E-02	0.30578	75.710	214.47	1200.9	0.00000	0.00000
56010000	6.59417E-02	61.896	6.59417E-02	0.49155	75.698	214.46	1200.8	0.00000	0.00000
56020000	6.59189E-02	61.896	6.59189E-02	0.49155	75.684	214.45	1200.8	0.00000	0.00000
56030000	6.58982E-02	61.896	6.58982E-02	0.49155	75.671	214.45	1200.8	0.00000	0.00000
56040000	6.58805E-02	61.896	6.58805E-02	0.49155	75.661	214.44	1200.7	0.00000	0.00000
56050000	6.58661E-02	61.897	6.58661E-02	0.49155	75.651	214.44	1200.7	0.00000	0.00000
56060000	6.58553E-02	61.897	6.58553E-02	0.49155	75.644	214.43	1200.7	0.00000	0.00000
56070000	6.58482E-02	61.897	6.58482E-02	0.49155	75.637	214.42	1200.6	0.00000	0.00000
56080000	6.58445E-02	61.897	6.58445E-02	0.49155	75.631	214.41	1200.6	0.00000	0.00000
56090000	6.58431E-02	61.897	6.58431E-02	0.49155	75.626	214.40	1200.5	0.00000	0.00000

56100000	6.58421E-02	61.897	6.58421E-02	0.49155	75.622	214.38	1200.4	0.00000	0.00000
56110000	6.58395E-02	61.897	6.58395E-02	0.49155	75.618	214.38	1200.4	0.00000	0.00000
56120000	6.58344E-02	61.897	6.58344E-02	0.49155	75.614	214.37	1200.4	0.00000	0.00000
56130000	6.58268E-02	61.897	6.58268E-02	0.49155	75.611	214.38	1200.4	0.00000	0.00000
56140000	6.58175E-02	61.897	6.58175E-02	0.49155	75.608	214.38	1200.4	0.00000	0.00000
56150000	6.58075E-02	61.897	6.58075E-02	0.49155	75.605	214.39	1200.4	0.00000	0.00000
56160000	6.57982E-02	61.897	6.57982E-02	0.49155	75.601	214.39	1200.5	0.00000	0.00000
56170000	6.57919E-02	61.897	6.57919E-02	0.49155	75.597	214.39	1200.4	0.00000	0.00000
56180000	6.57893E-02	61.897	6.57893E-02	0.49155	75.593	214.38	1200.4	0.00000	0.00000
56190000	6.57893E-02	61.897	6.57893E-02	0.49155	75.589	214.37	1200.3	0.00000	0.00000
56200000	6.57883E-02	61.897	6.57883E-02	0.49155	75.585	214.36	1200.3	0.00000	0.00000
56210000	6.57841E-02	61.897	6.57841E-02	0.49155	75.583	214.36	1200.3	0.00000	0.00000
56220000	6.57775E-02	61.898	6.57775E-02	0.49155	75.580	214.36	1200.3	0.00000	0.00000
56230000	6.57714E-02	61.898	6.57714E-02	0.49155	75.578	214.36	1200.3	0.00000	0.00000
56240000	6.57674E-02	61.898	6.57674E-02	0.49155	75.577	214.37	1200.3	0.00000	0.00000
56250000	6.57653E-02	61.898	6.57653E-02	0.49155	75.576	214.37	1200.3	0.00000	0.00000
56260000	6.57645E-02	61.898	6.57645E-02	0.49155	75.575	214.37	1200.3	0.00000	0.00000
56270000	6.57637E-02	61.898	6.57637E-02	0.49155	75.575	214.37	1200.3	0.00000	0.00000
56280000	6.57610E-02	61.898	6.57610E-02	0.49155	75.576	214.37	1200.3	0.00000	0.00000
56290000	6.57569E-02	61.898	6.57569E-02	0.49155	75.576	214.38	1200.4	0.00000	0.00000
56300000	6.57562E-02	61.898	6.57562E-02	0.49155	75.576	214.38	1200.4	0.00000	0.00000
56310000	6.57628E-02	61.898	6.57628E-02	0.49155	75.576	214.37	1200.3	0.00000	0.00000
56320000	6.57732E-02	61.898	6.57732E-02	0.49155	75.575	214.35	1200.2	0.00000	0.00000
56330000	6.57794E-02	61.898	6.57794E-02	0.49155	75.574	214.34	1200.2	0.00000	0.00000
56340000	6.57763E-02	61.898	6.57763E-02	0.49155	75.572	214.34	1200.2	0.00000	0.00000
56350000	6.57675E-02	61.898	6.57675E-02	0.49155	75.570	214.35	1200.2	0.00000	0.00000
58010000	6.57607E-02	61.898	6.57607E-02	0.54635	75.569	214.35	1200.2	0.00000	0.00000
58020000	6.57608E-02	61.898	6.57608E-02	0.54635	75.569	214.35	1200.2	0.00000	0.00000
58030000	6.57637E-02	61.898	6.57637E-02	0.54635	75.571	214.35	1200.2	0.00000	0.00000
58040000	6.57652E-02	61.898	6.57652E-02	0.54635	75.572	214.36	1200.3	0.00000	0.00000
58050000	6.57657E-02	61.898	6.57657E-02	0.54635	75.572	214.35	1200.2	0.00000	0.00000
58060000	6.57661E-02	61.898	6.57661E-02	0.54635	75.569	214.34	1200.2	0.00000	0.00000
58070000	6.57678E-02	61.898	6.57678E-02	0.54635	75.566	214.33	1200.1	0.00000	0.00000
60010000	6.57692E-02	61.898	6.57692E-02	0.60828	75.564	214.32	1200.1	0.00000	0.00000
60020000	6.57428E-02	61.898	6.57428E-02	0.60828	75.565	214.37	1200.3	0.00000	0.00000
60030000	6.72356E-02	61.864	6.72356E-02	0.60828	77.965	215.22	1075.6	0.00000	1.60125E-02
62010000	8.48722E-02	61.858	6.72989E-02	0.54800	78.394	215.71	946.52	0.00000	5.89843E-03
62020000	1.1255	61.734	6.57847E-02	0.54800	86.694	231.06	237.72	0.00000	6.58966E-03
64010000	61.714	61.715	7.00659E-02	0.90420	87.957	213.86	4220.3	0.00000	5.63569E-09
66010000	61.715	61.715	4.09696E-02	0.82200	87.957	1079.0	5041.1	0.00000	0.00000
68010000	61.715	61.715	4.25871E-02	0.82200	87.957	1079.6	5041.2	0.00000	0.00000
69010000	61.715	61.715	4.42533E-02	2.2358	87.957	1080.2	5041.2	0.00000	0.00000
70010000	61.715	61.715	4.54234E-02	2.2358	87.957	1080.6	5041.2	0.00000	0.00000
71010000	61.715	61.715	4.58959E-02	2.2358	87.957	1080.7	5041.2	0.00000	0.00000
73010000	61.713	61.715	7.04234E-02	600.33	87.956	215.14	3781.6	0.00000	8.57497E-09
75010000	6.19512E-02	61.912	6.00147E-02	199.98	74.506	215.40	1054.7	0.00000	5.01176E-02
76010000	0.70383	53.665	0.57370	0.10050	373.98	1096.1	1364.8	0.00000	-24.759
76020000	0.55087	54.534	0.44016	0.10050	350.82	1099.0	1353.8	0.00000	-18.756
76030000	0.48343	54.946	0.38074	0.10050	339.45	1102.9	1346.2	0.00000	-11.994
76040000	0.43830	55.246	0.34207	0.10050	331.05	1104.9	1340.8	0.00000	-7.7759
79010000	8.8635	32.888	8.8635	0.11760	743.90	1015.1	1397.0	0.00000	0.00000
81010000	8.8624	32.896	8.8624	8.65830E-02	743.82	1015.1	1395.7	0.00000	0.00000
83010000	8.8738	32.826	8.8738	7.93800E-02	744.59	1015.2	1407.0	0.00000	0.00000
83020000	8.8726	32.830	8.8726	9.37860E-02	744.54	1015.2	1406.4	0.00000	0.00000
85010000	8.8733	32.841	8.8733	0.10334	744.43	1015.1	1404.6	0.00000	0.00000
85020000	8.8724	32.834	8.8724	0.10334	744.50	1015.2	1405.7	0.00000	0.00000
87010000	8.8589	32.953	8.8589	8.58480E-02	743.19	1015.0	1386.5	0.00000	0.00000
89010000	8.8590	32.977	8.8590	0.11539	742.91	1014.9	1383.3	0.00000	0.00000
91010000	8.8401	33.199	8.8401	0.15787	740.39	1014.3	1088.8	0.00000	-1.80793E-04
91020000	8.8511	33.117	8.8511	0.15787	741.74	1014.5	1383.2	0.00000	0.00000

91030000	8.8546	33.038	8.8546	0.15787	742.22	1014.7	1379.0	0.00000	0.00000
93010000	6.74957E-02	61.848	6.61792E-02	9000.0	79.064	217.61	1067.0	0.00000	3.08744E-04
95010000	0.34649	55.910	0.26732	0.10251	311.92	1107.6	1332.4	0.00000	6.02530E-02
96010000	0.39155	55.534	0.30470	0.16944	322.86	1109.3	1342.1	0.00000	1.3438
97010000	0.31293	56.233	0.24132	0.12140	302.37	1101.9	1325.0	0.00000	-5.5640
99010000	8.8192	33.233	8.8192	0.11760	740.00	1014.6	1089.8	0.00000	-2.30786E-04
101010000	8.8175	33.239	8.8175	8.65830E-02	739.94	1014.6	1089.9	0.00000	-2.42594E-04
103010000	8.8154	33.245	8.8154	0.10054	739.86	1014.6	1090.0	0.00000	-2.53781E-04
103020000	8.8188	33.234	8.8188	9.37860E-02	739.99	1014.6	1089.8	0.00000	-2.26118E-04
105010000	8.8094	33.272	8.8094	0.15155	739.55	1014.5	1090.2	0.00000	-3.31876E-04
105020000	8.8147	33.250	8.8147	0.15155	739.81	1014.5	1090.0	0.00000	-2.66172E-04
107010000	8.8068	33.288	8.8068	8.58480E-02	739.37	1014.5	1090.2	0.00000	-3.77809E-04
109010000	8.8106	33.281	8.8106	0.11539	739.45	1014.4	1090.1	0.00000	-3.64543E-04
111010000	8.8171	33.296	8.8171	0.15787	739.28	1014.1	1089.7	0.00000	-4.37936E-04
111020000	8.8116	33.299	8.8116	0.15787	739.22	1014.0	1089.8	0.00000	-4.30517E-04

91030000	8.8546	33.038	8.8546	0.15787	742.22	1014.7	1379.0	0.00000	0.00000
93010000	6.74957E-02	61.848	6.61792E-02	9000.0	79.064	217.61	1067.0	0.00000	3.08744E-04
95010000	0.34649	55.910	0.26732	0.10251	311.92	1107.6	1332.4	0.00000	6.02530E-02
96010000	0.39155	55.534	0.30470	0.16944	322.86	1109.3	1342.1	0.00000	1.3438
97010000	0.31293	56.233	0.24132	0.12140	302.37	1101.9	1325.0	0.00000	-5.5640
99010000	8.8192	33.233	8.8192	0.11760	740.00	1014.6	1089.8	0.00000	-2.30786E-04
101010000	8.8175	33.239	8.8175	8.65830E-02	739.94	1014.6	1089.9	0.00000	-2.42594E-04
103010000	8.8154	33.245	8.8154	0.10054	739.86	1014.6	1090.0	0.00000	-2.53781E-04
103020000	8.8188	33.234	8.8188	9.37860E-02	739.99	1014.6	1089.8	0.00000	-2.26118E-04
105010000	8.8094	33.272	8.8094	0.15155	739.55	1014.5	1090.2	0.00000	-3.31876E-04
105020000	8.8147	33.250	8.8147	0.15155	739.81	1014.5	1090.0	0.00000	-2.66172E-04
107010000	8.8068	33.288	8.8068	8.58480E-02	739.37	1014.5	1090.2	0.00000	-3.77809E-04
109010000	8.8106	33.281	8.8106	0.11539	739.45	1014.4	1090.1	0.00000	-3.64543E-04
111010000	8.8171	33.296	8.8171	0.15787	739.28	1014.1	1089.7	0.00000	-4.37936E-04
111020000	8.8116	33.299	8.8116	0.15787	739.24	1014.2	1089.9	0.00000	-4.30567E-04
111030000	8.8094	33.294	8.8094	0.15787	739.31	1014.3	1090.1	0.00000	-4.04422E-04
113010000	8.8691	33.113	8.8691	0.00000	741.38	1014.2	1087.3	0.00000	10.976
114010000	0.29296	56.170	0.24335	0.31455	304.24	1106.2	1385.6	0.00000	0.30940
114020000	0.60947	56.200	0.24224	0.31455	303.35	1100.2	904.02	0.00000	-0.27551
114030000	23.583	59.915	0.26977	0.31455	176.71	773.21	178.77	0.00000	-25.761
136010000	0.43420	55.242	0.33774	0.17165	331.16	1108.8	1342.1	0.00000	-2.4369
178010000	6.2966	38.824	5.3965	1.56400E-02	665.07	1067.3	1157.7	0.00000	0.00000
193010000	6.69115E-02	61.871	6.59149E-02	9000.0	77.472	215.33	1067.8	0.00000	1.87996E-04
195010000	0.25818	56.713	0.19795	0.12462	287.86	1102.6	1318.6	0.00000	-0.64630
195020000	0.24699	56.806	0.19028	0.11656	284.97	1102.5	1321.3	0.00000	1.3676
198010000	6.2363	38.982	5.3134	1.56400E-02	662.76	1068.5	1158.8	0.00000	0.00000

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56110000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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62010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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87010000	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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91010000	0	0	0	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	0	0	0
91030000	0	0	0	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	0	0	0
95010000	34	34	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0
96010000	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97010000	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99010000	2	2	0	0	0	0	0	0	0	0	0	35	35	10	10	0	0
101010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103010000	0	0	0	0	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	0	0
105010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105020000	0	0	0	0	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	0	0
109010000	0	0	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	0	0
111020000	0	0	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	0	0
113010000	0	0	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	0	0
114020000	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114030000	7	7	0	0	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	0	0
178010000	8	8	0	0	0	0	0	0	0	0	0	3	3	0	0	0	0
193010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195010000	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195020000	55	55	2	2	0	0	7	7	1	1	1	1	1	1	1	1	1
198010000	5	5	0	0	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.ADV.S.	CHOKED EDIT	TOTAL
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93010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95010000	34	34	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
96010000	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97010000	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99010000	2	2	0	0	0	0	0	0	0	0	0	35	35	10	10	0	0
101010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103010000	0	0	0	0	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	0	0
105010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105020000	0	0	0	0	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	0	0
109010000	0	0	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	0	0
111020000	0	0	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	0	0
113010000	0	0	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	0	0
114020000	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114030000	7	7	0	0	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	0	0
178010000	8	8	0	0	0	0	0	0	0	0	0	3	3	0	0	0	0
193010000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195010000	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
195020000	55	55	2	2	0	0	7	7	1	1	1	1	1	1	1	1	1
198010000	5	5	0	0	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 (FT ²)	THROAT RATIO	JUNCTION FLAGS	CHOKE FLAG	NO. ADVS. CHOKED EDIT TOTAL
C-36 PIPE COMPONENT										
36010000	36010000	36020000	772.04	772.04	109.68	0.20100	1.0000	1000	0	0 0
36020000	36020000	36030000	972.62	972.62	109.43	0.20100	1.0000	1000	0	0 0
C-96-040 SNGLJUN COMPONENT										
37000000	96010000	40010000	596.36	596.36	47.464	0.20100	1.0000	1	0	10 10
C-38 PIPE COMPONENT										
38010000	38010000	38020000	65.080	65.113	474.01	0.54800	1.0000	1000	0	0 0
38020000	38020000	38030000	56.699	59.984	1196.6	0.54800	1.0000	1000	0	0 0
38030000	38030000	38040000	60.378	68.907	1256.7	0.54800	1.0000	1000	0	0 0
38040000	38040000	38050000	69.504	-3.2070	726.25	0.54800	1.0000	1000	0	0 0
38050000	38050000	38060000	-58.308	-58.308	-10.190	0.54800	1.0000	1000	0	0 0
38060000	38060000	38070000	-104.64	-104.64	-17.729	0.54800	1.0000	1000	0	0 0
C-40-38 SNGLJUN COMPONENT										
39000000	40010000	38010000	251.74	319.32	49.365	0.37500	1.0000	1000	0	0 0
C-38-42 SNGLJUN COMPONENT										
41000000	38070000	42010000	-151.81	-151.81	-25.379	0.54800	1.0000	1000	0	0 0
C-42-44 SNGLJUN COMPONENT										
43000000	42010000	44010000	-659.80	-659.80	-32.480	0.20100	1.0000	100	0	108 108
C-44-46 SNGLJUN COMPONENT										
45000000	44010000	46010000	545.27	545.27	26.842	0.20100	1.0000	100	0	93 93
C-46 PIPE COMPONENT										
46010000	46010000	46020000	148.85	148.85	25.077	0.54800	1.0000	1000	0	0 0
46020000	46020000	46030000	138.82	138.82	23.013	0.54800	1.0000	1000	0	0 0
C-46-48 SNGLJUN COMPONENT										
47000000	46030000	114010000	128.55	128.55	21.090	0.54800	1.0000	1000	0	0 0
C-48 PIPE COMPONENT										
48010000	48010000	48020000	61.035	134.46	507.99	0.54800	1.0000	1000	0	0 0
48020000	48020000	48030000	75.875	134.20	496.37	0.54800	1.0000	1000	0	0 0
48030000	48030000	48040000	91.118	128.16	419.67	0.54800	1.0000	1000	0	0 0
48040000	48040000	48050000	121.40	125.91	346.60	0.54800	1.0000	1000	0	0 0
48050000	48050000	48060000	143.63	143.63	278.60	0.54800	1.0000	1000	0	0 0
48060000	48060000	48070000	161.30	161.30	217.22	0.54800	1.0000	1000	0	0 0
48070000	48070000	48080000	175.15	175.15	162.08	0.54800	1.0000	1000	0	0 0
48080000	48080000	48090000	134.81	184.81	113.58	0.54800	1.0000	1000	0	0 0
C-48-50 SNGLJUN COMPONENT										
49000000	48090000	50010000	190.62	190.62	74.201	0.54800	1.0000	1000	0	0 0
C-50 PIPE COMPONENT										
50010000	50010000	50020000	201.48	201.48	46.155	0.54800	1.0000	1000	0	0 0
50020000	50020000	50030000	206.54	206.54	28.336	0.54800	1.0000	1000	0	0 0
50030000	50030000	50040000	210.32	210.32	18.415	0.54800	1.0000	1000	0	0 0
50040000	50040000	50050000	211.92	211.92	13.367	0.54800	1.0000	1000	0	0 0
C-50-52 SNGLJUN COMPONENT										
51000000	50050000	52010000	212.06	212.06	11.047	0.54800	1.0000	1000	0	0 0
C-52-54 SNGLJUN COMPONENT										
53000000	52010000	54010000	208.96	208.96	9.9755	0.54800	1.0000	1000	0	0 0
C-54 PIPE COMPONENT										

54010000	54010000	54020000	209.16	209.16	9.5521	0.54800	1.0000	1000	0	0 0
54020000	54020000	54030000	197.75	197.75	8.5570	0.54800	1.0000	1000	0	0 0
54030000	54030000	54040000	195.67	195.67	8.3169	0.54800	1.0000	1000	0	0 0
54040000	54040000	54050000	193.82	193.82	8.1897	0.54800	1.0000	1000	0	0 0
54050000	54050000	54060000	190.68	190.68	8.0295	0.54800	1.0000	1000	0	0 0
54060000	54060000	54070000	186.56	186.56	7.8284	0.54800	1.0000	1000	0	0 0
54070000	54070000	54080000	181.78	181.78	7.5982	0.54800	1.0000	1000	0	0 0
54080000	54080000	54090000	176.50	176.50	7.3462	0.54800	1.0000	1000	0	0 0
54090000	54090000	54100000	170.81	170.81	7.0767	0.54800	1.0000	1000	0	0 0
54100000	54100000	54110000	164.81	164.81	6.7949	0.54800	1.0000	1000	0	0 0
54110000	54110000	54120000	158.65	158.65	6.5082	0.54800	1.0000	1000	0	0 0
54120000	54120000	54130000	152.52	152.52	6.2256	0.54800	1.0000	1000	0	0 0
54130000	54130000	54140000	146.60	146.60	5.9554	0.54800	1.0000	1000	0	0 0
54140000	54140000	54150000	141.06	141.06	5.7043	0.54800	1.0000	1000	0	0 0
54150000	54150000	54160000	136.00	136.00	5.4771	0.54800	1.0000	1000	0	0 0

48070000	48070000	48080000	175.15	175.15	162.08	0.54800	1.0000	1000	0	0	0
48080000	48080000	48090000	184.81	184.81	113.58	0.54800	1.0000	1000	0	0	0
C-48-50 SNGLJUN COMPONENT											
49000000	49000000	50010000	190.62	190.62	74.201	0.54800	1.0000	1000	0	0	0
C-50 PIPE COMPONENT											
50010000	50010000	50020000	201.48	201.48	46.155	0.54800	1.0000	1000	0	0	0
50020000	50020000	50030000	206.54	206.54	28.338	0.54800	1.0000	1000	0	0	0
50030000	50030000	50040000	210.32	210.32	18.415	0.54800	1.0000	1000	0	0	0
50040000	50040000	50050000	211.92	211.92	13.367	0.54800	1.0000	1000	0	0	0
C-50-52 SNGLJUN COMPONENT											
51000000	50050000	52010000	212.06	212.06	11.047	0.54800	1.0000	1000	0	0	0
C-52-54 SNGLJUN COMPONENT											
53000000	52010000	54010000	208.96	208.96	9.9755	0.54800	1.0000	1000	0	0	0
C-54 PIPE COMPONENT											

54010000	54010000	54020000	209.16	209.16	9.5521	0.54800	1.0000	1000	0	0	0
54020000	54020000	54030000	197.75	197.75	8.5570	0.54800	1.0000	1000	0	0	0
54030000	54030000	54040000	195.67	195.67	8.3169	0.54800	1.0000	1000	0	0	0
54040000	54040000	54050000	193.82	193.82	8.1897	0.54800	1.0000	1000	0	0	0
54050000	54050000	54060000	190.68	190.68	8.0295	0.54800	1.0000	1000	0	0	0
54060000	54060000	54070000	186.56	186.56	7.8284	0.54800	1.0000	1000	0	0	0
54070000	54070000	54080000	181.78	181.78	7.5982	0.54800	1.0000	1000	0	0	0
54080000	54080000	54090000	176.50	176.50	7.3462	0.54800	1.0000	1000	0	0	0
54090000	54090000	54100000	170.81	170.81	7.0767	0.54800	1.0000	1000	0	0	0
54100000	54100000	54110000	164.81	164.81	6.7949	0.54800	1.0000	1000	0	0	0
54110000	54110000	54120000	158.65	158.65	6.5082	0.54800	1.0000	1000	0	0	0
54120000	54120000	54130000	152.52	152.52	6.2256	0.54800	1.0000	1000	0	0	0
54130000	54130000	54140000	146.60	146.60	5.9554	0.54800	1.0000	1000	0	0	0
54140000	54140000	54150000	141.06	141.06	5.7043	0.54800	1.0000	1000	0	0	0
54150000	54150000	54160000	136.00	136.00	5.4771	0.54800	1.0000	1000	0	0	0
54160000	54160000	54170000	131.48	131.48	5.2761	0.54800	1.0000	1000	0	0	0
54170000	54170000	54180000	127.54	127.54	5.1015	0.54800	1.0000	1000	0	0	0
54180000	54180000	54190000	124.13	124.13	4.9515	0.54800	1.0000	1000	0	0	0
54190000	54190000	54200000	121.20	121.20	4.8233	0.54800	1.0000	1000	0	0	0
54200000	54200000	54210000	118.68	118.68	4.7136	0.54800	1.0000	1000	0	0	0
54210000	54210000	54220000	116.51	116.51	4.6190	0.54800	1.0000	1000	0	0	0
54220000	54220000	54230000	114.59	114.59	4.5359	0.54800	1.0000	1000	0	0	0
54230000	54230000	54240000	112.87	112.87	4.4614	0.54800	1.0000	1000	0	0	0
54240000	54240000	54250000	111.28	111.28	4.3927	0.54800	1.0000	1000	0	0	0
54250000	54250000	54260000	109.76	109.76	4.3274	0.54800	1.0000	1000	0	0	0
54260000	54260000	54270000	108.28	108.28	4.2636	0.54800	1.0000	1000	0	0	0
54270000	54270000	54280000	106.79	106.79	4.1999	0.54800	1.0000	1000	0	0	0
54280000	54280000	54290000	105.28	105.28	4.1351	0.54800	1.0000	1000	0	0	0
54290000	54290000	54300000	103.72	103.72	4.0686	0.54800	1.0000	1000	0	0	0
54300000	54300000	54310000	102.11	102.11	4.0002	0.54800	1.0000	1000	0	0	0
54310000	54310000	54320000	100.46	100.46	3.9300	0.54800	1.0000	1000	0	0	0
54320000	54320000	54330000	98.765	98.765	3.8584	0.54800	1.0000	1000	0	0	0
54330000	54330000	54340000	97.049	97.049	3.7860	0.54800	1.0000	1000	0	0	0
54340000	54340000	54350000	95.333	95.333	3.7138	0.54800	1.0000	1000	0	0	0
54350000	54350000	54360000	93.641	93.641	3.6429	0.54800	1.0000	1000	0	0	0
54360000	54360000	54370000	91.992	91.992	3.5739	0.54800	1.0000	1000	0	0	0
54370000	54370000	54380000	90.389	90.389	3.5071	0.54800	1.0000	1000	0	0	0
54380000	54380000	54390000	88.814	88.814	3.4417	0.54800	1.0000	1000	0	0	0
54390000	54390000	54400000	87.219	87.219	3.3755	0.54800	1.0000	1000	0	0	0
54400000	54400000	54410000	85.526	85.526	3.3055	0.54800	1.0000	1000	0	0	0
54410000	54410000	54420000	83.638	83.638	3.2276	0.54800	1.0000	1000	0	0	0
54420000	54420000	54430000	81.448	81.448	3.1375	0.54800	1.0000	1000	0	0	0
54430000	54430000	54440000	78.862	78.862	3.0314	0.54800	1.0000	1000	0	0	0
54440000	54440000	54450000	75.818	75.818	2.9071	0.54800	1.0000	1000	0	0	0
54450000	54450000	54460000	72.299	72.299	2.7642	0.54800	1.0000	1000	0	0	0
54460000	54460000	54470000	68.342	68.342	2.6044	0.54800	1.0000	1000	0	0	0
54470000	54470000	54480000	64.034	64.034	2.4317	0.54800	1.0000	1000	0	0	0
54480000	54480000	54490000	59.494	59.494	2.2509	0.54800	1.0000	1000	0	0	0
54490000	54490000	54500000	54.854	54.854	2.0676	0.54800	1.0000	1000	0	0	0
54500000	54500000	54510000	50.239	50.239	1.8868	0.54800	1.0000	1000	0	0	0
54510000	54510000	54520000	45.754	45.754	1.7122	0.54800	1.0000	1000	0	0	0
54520000	54520000	54530000	41.472	41.472	1.5469	0.54800	1.0000	1000	0	0	0
54530000	54530000	54540000	37.438	37.438	1.3922	0.54800	1.0000	1000	0	0	0
54540000	54540000	54550000	33.678	33.678	1.2489	0.54800	1.0000	1000	0	0	0
54550000	54550000	54560000	30.196	30.196	1.1171	0.54800	1.0000	1000	0	0	0
54560000	54560000	54570000	26.991	26.991	0.99634	0.54800	1.0000	1000	0	0	0
54570000	54570000	54580000	24.055	24.055	0.88631	0.54800	1.0000	1000	0	0	0
54580000	54580000	54590000	21.379	21.379	0.78647	0.54800	1.0000	1000	0	0	0
54590000	54590000	54600000	18.957	18.957	0.69642	0.54800	1.0000	1000	0	0	0
54600000	54600000	54610000	16.785	16.785	0.61591	0.54800	1.0000	1000	0	0	0

54610000	54610000	54620000	14.865	14.865	0.54489	0.54800	1.0000	1000	0	0	0
54620000	54620000	54630000	13.201	13.201	0.48348	0.54800	1.0000	1000	0	0	0
54630000	54630000	54640000	11.805	11.805	0.43195	0.54800	1.0000	1000	0	0	0
54640000	54640000	54650000	10.686	10.686	0.39066	0.54800	1.0000	1000	0	0	0
54650000	54650000	54660000	9.8530	9.8530	0.35987	0.54800	1.0000	1000	0	0	0
54660000	54660000	54670000	9.3103	9.3103	0.33969	0.54800	1.0000	1000	0	0	0
54670000	54670000	54680000	9.0520	9.0520	0.32987	0.54800	1.0000	1000	0	0	0
54680000	54680000	54690000	9.0598	9.0598	0.32971	0.54800	1.0000	1000	0	0	0
54690000	54690000	54700000	9.3010	9.3010	0.33799	0.54800	1.0000	1000	0	0	0
54700000	54700000	54710000	9.7280	9.7280	0.35296	0.54800	1.0000	1000	0	0	0
54710000	54710000	54720000	10.281	10.281	0.37240	0.54800	1.0000	1000	0	0	0
54720000	54720000	54730000	10.890	10.890	0.39383	0.54800	1.0000	1000	0	0	0
54730000	54730000	54740000	11.484	11.484	0.41470	0.54800	1.0000	1000	0	0	0
54740000	54740000	54750000	11.996	11.996	0.43258	0.54800	1.0000	1000	0	0	0

54470000	54470000	54480000	64.034	64.034	2.4317	0.54800	1.0000	1000	0	0	0
54480000	54480000	54490000	59.494	59.494	2.2509	0.54800	1.0000	1000	0	0	0
54490000	54490000	54500000	54.854	54.854	2.0676	0.54800	1.0000	1000	0	0	0
54500000	54500000	54510000	50.239	50.239	1.8868	0.54800	1.0000	1000	0	0	0
54510000	54510000	54520000	45.754	45.754	1.7122	0.54800	1.0000	1000	0	0	0
54520000	54520000	54530000	41.472	41.472	1.5469	0.54800	1.0000	1000	0	0	0
54530000	54530000	54540000	37.438	37.438	1.3922	0.54800	1.0000	1000	0	0	0
54540000	54540000	54550000	33.678	33.678	1.2489	0.54800	1.0000	1000	0	0	0
54550000	54550000	54560000	30.196	30.196	1.1171	0.54800	1.0000	1000	0	0	0
54560000	54560000	54570000	26.991	26.991	0.99634	0.54800	1.0000	1000	0	0	0
54570000	54570000	54580000	24.055	24.055	0.88631	0.54800	1.0000	1000	0	0	0
54580000	54580000	54590000	21.379	21.379	0.78647	0.54800	1.0000	1000	0	0	0
54590000	54590000	54600000	18.957	18.957	0.69642	0.54800	1.0000	1000	0	0	0
54600000	54600000	54610000	16.785	16.785	0.61591	0.54800	1.0000	1000	0	0	0

:-54-56 SINGLJUN COMPONENT

PIPE	COMPONENT											
56010000	56010000	56020000	0.42042	0.42042	1.51891E-02	0.54800	1.00000	1000	0	0	0	
56020000	56020000	56030000	-8.88303E-02	-8.88303E-02	-3.20760E-03	0.54800	1.00000	1000	0	0	0	
56030000	56030000	56040000	-0.37572	-0.37572	-1.35643E-02	0.54800	1.00000	1000	0	0	0	
56040000	56040000	56050000	-0.49758	-0.49758	-1.79599E-02	0.54800	1.00000	1000	0	0	0	
56050000	56050000	56060000	-0.51474	-0.51474	-1.85765E-02	0.54800	1.00000	1000	0	0	0	
56060000	56060000	56070000	-0.47788	-0.47788	-1.72445E-02	0.54800	1.00000	1000	0	0	0	
56070000	56070000	56080000	-0.42077	-0.42077	-1.51831E-02	0.54800	1.00000	1000	0	0	0	
56080000	56080000	56090000	-0.35929	-0.35929	-1.29643E-02	0.54800	1.00000	1000	0	0	0	
56090000	56090000	56100000	-0.29764	-0.29764	-1.07397E-02	0.54800	1.00000	1000	0	0	0	
56100000	56100000	56110000	-0.23656	-0.23656	-8.53534E-03	0.54800	1.00000	1000	0	0	0	
56110000	56110000	56120000	-0.17659	-0.17659	-6.37123E-03	0.54800	1.00000	1000	0	0	0	
56120000	56120000	56130000	-0.11672	-0.11672	-4.21065E-03	0.54800	1.00000	1000	0	0	0	
56130000	56130000	56140000	-5.34130E-02	-5.34130E-02	-1.92654E-03	0.54800	1.00000	1000	0	0	0	
56140000	56140000	56150000	1.73712E-02	1.73712E-02	6.26558E-04	0.54800	1.00000	1000	0	0	0	
56150000	56150000	56160000	9.74668E-02	9.74668E-02	3.51498E-03	0.54800	1.00000	1000	0	0	0	
56160000	56160000	56170000	0.18543	0.18543	6.68637E-03	0.54800	1.00000	1000	0	0	0	
56170000	56170000	56180000	0.27695	0.27695	9.98552E-03	0.54800	1.00000	1000	0	0	0	
56180000	56180000	56190000	0.36595	0.36595	1.31940E-02	0.54800	1.00000	1000	0	0	0	
56190000	56190000	56200000	0.44626	0.44626	1.60892E-02	0.54800	1.00000	1000	0	0	0	
56200000	56200000	56210000	0.51306	0.51306	1.84974E-02	0.54800	1.00000	1000	0	0	0	
56210000	56210000	56220000	0.56325	0.56325	2.03054E-02	0.54800	1.00000	1000	0	0	0	
56220000	56220000	56230000	0.59471	0.59471	2.14372E-02	0.54800	1.00000	1000	0	0	0	
56230000	56230000	56240000	0.60614	0.60614	2.18473E-02	0.54800	1.00000	1000	0	0	0	

[illegible]

C-76	PIPE	COMPONENT											
76010000	76010000	76020000	789.63	789.63	111.37	0.20100	1.0000	1000	0	0	0		
76020000	76020000	76030000	1004.5	1004.5	111.07	0.20100	1.0000	1000	0	0	0		
76030000	76030000	76040000	1143.1	1143.1	111.09	0.20100	1.0000	1000	0	0	0		
C-76-044	SNGLJUN	COMPONENT											
77000000	76040000	44010000	1260.4	1260.4	110.96	0.20100	1.0000	100	1	218	218		
C178-76	VALVE	COMPONENT											
78000000	178010000	76010000	1046.2	1047.2	112.31	1.70000E-02	1.0000	100	1	309	309		
C-81-79	SNGLJUN	COMPONENT											
80000000	81010000	79010000	85.807	85.807	111.78	0.14700	1.0000	1000	0	0	0		
C-83-81	SNGLJUN	COMPONENT											
82000000	83020000	81010000	85.886	85.886	112.01	0.14700	1.0000	1000	0	0	0		
C-83	PIPE	COMPONENT											
83010000	83010000	83020000	-0.13216	-0.13216	-0.17237	0.14700	1.0000	1000	0	0	0		

C-85-83	SNGLJUN	COMPONENT											
84000000	83020000	85010000	-86.179	-86.179	-112.41	0.14700	1.0000	1000	0	0	0		
C-85	PIPE	COMPONENT											
85010000	85010000	85020000	0.15073	0.15073	0.19660	0.14700	1.0000	1000	0	0	0		
C-87-85	SNGLJUN	COMPONENT											
86000000	87010000	85010000	86.647	86.647	112.83	0.14700	1.0000	1000	0	0	0		
C-89-87	SNGLJUN	COMPONENT											
88000000	89010000	87010000	86.875	86.875	113.13	0.14700	1.0000	1000	0	0	0		
C-91-89	SNGLJUN	COMPONENT											
90000000	91030000	89010000	87.225	87.225	113.53	0.14700	1.0000	1000	0	0	0		
C-91	PIPE	COMPONENT											
91010000	91010000	91020000	88.296	88.296	114.73	0.14700	1.0000	1000	0	0	0		
91020000	91020000	91030000	87.718	87.718	114.13	0.14700	1.0000	1000	0	0	0		
C-01-91	SNGLJUN	COMPONENT											
92000000	1010000	91010000	88.437	88.437	115.30	0.14700	1.0000	0	0	0	0		
RD	VALVE	COMPONENT											
94000000	95010000	93010000	948.57	948.57	66.548	0.20100	0.81094	100	1	170	170		
PR-2A	VALVE	COMPONENT											
98000000	198010000	36010000	984.21	1043.2	109.15	1.70000E-02	1.0000	100	1	309	309		
C-100	SNGLJUN	COMPONENT											
100000000	101010000	99010000	87.858	87.858	113.79	0.14700	1.0000	1000	0	0	0		
C1-103	SNGLJUN	COMPONENT											
102000000	103020000	101010000	89.716	89.716	116.21	0.14700	1.0000	1000	0	0	0		
C-103	PIPE	COMPONENT											
103010000	103010000	103020000	91.771	91.771	118.83	0.14700	1.0000	1000	0	0	0		
C5-103	SNGLJUN	COMPONENT											
104000000	105020000	103010000	93.929	93.929	121.62	0.14700	1.0000	1000	0	0	0		
C-105	PIPE	COMPONENT											
105010000	105010000	105020000	97.138	97.138	125.70	0.14700	1.0000	1000	0	0	0		
C7-105	SNGLJUN	COMPONENT											
106000000	107010000	105010000	100.08	100.08	129.48	0.14700	1.0000	1000	0	0	0		
C9-107	SNGLJUN	COMPONENT											
108000000	109010000	107010000	101.51	101.51	131.40	0.14700	1.0000	1000	0	0	0		
C11-109	SNGLJUN	COMPONENT											
110000000	111030000	109010000	103.25	103.25	133.65	0.14700	1.0000	1000	0	0	0		
C-111	PIPE	COMPONENT											
111010000	111010000	111020000	106.12	106.12	137.53	0.14700	1.0000	1000	0	0	0		
111020000	111020000	111030000	105.05	105.05	136.04	0.14700	1.0000	1000	0	0	0		
C13-111	SNGLJUN	COMPONENT											
112000000	113010000	111010000	105.91	105.91	138.08	0.14700	1.0000	0	0	0	0		
C-114	PIPE	COMPONENT											
114010000	114010000	114020000	118.50	118.50	18.913	0.54800	1.0000	1000	0	0	0		
114020000	114020000	114030000	136.56	106.94	43.169	0.54800	1.0000	1000	0	0	0		
C-119	SNGLJUN	COMPONENT											
119000000	136030000	136010000	1087.3	1087.3	109.17	0.20100	1.0000	1000	0	0	0		
C-120	SNGLJUN	COMPONENT											
120000000	136010000	97010000	1249.4	1249.4	108.96	0.20100	1.0000	100	1	131	131		
C-121	SNGLJUN	COMPONENT											
121000000	97010000	96010000	702.40	702.40	44.480	0.20100	1.0000	100	0	3	3		
C-122	SNGLJUN	COMPONENT											
122000000	97010000	95010000	1034.4	1034.4	65.506	0.20100	0.92039	100	0	9	9		
C-123	SNGLJUN	COMPONENT											
123000000	114030000	48010000	35.388	54.621	465.55	0.54800	0.25000	100	1	119	119		
RD	VALVE	COMPONENT											
194000000	195020000	193010000	1016.6	1016.6	46.608	0.18800	0.86702	100	1	76	76		
C-195	PIPE	COMPONENT											
195010000	195010000	195020000	1004.4	1004.4	48.068	0.18800	1.0000	0	0	10	10		
C-44-195	SNGLJUN	COMPONENT											
196000000	44010000	195010000	1013.0	1013.0	49.868	0.20100	1.0000	100	0	0	0		
V-INLET	SNGLJUN	COMPONENT											

278000000	79010000	178010000	739.89	739.89	111.48	1.70000E-02	1.0000	100	0	0	0		
V-INLET	SNGLJUN	COMPONENT											
298000000	99010000	198010000	737.55	737.55	110.49	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	53.622	0.57093	HRT	TCT	1.648E+17	0.997	0.941	0.941	0.000	0.00	0.00
36020000	54.451	0.44311	HRT	TCT	1.708E+17	0.997	0.470	0.470	0.000	0.00	0.00
37000000	55.499	0.30827	HRT	MST	1.776E+17	0.998	0.563	0.563	0.000	0.00	0.00
38010000	57.943	0.32068	HRT	CTT	320.	0.774	1.00	1.00	0.106	0.00	0.00
38020000	60.497	0.41615	HRT	CTT	627.	0.366	1.00	1.00	0.583	0.00	0.00
38030000	60.441	0.41968	HRT	CTT	337.	0.374	1.00	1.00	0.889	0.00	0.00
38040000	59.729	0.34281	HRT	CTM	46.8	0.680	1.00	1.00	0.533	0.00	0.00
38050000	56.137	0.24628	HRT	TCT	1.696E+09	0.998	1.00	1.00	7.481E-06	0.00	0.00
38060000	56.160	0.24389	HRT	TCT	1.696E+09	0.998	1.00	1.00	7.481E-06	0.00	0.00

120000000	136010000	97010000	1249.4	1249.4	106.96	0.20100	1.0000	100	1	131	131
C-121 SNGLJUN COMPONENT											
121000000	97010000	96010000	702.40	702.40	44.480	0.20100	1.0000	100	0	3	3
C-122 SNGLJUN COMPONENT											
122000000	97010000	95010000	1034.4	1034.4	65.506	0.20100	0.92039	100	0	9	9
C-123 SNGLJUN COMPONENT											
123000000	114030000	48010000	35.388	54.621	465.55	0.54800	0.25000	100	1	119	119
RD VALVE COMPONENT											
194000000	195020000	193010000	1016.6	1016.6	46.608	0.18800	0.86702	100	1	76	76
C-195 PIPE COMPONENT											
195010000	195010000	195020000	1004.4	1004.4	48.068	0.18800	1.0000	0	0	10	10
C-44-195 SNGLJUN COMPONENT											
196000000	44010000	195010000	1013.0	1013.0	49.868	0.20100	1.0000	100	0	0	0
V-INLET SNGLJUN COMPONENT											

278000000	79010000	178010000	739.89	739.89	111.48	1.70000E-02	1.0000	100	0	0	0
V-INLET SNGLJUN COMPONENT											
298000000	99010000	198010000	737.55	737.55	110.49	1.70000E-02	1.0000	100	0	0	0

JUN.NO.	RHOJFJ (LB/FT3)	RHOGJ (LB/FT3)	MAP	REG	FIJ (LR.S/FT4)	VOIDGJ	VOIDD	VOIDT	CCAJ	FORMFJ	FORMGJ
36010000	53.622	0.57093	HRT	TCT	1.648E+17	0.997	0.941	0.941	0.000	0.00	0.00
36020000	54.451	0.44311	HRT	TCT	1.708E+17	0.997	0.470	0.470	0.000	0.00	0.00
37000000	55.499	0.30827	HRT	MST	1.776E+17	0.998	0.563	0.563	0.000	0.00	0.00
38010000	57.943	0.32068	HRT	CTT	320.	0.774	1.00	1.00	0.106	0.00	0.00
38020000	60.497	0.41615	HRT	CTT	627.	0.366	1.00	1.00	0.583	0.00	0.00
38030000	60.441	0.41968	HRT	CTT	337.	0.374	1.00	1.00	0.889	0.00	0.00
38040000	59.729	0.34281	HRT	CTM	46.8	0.680	1.00	1.00	0.533	0.00	0.00
38050000	56.137	0.24628	HRT	TCT	1.696E+09	0.998	1.00	1.00	7.481E-06	0.00	0.00
38060000	56.160	0.24389	HRT	TST	1.892E+17	0.998	1.00	1.00	8.681E-08	0.00	0.00
39000000	55.291	0.33031	HRT	CTM	25.3	0.998	1.00	1.00	4.145E-07	0.00	0.00
41000000	56.204	0.23964	HRT	MST	1.908E+17	0.998	1.00	1.00	4.674E-10	0.00	0.00
43000000	56.886	0.18816	HRT	MST	1.920E+17	0.999	0.999	0.999	0.000	0.41	0.40
45000000	56.886	0.18816	HRT	MST	1.926E+17	0.999	0.999	0.999	0.000	0.41	0.40
46010000	56.170	0.24330	HRT	MST	1.925E+17	0.998	0.631	0.631	0.000	0.00	0.00
46020000	56.161	0.24413	HRT	MST	1.936E+17	0.999	1.00	1.00	0.000	0.00	0.00
47000000	56.171	0.24325	HRT	MST	1.940E+17	0.999	1.00	1.00	1.398E-08	0.00	0.00
48010000	60.107	7.43563E-02	HRT	CTM	1.60	0.749	1.00	1.00	0.546	0.00	0.00
48020000	60.204	7.21460E-02	HRT	CTM	1.09	0.803	1.00	1.00	0.613	0.00	0.00
48030000	60.264	7.41570E-02	HRT	CTM	0.327	0.862	1.00	1.00	0.646	0.00	0.00
48040000	60.321	7.67956E-02	HRT	TCT	95.5	0.914	1.00	1.00	0.675	0.00	0.00
48050000	60.411	7.10265E-02	HRT	TCT	1.125E+06	0.942	1.00	1.00	0.676	0.00	0.00
48060000	60.517	6.91860E-02	HRT	MST	8.284E+08	0.960	1.00	1.00	0.697	0.00	0.00
48070000	60.639	6.96590E-02	HRT	MST	3.842E+11	0.973	1.00	1.00	0.731	0.00	0.00
48080000	60.777	7.15780E-02	HRT	MST	2.002E+14	0.982	1.00	1.00	0.771	0.00	0.00
49000000	60.932	7.44179E-02	HRT	MST	5.361E+16	0.989	1.00	1.00	0.813	0.00	0.00
50010000	61.116	7.58155E-02	VRT	MST	1.315E+17	0.994	1.00	1.00	0.851	0.00	0.00
50020000	61.299	7.83736E-02	VRT	MST	1.753E+17	0.997	1.00	1.00	0.884	0.00	0.00
50030000	61.460	8.08101E-02	SGP	INV	1.940E+17	0.998	1.00	1.00	0.909	0.00	0.00
50040000	61.574	8.24502E-02	SGP	INV	1.940E+17	0.999	1.00	1.00	0.925	0.00	0.00
51000000	61.638	8.32653E-02	SGP	INV	1.940E+17	0.999	1.00	1.00	0.933	0.00	0.00
53000000	61.666	8.35368E-02	SGP	INV	1.940E+17	0.999	1.00	1.00	0.936	0.00	0.00
54010000	61.682	8.29152E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.937	0.00	0.00
54020000	61.749	7.89427E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.944	0.00	0.00
54030000	61.777	7.75640E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.947	0.00	0.00
54040000	61.786	7.71051E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.947	0.00	0.00
54050000	61.789	7.68418E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54060000	61.792	7.65735E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54070000	61.795	7.62763E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54080000	61.798	7.59514E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54090000	61.802	7.56021E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54100000	61.805	7.52346E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54110000	61.809	7.48588E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54120000	61.812	7.44864E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54130000	61.816	7.41288E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54140000	61.819	7.37956E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54150000	61.822	7.34935E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54160000	61.824	7.32254E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54170000	61.827	7.29931E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54180000	61.829	7.27932E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54190000	61.830	7.26217E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54200000	61.832	7.24740E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54210000	61.833	7.23455E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54220000	61.834	7.22319E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54230000	61.835	7.21295E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00

54240000	61.836	7.20346E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54250000	61.837	7.19441E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54260000	61.838	7.18553E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54270000	61.838	7.17661E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54280000	61.839	7.16753E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54290000	61.840	7.15821E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54300000	61.841	7.14863E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54310000	61.842	7.13883E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54320000	61.843	7.12885E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54330000	61.844	7.11879E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54340000	61.845	7.10879E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54350000	61.846	7.09898E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54360000	61.847	7.08948E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54370000	61.848	7.08033E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00

54700000	61.893	6.62097E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54710000	61.894	6.61021E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54720000	61.895	6.59953E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54730000	61.896	6.58943E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54740000	61.897	6.58045E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54750000	61.898	6.57307E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54760000	61.898	6.56773E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54770000	61.899	6.56471E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54780000	61.899	6.56414E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54790000	61.899	6.56591E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54800000	61.898	6.56970E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54810000	61.898	6.57500E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54820000	61.897	6.58115E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54830000	61.897	6.58746E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00

54840000	61.896	6.59326E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54850000	61.896	6.59802E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54860000	61.895	6.60142E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54870000	61.895	6.60338E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54880000	61.895	6.60399E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54890000	61.895	6.60353E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54900000	61.895	6.60233E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54910000	61.895	6.60072E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54920000	61.895	6.59897E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54930000	61.896	6.59729E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
54940000	61.896	6.59575E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
55000000	61.896	6.59439E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56010000	61.896	6.59276E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56020000	61.896	6.58930E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56030000	61.896	6.58782E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56040000	61.897	6.58657E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56050000	61.897	6.58559E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56060000	61.897	6.58492E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56070000	61.897	6.58456E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56080000	61.897	6.58443E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56090000	61.897	6.58432E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56100000	61.897	6.58406E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56110000	61.897	6.58355E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56120000	61.897	6.58279E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56130000	61.897	6.58188E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56140000	61.897	6.58188E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56150000	61.897	6.58090E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56160000	61.897	6.57999E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56170000	61.897	6.57934E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56180000	61.897	6.57909E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56190000	61.897	6.57907E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56200000	61.897	6.57895E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56210000	61.897	6.57851E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56220000	61.898	6.57781E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56230000	61.898	6.57716E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56240000	61.898	6.57673E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56250000	61.898	6.57649E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56260000	61.898	6.57638E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56270000	61.898	6.57630E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56280000	61.898	6.57604E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56290000	61.898	6.57564E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56300000	61.898	6.57559E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56310000	61.898	6.57626E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56320000	61.898	6.57732E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56330000	61.898	6.57795E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
56340000	61.898	6.57764E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
57000000	61.898	6.57674E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58010000	61.898	6.57603E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58020000	61.898	6.57600E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58030000	61.898	6.57626E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58040000	61.898	6.57648E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58050000	61.898	6.57664E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58060000	61.898	6.57672E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
59000000	61.898	6.57685E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
60010000	61.898	6.57697E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
60020000	61.898	6.57430E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
61000000	61.858	6.72998E-02	SGP	INV	1.940E+17	0.999	1.00	1.00	0.943	0.00	0.00
62010000	61.734	6.57858E-02	VRT	MST	3.121E+16	0.983	1.00	1.00	0.927	0.00	0.00
63000000	61.715	7.02607E-02	HRT	STR	9.702E-04	1.624E-05	0.377	0.377	0.945	0.00	0.00
65000000	61.715	4.13553E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00

67000000	61.715	4.33328E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00
69010000	61.715	4.58169E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00
69020000	61.715	7.36201E-02	SGP	INV	1.940E+17	2.815E-05	0.000	0.000	0.944	0.00	0.00
69030000	61.715	4.73727E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00
70010000	61.715	7.36201E-02	SGP	INV	1.940E+17	2.815E-05	0.000	0.000	0.944	0.00	0.00
70020000	61.715	4.78892E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00
72000000	61.715	7.36201E-02	SGP	INV	1.940E+17	2.815E-05	0.000	0.000	0.944	0.00	0.00
74000000	61.715	7.36201E-02	VRT	SLG	1.203E+16	2.815E-05	0.249	0.249	0.944	0.00	0.00
76010000	53.684	0.57309	HRT	TCT	1.673E+17	0.997	0.941	0.941	0.000	0.00	0.00
76020000	54.536	0.43927	HRT	TCT	1.733E+17	0.998	0.470	0.470	0.000	0.00	0.00
76030000	54.947	0.38081	HRT	TCT	1.764E+17	0.998	0.000	0.000	0.000	0.00	0.00
77000000	55.248	0.34179	HRT	TCT	1.778E+17	0.998	0.998	0.998	0.000	0.00	0.00
78000000	38.817	5.4006	HRT	CTM	0.131E+04	0.972	0.974	0.972	0.000	0.82	0.83
80000000	32.899	8.8620	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00

57000000	61.898	6.57674E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58010000	61.898	6.57603E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58020000	61.898	6.57600E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58030000	61.898	6.57626E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58040000	61.898	6.57648E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58050000	61.898	6.57664E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
58060000	61.898	6.57672E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
59000000	61.898	6.57685E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
60010000	61.898	6.57697E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
60020000	61.898	6.57430E-02	SGP	INV	1.940E+17	1.00	1.00	1.00	0.948	0.00	0.00
61000000	61.858	6.72998E-02	SGP	INV	1.940E+17	0.999	1.00	1.00	0.943	0.00	0.00
62010000	61.734	6.57858E-02	VRT	MST	3.121E+16	0.983	1.00	1.00	0.927	0.00	0.00
63000000	61.715	7.02607E-02	HRT	STP	9.702E-04	1.624E-05	0.377	0.377	0.945	0.00	0.00
65000000	61.715	4.13553E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00

67000000	61.715	4.33328E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00
69010000	61.715	4.58169E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00
69020000	61.715	7.36201E-02	SGP	INV	1.940E+17	2.815E-05	0.000	0.000	0.944	0.00	0.00
69030000	61.715	4.73727E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00
70010000	61.715	7.36201E-02	SGP	INV	1.940E+17	2.815E-05	0.000	0.000	0.944	0.00	0.00
70020000	61.715	4.78892E-02	SGP	INV	1.940E+17	0.000	0.000	0.000	0.000	0.00	0.00
72000000	61.715	7.36201E-02	SGP	INV	1.940E+17	2.815E-05	0.000	0.000	0.944	0.00	0.00
74000000	61.715	7.36201E-02	VRT	SLG	1.203E+16	2.815E-05	0.249	0.249	0.944	0.00	0.00
76010000	53.684	0.57309	HRT	TCT	1.673E+17	0.997	0.941	0.941	0.000	0.00	0.00
76020000	54.536	0.43927	HRT	TCT	1.733E+17	0.998	0.470	0.470	0.000	0.00	0.00
76030000	54.947	0.38081	HRT	TCT	1.764E+17	0.998	0.000	0.000	0.000	0.00	0.00
77000000	55.248	0.34179	HRT	TCT	1.778E+17	0.998	0.998	0.998	0.000	0.00	0.00
78000000	38.817	5.4006	HRT	CTM	0.131E+04	0.972	0.974	0.972	0.000	0.82	0.83
80000000	32.899	8.8620	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
82000000	32.833	8.8722	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
83010000	32.833	8.8722	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
84000000	32.843	8.8730	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
85010000	32.843	8.8730	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
86000000	32.956	8.8584	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
88000000	32.981	8.8585	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
90000000	33.042	8.8541	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
91010000	33.203	8.8392	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
91020000	33.120	8.8507	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
92000000	33.113	8.8691	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
94000000	55.890	0.26933	HRT	MST	1.847E+17	0.998	0.998	0.998	0.000	1.0	2.2
98000000	39.007	5.3001	HRT	CTM	0.573	0.972	0.995	0.972	0.000	0.21	0.84
100000000	33.269	8.8104	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
102000000	33.264	8.8117	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
103010000	33.275	8.8083	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
104000000	33.279	8.8079	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
105010000	33.299	8.8031	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
106000000	33.312	8.8012	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
108000000	33.302	8.8056	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
110000000	33.309	8.8056	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
111010000	33.299	8.8162	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
111020000	33.309	8.8092	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
112000000	33.113	8.8691	SGP	INV	1.940E+17	1.00	1.00	1.00	0.000	0.00	0.00
114010000	56.183	0.24215	HRT	MST	1.271E+17	0.999	1.00	1.00	8.514E-07	0.00	0.00
114020000	56.214	0.24106	HRT	CTM	5.44	0.993	1.00	1.00	6.904E-03	0.00	0.00
119000000	54.820	0.39065	HRT	TCT	1.754E+17	0.998	0.000	0.000	0.000	0.00	0.00
120000000	55.245	0.33746	HRT	TCT	1.777E+17	0.998	0.998	0.998	0.000	0.00	0.00
121000000	56.214	0.24295	HRT	MST	1.837E+17	0.998	0.998	0.998	0.000	0.00	0.00
122000000	56.214	0.24295	HRT	MST	1.862E+17	0.998	0.998	0.998	0.000	6.90E-03	6.34E-0
123000000	59.925	0.27088	HRT	CTT	0.575	0.603	0.730	0.160	0.374	1.8	0.55E+0
194000000	56.837	0.18795	SGP	INV	1.940E+17	0.999	0.999	0.999	2.764E-10	1.8	1.8
195010000	56.747	0.19516	HRT	MST	1.938E+17	0.998	0.483	0.483	0.000	0.00	0.00
196000000	56.886	0.18816	HRT	MST	1.938E+17	0.999	0.999	0.999	0.000	0.00	0.00
278000000	32.891	8.8632	HRT	CTM	1.938E+17	1.00	1.00	1.00	0.000	0.37	0.37
298000000	33.264	8.8121	HRT	CTM	1.466E+17	1.00	1.00	1.00	0.000	0.37	0.37

1 PSV CONTROL VARIABLE EDIT
FUNCTION 1.0000

TIME (SEC)	P 38010000 (LF/IN2)	TEMP 97010000 (DEGF)	P 97010000 (LF/IN2)	TEMP 36010000 (DEGF)	P 36010000 (LF/IN2)	TEMP 96010000 (DEGF)	P 96010000 (LF/IN2)	TEMP 38010000 (DEGF)	P 38010000 (LF/IN2)
5.00000E-02	136.51	331.83	105.66	400.59	248.92	351.47	137.19	295.22	136.51
5.10000E-02	127.17	329.79	102.74	400.91	249.83	347.66	130.57	303.19	127.17
5.20000E-02	118.48	327.81	99.982	401.22	250.71	343.63	123.83	311.91	118.48
5.30000E-02	112.03	325.81	97.252	401.51	251.53	339.30	116.90	320.79	112.03
5.40000E-02	111.06	323.89	94.681	401.77	252.27	335.03	110.37	328.12	111.06
5.50000E-02	115.67	322.36	92.673	401.99	252.93	331.72	105.50	334.47	115.67
5.60000E-02	121.41	321.57	91.645	402.18	253.45	330.30	103.46	339.71	121.41
5.70000E-02	126.50	321.64	91.746	402.31	253.83	331.01	104.48	343.69	126.50
5.80000E-02	130.74	322.44	92.782	402.38	254.02	333.31	107.82	346.73	130.74

196000000	56.806	0.18816	HRT	MST	1.938E+17	0.99	0.999	0.999	0.000	0.00	0.00
278000000	32.891	8.8632	HRT	CTM	1.938E+17	1.00	1.00	1.00	0.000	0.37	0.37
298000000	33.264	8.8121	HRT	CTM	1.466E+17	1.00	1.00	1.00	0.000	0.37	0.37

1 PSV CONTROL VARIABLE EDIT
FUNCTION 1.0000

TIME (SEC)	P 38010000 (LF/IN2)	TEMP 97010000 (DEGF)	P 97010000 (LF/IN2)	TEMP 36010000 (DEGF)	P 36010000 (LF/IN2)	TEMP 96010000 (DEGF)	P 96010000 (LF/IN2)	TEMP 38010000 (DEGF)	P 38010000 (LF/IN2)
5.00000E-02	136.51	331.83	105.66	400.59	248.92	351.47	137.19	295.22	136.51
5.10000E-02	127.17	329.79	102.74	400.91	249.83	347.66	130.57	303.19	127.17
5.20000E-02	118.48	327.81	99.982	401.22	250.71	343.63	123.83	311.91	118.48
5.30000E-02	112.03	325.81	97.252	401.51	251.53	339.30	116.90	320.79	112.03
5.40000E-02	111.06	323.89	94.681	401.77	252.27	335.03	110.37	328.12	111.06
5.50000E-02	115.67	322.36	92.673	401.99	252.93	331.72	105.50	334.47	115.67
5.60000E-02	121.41	321.57	91.645	402.18	253.45	330.30	103.46	339.71	121.41
5.70000E-02	126.50	321.64	91.746	402.31	253.83	331.01	104.48	343.69	126.50
5.80000E-02	130.74	322.44	92.782	402.38	254.02	333.31	107.82	346.73	130.74
5.90000E-02	134.02	323.60	94.298	402.38	254.03	336.07	111.93	348.96	134.02
6.00000E-02	135.87	324.72	95.788	402.31	253.84	338.42	115.53	350.25	135.87
6.10000E-02	136.10	325.50	96.835	402.19	253.49	339.83	117.72	350.54	136.10
6.20000E-02	134.95	325.78	97.210	402.03	253.02	340.11	118.17	349.99	134.95
6.30000E-02	132.40	325.55	96.892	401.83	252.45	339.38	117.01	348.60	132.40
6.40000E-02	128.61	324.90	96.028	401.61	251.82	338.00	114.87	346.42	128.61
6.50000E-02	124.32	324.00	94.827	401.38	251.16	335.92	111.70	343.88	124.32
6.60000E-02	119.57	322.67	93.081	401.15	250.51	332.85	107.15	340.97	119.57
6.70000E-02	116.27	321.16	91.118	400.94	249.91	329.51	102.35	338.88	116.27
6.80000E-02	117.04	319.89	89.502	400.75	249.38	327.05	98.935	339.38	117.04
6.90000E-02	122.88	319.43	88.927	400.60	248.95	327.03	98.907	343.04	122.88
7.00000E-02	130.06	320.20	89.894	400.48	248.62	330.20	103.33	347.37	130.06
7.10000E-02	136.20	321.93	92.114	400.41	248.41	334.99	110.30	350.91	136.20
7.20000E-02	142.02	324.07	94.920	400.38	248.33	339.92	117.87	354.15	142.02
7.30000E-02	147.22	326.32	97.938	400.40	248.38	344.52	125.29	356.96	147.22
7.40000E-02	150.90	328.47	100.89	400.46	248.56	348.45	131.91	358.90	150.90
7.50000E-02	152.49	330.25	103.40	400.56	248.84	351.23	136.77	359.73	152.49
7.60000E-02	151.16	331.34	104.96	400.69	249.20	352.46	138.95	359.04	151.16
7.70000E-02	150.42	331.53	105.23	400.84	249.63	352.08	138.28	358.65	150.42
7.80000E-02	147.77	331.18	104.72	401.01	250.11	351.12	136.57	357.26	147.77
7.90000E-02	143.90	330.42	103.64	401.18	250.59	349.25	133.37	355.18	143.90
8.00000E-02	139.68	329.23	101.95	401.34	251.05	346.68	128.90	352.06	139.68
8.10000E-02	135.37	327.80	99.969	401.48	251.46	343.71	123.96	350.44	135.37
8.20000E-02	131.39	326.33	97.953	401.61	251.82	340.64	119.01	348.15	131.39
8.30000E-02	129.15	324.96	96.107	401.71	252.11	337.82	114.59	346.83	129.15
8.40000E-02	130.54	324.02	94.850	401.78	252.32	336.15	112.05	347.65	130.54
8.50000E-02	136.14	323.93	94.738	401.83	252.45	336.78	113.00	350.87	136.14
8.60000E-02	143.00	324.99	96.151	401.84	252.50	340.02	118.02	354.69	143.00
8.70000E-02	149.25	326.96	98.818	401.83	252.46	344.64	125.49	358.04	149.25
8.80000E-02	155.13	329.30	102.06	401.79	252.35	349.32	133.42	361.09	155.13
8.90000E-02	159.88	331.67	105.44	401.73	252.16	353.60	141.03	363.49	159.88
9.00000E-02	162.78	333.80	108.53	401.65	251.93	356.89	147.09	364.93	162.78
9.10000E-02	163.88	335.30	110.77	401.54	251.64	358.99	151.06	365.47	163.88
9.20000E-02	163.78	336.07	111.93	401.43	251.33	359.78	152.59	365.42	163.78
9.30000E-02	162.91	336.20	112.12	401.32	251.01	359.66	152.39	364.99	162.91
9.40000E-02	161.69	335.90	111.67	401.22	250.70	359.05	151.19	364.39	161.69
9.50000E-02	160.31	335.40	110.91	401.12	250.43	358.22	149.59	363.71	160.31
9.60000E-02	158.33	334.81	110.03	401.04	250.20	357.25	147.75	362.71	158.33
9.70000E-02	155.80	334.12	109.01	400.98	250.03	356.08	145.57	361.43	155.80
9.80000E-02	152.82	333.21	107.68	400.94	249.91	354.37	142.42	359.90	152.82
9.90000E-02	149.92	332.17	106.15	400.92	249.85	352.49	139.02	358.39	149.92

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)
5.00000E-02	333.91	108.70	399.74	246.54	313.41	81.599	212.54	102.71	23.318
5.10000E-02	339.00	116.42	399.85	246.84	315.17	83.686	214.97	105.32	23.433
5.20000E-02	343.12	122.98	399.89	246.95	315.34	83.895	217.80	108.32	23.888
5.30000E-02	346.15	128.01	399.86	246.97	314.69	83.112	221.07	111.09	24.462
5.40000E-02	348.35	131.74	399.77	246.62	313.76	82.038	224.96	114.09	25.110
5.50000E-02	350.09	134.75	399.64	246.24	313.03	81.149	229.53	116.73	25.780
5.60000E-02	351.59	137.41	399.47	245.76	312.48	80.510	234.88	118.05	26.482
5.70000E-02	352.93	139.80	399.26	245.20	312.00	79.954	241.09	118.91	26.124
5.80000E-02	349.49	133.72	399.05	244.59	310.71	78.475	248.17	116.20	28.041
5.90000E-02	341.75	120.77	398.87	243.80					

9.10000E-02	163.88	335.20	110.77	401.54	251.64	358.99	151.06	365.47	163.88
9.20000E-02	163.78	336.07	111.93	401.43	251.33	359.78	152.59	365.42	163.78
9.30000E-02	162.91	336.20	112.12	401.32	251.01	359.68	152.39	364.99	162.91
9.40000E-02	161.69	335.90	111.67	401.22	250.70	359.05	151.19	364.39	161.69
9.50000E-02	160.31	335.40	110.91	401.12	250.43	358.22	149.59	363.71	160.31
9.60000E-02	158.33	334.81	110.03	401.04	250.20	357.25	147.75	362.71	158.33
9.70000E-02	155.80	334.12	109.01	400.98	250.03	356.08	145.57	361.43	155.80
9.80000E-02	152.82	333.21	107.68	400.94	249.91	354.37	142.42	359.90	152.82
9.90000E-02	149.92	332.17	106.15	400.92	249.85	352.49	139.02	358.39	149.92

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)
5.00000E-02	333.91	108.70	399.74	246.54	313.41	81.599	212.54	102.71	23.318
5.10000E-02	339.00	116.42	399.85	246.84	315.17	83.686	214.97	105.32	23.433
5.20000E-02	343.12	122.98	399.89	246.95	315.34	83.895	217.80	108.32	23.888
5.30000E-02	346.15	128.01	399.86	246.87	314.69	83.112	221.07	111.09	24.462
5.40000E-02	348.35	131.74	399.77	246.62	313.78	82.038	224.96	114.09	25.110
5.50000E-02	350.09	134.75	399.64	246.24	313.03	81.149	229.53	116.73	25.795
5.60000E-02	351.59	137.41	399.47	245.76	312.48	80.510	234.88	118.05	26.482
5.70000E-02	352.93	139.80	399.26	245.20	312.00	79.954	241.09	118.91	26.124
5.80000E-02	349.49	133.72	399.05	244.59	310.71	78.475	248.17	116.20	28.041
5.90000E-02	341.75	120.77	398.83	243.98	310.18	77.871	256.59	116.41	26.063
6.00000E-02	339.41	117.06	398.63	243.42	312.39	80.405	265.86	111.93	27.647
6.10000E-02	340.37	118.57	398.46	242.95	314.37	82.731	275.94	105.66	28.127
6.20000E-02	339.72	117.55	398.33	242.60	314.09	82.405	287.22	103.33	23.737
6.30000E-02	336.38	112.39	398.25	242.38	312.09	80.055	298.39	99.590	24.317
6.40000E-02	333.22	107.68	398.22	242.29	309.93	77.588	309.31	97.039	26.103
6.50000E-02	331.61	105.34	398.24	242.34	308.10	75.538	318.92	99.187	26.980
6.60000E-02	331.64	105.39	398.30	242.52	306.58	73.873	325.63	103.70	28.105
6.70000E-02	332.84	107.13	398.41	242.80	305.53	72.750	329.97	107.62	29.396
6.80000E-02	334.96	110.26	398.54	243.17	305.55	72.762	333.48	111.84	30.803
6.90000E-02	337.87	114.67	398.69	243.60	306.84	74.158	336.93	116.51	32.272
7.00000E-02	341.58	120.51	398.86	244.05	308.81	76.334	339.95	120.80	33.752
7.10000E-02	345.89	127.57	399.02	244.51	310.80	78.577	342.66	124.82	35.230
7.20000E-02	348.35	131.75	399.17	244.92	312.14	80.116	345.18	128.70	36.724
7.30000E-02	341.99	121.16	399.29	245.27	312.53	80.570	347.70	132.74	38.260
7.40000E-02	338.63	115.85	399.39	245.54	316.42	85.194	350.12	136.69	39.879
7.50000E-02	339.10	116.57	399.45	245.72	322.02	92.236	351.48	138.87	41.530
7.60000E-02	340.71	119.12	399.48	245.81	326.95	98.794	355.07	145.22	43.298
7.70000E-02	342.58	122.11	399.48	245.81	329.77	102.72	354.23	143.46	44.856
7.80000E-02	344.69	125.56	399.45	245.72	330.40	103.61	352.18	139.62	45.844
7.90000E-02	348.19	131.46	399.39	245.55	331.32	104.92	349.06	133.99	46.171
8.00000E-02	353.28	140.43	399.31	245.33	332.92	107.24	346.48	129.46	46.068
8.10000E-02	358.01	149.21	399.21	245.05	333.34	107.86	345.88	128.34	45.914
8.20000E-02	360.25	153.50	399.10	244.75	331.66	105.41	348.25	132.29	46.241
8.30000E-02	360.40	153.79	398.99	244.44	328.98	101.61	352.06	138.88	47.313
8.40000E-02	360.43	153.85	398.89	244.15	326.79	98.579	355.91	145.80	49.102
8.50000E-02	362.38	157.66	398.80	243.90	325.70	97.103	358.57	150.70	51.257
8.60000E-02	364.68	162.56	398.73	243.71	324.89	96.021	359.66	152.72	53.308
8.70000E-02	363.54	160.26	398.69	243.58	323.95	94.754	360.05	153.39	55.027
8.80000E-02	364.60	162.40	398.67	243.52	325.07	96.258	360.94	155.07	56.637
8.90000E-02	357.69	149.71	398.67	243.53	325.33	96.601	362.07	157.25	58.525
9.00000E-02	346.25	131.95	398.70	243.61	327.97	100.20	362.29	157.63	61.001
9.10000E-02	340.26	127.36	398.74	243.74	332.59	106.77	361.48	156.01	62.501
9.20000E-02	337.30	128.12	398.81	243.92	335.61	111.23	358.97	151.11	66.805
9.30000E-02	339.11	134.26	398.89	244.14	337.12	113.52	354.63	142.96	65.424
9.40000E-02	345.59	145.18	398.97	244.37	336.90	113.26	351.06	136.51	64.607
9.50000E-02	352.16	151.96	399.06	244.61	335.00	110.31	349.77	134.23	63.213
9.60000E-02	357.23	171.56	399.14	244.84	331.54	105.24	348.31	131.71	62.451
9.70000E-02	360.24	178.82	399.21	245.04	327.45	99.484	347.44	130.21	62.463
9.80000E-02	357.97	179.91	399.26	245.20	323.37	93.990	347.38	130.10	62.542
9.90000E-02	348.22	173.67	399.31	245.31	319.64	69.186	347.91	130.98	62.829

TIME (SEC)	P 114020000 (LF/IN2)	RHO 114020000 (LF/FT3)	TEMP 48010000 (DEGF)	TEMP 48010000 (DEGF)	P 52010000 (LF/IN2)	TEMP 52010000 (DEGF)	P 52010000 (LF/IN2)	TEMP 52010000 (DEGF)	P 52010000 (LF/IN2)
5.00000E-02	107.49	0.60947	200.79	171.26	12.9.3	123.41	18.769	123.41	18.769
5.10000E-02	109.30	0.54286	202.90	173.76	18.793	124.55	18.792	124.55	18.792
5.20000E-02	111.16	0.49304	207.41	175.92	18.655	126.06	18.751	126.06	18.751
5.30000E-02	114.35	0.45857	205.01	177.81	18.545	128.25	18.740	128.25	18.740
5.40000E-02	117.38	0.43470	206.11	179.49	18.475	130.84	18.683	130.84	18.683
5.50000E-02	119.91	0.41806	208.05	181.00	18.447	133.85	18.643	133.85	18.643
5.60000E-02	121.90	0.40669	211.00	182.37	18.475	137.06	18.593	137.06	18.593
5.70000E-02	123.38	0.39625	214.00	183.64	18.512	140.30	18.542	140.30	18.542

9.10000E-02	340.26	127.76	398.74	243.74	333.59	106.77	361.48	156.01	62.501
9.20000E-02	337.30	128.12	398.81	243.92	333.61	111.23	358.97	151.11	66.805
9.30000E-02	339.11	134.26	398.89	244.14	337.12	113.52	354.63	142.96	65.424
9.40000E-02	345.59	145.18	398.97	244.37	336.95	113.26	351.06	136.51	64.607
9.50000E-02	352.16	159.96	399.06	244.61	335.00	110.31	349.77	134.23	63.213
9.60000E-02	357.23	171.56	399.14	244.84	331.54	105.24	348.31	131.71	62.451
9.70000E-02	360.24	178.82	399.21	245.04	327.45	99.484	347.44	130.21	62.463
9.80000E-02	357.97	179.91	399.26	245.20	323.37	93.990	347.38	130.10	62.542
9.90000E-02	348.22	173.67	399.31	245.31	319.64	89.186	347.91	130.98	62.829

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)
5.00000E-02	107.49	0.60947	200.79	171.26	18.943	123.41	18.769	123.41	18.769
5.10000E-02	109.30	0.54286	202.00	173.76	18.793	124.55	18.792	124.55	18.792
5.20000E-02	111.36	0.49304	203.41	175.92	18.655	126.06	18.751	126.06	18.751
5.30000E-02	114.35	0.45857	205.01	177.81	18.545	128.25	18.740	128.25	18.740
5.40000E-02	117.38	0.43470	206.81	179.49	18.475	130.84	18.683	130.84	18.683
5.50000E-02	119.91	0.41806	208.85	181.00	18.447	133.85	18.643	133.85	18.643
5.60000E-02	121.90	0.40669	211.17	182.37	18.475	137.06	18.593	137.06	18.593
5.70000E-02	123.34	0.39895	213.56	183.64	18.580	140.35	18.536	140.35	18.536
5.80000E-02	124.06	0.39313	216.88	184.84	18.797	143.64	18.489	143.64	18.489
5.90000E-02	124.05	0.38795	220.10	186.03	19.180	146.84	18.454	146.84	18.454
6.00000E-02	121.16	0.37645	224.36	187.12	19.552	149.52	18.429	149.52	18.429
6.10000E-02	114.74	0.35707	228.38	187.92	19.574	152.86	18.420	152.86	18.420
6.20000E-02	109.06	0.34028	230.19	188.58	19.462	155.65	18.429	155.65	18.429
6.30000E-02	105.30	0.32838	233.38	189.25	19.420	158.29	18.454	158.29	18.454
6.40000E-02	102.33	0.31860	237.60	189.87	19.342	160.79	18.497	160.79	18.497
6.50000E-02	100.05	0.30981	240.75	190.42	19.172	163.16	18.559	163.16	18.559
6.60000E-02	100.30	0.30520	243.93	190.99	19.047	165.41	18.638	165.41	18.638
6.70000E-02	103.82	0.30519	247.13	191.60	18.975	167.53	18.732	167.53	18.732
6.80000E-02	106.82	0.30308	250.27	192.20	18.883	169.51	18.839	169.51	18.839
6.90000E-02	109.68	0.30324	253.29	192.81	18.783	171.36	18.953	171.36	18.953
7.00000E-02	113.94	0.30890	256.13	193.47	18.713	173.07	19.069	173.07	19.069
7.10000E-02	119.03	0.31798	258.81	194.16	18.663	174.63	19.176	174.63	19.176
7.20000E-02	124.39	0.32872	261.39	194.90	18.615	176.04	19.266	176.04	19.266
7.30000E-02	129.89	0.34072	263.92	195.68	18.575	177.31	19.330	177.31	19.330
7.40000E-02	134.26	0.35031	266.49	196.52	18.553	178.44	19.362	178.44	19.362
7.50000E-02	135.40	0.35102	269.01	197.43	18.548	179.44	19.355	179.44	19.355
7.60000E-02	129.46	0.34145	271.60	198.42	18.559	180.32	19.301	180.32	19.301
7.70000E-02	131.75	0.34985	273.84	199.50	18.586	181.08	19.178	181.08	19.178
7.80000E-02	134.03	0.35667	275.23	200.68	18.637	181.68	18.941	181.68	18.941
7.90000E-02	134.96	0.35961	275.71	202.00	18.717	182.31	18.788	182.31	18.788
8.00000E-02	135.62	0.36219	275.54	203.46	18.829	182.99	18.729	182.99	18.729
8.10000E-02	136.77	0.36679	275.41	205.09	18.977	183.55	18.544	183.55	18.544
8.20000E-02	138.64	0.37394	275.87	206.93	19.169	184.17	18.475	184.17	18.475
8.30000E-02	141.71	0.38427	277.32	209.00	19.411	184.92	18.574	184.92	18.574
8.40000E-02	145.32	0.39559	279.66	211.32	19.710	185.61	18.618	185.61	18.618
8.50000E-02	148.61	0.40574	282.40	213.92	20.080	186.22	18.570	186.22	18.570
8.60000E-02	151.57	0.41454	284.92	216.81	20.550	186.87	18.577	186.87	18.577
8.70000E-02	154.54	0.42315	286.98	219.98	21.147	187.60	18.669	187.60	18.669
8.80000E-02	156.92	0.43019	288.85	223.43	21.904	188.32	18.735	188.32	18.735
8.90000E-02	157.92	0.43376	290.99	227.14	22.854	189.01	18.749	189.01	18.749
9.00000E-02	158.13	0.43529	293.72	231.12	24.040	189.74	18.786	189.74	18.786
9.10000E-02	155.61	0.42958	295.33	235.43	25.517	190.54	18.864	190.54	18.864
9.20000E-02	150.23	0.41688	299.74	240.16	27.343	191.38	18.938	191.38	18.938
9.30000E-02	144.28	0.40259	298.37	245.40	29.550	192.26	18.988	192.26	18.988
9.40000E-02	138.89	0.38945	297.52	251.12	32.042	193.23	19.060	193.23	19.060
9.50000E-02	135.41	0.38111	296.11	257.43	34.999	194.36	19.185	194.36	19.185
9.60000E-02	132.99	0.37531	295.32	263.26	38.483	195.63	19.312	195.63	19.312
9.70000E-02	131.41	0.37167	295.33	269.91	42.177	197.13	19.467	197.13	19.467
9.80000E-02	131.04	0.37105	295.42	275.11	45.706	198.94	19.676	198.94	19.676
9.90000E-02	131.56	0.37266	295.73	279.36	49.825	201.14	19.923	201.14	19.923

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)
5.00000E-02	135.05	15.609	125.32	14.703	105.66	119.58	0.31293	341.00	0.34649
5.10000E-02	137.98	15.799	125.32	14.702	102.74	116.05	0.30497	338.76	0.33698
5.20000E-02	139.00	15.976	125.31	14.702	99.982	112.74	0.29743	336.61	0.32803
5.30000E-02	140.58	16.121	125.34	14.706	97.252	109.47	0.28995	334.43	0.31918
5.40000E-02	141.79	16.232	125.44	14.715	94.681	106.27	0.28290	332.25	0.31052
5.50000E-02	142.76	16.323	125.51	14.721	92.673	103.57	0.27741	330.37	0.30321
5.60000E-02	143.61	16.403	125.54	14.723	91.645	101.94	0.27462	329.22	0.29680
5.70000E-02	144.36	16.474	125.57	14.725	91.766	101.67	0.27400	328.82	0.29687

9.10000E-02	155.61	0.42855	295.33	235.43	25.517	190.54	18.864	190.54	18.864
9.20000E-02	150.23	0.41688	299.74	240.16	27.343	191.38	18.938	191.38	18.938
9.30000E-02	144.28	0.40259	298.37	245.40	29.550	192.26	18.988	192.26	18.988
9.40000E-02	138.89	0.38945	297.52	251.12	32.042	193.23	19.060	193.23	19.060
9.50000E-02	135.41	0.38111	296.11	257.43	34.999	194.36	19.185	194.36	19.185
9.60000E-02	132.99	0.37531	295.32	263.86	38.493	195.63	19.312	195.63	19.312
9.70000E-02	131.41	0.37167	295.33	269.91	42.177	197.13	19.467	197.13	19.467
9.80000E-02	131.04	0.37105	295.42	275.11	45.706	198.94	19.676	198.94	19.676
9.90000E-02	131.56	0.37266	295.73	279.36	48.825	201.14	19.923	201.14	19.923

TIME (SEC)	TEMP 54500000 (DEGF)	P 54500000 (LB/IN2)	TEMP 60010000 (DEGF)	P 60010000 (LB/IN2)	P 97010000 (LB/IN2)	P 95010000 (LB/IN2)	RHO 97010000 (LB/FT3)	TEMP 95010000 (DEGF)	RHO 95010000 (LB/FT3)
5.00000E-02	135.05	15.609	125.32	14.703	105.66	119.58	0.31293	341.00	0.34649
5.10000E-02	137.08	15.799	125.32	14.702	102.74	116.05	0.30497	338.76	0.33698
5.20000E-02	139.00	15.976	125.31	14.702	99.982	112.74	0.29743	336.61	0.32803
5.30000E-02	140.58	16.121	125.34	14.706	97.252	109.47	0.28995	334.43	0.31918
5.40000E-02	141.79	16.232	125.44	14.715	94.681	106.27	0.28290	332.25	0.31052
5.50000E-02	142.76	16.323	125.51	14.721	92.673	103.57	0.27741	330.37	0.30321
5.60000E-02	143.61	16.403	125.54	14.723	91.645	101.94	0.27462	329.22	0.29880
5.70000E-02	144.36	16.474	125.57	14.725	91.746	101.67	0.27496	329.02	0.29807
5.80000E-02	145.00	16.534	125.60	14.728	92.782	102.66	0.27788	329.73	0.30077
5.90000E-02	145.50	16.580	125.60	14.727	94.298	104.40	0.28210	330.95	0.30548
6.00000E-02	145.92	16.621	125.58	14.725	95.788	106.26	0.28623	332.24	0.31053
6.10000E-02	146.40	16.671	125.57	14.725	96.835	107.69	0.28911	333.23	0.31443
6.20000E-02	147.15	16.753	125.58	14.726	97.210	108.37	0.29015	333.68	0.31628
6.30000E-02	148.42	16.889	125.59	14.727	96.892	108.20	0.28928	333.57	0.31587
6.40000E-02	150.37	17.095	125.61	14.729	96.028	107.29	0.28693	332.95	0.31349
6.50000E-02	152.98	17.366	125.63	14.731	94.827	106.00	0.28364	332.07	0.31006
6.60000E-02	155.93	17.666	125.65	14.732	93.081	104.08	0.27884	330.73	0.30490
6.70000E-02	158.72	17.945	125.67	14.734	91.118	101.74	0.27343	329.08	0.29861
6.80000E-02	160.95	18.163	125.69	14.736	89.502	99.610	0.26898	327.54	0.29286
6.90000E-02	162.47	18.308	125.71	14.739	88.927	98.518	0.26745	326.74	0.28994
7.00000E-02	163.35	18.389	125.74	14.741	89.894	99.216	0.27022	327.25	0.29188
7.10000E-02	163.74	18.422	125.75	14.741	92.114	101.63	0.27640	329.00	0.29845
7.20000E-02	163.76	18.417	125.74	14.741	94.920	104.94	0.28414	331.33	0.30740
7.30000E-02	163.52	18.387	125.73	14.739	97.938	108.55	0.29240	333.91	0.31711
7.40000E-02	163.11	18.340	125.72	14.739	100.89	112.13	0.30043	336.20	0.32670
7.50000E-02	162.60	18.285	125.73	14.740	103.40	115.29	0.30717	338.27	0.33513
7.60000E-02	162.06	18.227	125.74	14.741	104.96	117.45	0.31131	339.66	0.34088
7.70000E-02	161.52	18.169	125.76	14.743	105.23	118.15	0.31195	340.10	0.34267
7.80000E-02	160.98	18.112	125.79	14.745	104.72	117.70	0.31051	339.82	0.34141
7.90000E-02	160.46	18.058	125.82	14.749	103.64	116.60	0.30752	339.11	0.33842
8.00000E-02	159.96	18.006	125.88	14.754	101.95	114.77	0.30291	337.93	0.33348
8.10000E-02	159.51	17.959	125.96	14.762	99.969	112.45	0.29749	336.42	0.32727
8.20000E-02	159.10	17.917	126.07	14.773	97.953	110.03	0.29199	334.80	0.32074
8.30000E-02	158.75	17.881	126.21	14.785	96.107	107.72	0.28695	333.24	0.31453
8.40000E-02	158.47	17.852	126.35	14.798	94.850	105.94	0.28355	332.02	0.30974
8.50000E-02	158.23	17.828	126.49	14.810	94.738	105.37	0.28332	331.63	0.30824
8.60000E-02	158.05	17.809	126.62	14.821	96.151	106.58	0.28730	332.46	0.31156
8.70000E-02	157.92	17.796	126.73	14.831	98.818	109.47	0.29469	334.43	0.31938
8.80000E-02	157.84	17.788	126.83	14.840	102.06	113.23	0.30357	336.93	0.32950
8.90000E-02	157.80	17.784	126.93	14.850	105.44	117.23	0.31277	339.52	0.34023
9.00000E-02	157.80	17.783	127.06	14.862	108.53	121.02	0.32110	341.91	0.35039
9.10000E-02	157.82	17.785	127.24	14.880	110.77	123.89	0.32709	343.67	0.35806
9.20000E-02	157.87	17.789	127.50	14.904	111.93	125.57	0.33017	344.69	0.36256
9.30000E-02	157.91	17.792	127.84	14.937	112.12	126.04	0.33064	344.98	0.36383
9.40000E-02	157.94	17.794	128.29	14.979	111.67	125.67	0.32942	344.75	0.36284
9.50000E-02	157.95	17.793	128.87	15.034	110.91	124.84	0.32738	344.25	0.36065
9.60000E-02	157.92	17.789	129.59	15.103	110.03	123.86	0.32501	343.65	0.35805
9.70000E-02	157.85	17.780	130.51	15.190	109.01	122.72	0.32224	342.95	0.35501
9.80000E-02	157.75	17.768	131.67	15.301	107.68	121.29	0.31863	342.07	0.35118
9.90000E-02	157.59	17.751	133.11	15.439	106.15	119.58	0.31450	341.00	0.34658

TIME (SEC)	MFLOWJ 11402000 (LB/SEC)	MFLOWJ 94000000 (LB/SEC)	TEMP 114030000 (DEGF)	P 114030000 (LB/IN2)	P 114020000 (LB/IN2)	P 48010000 (LB/IN2)	P 195020000 (LB/IN2)	TEMP 195020000 (DEGF)	MFLOWJ 194000000 (LB/SEC)
5.00000E-02	43.169	66.548	212.54	102.71	107.49	23.318	83.453	314.97	46.608
5.10000E-02	40.871	64.624	214.97	105.32	109.30	23.433	87.309	318.14	48.602
5.20000E-02	39.051	62.827	217.80	108.32	111.36	23.888	90.538	320.70	50.384
5.30000E-02	38.530	61.048	221.07	111.09	114.35	24.462	93.486	322.98	52.080
5.40000E-02	39.299	59.288	224.96	114.08	117.39	25.110	96.051	324.92	53.594
5.50000E-02	40.524	57.750	229.53	116.73	119.91	25.785	98.315	326.60	54.944
5.60000E-02	42.020	56.750	234.88	118.05	121.90	26.482	100.40	328.11	56.191

VOL.NO.	PRESSURE (LBF/IN2)	INT. ENERGY (RTU/LP)	STATIC QUAL.	NONCOND VAPOR QUAL.	EGU. QUAL.	VOIDG	TEMPF (DEGF)	TEMPG (DEGF)	TEMPE (DEGF)	VOL. FLAG
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9.10000E-02	31.027	68.373	361.48	156.01	156.61	62.501	112.98	336.77	63.008
9.20000E-02	27.556	69.373	358.97	151.11	150.23	66.805	111.63	335.87	61.915
9.30000E-02	28.230	69.712	354.63	142.96	144.28	65.424	110.78	335.31	61.268
9.40000E-02	31.711	69.567	351.06	136.51	138.89	64.607	109.97	334.77	60.755
9.50000E-02	33.382	69.159	349.77	134.23	135.41	63.213	109.07	334.16	60.258
9.60000E-02	36.062	68.652	348.31	131.71	132.99	62.451	108.41	333.72	59.945
9.70000E-02	39.439	68.057	347.44	130.21	131.41	62.463	108.31	333.64	60.005
9.80000E-02	42.872	67.315	347.38	130.10	131.04	62.542	108.86	334.02	60.508
9.90000E-02	45.714	66.403	347.91	130.98	131.56	62.829	109.40	334.38	61.104

ATTEMPTED ADV: TOT.=	562	EDIT=	200	MIN.DT=	2.500000E-04 SEC	LAST DT=	2.500000E-04 SEC	MS.ERR=	-17.1937	LB	
REPEATED ADV: TOT.=	52	EDIT=	0	MAX.DT=	2.500000E-04 SEC	CRNT.DT=	4.029490E-04 SEC	TOT.MS=	38947.0	LB	
SUCCESSFUL ADV: TOT.=	510	EDIT=	200	AVG.DT=	2.500000E-04 SEC	ERR.EST=	1.306471E-04	M.RATN=	-4.414656E-04		
REQUESTED ADV: TOT.=	100	EDIT=	50	REQ.DT=	1.000000E-03 SEC	CPU=	127.169	SEC	TIME=	0.100000	SEC

TRIP NUMBER, TRIP TIME (SEC)

505	-1.0000	506	1.45000E-02	507	-1.0000	508	1.97500E-02	509	-1.0000
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VOL.NO.	PRESSURE (LBF/IN2)	INT. ENERGY (RTU/LP)	STATIC QUAL.	NONCOND VAPOR QUAL.	EGU. QUAL.	VOIDG	TEMPF (DEGF)	TEMPG (DEGF)	TEMPE (DEGF)	VOL. FLAG
C-001	TMDPVOL COMPONENT									
1010000	2696.2	1013.6	1.0000	0.00000	1.0000	1.0000	679.32	679.32	679.32	10
C-36	PIPE COMPONENT									
36010000	249.85	959.97	0.80677	0.00000	0.78959	0.55744	400.92	371.62	400.92	10
36020000	197.46	946.51	0.78980	0.00000	0.78023	0.99782	380.73	362.68	380.73	10
36030000	176.00	939.59	0.78063	0.00000	0.77535	0.99798	371.24	360.77	371.24	10
C-38	PIPE COMPONENT									
38010000	147.71	941.28	0.78383	4.55223E-09	0.78378	0.99837	357.22	357.10	357.22	0
38020000	147.60	943.21	0.78647	2.22581E-06	0.78628	0.99839	357.16	356.77	357.16	0
38030000	148.11	761.12	0.55375	5.41866E-04	0.55371	0.99524	357.38	357.24	357.38	0
38040000	148.66	332.39	3.44399E-02	4.14235E-03	2.28492E-02	0.85313	337.81	350.92	346.90	0
38050000	177.19	235.99	7.23026E-03	3.83284E-03	4.55590E-03	0.46589	264.56	329.00	266.91	0
38060000	218.92	212.47	4.67662E-03	3.86108E-03	4.20524E-03	0.27713	243.55	285.84	244.00	0
38070000	193.24	229.15	4.74083E-03	3.95726E-03	4.53159E-03	0.30015	260.14	275.09	260.33	0
C-40	SNGLVOL COMPONENT									
40010000	149.19	940.19	0.78203	0.00000	0.78203	0.99833	358.00	358.00	358.00	0
C-42	SNGLVOL COMPONENT									
42010000	167.95	313.15	2.69288E-02	8.27556E-03	1.87558E-02	0.78911	328.48	347.13	335.01	0
C-44	BRANCH COMPONENT									
44010000	85.720	909.09	0.76742	0.00000	0.76249	0.99893	316.85	304.87	316.85	0
C-46	PIPE COMPONENT									
46010000	132.06	938.40	0.78403	0.00000	0.78403	0.99854	348.53	348.54	348.53	0
46020000	133.62	936.00	0.78062	0.00000	0.78058	0.99850	349.44	349.37	349.44	0
46030000	133.25	936.35	0.78116	0.00000	0.78112	0.99850	349.22	349.14	349.22	0
C-48	PIPE COMPONENT									
48010000	63.033	814.37	0.65890	7.02121E-05	0.65891	0.99868	295.94	295.95	295.94	0
48020000	58.201	760.97	0.59827	1.01785E-04	0.59827	0.99842	290.72	290.73	290.72	0
48030000	56.902	705.63	0.53329	1.37285E-04	0.53329	0.99799	289.26	289.27	289.26	0
48040000	56.241	642.54	0.45870	1.70842E-04	0.45870	0.99732	288.50	288.50	288.50	0
48050000	55.589	554.89	0.35495	1.84270E-04	0.35495	0.99592	287.74	287.74	287.74	0
48060000	53.992	438.96	0.21880	1.53819E-04	0.21878	0.99225	285.83	285.86	285.86	0
48070000	53.327	356.29	0.12156	1.18901E-04	0.12137	0.98462	284.87	285.06	285.06	0
48080000	51.203	294.10	5.13087E-02	8.55099E-05	5.05389E-02	0.96301	281.76	282.45	282.43	0
48090000	45.619	254.57	1.61582E-02	8.85046E-05	1.28408E-02	0.89839	271.98	275.07	274.79	0
C-50	PIPE COMPONENT									
50010000	36.845	230.88	6.17438E-03	1.50819E-04	3.12106E-03	0.80343	257.06	261.38	259.68	0
50020000	30.410	215.34	3.90377E-03	3.06800E-04	2.14409E-03	0.75229	243.77	248.09	245.31	0
50030000	25.731	203.95	1.34771E-03	7.37447E-04	3.74524E-03	0.79266	232.47	234.95	233.00	0
50040000	22.701	194.71	7.14152E-03	1.99495E-03	6.89763E-03	0.87121	221.94	223.06	222.16	0
50050000	21.065	187.54	1.31381E-02	5.15051E-03	1.29516E-02	0.92729	212.22	212.92	212.40	0
C-52	SNGLVOL COMPONENT									
52010000	20.287	180.04	1.78095E-02	8.72008E-03	1.75575E-02	0.94487	203.65	204.49	203.89	0
C-54	PIPE COMPONENT									
54010000	19.628	175.68	2.55673E-02	1.42445E-02	2.54353E-02	0.96105	197.12	197.52	197.25	0
54020000	19.330	173.36	3.33188E-02	1.99686E-02	3.32456E-02	0.96980	192.79	192.99	192.86	0
54030000	19.179	172.59	4.22259E-02	2.65298E-02	4.21854E-02	0.97601	189.67	189.77	189.71	0
54040000	19.102	172.50	5.22077E-02	3.40179E-02	5.21764E-02	0.98051	187.04	187.11	187.07	0
54050000	19.090	172.06	6.15131E-02	4.14113E-02	6.14793E-02	0.98336	184.55	184.63	184.59	0
54060000	19.116	169.67	6.54541E-02	4.54571E-02	6.54209E-02	0.98419	182.04	182.12	182.07	0
54070000	18.605	165.64	6.52903E-02	4.63923E-02	6.52899E-02	0.98438	178.83	178.83	178.83	0

54080000	18.412	163.16	7.14472E-02	5.21782E-02	7.14441E-02	0.98576	175.66	175.67	175.66	0
54090000	18.297	161.76	8.43724E-02	6.14759E-02	8.43726E-02	0.98797	172.15	172.15	172.15	0
54100000	18.203	161.21	0.10517	8.16039E-02	0.10517	0.99043	168.12	168.13	168.13	0
54110000	18.112	161.52	0.13586	0.10872	0.13586	0.99273	163.56	163.55	163.55	0
54120000	18.032	162.88	0.17909	0.14765	0.17909	0.99467	158.49	158.50	158.49	0
54130000	17.960	165.54	0.23772	0.20147	0.23772	0.99621	153.05	153.05	153.05	0
54140000	17.903	169.76	0.31389	0.27262	0.31389	0.99737	147.40	147.42	147.41	0
54150000	17.856	175.65	0.40743	0.36130	0.40744	0.99822	141.82	141.82	141.82	0
54160000	17.819	182.99	0.51417	0.46370	0.51417	0.99883	136.55	136.58	136.55	0
54170000	17.786	191.19	0.62548	0.57144	0.62548	0.99925	131.89	131.84	131.89	0
54180000	17.751	199.31	0.73043	0.67373	0.73044	0.99953	128.03	128.06	128.03	0
54190000	17.714	207.44	0.83551	0.77599	0.83551	0.99972	124.18	124.17	124.18	0

50020000	20.410	215.34	3.90377E-03	3.06800E-04	2.14408E-03	0.75229	243.77	248.09	245.31	0
50030000	25.731	203.95	4.34771E-03	7.37447E-04	3.7452E-03	0.79266	232.47	234.95	233.00	0
50040000	22.701	194.71	7.14152E-03	1.99495E-03	6.8976E-03	0.87121	221.94	223.06	222.16	0
50050000	21.065	187.54	1.31381E-02	5.15051E-03	1.29516E-02	0.92729	212.22	212.92	212.40	0
C-52	SNGLVOL	COMPONENT								
52010000	20.287	180.04	1.78095E-02	8.72008E-03	1.75575E-02	0.94487	203.65	204.49	203.89	0
C-54	PIPE	COMPONENT								
54010000	19.628	175.68	2.55673E-02	1.42445E-02	2.54353E-02	0.96105	197.12	197.52	197.25	0
54020000	19.330	173.36	3.33188E-02	1.99686E-02	3.32456E-02	0.96980	192.79	192.99	192.86	0
54030000	19.179	172.59	4.22259E-02	2.65298E-02	4.21854E-02	0.97601	189.67	189.77	189.71	0
54040000	19.102	172.50	5.22077E-02	3.40179E-02	5.21764E-02	0.98051	187.04	187.11	187.07	0
54050000	19.090	172.06	6.15131E-02	4.14113E-02	6.14793E-02	0.98336	184.55	184.63	184.59	0
54060000	19.116	169.67	6.54541E-02	4.54571E-02	6.54209E-02	0.98419	182.04	182.12	182.07	0
54070000	18.605	165.64	6.52903E-02	4.63923E-02	6.52899E-02	0.98438	178.83	178.83	178.83	0

54080000	18.412	163.16	7.14472E-02	5.21782E-02	7.14441E-02	0.98576	175.66	175.67	175.66	0
54090000	18.297	161.76	8.43724E-02	6.34759E-02	8.43726E-02	0.98797	172.15	172.15	172.15	0
54100000	18.203	161.21	0.10517	8.16039E-02	0.10517	0.99043	168.12	168.13	168.13	0
54110000	18.112	161.52	0.13586	0.10872	0.13586	0.99273	163.56	163.55	163.55	0
54120000	18.032	162.88	0.17909	0.14765	0.17909	0.99467	158.49	158.50	158.49	0
54130000	17.960	165.54	0.23772	0.20147	0.23772	0.99621	153.05	153.05	153.05	0
54140000	17.903	169.76	0.31389	0.27262	0.31389	0.99737	147.40	147.42	147.41	0
54150000	17.856	175.65	0.40743	0.36130	0.40744	0.99822	141.82	141.82	141.82	0
54160000	17.819	182.99	0.51417	0.46370	0.51417	0.99883	136.55	136.58	136.55	0
54170000	17.786	191.19	0.62548	0.57144	0.62548	0.99925	131.89	131.84	131.89	0
54180000	17.761	199.31	0.73043	0.67373	0.73044	0.99953	128.03	128.06	128.03	0
54190000	17.734	206.44	0.81951	0.76096	0.81951	0.99972	125.04	125.07	125.04	0
54200000	17.706	212.04	0.88781	0.82808	0.88781	0.99983	122.88	122.91	122.88	0
54210000	17.683	216.01	0.93565	0.87522	0.93565	0.99991	121.42	121.42	121.42	0
54220000	17.674	218.63	0.96672	0.90588	0.96673	0.99995	120.51	120.57	120.51	0
54230000	17.674	220.25	0.98571	0.92460	0.98571	0.99998	119.98	119.98	119.98	0
54240000	17.661	221.18	0.99671	0.93547	0.99671	0.99999	119.65	119.65	119.65	0
54250000	17.640	220.94	0.99999	0.94152	1.00000	1.00000	117.91	130.25	119.06	0
54260000	17.628	220.44	1.00000	0.94480	1.00000	1.00000	115.92	143.46	143.46	0
54270000	17.609	220.17	1.00000	0.94648	1.00000	1.00000	114.83	150.11	150.11	0
54280000	17.598	220.03	1.00000	0.94730	1.00000	1.00000	114.29	153.37	153.37	0
54290000	17.596	219.97	1.00000	0.94768	1.00000	1.00000	114.03	154.91	154.91	0
54300000	17.594	219.94	1.00000	0.94786	1.00000	1.00000	113.91	155.60	155.60	0
54310000	17.593	219.92	1.00000	0.94794	1.00000	1.00000	113.86	155.87	155.87	0
54320000	17.591	219.91	1.00000	0.94797	1.00000	1.00000	113.83	155.98	155.98	0
54330000	17.590	219.90	1.00000	0.94799	1.00000	1.00000	113.82	156.02	156.02	0
54340000	17.592	219.91	1.00000	0.94799	1.00000	1.00000	113.82	156.06	156.06	0
54350000	17.595	219.91	1.00000	0.94799	1.00000	1.00000	113.83	156.09	156.09	0
54360000	17.600	219.92	1.00000	0.94799	1.00000	1.00000	113.84	156.14	156.14	0
54370000	17.606	219.93	1.00000	0.94800	1.00000	1.00000	113.85	156.19	156.19	0
54380000	17.612	219.94	1.00000	0.94800	1.00000	1.00000	113.86	156.26	156.26	0
54390000	17.620	219.95	1.00000	0.94800	1.00000	1.00000	113.88	156.34	156.34	0
54400000	17.629	219.97	1.00000	0.94800	1.00000	1.00000	113.90	156.43	156.43	0
54410000	17.639	219.99	1.00000	0.94800	1.00000	1.00000	113.92	156.53	156.53	0
54420000	17.649	220.01	1.00000	0.94800	1.00000	1.00000	113.94	156.64	156.64	0
54430000	17.660	220.03	1.00000	0.94800	1.00000	1.00000	113.96	156.74	156.74	0
54440000	17.670	220.05	1.00000	0.94800	1.00000	1.00000	113.98	156.85	156.85	0
54450000	17.681	220.06	1.00000	0.94800	1.00000	1.00000	114.00	156.95	156.95	0
54460000	17.691	220.08	1.00000	0.94800	1.00000	1.00000	114.02	157.05	157.05	0
54470000	17.701	220.10	1.00000	0.94800	1.00000	1.00000	114.04	157.14	157.14	0
54480000	17.711	220.12	1.00000	0.94800	1.00000	1.00000	114.06	157.24	157.24	0
54490000	17.721	220.13	1.00000	0.94800	1.00000	1.00000	114.08	157.32	157.32	0
54500000	17.730	220.15	1.00000	0.94800	1.00000	1.00000	114.10	157.40	157.40	0
54510000	17.739	220.16	1.00000	0.94800	1.00000	1.00000	114.11	157.48	157.48	0
54520000	17.747	220.17	1.00000	0.94800	1.00000	1.00000	114.13	157.55	157.55	0
54530000	17.755	220.19	1.00000	0.94800	1.00000	1.00000	114.15	157.62	157.62	0
54540000	17.762	220.20	1.00000	0.94800	1.00000	1.00000	114.16	157.68	157.68	0
54550000	17.768	220.21	1.00000	0.94800	1.00000	1.00000	114.17	157.73	157.73	0
54560000	17.774	220.22	1.00000	0.94800	1.00000	1.00000	114.18	157.78	157.78	0
54570000	17.779	220.22	1.00000	0.94800	1.00000	1.00000	114.19	157.82	157.82	0
54580000	17.784	220.23	1.00000	0.94800	1.00000	1.00000	114.20	157.86	157.86	0
54590000	17.788	220.24	1.00000	0.94800	1.00000	1.00000	114.21	157.90	157.90	0
54600000	17.792	220.24	1.00000	0.94800	1.00000	1.00000	114.22	157.93	157.93	0
54610000	17.795	220.25	1.00000	0.94800	1.00000	1.00000	114.22	157.95	157.95	0
54620000	17.797	220.25	1.00000	0.94800	1.00000	1.00000	114.23	157.97	157.97	0
54630000	17.799	220.25	1.00000	0.94800	1.00000	1.00000	114.23	157.99	157.99	0
54640000	17.801	220.25	1.00000	0.94800	1.00000	1.00000	114.24	158.00	158.00	0
54650000	17.802	220.26	1.00000	0.94800	1.00000	1.00000	114.24	158.00	158.00	0
54660000	17.803	220.26	1.00000	0.94800	1.00000	1.00000	114.24	158.00	158.00	0
54670000	17.804	220.26	1.00000	0.94800	1.00000	1.00000	114.24	158.00	158.00	0

54680000	17.805	220.26	1.00000	0.94800	1.00000	1.00000	114.24	158.00	158.00	0
54690000	17.806	220.25	1.00000	0.94800	1.00000	1.00000	114.25	158.00	158.00	0
54700000	17.806	220.25	1.00000	0.94800	1.00000	1.00000	114.25	157.99	157.99	0
54710000	17.807	220.25	1.00000	0.94800	1.00000	1.00000	114.25	157.99	157.99	0
54720000	17.807	220.25	1.00000	0.94800	1.00000	1.00000	114.25	157.99	157.99	0
54730000	17.808	220.25	1.00000	0.94800	1.00000	1.00000	114.25	157.99	157.99	0
54740000	17.808	220.26	1.00000	0.94800	1.00000	1.00000	114.25	158.00	158.00	0
54750000	17.809	220.26	1.00000	0.94800	1.00000	1.00000	114.25	158.00	158.00	0
54760000	17.810	220.26	1.00000	0.94800	1.00000	1.00000	114.25	158.01	158.01	0
54770000	17.811	220.26	1.00000	0.94800	1.00000	1.00000	114.26	158.02	158.02	0
54780000	17.813	220.26	1.00000	0.94800	1.00000	1.00000	114.26	158.04	158.04	0
54790000	17.814	220.27	1.00000	0.94800	1.00000	1.00000	114.26	158.04	158.04	0

50020000	30.410	215.34	3.90377E-03	3.06800E-04	2.14408E-03	0.75229	243.77	248.09	245.31	0
50030000	25.731	203.95	4.34771E-03	7.37447E-04	3.74524E-03	0.79266	232.47	234.95	233.00	0
50040000	22.701	194.71	7.14152E-03	1.99495E-03	6.89763E-03	0.87121	221.94	223.06	222.16	0
50050000	21.065	187.54	1.31381E-02	5.15051E-03	1.29516E-02	0.92729	212.22	212.92	212.40	0
C-52	SNGLVOL	COMPONENT								
52010000	20.287	180.04	1.78095E-02	8.72008E-03	1.75575E-02	0.94487	203.65	204.49	203.89	0
C-54	PIPE	COMPONENT								
54010000	19.628	175.68	2.55673E-02	1.42445E-02	2.54353E-02	0.96105	197.12	197.52	197.25	0
54020000	19.330	173.36	3.33188E-02	1.99686E-02	3.32456E-02	0.96980	192.79	192.99	192.86	0
54030000	19.179	172.59	4.22259E-02	2.65298E-02	4.21854E-02	0.97601	189.67	189.77	189.71	0
54040000	19.102	172.50	5.22077E-02	3.40179E-02	5.21764E-02	0.98051	187.04	187.11	187.07	0
54050000	19.090	172.06	6.15131E-02	4.14113E-02	6.14793E-02	0.98336	184.55	184.63	184.59	0
54060000	19.116	169.67	6.54541E-02	4.54571E-02	6.54209E-02	0.98419	182.04	182.12	182.07	0
54070000	18.605	165.64	6.52903E-02	4.63923E-02	6.52899E-02	0.98438	178.83	178.83	178.83	0

54080000	18.412	163.16	7.14472E-02	5.21782E-02	7.14441E-02	0.98576	175.66	175.67	175.66	0
54090000	18.297	161.76	8.43724E-02	6.34759E-02	8.43726E-02	0.98797	172.15	172.15	172.15	0
54100000	18.203	161.21	0.10517	8.16039E-02	0.10517	0.99043	168.12	168.13	168.13	0
54110000	18.112	161.52	0.13586	0.10872	0.13586	0.99273	163.56	163.55	163.55	0
54120000	18.032	162.88	0.17909	0.14765	0.17909	0.99467	158.49	158.50	158.49	0
54130000	17.960	165.54	0.23772	0.20147	0.23772	0.99621	153.05	153.05	153.05	0
54140000	17.903	169.76	0.31389	0.27262	0.31389	0.99737	147.40	147.42	147.41	0
54150000	17.856	175.65	0.40743	0.36130	0.40744	0.99822	141.82	141.82	141.82	0
54160000	17.819	182.99	0.51417	0.46370	0.51417	0.99883	136.55	136.58	136.55	0
54170000	17.786	191.19	0.62548	0.57144	0.62548	0.99925	131.89	131.84	131.89	0
54180000	17.761	199.31	0.73043	0.67373	0.73044	0.99953	128.03	128.06	128.03	0
54190000	17.734	206.44	0.81951	0.76096	0.81951	0.99972	125.04	125.07	125.04	0
54200000	17.706	212.04	0.88781	0.82808	0.88781	0.99983	122.88	122.91	122.88	0
54210000	17.683	216.01	0.93565	0.87522	0.93565	0.99991	121.42	121.42	121.42	0
54220000	17.674	218.63	0.96672	0.90588	0.96673	0.99995	120.51	120.57	120.51	0
54230000	17.674	220.25	0.98571	0.92460	0.98571	0.99998	119.98	119.98	119.98	0
54240000	17.661	221.18	0.99671	0.93547	0.99671	0.99999	119.65	119.65	119.65	0
54250000	17.640	220.94	0.99999	0.94152	1.00000	1.00000	117.91	130.25	119.06	0
54260000	17.628	220.44	1.00000	0.94480	1.00000	1.00000	115.92	143.46	143.46	0
54270000	17.609	220.17	1.00000	0.94648	1.00000	1.00000	114.83	150.11	150.11	0
54280000	17.598	220.03	1.00000	0.94730	1.00000	1.00000	114.29	153.37	153.37	0
54290000	17.596	219.97	1.00000	0.94768	1.00000	1.00000	114.03	154.91	154.91	0
54300000	17.594	219.94	1.00000	0.94786	1.00000	1.00000	113.91	155.60	155.60	0
54310000	17.593	219.92	1.00000	0.94794	1.00000	1.00000	113.86	155.87	155.87	0
54320000	17.591	219.91	1.00000	0.94797	1.00000	1.00000	113.83	155.98	155.98	0
54330000	17.590	219.90	1.00000	0.94799	1.00000	1.00000	113.82	156.02	156.02	0
54340000	17.592	219.91	1.00000	0.94799	1.00000	1.00000	113.82	156.06	156.06	0
54350000	17.595	219.91	1.00000	0.94799	1.00000	1.00000	113.83	156.09	156.09	0
54360000	17.600	219.92	1.00000	0.94799	1.00000	1.00000	113.84	156.14	156.14	0
54370000	17.606	219.93	1.00000	0.94800	1.00000	1.00000	113.85	156.19	156.19	0
54380000	17.612	219.94	1.00000	0.94800	1.00000	1.00000	113.86	156.26	156.26	0
54390000	17.620	219.95	1.00000	0.94800	1.00000	1.00000	113.88	156.34	156.34	0
54400000	17.629	219.97	1.00000	0.94800	1.00000	1.00000	113.90	156.43	156.43	0
54410000	17.639	219.99	1.00000	0.94800	1.00000	1.00000	113.92	156.53	156.53	0
54420000	17.649	220.01	1.00000	0.94800	1.00000	1.00000	113.94	156.64	156.64	0
54430000	17.660	220.03	1.00000	0.94800	1.00000	1.00000	113.96	156.74	156.74	0
54440000	17.670	220.05	1.00000	0.94800	1.00000	1.00000	113.98	156.85	156.85	0
54450000	17.681	220.06	1.00000	0.94800	1.00000	1.00000	114.00	156.95	156.95	0
54460000	17.691	220.08	1.00000	0.94800	1.00000	1.00000	114.02	157.05	157.05	0
54470000	17.701	220.10	1.00000	0.94800	1.00000	1.00000	114.04	157.14	157.14	0
54480000	17.711	220.12	1.00000	0.94800	1.00000	1.00000	114.06	157.24	157.24	0
54490000	17.721	220.13	1.00000	0.94800	1.00000	1.00000	114.08	157.32	157.32	0
54500000	17.730	220.15	1.00000	0.94800	1.00000	1.00000	114.10	157.40	157.40	0
54510000	17.739	220.16	1.00000	0.94800	1.00000	1.00000	114.11	157.48	157.48	0
54520000	17.747	220.17	1.00000	0.94800	1.00000	1.00000	114.13	157.55	157.55	0
54530000	17.755	220.19	1.00000	0.94800	1.00000	1.00000	114.15	157.62	157.62	0
54540000	17.762	220.20	1.00000	0.94800	1.00000	1.00000	114.16	157.68	157.68	0
54550000	17.768	220.21	1.00000	0.94800	1.00000	1.00000	114.17	157.73	157.73	0
54560000	17.774	220.22	1.00000	0.94800	1.00000	1.00000	114.18	157.78	157.78	0
54570000	17.779	220.22	1.00000	0.94800	1.00000	1.00000	114.19	157.82	157.82	0
54580000	17.784	220.23	1.00000	0.94800	1.00000	1.00000	114.20	157.86	157.86	0
54590000	17.788	220.24	1.00000	0.94800	1.00000	1.00000	114.21	157.90	157.90	0
54600000	17.792	220.24	1.00000	0.94800	1.00000	1.00000	114.22	157.93	157.93	0
54610000	17.795	220.25	1.00000	0.94800	1.00000	1.00000	114.22	157.95	157.95	0
54620000	17.797	220.25	1.00000	0.94800	1.00000	1.00000	114.23	157.97	157.97	0
54630000	17.799	220.25	1.00000	0.94800	1.00000	1.00000	114.23	157.99	157.99	0
54640000	17.801	220.25	1.00000	0.94800	1.00000	1.00000	114.24	158.00	158.00	0
54650000	17.802	220.26	1.00000	0.94800	1.00000	1.00000	114.24	158.00	158.00	0
54660000	17.803	220.26	1.00000	0.94800	1.00000	1.00000	114.24	158.00	158.00	0
54670000	17.804	220.26	1.00000	0.94800	1.00000	1.00000	114.24	158.00	158.00	0

54680000	17.805	220.26	1.00000	0.94800	1.00000	1.00000	114.24	158.00	158.00	0
54690000	17.806	220.25	1.00000	0.94800	1.00000	1.00000	114.25	158.00	158.00	0
54700000	17.806	220.25	1.00000	0.94800	1.00000	1.00000	114.25	157.99	157.99	0
54710000	17.807	220.25	1.00000	0.94800	1.00000	1.00000	114.25	157.99	157.99	0
54720000	17.807	220.25	1.00000	0.94800	1.00000	1.00000	114.25	157.99	157.99	0
54730000	17.808	220.25	1.00000	0.94800	1.00000	1.00000	114.25	157.99	157.99	0
54740000	17.808	220.26	1.00000	0.94800	1.00000	1.00000	114.25	158.00	158.00	0
54750000	17.809	220.26	1.00000	0.94800	1.00000	1.00000	114.25	158.00	158.00	0
54760000	17.810	220.26	1.00000	0.94800	1.00000	1.00000	114.25	158.01	158.01	0
54770000	17.811	220.26	1.00000	0.94800	1.00000	1.00000	114.26	158.02	158.02	0
54780000	17.811	220.26	1.00000	0.94800	1.00000	1.00000	114.26	158.04	158.04	0
54790000	17.811	220.27	1.00000	0.94800	1.00000	1.00000	114.26	158.04	158.04	0