APPENDIX NO. 18

Boiler Surface Cleanliness Factors (K_f's) During Both Lamar and Western Coal Firing Tests

Figures 1 through 15 show the individual boiler component K_f's for both the Lamar and Western coal firing tests. Figures 1-10 and 11-15 contain the Lamar and Western coal test results respectively. These detailed figures include steam flow versus component K_f's for reburn out of service, reburn in service and 1990 baseline data conditions. A summary of these results is available in Section 7.0 of this report.

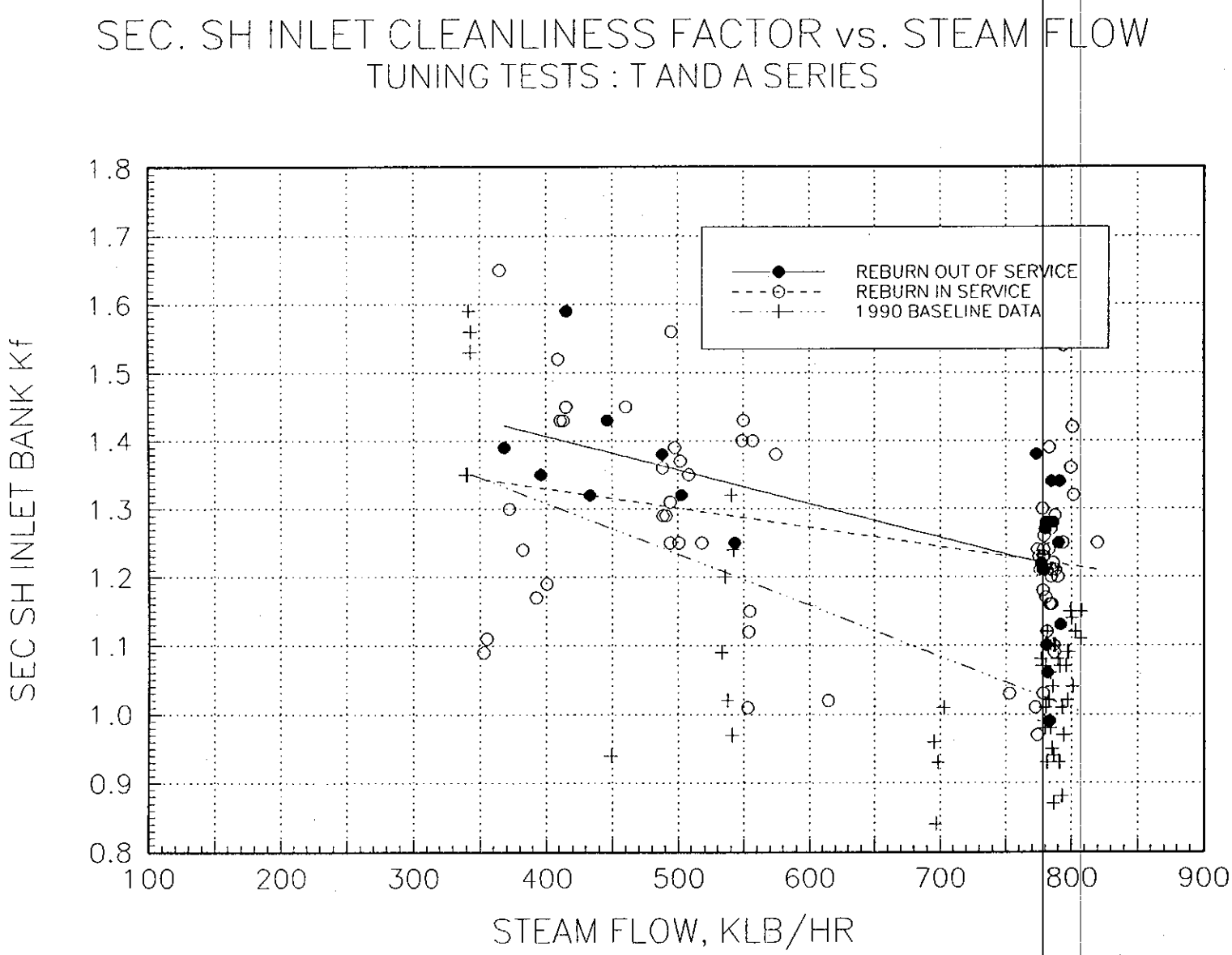
SEC. SH INLET CLEANLINESS FACTOR vs. STEAM FLOW
TUNING TESTS : T AND A SERIES
REBURN OUT OF SERVICE
REBURN IN SERVICE
1990 BASELINE DATA
SEC SH INLET BANK Kf
STEAM FLOW, KLB/HR
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
100
200
300
400
500
600
700
800
900

FIGURE 1

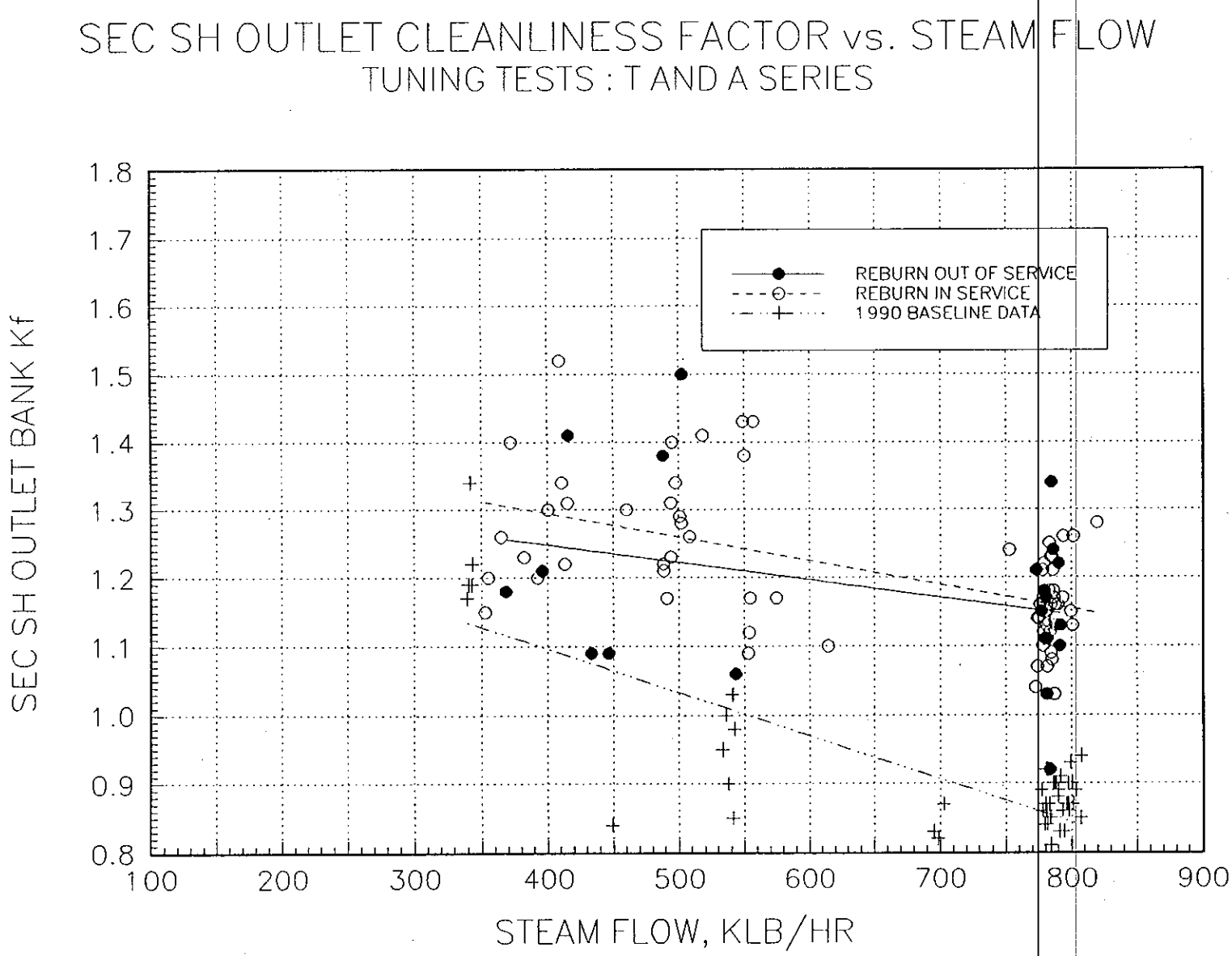
SEC SH OUTLET CLEANLINESS FACTOR vs. STEAM FLOW
TUNING TESTS : T AND A SERIES
REBURN OUT OF SERVICE
REBURN IN SERVICE
1990 BASELINE DATA
SEC SH OUTLET BANK Kf
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
100
200
300
400
500
600
700
800
900
STEAM FLOW, KLB/HR

FIGURE 2

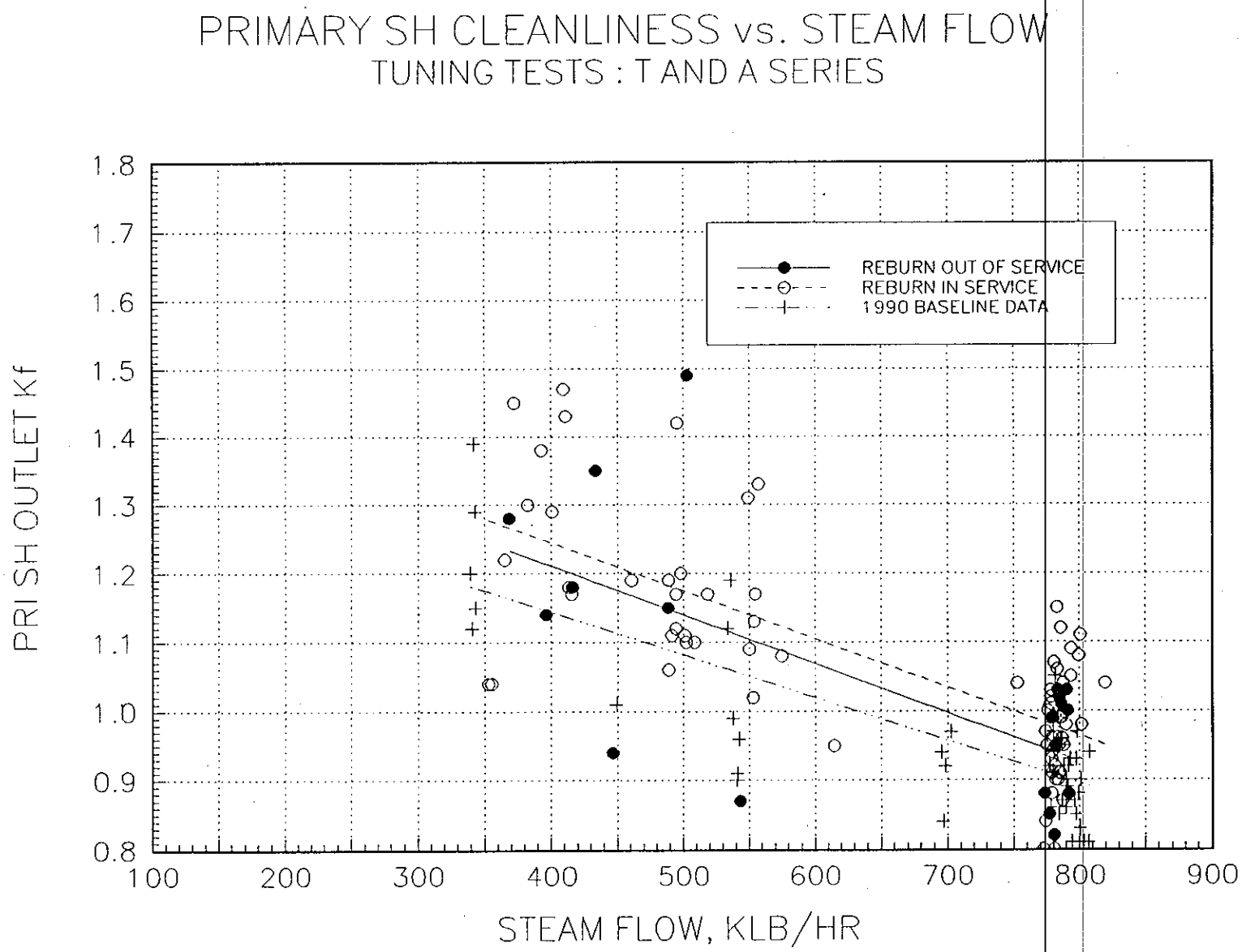
PRIMARY SH CLEANLINESS vs. STEAM FLOW
TUNING TESTS : T AND A SERIES
REBURN OUT OF SERVICE
REBURN IN SERVICE
1990 BASELINE DATA
PRI SH OUTLET Kf
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
100
200
300
400
500
600
700
800
900
STEAM FLOW, KLB/HR

FIGURE 3

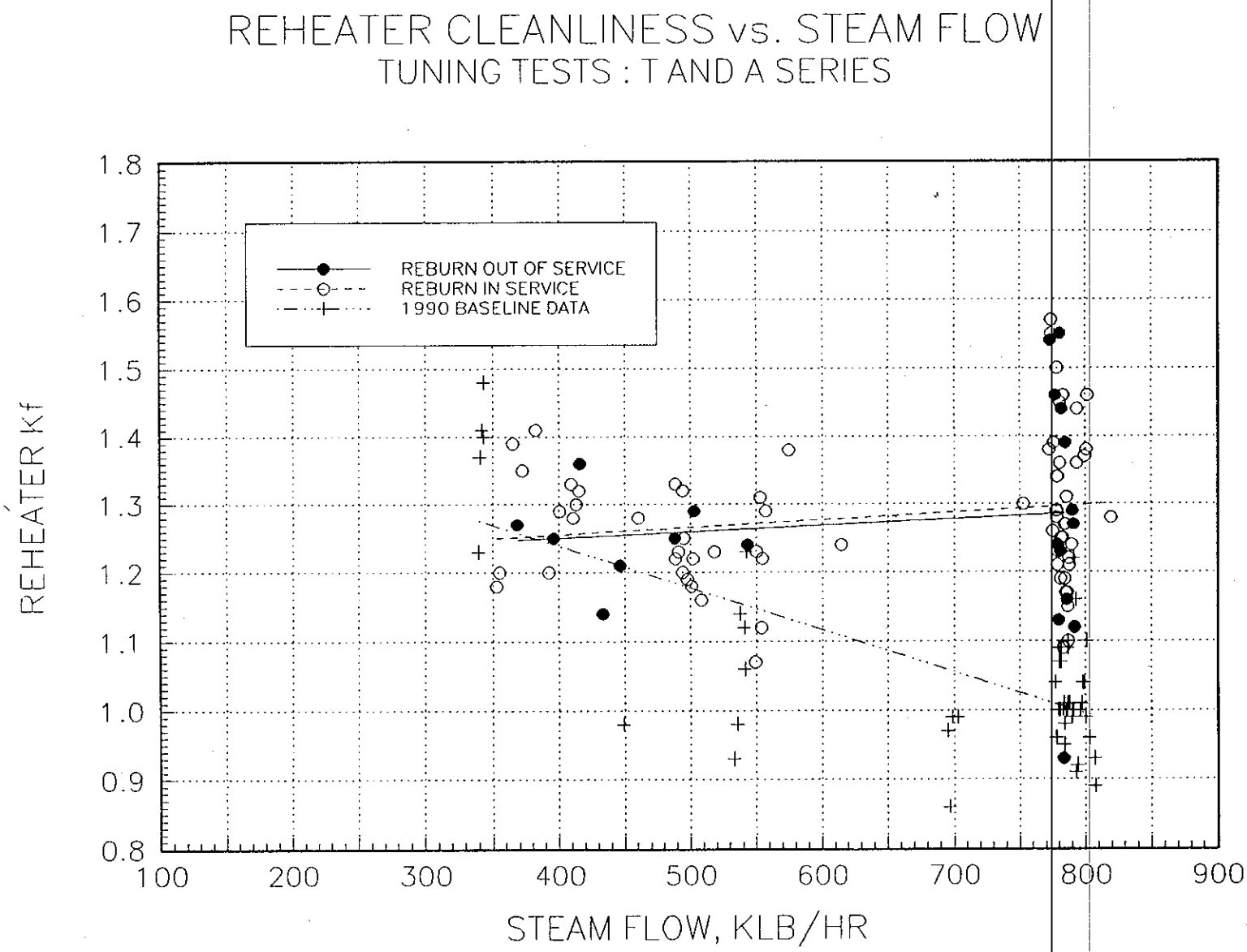
REHEATER CLEANLINESS vs. STEAM FLOW
TUNING TESTS : T AND A SERIES
REBURN OUT OF SERVICE
REBURN IN SERVICE
1990 BASELINE DATA
REHEATER Kf
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
100
200
300
400
500
600
700
800
900
STEAM FLOW, KLB/HR

FIGURE 4

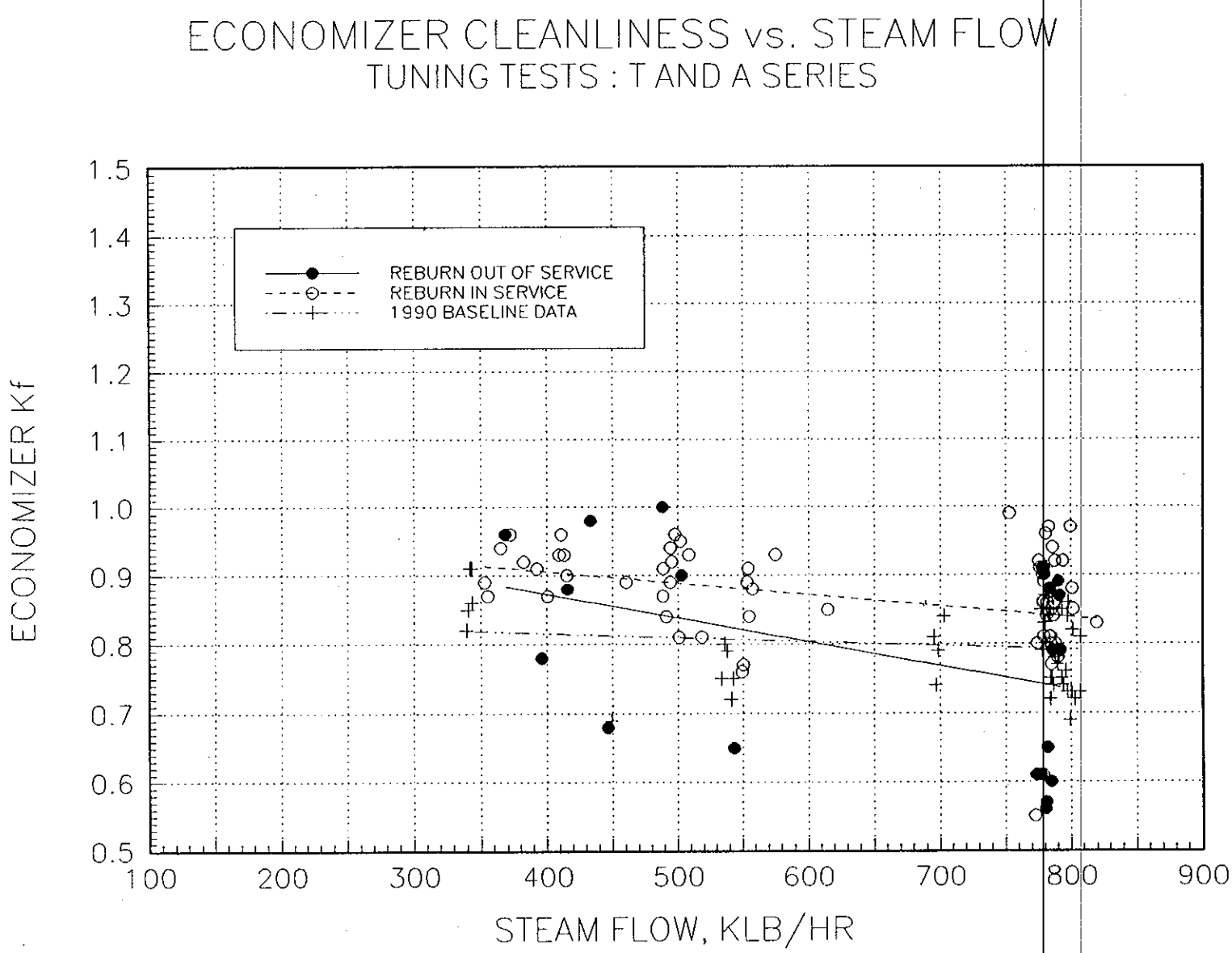
ECONOMIZER CLEANLINESS vs. STEAM FLOW
TUNING TESTS : T AND A SERIES
REBURN OUT OF SERVICE
REBURN IN SERVICE
1990 BASELINE DATA
ECONOMIZER Kf
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
100
200
300
400
500
600
700
800
900
STEAM FLOW, KLB/HR

FIGURE 5

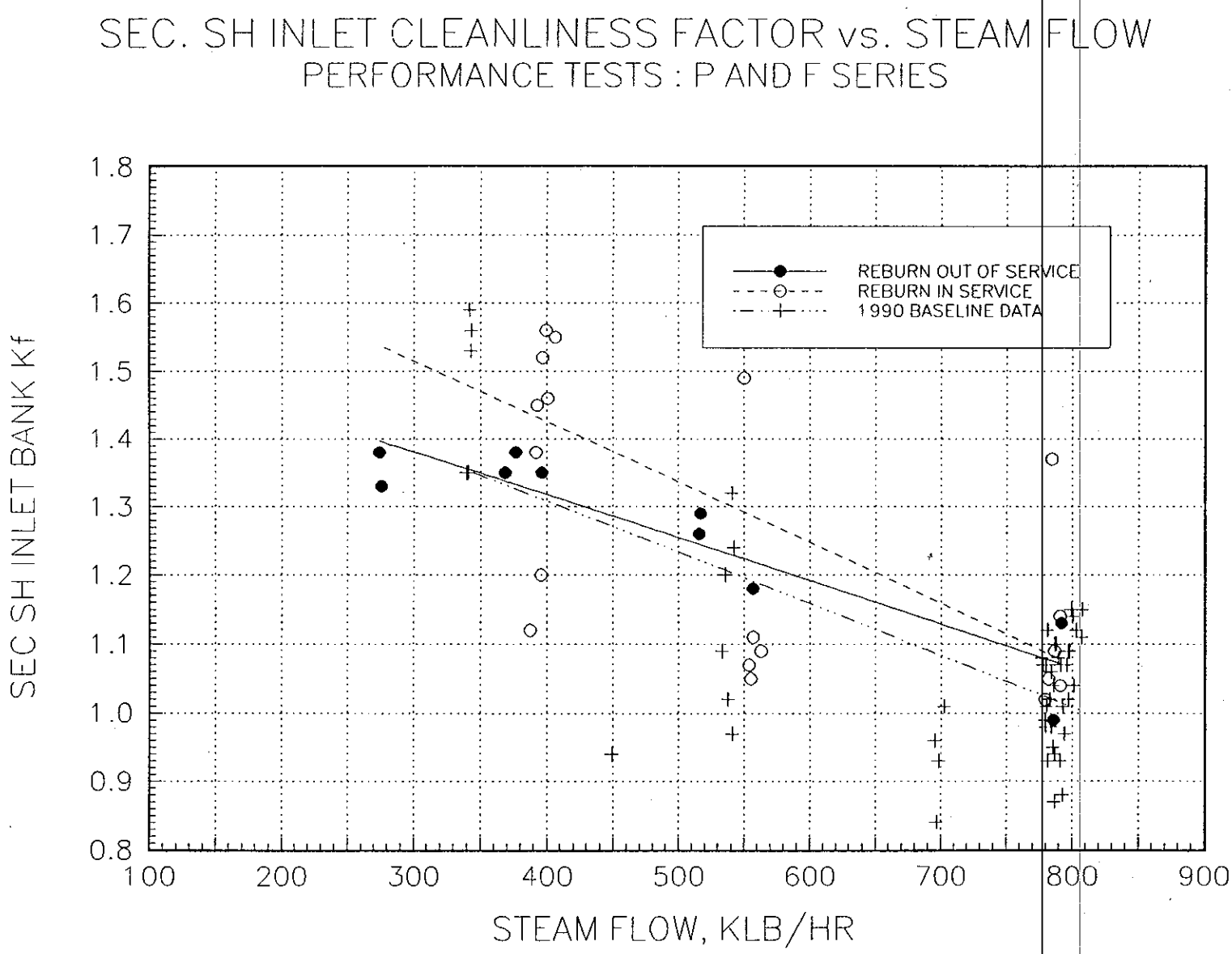
SEC. SH INLET CLEANLINESS FACTOR vs. STEAM FLOW
PERFORMANCE TESTS : P AND F SERIES
REBURN OUT OF SERVICE
REBURN IN SERVICE
1990 BASELINE DATA
SEC SH INLET BANK Kf
STEAM FLOW, KLB/HR
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
100
200
300
400
500
600
700
800
900

FIGURE 6

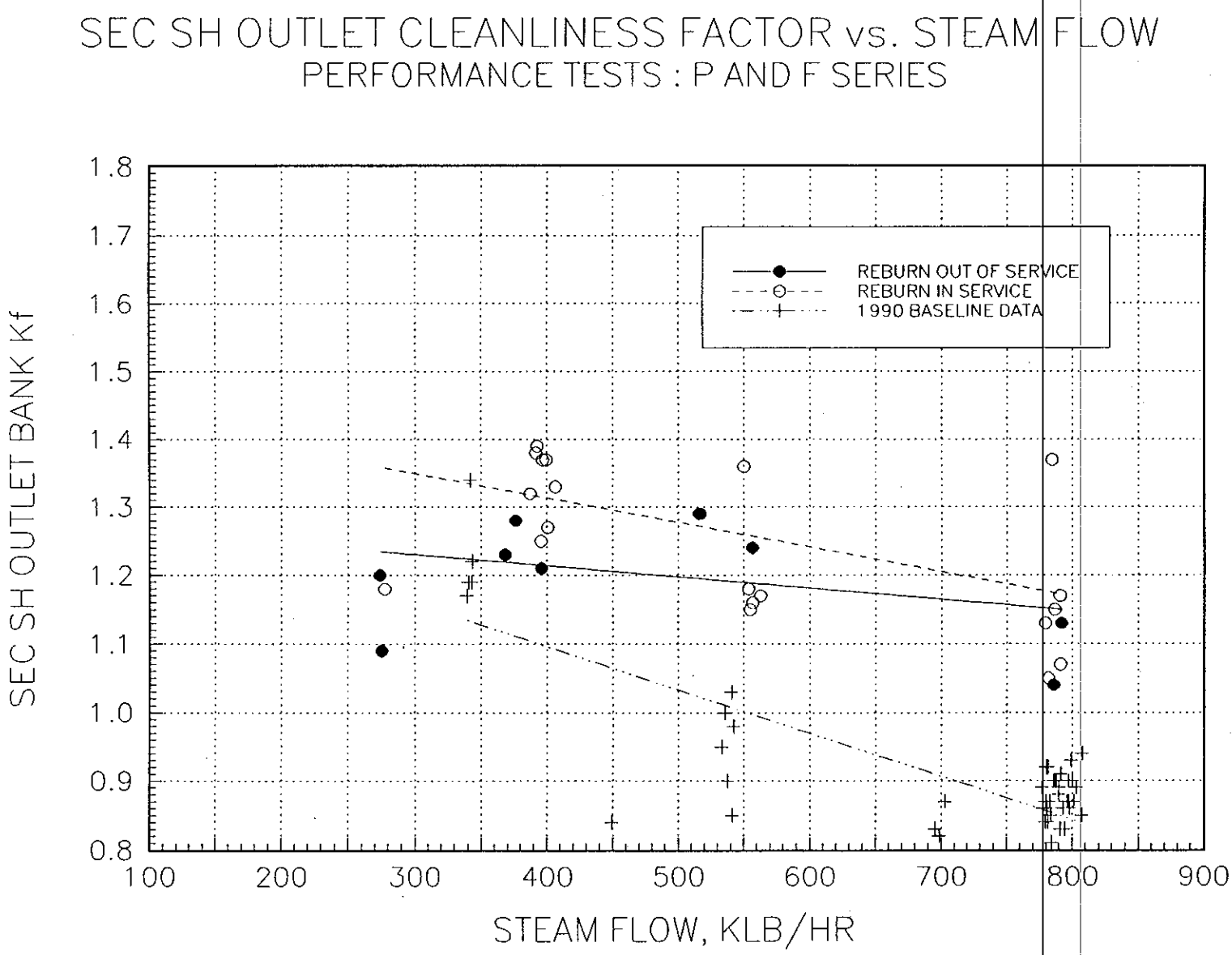
SEC SH OUTLET CLEANLINESS FACTOR vs. STEAM FLOW
PERFORMANCE TESTS : P AND F SERIES
REBURN OUT OF SERVICE
REBURN IN SERVICE
1990 BASELINE DATA
SEC SH OUTLET BANK Kf
STEAM FLOW, KLB/HR
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
100
200
300
400
500
600
700
800
900

FIGURE7

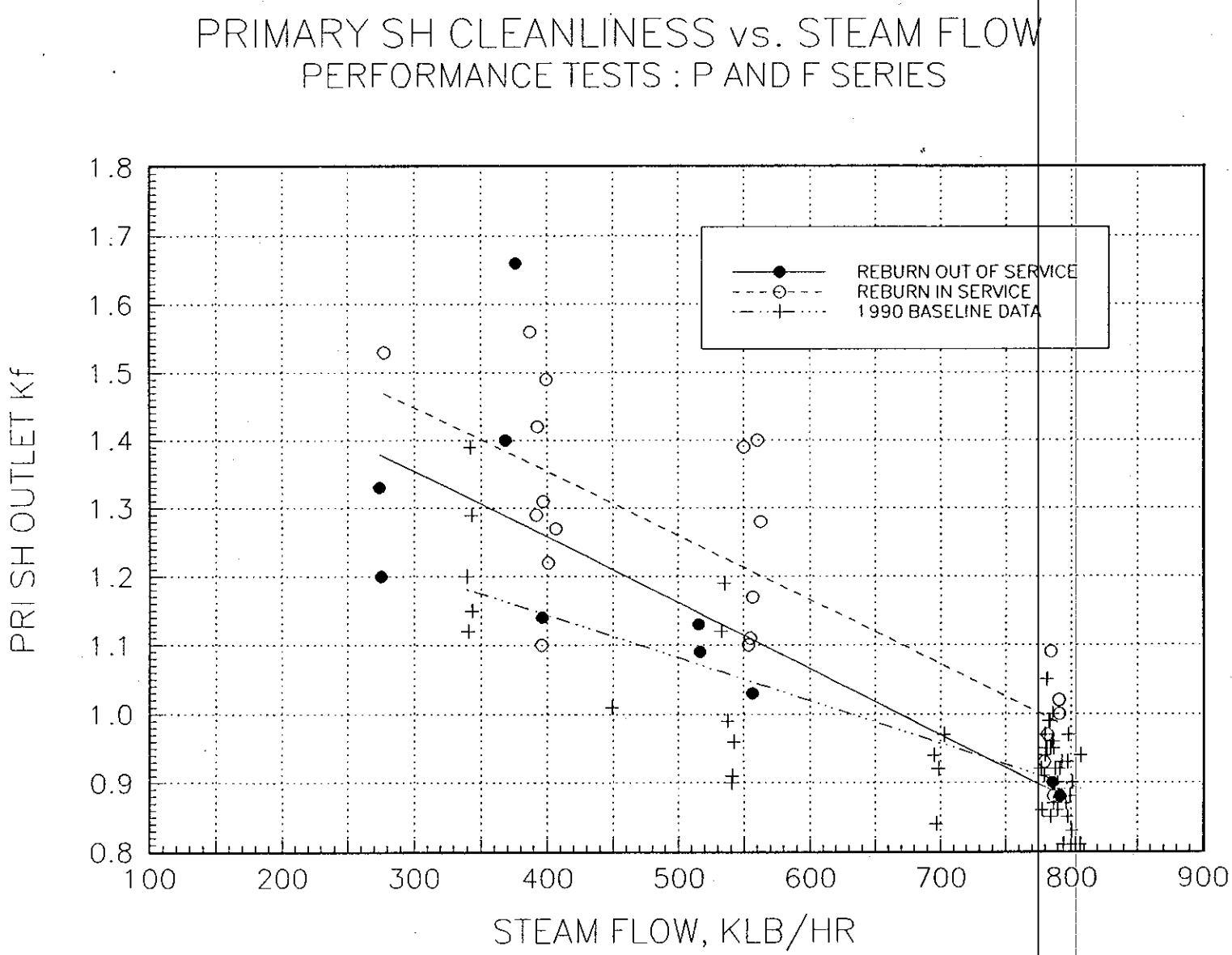
PRIMARY SH CLEANLINESS vs. STEAM FLOW
PERFORMANCE TESTS : P AND F SERIES
REBURN OUT OF SERVICE
REBURN IN SERVICE
1990 BASELINE DATA
PRI SH OUTLET Kf
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
100
200
300
400
500
600
700
800
900
STEAM FLOW, KLB/HR

FIGURE 8

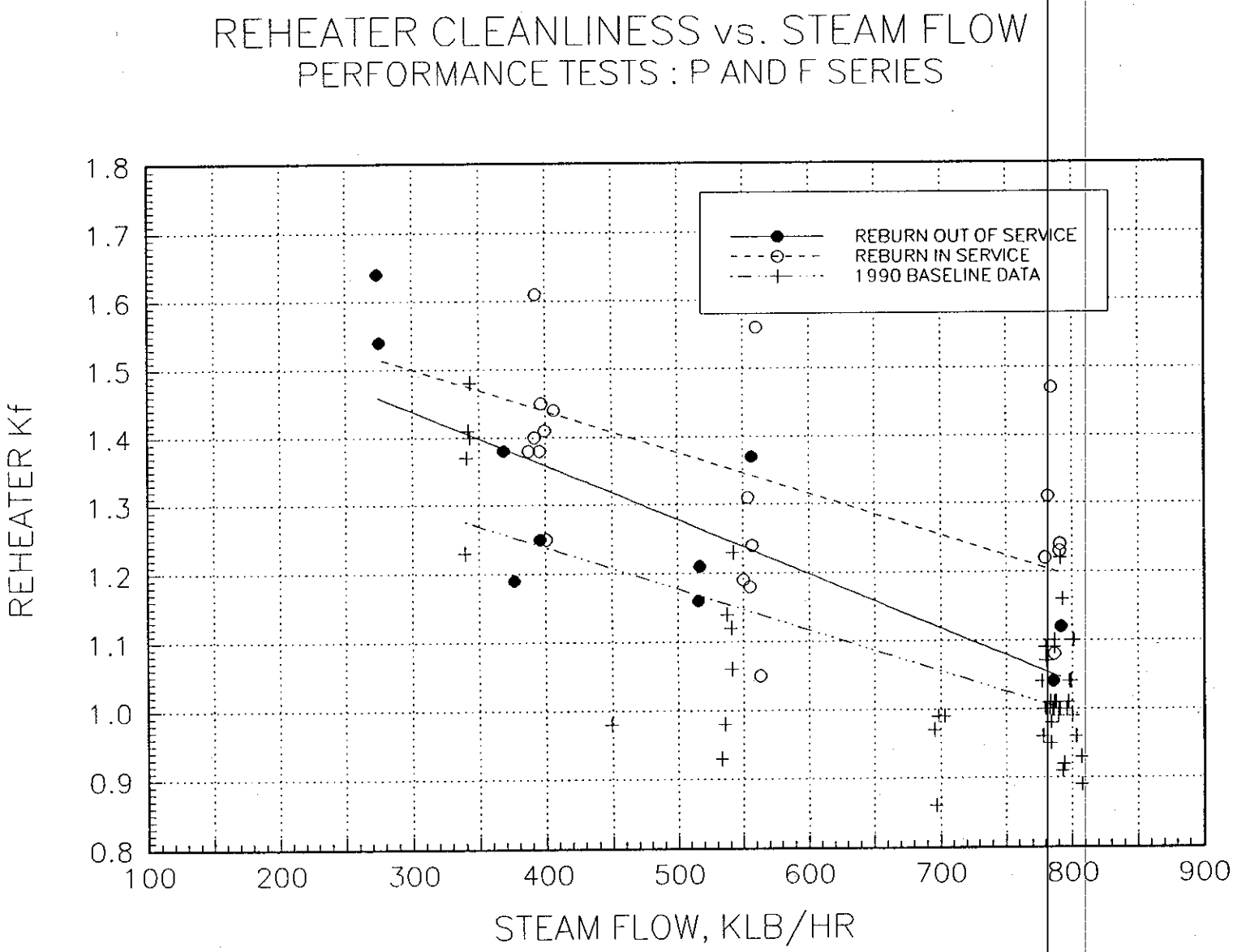
REHEATER CLEANLINESS vs. STEAM FLOW
PERFORMANCE TESTS : P AND F SERIES
REBURN OUT OF SERVICE
REBURN IN SERVICE
1990 BASELINE DATA
REHEATER Kf
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
100
200
300
400
500
600
700
800
900
STEAM FLOW, KLB/HR

FIGURE 9

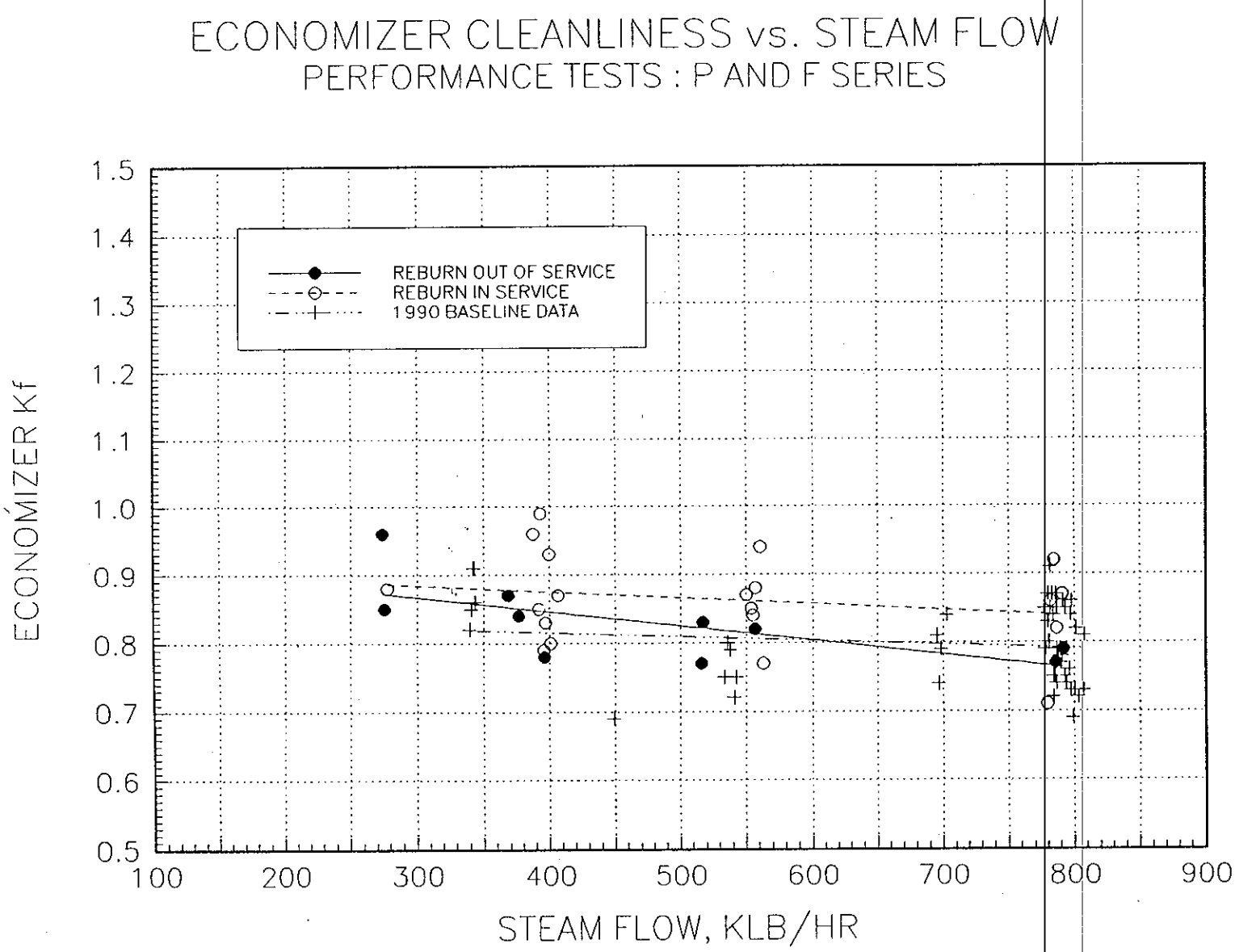
ECONOMIZER CLEANLINESS vs. STEAM FLOW
PERFORMANCE TESTS : P AND F SERIES
REBURN OUT OF SERVICE
REBURN IN SERVICE
1990 BASELINE DATA
ECONOMIZER Kf
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
100
200
300
400
500
600
700
800
900
STEAM FLOW, KLB/HR

FIGURE 10

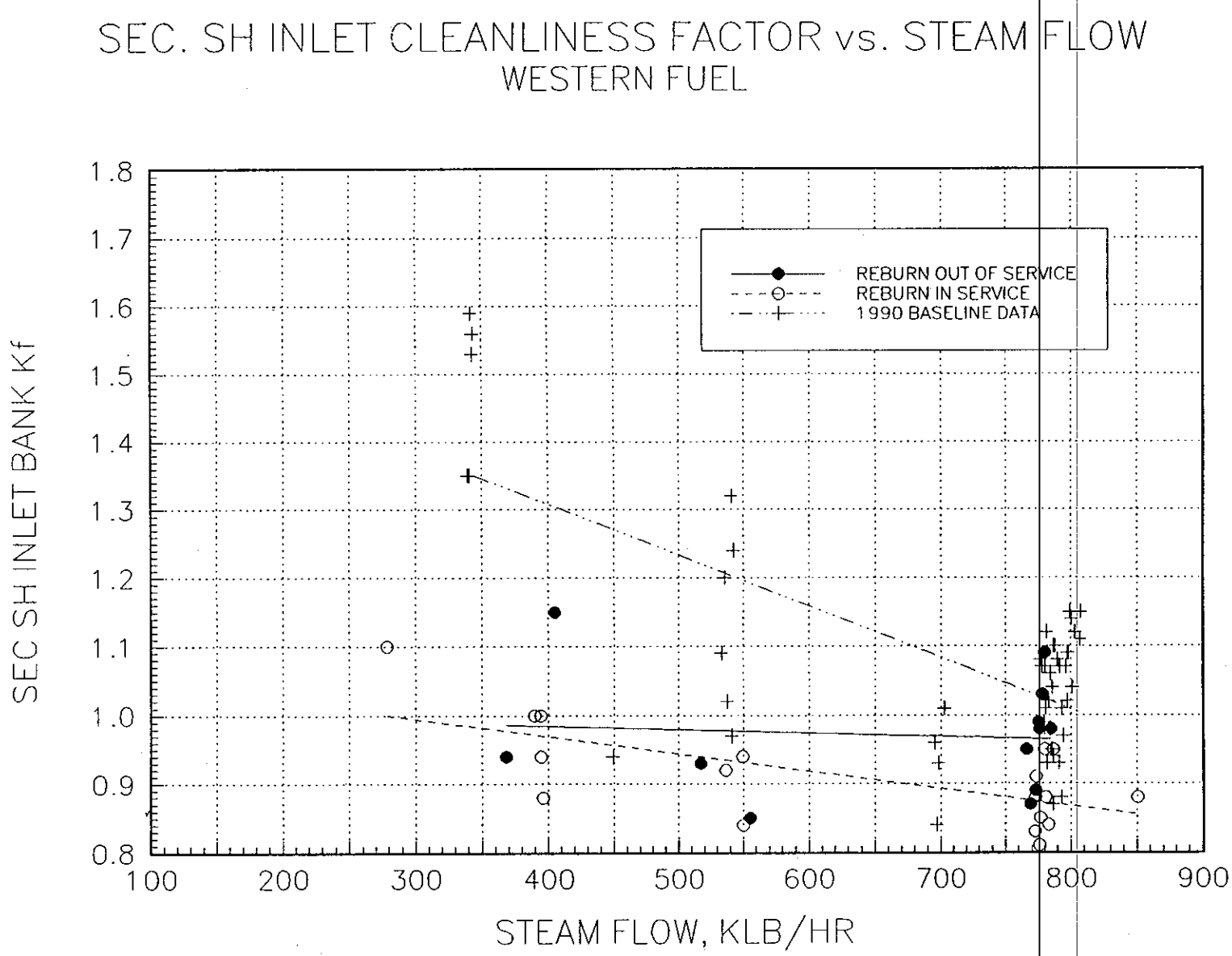
SEC. SH INLET CLEANLINESS FACTOR vs. STEAM FLOW
WESTERN FUEL
REBURN OUT OF SERVICE
REBURN IN SERVICE
1990 BASELINE DATA
SEC SH INLET BANK Kf
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
100
200
300
400
500
600
700
800
900
STEAM FLOW, KLB/HR

FIGURE 11

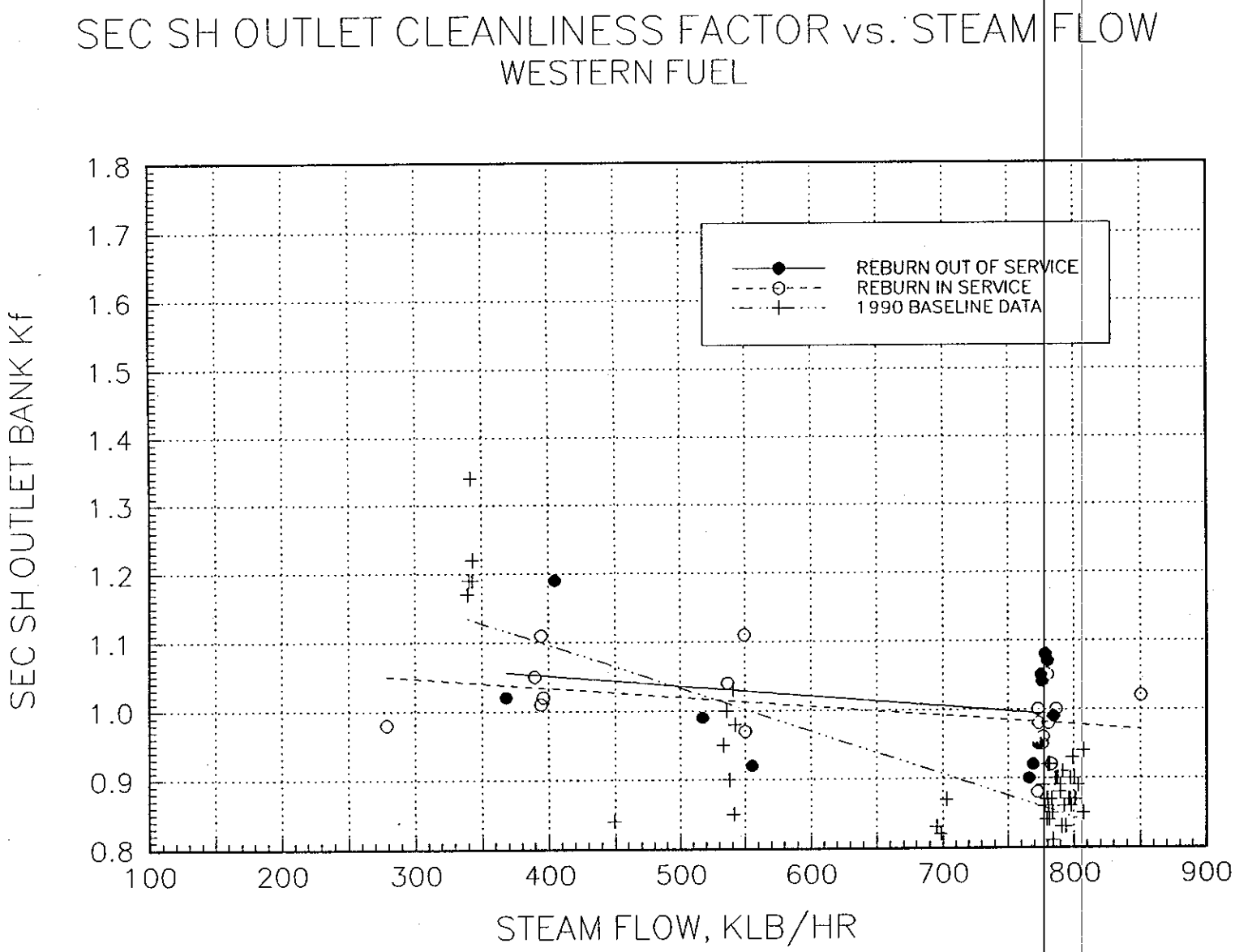
SEC SH OUTLET CLEANLINESS FACTOR vs. STEAM FLOW
WESTERN FUEL
REBURN OUT OF SERVICE
REBURN IN SERVICE
1990 BASELINE DATA
SEC SH OUTLET BANK Kf
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
100
200
300
400
500
600
700
800
900
STEAM FLOW, KLB/HR

FIGURE 12

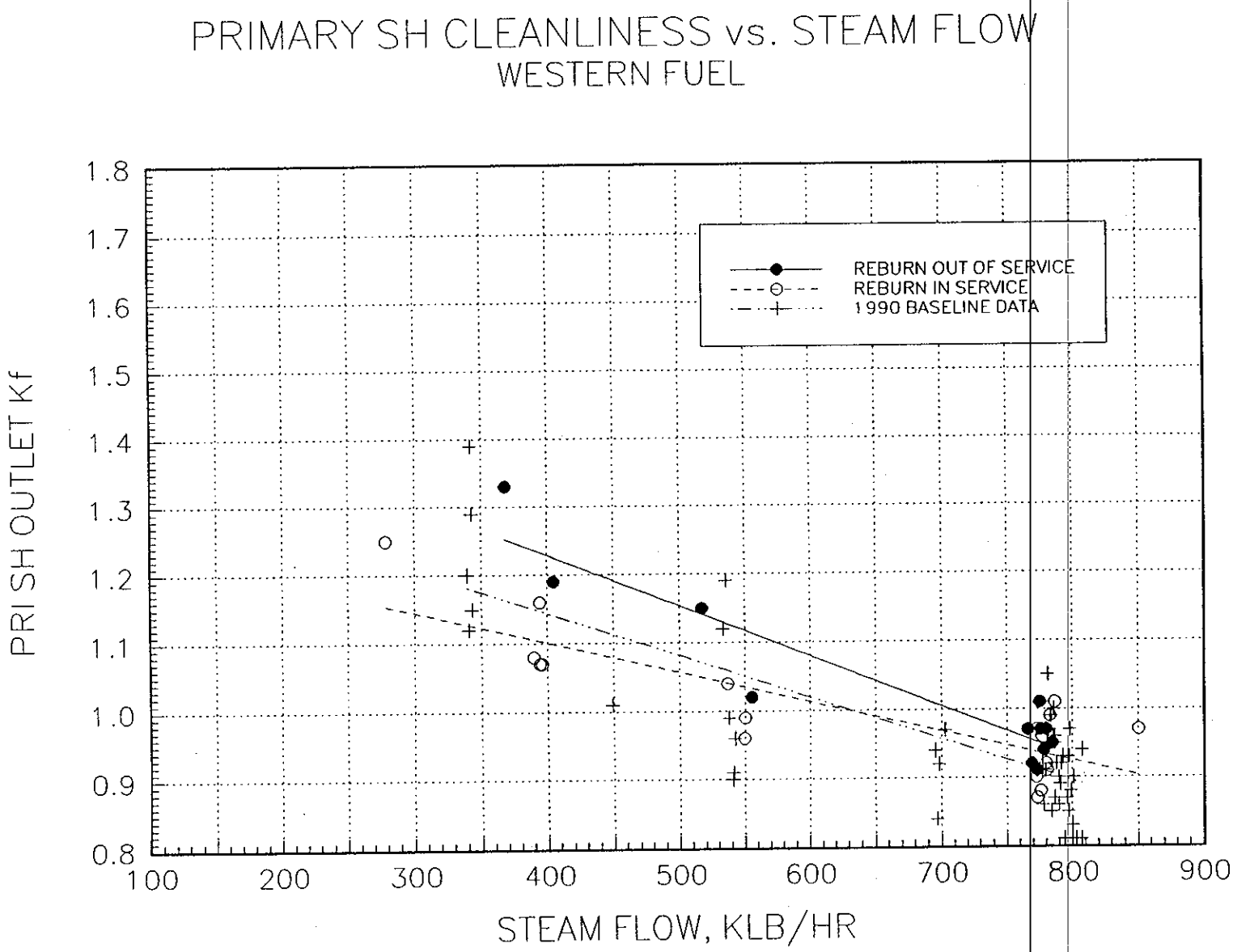
PRIMARY SH CLEANLINESS vs. STEAM FLOW
WESTERN FUEL
REBURN OUT OF SERVICE
REBURN IN SERVICE
1990 BASELINE DATA
PRI SH OUTLET Kf
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
100
200
300
400
500
600
700
800
900
STEAM FLOW, KLB/HR

FIGURE 13

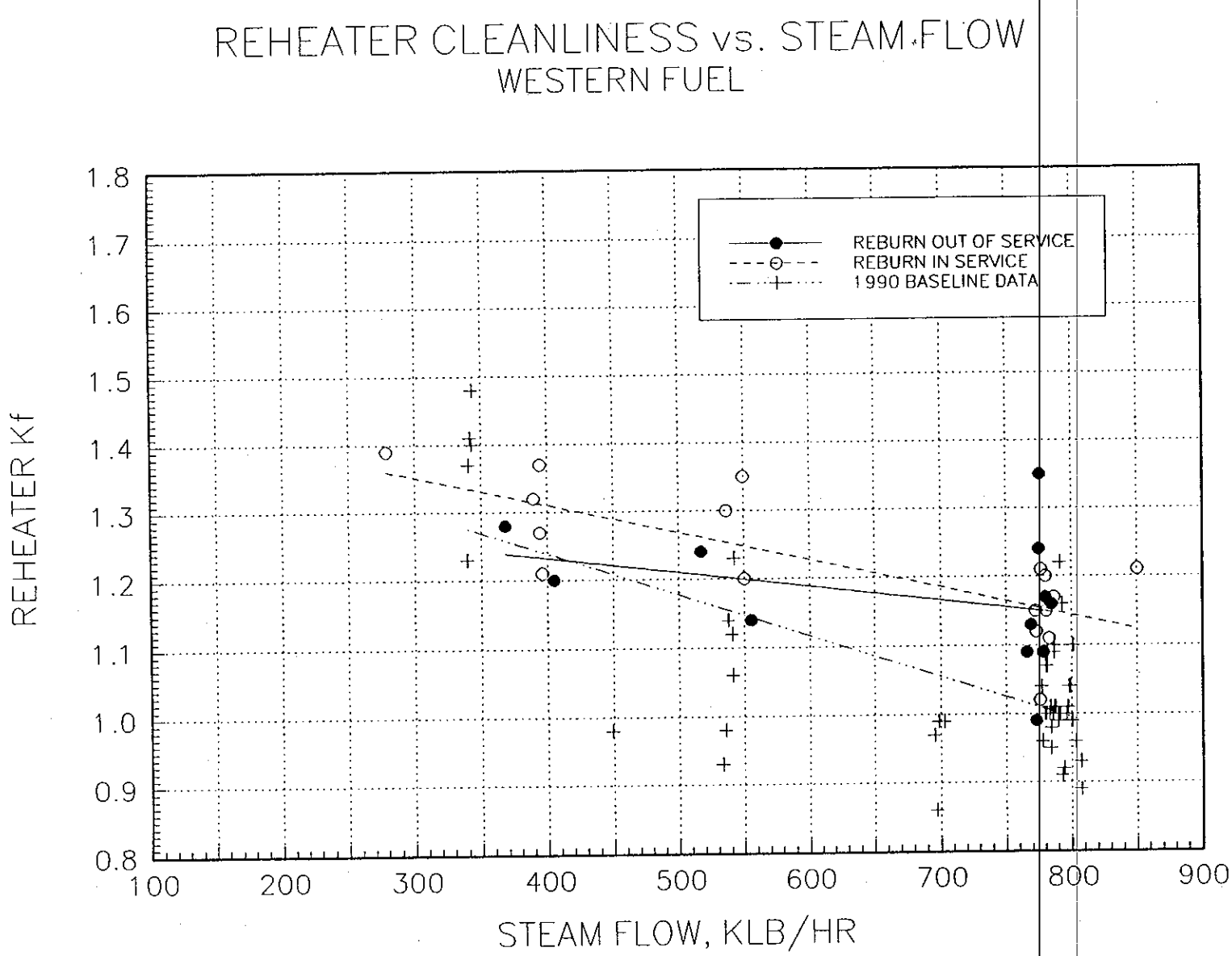
REHEATER CLEANLINESS vs. STEAM FLOW
WESTERN FUEL
REBURN OUT OF SERVICE
REBURN IN SERVICE
1990 BASELINE DATA
REHEATER Kf
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
100
200
300
400
500
600
700
800
900
STEAM FLOW, KLB/HR

FIGURE 14

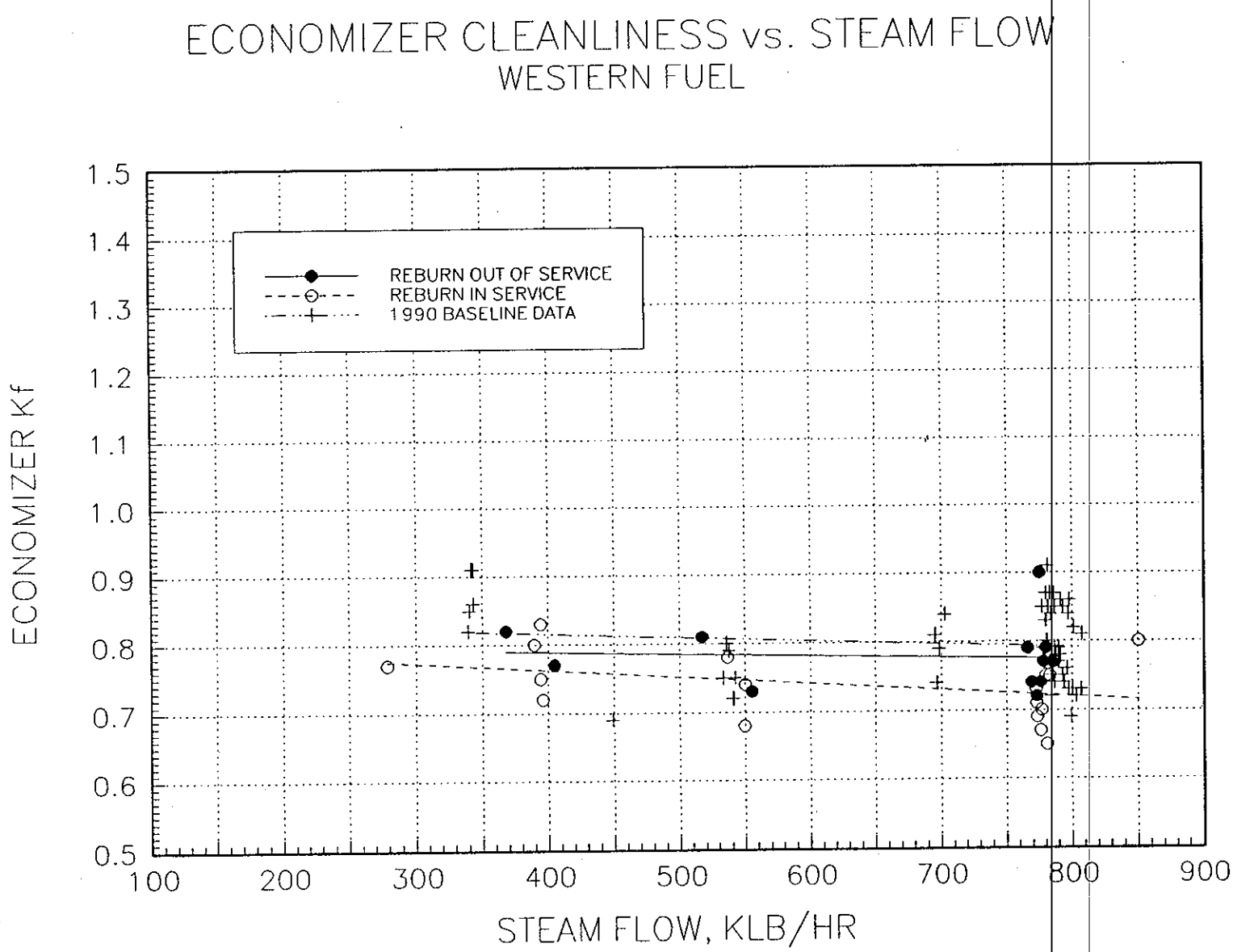
ECONOMIZER CLEANLINESS vs. STEAM FLOW
WESTERN FUEL
REBURN OUT OF SERVICE
REBURN IN SERVICE
1990 BASELINE DATA
ECONOMIZER Kf
1.5
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
100
200
300
400
500
600
700
800
900
STEAM FLOW, KLB/HR

FIGURE 15

APPENDIX NO. 19

Data Error Analysis

TEST #1F : 82 MW : FORMAL PERFORMANCE TEST : REBURN IN SERVICE

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
O2 LVG ECON (T)	3.22	3.32	2.82	.14	.27	8.44
O2 LVG ECON (T)	2.88	3.10	2.77	.10	.21	7.27
CO2 LVG ECON (T)	15.65	15.90	15.59	.09	.17	1.10
CO2 LVG ECON (T)	15.69	15.81	15.56	.08	.16	1.05
CO LVG ECON (T)	100.70	116.81	96.01	5.61	11.22	11.15
CO LVG ECON (T)	95.52	112.01	77.31	11.00	22.00	23.03
NOX LVG ECON (T)	256.30	322.01	237.97	23.46	46.93	18.31
NOX LVG ECON (T)	304.81	319.28	292.67	9.65	19.30	6.33
~~DRUM PRESS (T)~~	~~1518.79~~	~~1524.17~~	~~1483.41~~	~~11.80~~	~~23.59~~	~~1.55~~
ENT RH-1 P (T)	0.00	0.00	0.00	0.00	0.00	0.00
LVG RH-1 P (T)	303.16	315.16	216.43	28.85	57.69	19.03
SEC SH OUT P (T)	1471.03	1473.32	1461.44	3.28	6.56	.45
FW HTR-E EXT P	307.63	320.18	218.48	29.66	59.32	19.28
ECON H2O OUT T	506.27	508.93	490.71	5.24	10.48	2.07
ECON H2O OUT T	470.89	473.30	458.09	4.33	8.67	1.84
AMBIENT AIR TEMP	78.84	82.86	0.00	25.04	50.09	63.53
PRI SH OUT T	729.53	745.47	722.86	6.21	12.43	1.70
PRI SH OUT T	753.28	761.31	750.15	3.04	6.07	.81
AIR LVG AH T	553.10	561.14	545.04	5.51	11.03	1.99
AIR LVG AH T	555.84	561.46	535.72	7.17	14.34	2.58
AIR LVG FD FAN T	137.93	150.07	135.14	4.39	8.77	6.36
AIR LVG FD FAN T	143.40	154.69	141.01	3.88	7.76	5.41
RH SPRAY H2O T	292.84	295.61	273.33	6.50	12.99	4.44
FW HTR E ENT T	357.27	360.52	334.80	7.49	14.98	4.19
FW HTR E EXT T	673.06	677.76	634.49	2.81	25.61	3.81
ENT RH T	668.85	688.10	627.64	4.58	29.15	4.36
FW HTR E DRN T	372.77	376.32	345.30	9.11	18.23	4.89
FW HTR E LVG T	424.79	428.76	396.50	9.38	18.77	4.42
O2 LVG AH (T)	5.19	6.11	4.93	.33	.66	12.74
O2 LVG GR FAN (T)	0.00	0.00	0.00	0.00	0.00	0.00
CO2 LVG AH (T)	39.77	59.60	32.58	7.74	15.47	38.90
GAS TEMP LVG GR FA	588.68	594.57	566.95	7.70	15.41	2.62
AIR ENT FD FAN	104.18	107.67	0.00	33.01	66.02	63.37
LOAD MW	80.44	83.47	58.12	7.42	14.85	18.46
MAIN STEAM FLOW	556.97	580.47	385.21	57.16	114.33	20.53
FW FLOW	550.04	572.91	397.90	50.69	101.38	18.43
RH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	0.00
SH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	0.00
SH SPRAY FLOW	10.20	14.03	5.44	3.24	6.47	63.50
GR FAN AMPS	.08	.08	.08	0.00	0.00	0.00
GR FAN AMPS	38.59	44.88	37.50	2.11	4.22	10.94
1st STG PRESS	737.21	766.84	517.59	73.05	146.10	19.82
OIL FLOW 2A	.00	.00	.00	.00	.00	21.36
OIL FLOW 2B	.00	.00	0.00	.00	.00	63.25
OIL FLOW 2C	.00	.00	.00	0.00	0.00	0.00
SSH OUT T	977.45	980.77	971.66	2.43	4.87	.50
SSH OUT T	999.36	1002.47	996.70	2.05	4.10	.41
SSH OUT AVE T	990.04	992.89	986.03	2.14	4.28	.43
LVG SH ATTMP T	733.00	744.15	725.63	5.38	10.76	1.47
LVG SH ATTMP T	695.83	710.66	684.09	9.01	18.02	2.59
ECON H2O IN T	427.39	431.43	398.77	9.52	19.05	4.46
LVG RH T	985.47	990.98	957.15	9.56	19.12	1.94
COLD RH T	676.07	681.05	637.25	12.89	25.79	3.81
TURB THROT P	1449.81	1450.63	1448.67	.53	1.05	.07
DRUM PRESS	1524.61	1529.78	1486.93	12.54	25.09	1.65
LVG RH PRESS	300.29	312.62	214.13	28.68	57.37	19.10
ENT RH PRESS	319.38	332.63	227.95	30.46	60.92	19.08
O2 LVG ECON	2.96	3.31	2.82	.13	.26	8.85
O2 LVG ECON	3.07	3.22	2.84	.10	.20	6.55

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
CYC A COAL FLOW KL	22.96	23.94	17.06	1.97	3.95	17.20
CYC B COAL FLOW KL	-.01	-.01	-.01	0.00	0.00	0.00
CYC C COAL FLOW KL	22.92	23.93	17.01	1.98	3.96	17.26
CYC A SEC AIR FLOW	216.78	227.73	153.46	21.22	42.44	19.58
CYC B SEC AIR FLOW	5.33	6.86	3.77	1.15	2.31	43.24
CYC C SEC AIR FLOW	216.70	227.60	153.37	21.21	42.42	19.58
CYC A SEC AIR T	502.55	509.23	497.76	4.26	8.52	1.69
CYC B SEC AIR T	551.48	559.30	529.25	8.45	16.89	3.06
CYC C SEC AIR T	520.16	526.41	503.35	6.44	12.87	2.47
RH SP VLV POS	-5.00	-5.00	-5.00	0.00	0.00	0.00
SH SP VLV POS	50.05	59.14	39.56	6.87	13.75	27.47
SH SP VLV POS	0.00	0.00	0.00	0.00	0.00	0.00
GR DMPR DEMAND	59.58	98.26	55.71	12.83	25.66	43.06
RECIRC AIR DMPR P	0.00	0.00	0.00	0.00	0.00	0.00
SH PASS DMPR P	4.13	5.60	0.00	1.64	3.29	79.67
RH PASS DMPR P	100.00	100.00	100.00	0.00	0.00	0.00
FURNACE GAS P IN	13.70	14.33	8.78	1.63	3.27	23.86
AIR ENT RH T	142.93	155.52	140.52	4.27	8.55	5.98
AIR ENT RH T	142.49	153.85	140.15	3.90	7.80	5.48
AIR ENT RH T	137.39	149.34	134.97	4.22	8.44	6.14
AIR ENT RH T	138.16	150.31	135.65	4.31	8.61	6.23
GAS LVG RH T	294.34	297.72	291.74	2.02	4.04	1.37
GAS LVG RH T	280.62	284.70	273.14	3.27	6.53	2.33
GAS LVG RH T	272.21	276.33	269.41	2.56	5.13	1.88
GAS LVG RH T	276.94	281.08	273.83	2.67	5.35	1.93
BRN SA/GR T	554.53	561.52	536.40	7.07	14.14	2.55
BRN SEC AIR T	564.87	572.75	541.26	8.72	17.43	3.09
GAS LVG RH PASS	608.46	613.39	574.87	11.24	22.48	3.69
GAS LVG RH PASS	625.96	632.70	583.53	14.15	28.31	4.52
GAS LVG RH PASS	0.00	0.00	0.00	0.00	0.00	0.00
GAS LVG RH PASS	668.16	681.50	633.75	13.11	26.21	3.92
GAS LVG RH PASS	601.75	607.71	563.62	12.78	25.55	4.25
GAS LVG RH PASS	616.82	623.75	573.54	14.44	28.88	4.68
GAS LVG RH PASS	638.78	646.62	593.35	15.36	30.73	4.81
GAS LVG RH PASS	633.73	645.83	585.02	16.95	33.91	5.35
GAS LVG RH PASS	614.56	620.84	583.41	10.56	21.12	3.44
GAS LVG RH PASS	642.28	651.02	600.98	14.12	28.25	4.40
GAS LVG RH PASS	643.86	651.54	601.38	14.40	28.80	4.47
GAS LVG RH PASS	643.39	652.02	602.54	14.05	28.10	4.37
GAS LVG SH PASS	-311.52	-276.33	-316.37	11.69	23.38	-7.51
GAS LVG SH PASS	549.64	557.97	531.05	7.41	14.82	2.70
GAS LVG SH PASS	559.26	569.59	541.66	8.05	16.10	2.88
GAS LVG SH PASS	576.21	586.14	553.41	9.04	18.09	3.14
GAS LVG SH PASS	527.69	538.59	507.75	8.54	17.08	3.24
GAS LVG SH PASS	539.21	545.95	520.09	7.34	14.69	2.72
GAS LVG SH PASS	542.30	550.15	521.83	7.93	15.85	2.92
GAS LVG SH PASS	577.99	589.65	553.67	9.88	19.76	3.42
GAS LVG SH PASS	552.08	559.06	532.88	7.24	14.48	2.62
GAS LVG SH PASS	560.37	575.35	538.23	11.44	22.89	4.08
GAS LVG SH PASS	555.93	566.72	536.09	8.94	17.88	3.22
GAS LVG SH PASS	-449.86	-399.10	-457.88	16.96	33.91	-7.54
OFA TEMP	518.69	526.62	491.51	9.82	19.65	3.79
PSH OUT LEG T	759.02	763.44	753.87	3.56	7.11	.94
PSH OUT LEG T	760.87	762.92	758.47	1.67	3.34	.44
PSH OUT LEG T	708.03	723.01	700.17	6.33	12.66	1.79
PSH OUT LEG T	717.32	733.41	709.98	6.47	12.95	1.80
PSH OUT LEG T	745.84	754.73	738.28	5.23	10.46	1.40
PSH OUT LEG T	761.06	764.32	755.94	3.08	6.16	.81
PSH OUT LEG T	733.15	736.40	729.70	2.09	4.19	.57
PSH OUT LEG T	772.63	775.21	769.93	1.86	3.73	.48
PSH OUT LEG T	738.15	742.08	734.54	2.20	4.39	.59
PSH OUT LEG T	761.34	763.38	758.22	1.80	3.59	.47
PSH OUT LEG T	772.57	775.30	768.91	2.26	4.52	.59
PULV INLET T	510.54	519.61	486.10	9.33	18.67	3.66

PULV OUTLET T	165.82	180.61	159.45	5.74	11.48	6.93
RH PEND IN LEG	938.32	944.27	911.50	9.18	18.36	1.96
RH PEND IN LEG	937.31	944.21	912.71	8.80	17.61	1.88
RH PEND IN LEG	933.99	940.25	908.17	8.95	17.90	1.92
RH PEND IN LEG	933.83	940.36	908.42	8.92	17.84	1.91
RH PEND IN LEG	0.00	0.00	0.00	0.00	0.00	0.00
RH PEND IN LEG	957.90	963.25	931.69	8.87	17.75	1.85
RH PEND IN LEG	922.12	926.67	893.41	9.58	19.16	2.08
RH PEND IN LEG	913.38	918.98	878.03	11.82	23.64	2.59
RH PEND IN LEG	938.07	943.82	911.28	9.17	18.34	1.96
RH PEND IN LEG	860.44	864.97	832.26	9.41	18.81	2.19
SSH PEND IN LEG	832.32	839.65	825.23	3.48	6.95	.84
SSH PEND IN LEG	863.96	868.38	859.04	3.40	6.80	.79
SSH PEND IN LEG	868.51	875.72	859.69	6.28	12.56	1.45
SSH PEND IN LEG	873.33	882.84	863.45	7.48	14.95	1.71
SSH PEND IN LEG	851.36	862.61	840.47	8.28	16.57	1.95
SSH PEND IN LEG	873.33	883.22	862.88	7.61	15.23	1.74
SSH PEND IN LEG	889.18	903.75	886.59	4.88	9.76	1.10
SSH PEND IN LEG	874.49	888.68	871.48	4.76	9.53	1.09
SSH PEND IN LEG	864.21	870.89	862.90	2.25	4.50	.52
SSH PEND IN LEG	834.11	836.88	830.73	2.26	4.53	.54
RH INTM HND HOLE	936.27	943.55	909.01	9.51	19.02	2.03
RH INTM HND HOLE	817.84	822.80	791.39	8.84	17.69	2.16
BRN GAS REC DMPR P	30.04	50.50	26.35	6.88	13.75	45.78
OVRFIRE AIR DMPR P	36.76	38.06	25.86	3.62	7.24	19.70
BRN SEC AIR DMPR P	20.17	30.03	18.81	3.28	6.55	32.50
FLAME INTENSITY #1	106.08	106.21	0.00	33.54	67.09	63.25
FLAME INTENSITY #2	105.81	106.13	105.61	.17	.35	.33
FLAME INTENSITY #3	105.20	106.15	0.00	99.80	199.60	189.74
FLAME INTENSITY #4	105.96	106.21	105.10	.34	.68	.64
PULV DIFF P IN WG	8.94	10.38	5.64	1.27	2.55	28.52
PULV AMPS	217.23	222.87	197.92	6.71	13.42	6.18
ROT CLASS AMPS	42.46	43.62	41.21	1.03	2.06	4.84
PULV PA FAN AMPS	56.70	61.94	30.36	8.83	17.66	31.14
PULV PA FLOW	52.95	53.52	48.07	1.62	3.24	6.12
SEC AIR FLOW	33.90	44.00	32.61	3.35	6.70	19.77
OFA AIR FLOW	149.74	159.06	68.28	27.03	54.06	36.10
GR TO SEC AIR	11.57	13.13	11.28	.52	1.04	9.02
BRN SEC AIR P IN	16.02	16.54	13.63	.81	1.61	10.07
O2 IN SEC AIR	16.41	16.92	16.33	.17	.34	2.06
BRN GAS REC P IN	15.94	16.46	13.31	.88	1.76	11.07
ROT CLASS RPM	148.64	153.66	141.29	5.90	11.80	7.94
PULV COAL FLOW KL	22.34	23.03	16.22	2.03	4.06	18.16
ACCUREX CO PPM	60.74	88.83	55.61	9.42	18.84	31.02
ACCUREX NOX PPM	253.34	281.77	239.10	12.20	24.39	9.63
ACCUREX O2 %	3.65	3.76	3.44	.09	.17	4.74
ACCUREX SOX PPM	1075.60	1111.10	1061.23	13.39	26.78	2.49
COAL SILO LEVEL	81.31	94.90	69.70	8.81	17.62	21.67
ROT CLASS DP IN WG	.33	.41	.26	.05	.10	29.66
HOT PRI AIR DMPR P	99.28	99.76	98.52	.39	.77	.78
AIR LVG FD FAN T	134.57	146.58	131.75	4.31	8.63	6.41
AIR LVG FD FAN T	140.45	151.72	138.04	3.87	7.74	5.51
FW HTR E EXT P	305.79	318.74	217.13	29.52	59.04	19.31
BAROMETRIC P IN	29.20	29.24	29.09	.04	.08	.29
REL HUMIDITY %	7.73	7.80	7.54	.08	.17	2.16
GAS LVG ECON (T)	622.43	630.24	579.10	14.63	29.26	4.70
GAS LVG ECON (T)	585.88	596.56	564.39	8.80	17.61	3.01
GAS LVG AH (T)	272.01	275.88	269.35	2.33	4.67	1.72
AIR ENT AH (T)	141.51	155.33	138.93	4.75	9.51	6.72
1ST STG STM FLW	536.05	556.79	382.31	51.14	102.27	19.08
BLOW DOWN FLOW	0.00	0.00	0.00	0.00	0.00	0.00
GR FAN BUS VOLT	4160.00	4160.00	4160.00	0.00	0.00	0.00
TOTAL GR FLOW	210.95	215.03	0.00	94.39	188.79	89.50
GR TO SEC AIR	11.10	11.23	0.00	4.96	9.93	89.45
GR TO FURN	199.85	204.01	0.00	89.43	178.87	89.50
TMP AIR FLOW	20.49	27.29	0.00	10.06	20.13	98.24
% PWDR RVR BASN CO	0.00	0.00	0.00	0.00	0.00	0.00

CYCLONE STOIC	1.11	1.12	0.00	.50	.99	89.45
REBRN WB STOIC	.47	.47	0.00	.21	.42	89.44
REBRN STOIC	.89	.89	0.00	.40	.80	89.44
LVG FURN STOIC	1.16	1.16	0.00	.52	1.04	89.44
LVG ECON STOIC	1.17	1.17	0.00	.52	1.05	89.44
AMBIENT AIR DB TEM	0.00	0.00	0.00	0.00	0.00	0.00
GAS LVG RH PS T	634.38	637.77	0.00	283.71	567.43	89.45
GAS LVG SH PS T	555.37	563.84	0.00	248.41	496.82	89.46
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	0.00
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	0.00
DRY BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	0.00
WET BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	0.00
AIR ENT AH P	0.00	0.00	0.00	0.00	0.00	0.00
AIR LVG AH P	0.00	0.00	0.00	0.00	0.00	0.00
CYC A TA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC A PA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC A TOT P	0.00	0.00	0.00	0.00	0.00	0.00
CYC B TA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC B PA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC B TOT P	0.00	0.00	0.00	0.00	0.00	0.00
CYC C TA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC C PA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC C TOT P	0.00	0.00	0.00	0.00	0.00	0.00
LVG SSH PLAT P	0.00	0.00	0.00	0.00	0.00	0.00
ENT PSH P	0.00	0.00	0.00	0.00	0.00	0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	0.00
GAS ENT AH P	0.00	0.00	0.00	0.00	0.00	0.00
GAS LVG AH P	0.00	0.00	0.00	0.00	0.00	0.00
SEC SH OUT P	0.00	0.00	0.00	0.00	0.00	0.00

TEST #2P : 58 MW : FORMAL PERFORMANCE TEST : REBURN IN SERVICE

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
O2 LVG ECON (T)	2.88	3.03	2.74	.09	.18	6.11
O2 LVG ECON (T)	3.13	3.22	3.03	.07	.14	4.33
CO2 LVG ECON (T)	15.83	15.96	15.71	.08	.15	.95
CO2 LVG ECON (T)	15.52	15.62	15.44	.06	.13	.81
CO LVG ECON (T)	119.08	128.26	114.90	4.14	8.29	6.96
CO LVG ECON (T)	106.56	110.14	103.86	2.34	4.67	4.38
NOX LVG ECON (T)	324.03	334.49	315.33	6.18	12.35	3.81
NOX LVG ECON (T)	319.39	332.25	312.03	5.28	10.55	3.30
DRUM PRESS (T)	1483.35	1484.62	1482.33	.64	1.29	.09
~~ENT RH-1 P (T)~~	~~0.00~~	~~0.00~~	~~0.00~~	~~0.00~~	~~0.00~~	~~0.00~~
LVG RH-1 P (T)	217.16	218.38	215.00	.93	1.85	.85
SEC SH OUT P (T)	1461.44	1463.20	1460.40	.90	1.80	.12
FW HTR E EXT P	219.52	220.82	217.55	.89	1.77	.81
ECON H2O OUT T	491.00	498.84	488.57	2.57	5.13	1.05
ECON H2O OUT T	457.75	458.48	456.33	.58	1.15	.25
AMBIENT AIR TEMP	86.41	87.73	0.00	58.29	116.57	134.90
PRI SH OUT T	738.55	741.82	732.93	2.61	5.22	.71
PRI SH OUT T	752.33	755.62	745.16	3.07	6.14	.82
AIR LVG AH T	540.02	543.31	538.21	1.38	2.76	.51
AIR LVG AH T	534.79	536.54	533.06	1.04	2.08	.39
AIR LVG FD FAN T	150.94	152.78	149.31	1.19	2.39	1.58
AIR LVG FD FAN T	155.25	157.00	153.37	1.06	2.12	1.37
RH SPRAY H2O T	273.22	273.57	272.80	.22	.44	.16
FW HTR E ENT T	336.56	355.88	334.44	6.09	12.18	3.62
FW HTR E EXT T	633.64	635.75	629.56	1.97	3.94	.62
ENT RH T	628.97	651.42	623.12	7.32	14.64	2.33
FW HTR E DRN T	345.51	345.87	345.03	.30	.59	.17
FW HTR E LVG T	396.80	397.16	396.14	.29	.57	.14
O2 LVG AH (T)	6.17	6.27	6.08	.06	.12	2.00
O2 LVG GR FAN (T)	0.00	0.00	0.00	0.00	0.00	0.00
CO2 LVG AH (T)	37.23	67.67	14.86	12.94	25.89	69.54
GAS TEMP LVG GR FA	567.28	568.45	564.92	1.02	2.04	.36
AIR ENT FD FAN	111.83	112.46	0.00	95.37	190.74	170.56
LOAD MW	58.31	58.67	57.64	.29	.58	.99
MAIN STEAM FLOW	386.69	388.24	382.92	1.76	3.53	.91
FW FLOW	399.44	402.66	395.90	1.88	3.76	.94
RH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	0.00
SH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	0.00
SH SPRAY FLOW	4.77	7.16	0.00	2.14	4.27	89.60
GR FAN AMPS	.08	.08	.08	0.00	0.00	0.00
GR FAN AMPS	44.95	45.45	44.51	.30	.59	1.32
1st STG PRESS	521.20	525.61	516.62	2.51	5.02	.96
OIL FLOW 2A	.00	.00	.00	0.00	0.00	0.00
OIL FLOW 2B	.00	.00	0.00	.00	.00	60.30
OIL FLOW 2C	.00	.00	0.00	.00	.00	60.30
SSH OUT T	970.88	975.18	963.85	3.37	6.74	.69
SSH OUT T	999.44	1000.73	997.24	.99	1.99	.20
SSH OUT AVE T	986.00	988.01	982.87	1.91	3.81	.39
LVG SH ATTMP T	743.26	746.66	737.12	2.75	5.49	.74
LVG SH ATTMP T	698.85	703.87	690.38	4.66	9.32	1.33
ECON H2O IN T	398.87	399.62	398.00	.46	.92	.23
LVG RH T	954.86	958.04	945.23	3.94	7.89	.83
COLD RH T	636.62	638.84	632.71	1.90	3.80	.60
TURB THROT P	1449.97	1450.74	1449.19	.41	.82	.06
DRUM PRESS	1487.14	1488.79	1485.81	.93	1.87	.13
LVG RH PRESS	214.69	215.83	212.50	.88	1.77	.82
ENT RH PRESS	228.72	229.86	226.65	.90	1.80	.79
O2 LVG ECON	3.35	3.45	3.24	.06	.13	3.87
O2 LVG ECON	2.93	3.07	2.83	.07	.14	4.89

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
CYC A COAL FLOW KL	17.13	17.38	16.83	.17	.34	1.98
CYC B COAL FLOW KL	-.01	-.01	-.01	0.00	0.00	0.00
CYC C COAL FLOW KL	17.10	17.36	16.81	.17	.34	1.97
CYC A SEC AIR FLOW	155.12	157.25	153.10	1.23	2.47	1.59
CYC B SEC AIR FLOW	5.22	6.03	4.37	.48	.95	18.25
CYC C SEC AIR FLOW	154.56	156.49	152.46	1.30	2.61	1.69
CYC A SEC AIR T	499.19	500.20	497.02	1.00	2.00	.40
CYC B SEC AIR T	528.64	529.36	528.21	.37	.74	.14
CYC C SEC AIR T	502.73	503.70	501.69	.68	1.35	.27
RH SP VLV POS	-5.00	-5.00	-5.00	0.00	0.00	0.00
SH SP VLV POS	46.59	53.11	39.78	4.25	8.49	18.23
SH SP VLV POS	0.00	0.00	0.00	0.00	0.00	0.00
GR DMPR DEMAND	98.26	98.26	98.26	0.00	0.00	0.00
RECIRC AIR DMPR P	0.00	0.00	0.00	0.00	0.00	0.00
SH PASS DMPR P	.05	.06	0.00	.04	.07	141.89
RH PASS DMPR P	100.00	100.00	100.00	0.00	0.00	0.00
FURNACE GAS P IN	8.77	9.01	8.59	.12	.24	2.69
AIR ENT AH T	155.90	157.38	154.36	.96	1.92	1.23
AIR ENT AH T	154.52	156.03	152.99	1.00	1.99	1.29
AIR ENT AH T	150.37	152.17	148.96	1.18	2.36	1.57
AIR ENT AH T	151.28	152.95	149.87	1.11	2.22	1.46
GAS LVG AH T	294.67	296.05	293.38	.89	1.78	.60
GAS LVG AH T	274.31	276.12	273.20	.99	1.97	.72
GAS LVG AH T	271.22	273.56	270.07	1.17	2.33	.86
GAS LVG AH T	275.30	277.07	274.19	.92	1.84	.67
BRN SA/GR T	535.59	536.76	533.37	1.16	2.32	.43
BRN SEC AIR T	540.58	542.26	537.99	1.39	2.78	.51
GAS LVG RH PASS	574.82	576.38	572.45	.98	1.96	.34
GAS LVG RH PASS	584.02	585.33	581.25	1.12	2.25	.39
GAS LVG RH PASS	0.00	0.00	0.00	0.00	0.00	0.00
GAS LVG RH PASS	632.35	634.54	628.49	1.79	3.59	.57
GAS LVG RH PASS	564.41	565.71	562.74	.90	1.80	.32
GAS LVG RH PASS	573.64	576.40	571.85	1.30	2.60	.45
GAS LVG RH PASS	591.76	593.67	588.01	1.54	3.08	.52
GAS LVG RH PASS	586.58	588.37	585.07	1.22	2.43	.42
GAS LVG RH PASS	581.88	584.00	578.77	1.62	3.24	.56
GAS LVG RH PASS	600.36	601.84	595.86	1.75	3.51	.58
GAS LVG RH PASS	599.87	603.70	596.14	2.65	5.30	.88
GAS LVG RH PASS	601.48	603.90	599.15	1.24	2.48	.41
GAS LVG SH PASS	-281.21	-276.58	-284.70	2.40	4.80	-1.71
GAS LVG SH PASS	529.79	532.04	528.15	1.25	2.51	.47
GAS LVG SH PASS	538.86	542.48	536.37	2.03	4.05	.75
GAS LVG SH PASS	553.35	554.64	549.69	1.37	2.73	.49
GAS LVG SH PASS	509.06	510.83	507.50	1.08	2.17	.43
GAS LVG SH PASS	518.43	521.12	515.55	1.97	3.95	.76
GAS LVG SH PASS	521.22	523.02	520.05	.85	1.71	.33
GAS LVG SH PASS	554.77	556.15	553.17	1.01	2.02	.36
GAS LVG SH PASS	535.62	539.90	531.43	2.52	5.04	.94
GAS LVG SH PASS	540.59	545.33	537.47	2.83	5.67	1.05
GAS LVG SH PASS	535.02	538.09	531.92	1.54	3.08	.58
GAS LVG SH PASS	-398.27	-396.71	-400.08	1.01	2.01	-.50
OFA TEMP	491.89	493.45	490.83	.81	1.61	.33
PSH OUT LEG T	760.33	763.74	752.96	3.28	6.56	.86
PSH OUT LEG T	758.13	761.98	750.34	3.54	7.08	.93
PSH OUT LEG T	722.34	725.61	717.87	2.21	4.41	.61
PSH OUT LEG T	732.43	735.69	727.32	2.42	4.85	.66
PSH OUT LEG T	753.62	756.68	747.44	2.73	5.45	.72
PSH OUT LEG T	762.78	765.73	755.71	2.98	5.96	.78
PSH OUT LEG T	735.39	738.97	729.66	2.69	5.38	.73
PSH OUT LEG T	768.27	771.98	760.39	3.52	7.04	.92
PSH OUT LEG T	740.77	744.85	734.00	3.31	6.61	.89
PSH OUT LEG T	759.94	762.84	752.71	3.22	6.44	.85
PSH OUT LEG T	769.22	772.50	761.34	3.59	7.18	.93
PULV INLET T	485.02	486.65	482.30	1.29	2.58	.53

PULV OUTLET T	180.98	181.69	180.46	.35	.70	.39
RH PEND IN LEG	908.68	912.10	898.42	4.20	8.41	.93
RH PEND IN LEG	909.60	913.43	899.05	4.56	9.12	1.00
RH PEND IN LEG	905.24	908.80	895.24	4.18	8.37	.92
RH PEND IN LEG	905.51	909.15	895.34	4.28	8.56	.94
RH PEND IN LEG	0.00	0.00	0.00	0.00	0.00	0.00
RH PEND IN LEG	928.89	932.57	917.24	4.59	9.18	.99
RH PEND IN LEG	891.80	895.93	882.33	3.90	7.81	.88
RH PEND IN LEG	878.61	883.22	873.44	3.67	7.35	.84
RH PEND IN LEG	908.72	912.07	898.67	4.06	8.13	.89
RH PEND IN LEG	833.34	837.54	827.67	3.38	6.77	.81
SSH PEND IN LEG	843.70	852.38	834.90	5.55	11.10	1.32
SSH PEND IN LEG	867.73	875.63	858.72	5.38	10.76	1.24
SSH PEND IN LEG	872.91	876.95	865.98	3.48	6.97	.80
SSH PEND IN LEG	881.61	885.76	874.70	3.43	6.87	.78
SSH PEND IN LEG	859.56	863.57	853.08	3.34	6.67	.78
SSH PEND IN LEG	882.96	886.09	877.54	2.92	5.84	.66
SSH PEND IN LEG	900.98	903.03	893.83	2.96	5.93	.66
SSH PEND IN LEG	886.96	889.81	879.93	2.92	5.83	.66
SSH PEND IN LEG	871.44	875.59	867.61	2.81	5.63	.65
SSH PEND IN LEG	835.58	838.59	833.16	1.81	3.62	.43
RH INTM HND HOLE	904.40	909.00	893.69	5.26	10.52	1.16
RH INTM HND HOLE	790.44	793.50	784.25	3.00	6.00	.76
BRN GAS REC DMPR P	50.14	53.82	46.74	2.20	4.40	8.77
OVRFIRE AIR DMPR P	25.97	26.71	25.66	.30	.59	2.27
BRN SEC AIR DMPR P	29.75	30.15	29.50	.20	.39	1.32
FLAME INTENSITY #1	106.13	106.21	0.00	90.51	181.01	170.56
FLAME INTENSITY #2	106.14	106.21	106.06	.05	.11	.10
FLAME INTENSITY #3	102.75	105.46	100.58	1.49	2.99	2.91
FLAME INTENSITY #4	106.10	106.24	0.00	45.24	90.48	85.28
PULV DIFF P IN WG	5.65	5.76	5.49	.09	.18	3.10
PULV AMPS	197.73	198.40	197.20	.33	.67	.34
ROT CLASS AMPS	42.57	42.71	42.44	.09	.18	.42
PULV PA FAN AMPS	30.43	31.95	29.45	.74	1.48	4.86
PULV PA FLOW	48.01	48.15	47.74	.11	.23	.47
SEC AIR FLOW	43.95	44.47	43.55	.29	.58	1.31
OFA AIR FLOW	71.54	78.85	68.19	3.05	6.10	8.53
GR TO SEC AIR	13.01	13.17	12.78	.12	.24	1.81
BRN SEC AIR P IN	13.71	13.89	13.51	.10	.20	1.44
O2 IN SEC AIR	16.92	16.98	16.87	.04	.08	.47
BRN GAS REC P IN	13.35	13.47	13.23	.07	.13	1.01
ROT CLASS RPM	153.60	153.73	153.47	.07	.15	.09
PULV COAL FLOW KL	16.36	16.59	16.09	.19	.38	2.30
ACCUREX CO PPM	88.74	92.60	84.56	2.36	4.71	5.31
ACCUREX NOX PPM	283.64	293.45	277.02	4.98	9.96	3.51
ACCUREX O2 %	3.50	3.67	3.35	.09	.19	5.34
ACCUREX SOX PPM	1104.34	1134.70	1085.65	13.07	26.15	2.37
COAL SILO LEVEL	83.52	93.77	68.21	9.31	18.62	22.29
ROT CLASS DP IN WG	.26	.27	.25	.01	.01	4.62
HOT PRI AIR DMPR P	96.35	98.74	89.20	2.57	5.14	5.33
AIR LVG FD FAN T	147.94	149.71	146.16	1.16	2.31	1.56
AIR LVG FD FAN T	152.42	154.15	150.76	1.01	2.02	1.32
FW HTR E EXT P	218.15	219.23	216.58	.78	1.55	.71
BAROMETRIC P IN	29.10	29.11	29.08	.01	.02	.07
REL HUMIDITY %	7.53	7.55	7.51	.01	.02	.26
GAS LVG ECON (T)	581.55	583.81	578.87	1.92	3.84	.66
GAS LVG ECON (T)	563.87	565.95	561.27	1.24	2.48	.44
GAS LVG AH (T)	270.89	273.64	269.57	1.47	2.94	1.09
AIR ENT AH (T)	154.61	158.54	152.13	1.68	3.36	2.17
1ST STG STM FLW	384.84	387.92	381.64	1.76	3.51	.91
BLOW DOWN FLOW	0.00	0.00	0.00	0.00	0.00	0.00
GR FAN BUS VOLT	4160.00	4160.00	4160.00	0.00	0.00	0.00
TOTAL GR FLOW	276.34	276.75	274.93	.50	1.00	.36
GR TO SEC AIR	11.65	12.52	11.15	.49	.97	8.34
GR TO FURN	264.69	265.53	263.56	.73	1.47	.55
TMP AIR FLOW	28.46	33.92	22.84	4.12	8.24	28.96
% PWDR RVR BASN CO	0.00	0.00	0.00	0.00	0.00	0.00

CYCLONE STOIC	1.06	1.08	1.04	.01	.02	1.72
REBRN WB STOIC	.69	.71	.68	.01	.03	3.65
REBRN STOIC	.98	.99	.96	.01	.01	1.28
LVG FURN STOIC	1.14	1.15	1.14	.00	.01	.84
LVG ECON STOIC	1.16	1.17	1.15	.00	.01	.82
AMBIENT AIR DB TEM	0.00	0.00	0.00	0.00	0.00	0.00
GAS LVG RH PS T	590.11	591.46	587.47	1.04	2.07	.35
GAS LVG SH PS T	533.67	535.18	531.42	.99	1.99	.37
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	0.00
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	0.00
DRY BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	0.00
WET BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	0.00
AIR ENT AH P	0.00	0.00	0.00	0.00	0.00	0.00
AIR LVG AH P	0.00	0.00	0.00	0.00	0.00	0.00
CYC A TA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC A PA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC A TOT P	0.00	0.00	0.00	0.00	0.00	0.00
CYC B TA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC B PA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC B TOT P	0.00	0.00	0.00	0.00	0.00	0.00
CYC C TA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC C PA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC C TOT P	0.00	0.00	0.00	0.00	0.00	0.00
LVG SSH PLAT P	0.00	0.00	0.00	0.00	0.00	0.00
ENT PSH P	0.00	0.00	0.00	0.00	0.00	0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	0.00
GAS ENT AH P	0.00	0.00	0.00	0.00	0.00	0.00
GAS LVG AH P	0.00	0.00	0.00	0.00	0.00	0.00
SEC SH OUT P	0.00	0.00	0.00	0.00	0.00	0.00

TEST #3P : 58 MW : FORMAL PERFORMANCE TEST : REBURN IN SERVICE

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
O2 LVG ECON (T)	3.71	3.82	3.62	.06	.11	3.03
O2 LVG ECON (T)	2.93	3.10	2.77	.12	.24	8.13
CO2 LVG ECON (T)	15.33	15.41	15.23	.06	.13	.84
CO2 LVG ECON (T)	15.67	15.79	15.53	.09	.19	1.20
CO LVG ECON (T)	138.02	141.85	134.25	2.77	5.54	4.01
CO LVG ECON (T)	80.00	82.85	78.12	1.62	3.25	4.06
NOX LVG ECON (T)	296.35	308.78	278.27	11.02	22.04	7.44
NOX LVG ECON (T)	371.18	379.64	357.98	6.91	13.82	3.72
DRUM PRESS (T)	1479.67	1480.74	1478.67	.67	1.33	.09
ENT RH-1 P (T)	0.00	0.00	0.00	0.00	0.00	0.00
LVG RH-1 P (T)	212.31	214.44	210.10	1.74	3.48	1.64
SEC SH OUT P (T)	1459.27	1460.94	1457.54	.95	1.91	.13
FW HTR E EXT P	214.43	216.68	211.95	1.86	3.72	1.74
ECON H2O OUT T	499.15	509.40	497.37	3.43	6.86	1.37
ECON H2O OUT T	463.30	464.08	462.61	.42	.85	.18
AMBIENT AIR TEMP	62.58	64.31	61.38	.95	1.89	3.02
PRI SH OUT T	750.04	756.71	746.21	2.91	5.82	.78
PRI SH OUT T	784.27	786.29	782.60	1.22	2.43	.31
AIR LVG AH T	542.47	560.83	538.29	6.18	12.37	2.28
AIR LVG AH T	539.81	541.74	537.13	1.69	3.38	.63
AIR LVG FD FAN T	141.07	141.41	140.74	.22	.45	.32
AIR LVG FD FAN T	145.89	146.77	145.15	.45	.91	.62
RH SPRAY H2O T	274.04	283.05	272.65	3.00	6.01	2.19
FW HTR E ENT T	336.33	351.24	334.28	4.96	9.92	2.95
FW HTR E EXT T	645.05	646.36	643.04	.98	1.96	.30
ENT RH T	638.90	640.05	636.81	.98	1.95	.31
FW HTR E DRN T	351.75	376.32	348.74	8.15	16.31	4.64
FW HTR E LVG T	396.16	396.87	395.43	.57	1.14	.29
O2 LVG AH (T)	6.82	6.92	6.74	.06	.12	1.74
O2 LVG GR FAN (T)	0.00	0.00	0.00	0.00	0.00	0.00
CO2 LVG AH (T)	36.17	51.54	27.49	7.94	15.88	43.89
GAS TEMP LVG GR FA	568.30	572.47	564.19	3.12	6.24	1.10
AIR ENT FD FAN	102.07	102.55	101.52	.33	.66	.65
LOAD MW	57.67	58.26	57.04	.47	.95	1.64
MAIN STEAM FLOW	378.12	382.47	374.83	2.82	5.65	1.49
FW FLOW	387.14	392.36	382.25	3.11	6.23	1.61
RH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	0.00
SH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	0.00
SH SPRAY FLOW	2.76	3.40	0.00	1.97	3.95	142.99
GR FAN AMPS	.08	.08	.08	0.00	0.00	0.00
GR FAN AMPS	45.77	46.47	45.08	.42	.84	1.84
1st STG PRESS	507.35	513.03	502.74	3.90	7.81	1.54
OIL FLOW 2A	.00	.00	.00	0.00	0.00	0.00
OIL FLOW 2B	.00	.00	.00	0.00	0.00	0.00
OIL FLOW 2C	.00	.00	.00	0.00	0.00	0.00
SSH OUT T	995.61	1001.51	989.32	4.76	9.53	.96
SSH OUT T	997.48	1001.01	993.79	2.13	4.25	.43
SSH OUT AVE T	997.99	1000.50	995.55	1.51	3.01	.30
LVG SH ATTMP T	752.87	755.38	749.29	2.15	4.30	.57
LVG SH ATTMP T	737.33	744.18	730.83	5.60	11.21	1.52
ECON H2O IN T	397.62	398.39	396.64	.65	1.30	.33
LVG RH T	994.52	996.93	991.72	1.99	3.97	.40
COLD RH T	647.33	648.52	645.85	.81	1.62	.25
TURB THROT P	1449.92	1451.10	1449.13	.50	1.00	.07
DRUM PRESS	1486.62	1487.48	1485.81	.62	1.25	.08
LVG RH PRESS	209.55	211.94	207.07	1.75	3.50	1.67
ENT RH PRESS	221.21	223.36	218.29	1.91	3.82	1.73
O2 LVG ECON	2.64	2.80	2.45	.14	.27	10.31
O2 LVG ECON	3.63	3.69	3.49	.06	.12	3.39

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
CYC A COAL FLOW KL	16.79	17.10	16.57	.17	.34	2.04
CYC B COAL FLOW KL	-.01	-.01	-.01	0.00	0.00	0.00
CYC C COAL FLOW KL	16.76	17.07	16.55	.17	.35	2.07
CYC A SEC AIR FLOW	158.83	160.94	156.43	1.67	3.34	2.10
CYC B SEC AIR FLOW	2.45	3.81	1.15	.73	1.46	59.71
CYC C SEC AIR FLOW	150.06	152.34	148.45	1.36	2.71	1.81
CYC A SEC AIR T	499.81	500.99	497.70	1.04	2.08	.42
CYC B SEC AIR T	524.54	525.55	523.11	.91	1.83	.35
CYC C SEC AIR T	501.48	502.69	500.17	.97	1.94	.39
RH SP VLV POS	-5.00	-5.00	-5.00	0.00	0.00	0.00
SH SP VLV POS	38.76	41.87	35.88	2.21	4.41	11.39
SH SP VLV POS	0.00	0.00	0.00	0.00	0.00	0.00
GR DMPR DEMAND	94.37	94.37	94.37	0.00	0.00	0.00
RECIRC AIR DMPR P	0.00	0.00	0.00	0.00	0.00	0.00
SH PASS DMPR P	.11	.25	.04	.07	.14	123.43
RH PASS DMPR P	100.00	100.00	100.00	0.00	0.00	0.00
FURNACE GAS P IN	8.46	8.57	8.31	.09	.18	2.13
AIR ENT AH T	145.75	146.67	145.45	.34	.68	.47
AIR ENT AH T	144.73	145.56	144.17	.37	.75	.52
AIR ENT AH T	139.88	140.21	139.63	.21	.43	.31
AIR ENT AH T	141.39	141.77	141.15	.20	.41	.29
GAS LVG AH T	287.38	287.83	286.16	.48	.95	.33
GAS LVG AH T	264.60	265.01	264.30	.25	.50	.19
GAS LVG AH T	262.71	264.95	261.54	1.13	2.25	.86
GAS LVG AH T	265.96	268.02	265.07	1.00	2.01	.75
BRN SA/GR T	531.31	533.63	528.39	1.84	3.68	.69
BRN SEC AIR T	536.23	537.41	533.87	1.24	2.47	.46
GAS LVG RH PASS	586.06	593.71	578.92	5.67	11.34	1.93
GAS LVG RH PASS	599.61	601.26	596.52	1.69	3.39	.57
GAS LVG RH PASS	0.00	0.00	0.00	0.00	0.00	0.00
GAS LVG RH PASS	619.59	621.46	616.63	1.60	3.21	.52
GAS LVG RH PASS	576.30	582.10	570.18	4.60	9.20	1.60
GAS LVG RH PASS	586.45	588.46	583.11	1.69	3.37	.57
GAS LVG RH PASS	592.76	594.01	589.75	1.49	2.99	.50
GAS LVG RH PASS	590.31	591.38	588.24	1.02	2.05	.35
GAS LVG RH PASS	585.36	589.48	580.78	3.17	6.34	1.08
GAS LVG RH PASS	607.40	608.61	604.74	1.14	2.28	.38
GAS LVG RH PASS	600.73	602.09	599.33	.97	1.95	.32
GAS LVG RH PASS	599.88	600.42	599.03	.49	.97	.16
GAS LVG SH PASS	-290.14	-288.26	-292.99	1.71	3.43	-1.18
GAS LVG SH PASS	529.89	530.97	529.14	.50	.99	.19
GAS LVG SH PASS	537.68	540.01	534.93	1.72	3.45	.64
GAS LVG SH PASS	548.97	550.04	547.55	.71	1.41	.26
GAS LVG SH PASS	505.18	509.00	501.06	3.10	6.20	1.23
GAS LVG SH PASS	518.01	519.55	515.26	1.43	2.86	.55
GAS LVG SH PASS	518.95	520.28	517.67	.84	1.68	.32
GAS LVG SH PASS	551.46	553.26	548.79	1.23	2.47	.45
GAS LVG SH PASS	529.81	533.91	527.35	2.03	4.06	.77
GAS LVG SH PASS	534.62	540.78	529.37	4.15	8.31	1.55
GAS LVG SH PASS	529.99	533.80	526.48	2.56	5.13	.97
GAS LVG SH PASS	-428.40	-425.23	-430.49	1.91	3.82	-.89
OFA TEMP	488.82	490.17	487.68	.80	1.61	.33
PSH OUT LEG T	785.55	787.74	782.80	1.69	3.39	.43
PSH OUT LEG T	791.87	793.69	789.77	1.13	2.25	.28
PSH OUT LEG T	711.41	713.71	708.42	1.80	3.60	.51
PSH OUT LEG T	731.41	734.33	727.90	2.27	4.53	.62
PSH OUT LEG T	766.97	769.47	763.54	2.14	4.29	.56
PSH OUT LEG T	786.29	788.20	783.34	1.70	3.39	.43
PSH OUT LEG T	762.36	764.18	759.98	1.26	2.52	.33
PSH OUT LEG T	801.61	804.19	799.84	1.47	2.94	.37
PSH OUT LEG T	765.59	768.01	763.98	1.41	2.83	.37
PSH OUT LEG T	789.80	790.77	787.64	1.01	2.01	.25
PSH OUT LEG T	798.67	799.50	796.75	.91	1.82	.23
PULV INLET T	477.85	478.97	475.87	1.08	2.17	.45

PULV OUTLET T	170.07	171.74	166.13	2.08	4.16	2.44
RH PEND IN LEG	941.52	944.49	938.06	1.99	3.98	.42
RH PEND IN LEG	939.56	942.44	935.36	2.37	4.74	.50
RH PEND IN LEG	937.60	940.59	933.85	2.10	4.21	.45
RH PEND IN LEG	937.10	940.03	933.02	2.29	4.58	.49
RH PEND IN LEG	0.00	0.00	0.00	0.00	0.00	0.00
RH PEND IN LEG	956.90	960.51	951.31	3.11	6.22	.65
RH PEND IN LEG	919.91	926.17	911.43	4.99	9.97	1.08
RH PEND IN LEG	923.94	928.74	919.23	3.09	6.17	.67
RH PEND IN LEG	941.48	944.47	937.81	2.11	4.21	.45
RH PEND IN LEG	889.05	916.80	865.44	20.71	41.42	4.66
SSH PEND IN LEG	818.62	826.41	812.77	5.36	10.72	1.31
SSH PEND IN LEG	846.20	853.15	841.56	4.07	8.14	.96
SSH PEND IN LEG	867.43	870.88	863.38	2.84	5.67	.65
SSH PEND IN LEG	885.64	893.28	877.75	4.79	9.58	1.08
SSH PEND IN LEG	871.20	881.33	860.98	6.45	12.90	1.48
SSH PEND IN LEG	892.08	901.73	882.59	6.21	12.42	1.39
SSH PEND IN LEG	893.54	900.07	886.15	4.94	9.89	1.11
SSH PEND IN LEG	880.11	882.62	877.94	1.71	3.42	.39
SSH PEND IN LEG	876.26	881.81	870.41	4.28	8.55	.98
SSH PEND IN LEG	861.90	882.69	845.39	14.50	28.99	3.36
RH INTM HND HOLE	938.17	940.41	934.66	1.82	3.65	.39
RH INTM HND HOLE	822.41	841.59	810.44	12.26	24.52	2.98
BRN GAS REC DMPR P	78.24	100.00	55.01	16.62	33.23	42.48
OVERFIRE AIR DMPR P	25.52	25.85	25.28	.18	.37	1.44
BRN SEC AIR DMPR P	30.28	30.74	29.50	.49	.98	3.25
FLAME INTENSITY #1	106.13	106.19	0.00	33.56	67.12	63.25
FLAME INTENSITY #2	105.72	105.84	105.64	.08	.15	.14
FLAME INTENSITY #3	104.30	105.81	101.93	1.27	2.54	2.44
FLAME INTENSITY #4	105.70	106.00	105.07	.27	.53	.50
PULV DIFF P IN WG	5.52	5.61	5.46	.06	.11	2.08
PULV AMPS	195.02	196.39	194.25	.85	1.71	.88
ROT CLASS AMPS	42.59	42.75	42.48	.10	.21	.49
PULV PA FAN AMPS	30.26	32.04	29.10	.83	1.65	5.46
PULV PA FLOW	48.05	48.18	47.93	.09	.17	.35
SEC AIR FLOW	44.73	45.51	44.01	.54	1.08	2.42
OFA AIR FLOW	69.42	72.53	66.87	1.71	3.42	4.92
GR TO SEC AIR	12.88	13.33	12.59	.25	.49	3.83
BRN SEC AIR P IN	13.31	13.46	13.10	.12	.25	1.87
O2 IN SEC AIR	17.00	17.10	16.82	.09	.19	1.10
BRN GAS REC P IN	12.83	12.88	12.72	.05	.11	.84
ROT CLASS PPM	155.03	155.06	155.00	.02	.04	.03
PULV COAL FLOW KL	16.03	16.30	15.87	.14	.28	1.75
ACCUREX CO PPM	61.66	63.32	58.07	1.62	3.24	5.26
ACCUREX NOX PPM	296.17	310.17	275.12	13.24	26.48	8.94
ACCUREX O2 %	4.33	4.43	4.21	.05	.11	2.51
ACCUREX SOX PPM	1073.23	1081.79	1057.60	6.94	13.88	1.29
COAL SILO LEVEL	78.99	94.98	59.97	16.32	32.64	41.32
ROT CLASS DP IN WG	.27	.29	.26	.01	.02	7.44
HOT PRI AIR DMPR P	99.43	100.00	98.88	.34	.69	.69
AIR LVG FD FAN T	137.76	138.19	137.47	.25	.49	.36
AIR LVG FD FAN T	142.85	143.64	142.13	.46	.92	.64
FW HTR E EXT P	212.33	214.37	210.01	1.82	3.64	1.71
BAROMETRIC P IN	29.34	29.36	29.32	.02	.03	.11
REL HUMIDITY %	7.66	7.67	7.65	.01	.01	.15
GAS LVG ECON (T)	589.22	591.04	586.28	1.74	3.48	.59
GAS LVG ECON (T)	558.87	560.34	556.97	1.03	2.06	.37
GAS LVG AH (T)	263.91	264.77	263.40	.48	.95	.36
AIR ENT AH (T)	144.00	144.64	143.60	.29	.58	.40
1ST STG STM FLW	375.14	379.12	371.92	2.73	5.47	1.46
BLOW DOWN FLOW	0.00	0.00	0.00	0.00	0.00	0.00
GR FAN BUS VOLT	4160.00	4160.00	4160.00	0.00	0.00	0.00
TOTAL GR FLOW	276.95	277.48	276.17	.43	.86	.31
GR TO SEC AIR	12.61	13.14	12.25	.27	.53	4.21
GR TO FURN	264.34	265.00	263.19	.61	1.22	.46
TMP AIR FLOW	40.72	47.48	35.84	3.94	7.87	19.34
% PWDR RVR BASN CO	0.00	0.00	0.00	0.00	0.00	0.00

CYCLONE STOIC	1.06	1.07	1.05	.01	.02	1.68
REBRN WB STOIC	.72	.73	.70	.01	.02	2.82
REBRN STOIC	1.01	1.02	1.00	.01	.01	1.33
LVG FURN STOIC	1.17	1.18	1.17	.00	.01	.75
LVG ECON STOIC	1.19	1.20	1.18	.00	.01	.75
AMBIENT AIR DB TEM	0.00	0.00	0.00	0.00	0.00	0.00
GAS LVG RH PS T	594.95	597.01	591.76	1.86	3.72	.63
GAS LVG SH PS T	530.46	532.59	528.59	1.27	2.54	.48
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	0.00
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	0.00
DRY BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	0.00
WET BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	0.00
AIR ENT AH P	0.00	0.00	0.00	0.00	0.00	0.00
AIR LVG AH P	0.00	0.00	0.00	0.00	0.00	0.00
CYC A TA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC A PA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC A TOT P	0.00	0.00	0.00	0.00	0.00	0.00
CYC B TA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC B PA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC B TOT P	0.00	0.00	0.00	0.00	0.00	0.00
CYC C TA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC C PA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC C TOT P	0.00	0.00	0.00	0.00	0.00	0.00
LVG SSH PLAT P	0.00	0.00	0.00	0.00	0.00	0.00
ENT PSH P	0.00	0.00	0.00	0.00	0.00	0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	0.00
GAS ENT AH P	0.00	0.00	0.00	0.00	0.00	0.00
GAS LVG AH P	0.00	0.00	0.00	0.00	0.00	0.00
SEC SH OUT P	0.00	0.00	0.00	0.00	0.00	0.00

TEST #4P : 58 MW : FORMAL PERFORMANCE TEST : WITH SOOTBLOWING

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
O2 LVG ECON (T)	3.96	4.33	3.59	.26	.52	13.05
O2 LVG ECON (T)	2.95	3.66	2.62	.33	.66	22.37
CO2 LVG ECON (T)	15.25	15.55	14.97	.21	.41	2.70
CO2 LVG ECON (T)	15.77	16.04	15.16	.28	.57	3.59
CO LVG ECON (T)	118.05	124.05	110.77	4.99	9.98	8.45
CO LVG ECON (T)	79.35	83.16	73.86	2.63	5.26	6.63
NOX LVG ECON (T)	304.89	331.03	292.90	9.68	19.36	6.35
NOX LVG ECON (T)	331.23	344.31	322.67	5.57	11.15	3.36
DRUM PRESS (T)	1480.53	1481.79	1478.06	.98	1.95	.13
ENT RH-1 P (T)	0.00	0.00	0.00	0.00	0.00	0.00
LVG RH-1 P (T)	214.48	217.10	211.09	2.06	4.11	1.92
SEC SH OUT P (T)	1459.51	1460.35	1457.53	.80	1.60	.11
FW HTR E EXT P	216.57	219.48	213.23	2.17	4.34	2.01
ECON H2O OUT T	494.68	497.54	489.01	2.28	4.56	.92
ECON H2O OUT T	460.37	470.08	458.03	3.13	6.27	1.36
AMBIENT AIR TEMP	66.76	69.90	64.06	1.96	3.93	5.88
PRI SH OUT T	727.07	749.43	717.90	9.93	19.86	2.73
PRI SH OUT T	761.36	784.19	746.95	8.61	17.22	2.26
AIR LVG AH T	530.35	533.66	526.81	2.03	4.06	.77
AIR LVG AH T	531.69	535.34	526.18	3.72	7.43	1.40
AIR LVG FD FAN T	144.58	145.71	143.76	.60	1.20	.83
AIR LVG FD FAN T	145.48	146.50	144.76	.53	1.07	.73
RH SPRAY H2O T	273.59	274.11	273.15	.36	.71	.26
FW HTR E ENT T	335.39	336.15	334.44	.53	1.07	.32
FW HTR E EXT T	640.03	648.88	633.78	4.38	8.76	1.37
ENT RH T	633.53	640.95	627.51	4.24	8.49	1.34
FW HTR E DRN T	348.95	350.05	348.07	.57	1.15	.33
FW HTR E LVG T	396.87	397.91	395.62	.79	1.59	.40
O2 LVG AH (T)	10.97	11.69	7.23	1.22	2.43	22.20
O2 LVG GR FAN (T)	0.00	0.00	0.00	0.00	0.00	0.00
CO2 LVG AH (T)	40.79	66.96	14.23	13.81	27.62	67.71
GAS TEMP LVG GR FA	563.40	566.13	561.23	1.33	2.65	.47
AIR ENT FD FAN	104.52	106.58	102.84	1.13	2.27	2.17
LOAD MW	57.92	58.67	57.03	.57	1.14	1.97
MAIN STEAM FLOW	382.06	385.98	374.50	3.78	7.56	1.98
FW FLOW	392.58	399.27	384.12	4.28	8.56	2.18
RH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	0.00
SH SPRAY FLOW	3.68	3.68	0.00	3.68	7.35	200.00
SH SPRAY FLOW	2.69	5.68	0.00	2.30	4.60	170.96
GR FAN AMPS	.08	.08	.08	0.00	0.00	0.00
GR FAN AMPS	45.78	47.23	44.27	.66	1.31	2.87
1st STG PRESS	513.71	522.54	502.19	5.76	11.52	2.24
OIL FLOW 2A	.00	.00	.00	.00	.00	7.84
OIL FLOW 2B	.00	.00	.00	0.00	0.00	0.00
OIL FLOW 2C	.00	.00	.00	0.00	0.00	0.00
SSH OUT T	978.17	1002.62	967.76	9.02	18.04	1.84
SSH OUT T	997.41	1011.02	975.71	12.14	24.28	2.43
SSH OUT AVE T	990.24	997.68	978.02	5.68	11.36	1.15
LVG SH ATTMP T	726.29	737.13	720.98	4.95	9.90	1.36
LVG SH ATTMP T	736.91	758.91	721.64	11.32	22.64	3.07
ECON H2O IN T	398.14	399.25	396.72	.87	1.75	.44
LVG RH T	976.33	993.15	960.53	9.99	19.98	2.05
COLD RH T	642.17	650.87	635.59	4.53	9.06	1.41
TURB THROT P	1449.98	1451.56	1447.88	.86	1.72	.12
DRUM PRESS	1487.21	1488.39	1483.85	1.22	2.43	.16
LVG RH PRESS	211.52	214.19	208.56	2.01	4.01	1.90
ENT RH PRESS	223.67	226.53	219.94	2.27	4.54	2.03
O2 LVG ECON	2.67	3.43	2.32	.35	.70	26.18
O2 LVG ECON	3.95	4.23	3.57	.26	.52	13.11

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
CYC A COAL FLOW KL	16.82	17.27	15.99	.36	.73	4.34
CYC B COAL FLOW KL	-.01	-.01	-.01	0.00	0.00	0.00
CYC C COAL FLOW KL	16.78	17.22	15.92	.37	.74	4.43
CYC A SEC AIR FLOW	159.13	162.90	154.73	2.56	5.12	3.22
CYC B SEC AIR FLOW	3.83	4.33	3.03	.34	.68	17.86
CYC C SEC AIR FLOW	149.11	152.39	144.52	2.39	4.77	3.20
CYC A SEC AIR T	492.67	494.64	490.78	1.27	2.54	.52
CYC B SEC AIR T	519.53	522.20	515.11	2.89	5.78	1.11
CYC C SEC AIR T	498.19	500.91	493.51	3.12	6.24	1.25
RH SP VLV POS	-5.00	-5.00	-5.00	0.00	0.00	0.00
SH SP VLV POS	31.79	47.22	13.12	7.46	14.93	46.94
~~SH SP VLV POS~~	~~27.22~~	~~35.71~~	~~0.00~~	~~26.29~~	~~52.58~~	~~193.17~~
GR DMPR DEMAND	97.21	101.76	70.16	10.21	20.43	21.02
RECIRC AIR DMPR P	0.00	0.00	0.00	0.00	0.00	0.00
SH PASS DMPR P	.49	5.64	.01	1.55	3.10	636.68
RH PASS DMPR P	100.00	100.00	100.00	0.00	0.00	0.00
FURNACE GAS P IN	8.56	8.84	8.26	.14	.28	3.24
AIR ENT AH T	146.50	147.52	145.58	.60	1.20	.82
AIR ENT AH T	144.58	145.61	143.79	.54	1.08	.75
AIR ENT AH T	143.28	144.44	142.39	.64	1.29	.90
AIR ENT AH T	144.59	145.72	143.59	.66	1.32	.91
GAS LVG AH T	287.85	288.87	285.99	1.19	2.38	.83
GAS LVG AH T	265.88	266.87	264.04	1.15	2.30	.86
GAS LVG AH T	266.17	266.66	264.88	.66	1.32	.49
GAS LVG AH T	271.04	271.82	270.08	.64	1.28	.47
BRN SA/GR T	527.59	529.74	523.59	2.66	5.33	1.01
BRN SEC AIR T	530.79	533.75	525.53	3.21	6.42	1.21
GAS LVG RH PASS	572.33	578.79	565.59	4.11	8.23	1.44
GAS LVG RH PASS	585.12	590.52	578.74	4.15	8.29	1.42
GAS LVG RH PASS	0.00	0.00	0.00	0.00	0.00	0.00
GAS LVG RH PASS	606.43	611.80	599.84	3.91	7.81	1.29
GAS LVG RH PASS	567.86	576.09	560.61	4.72	9.44	1.66
GAS LVG RH PASS	573.99	580.69	565.92	4.76	9.52	1.66
GAS LVG RH PASS	585.22	590.05	578.28	3.65	7.30	1.25
GAS LVG RH PASS	581.74	586.11	576.45	3.23	6.46	1.11
GAS LVG RH PASS	578.54	585.43	570.91	4.30	8.60	1.49
GAS LVG RH PASS	598.48	605.84	591.13	5.07	10.15	1.70
GAS LVG RH PASS	594.64	598.21	587.89	3.05	6.11	1.03
GAS LVG RH PASS	594.36	597.39	589.54	2.56	5.13	.86
GAS LVG SH PASS	-285.61	-282.53	-292.91	2.63	5.26	-1.84
GAS LVG SH PASS	526.08	532.16	523.40	2.53	5.07	.96
GAS LVG SH PASS	533.35	538.62	528.67	3.69	7.37	1.38
GAS LVG SH PASS	546.00	553.06	542.69	2.89	5.78	1.06
GAS LVG SH PASS	505.40	508.64	499.95	3.30	6.61	1.31
GAS LVG SH PASS	512.37	519.92	508.80	3.84	7.69	1.50
GAS LVG SH PASS	515.06	521.29	512.00	2.88	5.77	1.12
GAS LVG SH PASS	547.46	553.42	544.09	3.40	6.79	1.24
GAS LVG SH PASS	530.18	537.32	524.40	4.30	8.60	1.62
GAS LVG SH PASS	536.58	543.74	526.55	5.94	11.89	2.22
GAS LVG SH PASS	531.72	536.17	526.19	3.38	6.77	1.27
GAS LVG SH PASS	-425.18	-419.38	-434.49	5.38	10.76	-2.53
OFA TEMP	484.94	486.81	481.06	2.46	4.93	1.02
PSH OUT LEG T	759.86	794.13	750.97	12.33	24.65	3.24
PSH OUT LEG T	767.52	807.44	755.42	14.13	28.25	3.68
PSH OUT LEG T	696.50	723.57	688.64	10.02	20.04	2.88
PSH OUT LEG T	712.54	740.35	705.05	9.82	19.65	2.76
PSH OUT LEG T	743.65	767.45	735.96	8.45	16.90	2.27
PSH OUT LEG T	759.80	785.73	751.17	9.36	18.72	2.46
PSH OUT LEG T	737.14	771.64	727.68	11.63	23.25	3.15
PSH OUT LEG T	776.83	807.24	762.18	10.93	21.86	2.81
PSH OUT LEG T	745.98	775.96	731.88	10.42	20.85	2.79
PSH OUT LEG T	771.31	795.48	756.90	9.41	18.83	2.44
PSH OUT LEG T	780.39	805.24	764.75	10.04	20.09	2.57
PULV INLET T	477.89	480.11	474.09	2.42	4.84	1.01

PULV OUTLET T	166.04	169.55	163.93	1.35	2.71	1.63
RH PEND IN LEG	925.29	942.25	907.92	10.97	21.94	2.37
RH PEND IN LEG	922.85	936.87	901.21	13.31	26.63	2.89
RH PEND IN LEG	921.43	937.23	903.09	11.39	22.79	2.47
RH PEND IN LEG	920.78	935.81	900.66	12.35	24.70	2.68
RH PEND IN LEG	0.00	0.00	0.00	0.00	0.00	0.00
RH PEND IN LEG	938.31	958.33	918.92	12.30	24.61	2.62
RH PEND IN LEG	902.90	927.99	889.04	11.53	23.07	2.55
RH PEND IN LEG	907.94	930.09	896.14	9.96	19.93	2.19
RH PEND IN LEG	924.71	941.30	906.18	11.50	22.99	2.49
RH PEND IN LEG	870.28	884.52	855.27	9.48	18.97	2.18
SSH PEND IN LEG	829.56	846.65	815.45	12.12	24.25	2.92
SSH PEND IN LEG	862.11	878.85	843.55	12.68	25.36	2.94
SSH PEND IN LEG	884.68	904.66	862.34	13.63	27.25	3.08
SSH PEND IN LEG	906.97	934.06	879.37	17.01	34.03	3.75
SSH PEND IN LEG	890.57	914.29	862.87	16.89	33.78	3.79
SSH PEND IN LEG	898.71	909.37	880.87	10.45	20.90	2.33
SSH PEND IN LEG	880.46	887.08	869.30	4.45	8.90	1.01
SSH PEND IN LEG	864.86	874.79	853.97	5.63	11.25	1.30
SSH PEND IN LEG	861.22	870.12	854.43	4.54	9.09	1.06
SSH PEND IN LEG	841.77	851.48	835.52	4.85	9.70	1.15
RH INTM HND HOLE	925.73	942.92	910.32	9.35	18.70	2.02
RH INTM HND HOLE	815.55	825.18	806.23	5.72	11.43	1.40
BRN GAS REC DMPR P	44.74	49.60	35.96	3.91	7.82	17.47
OVRFIRE AIR DMPR P	26.06	26.33	25.36	.25	.50	1.90
BRN SEC AIR DMPR P	28.95	30.21	28.59	.41	.82	2.82
FLAME INTENSITY #1	106.12	106.21	0.00	30.63	61.27	57.74
FLAME INTENSITY #2	105.67	105.87	105.36	.14	.28	.27
FLAME INTENSITY #3	104.82	106.20	0.00	52.44	104.89	100.06
FLAME INTENSITY #4	105.36	106.17	0.00	30.42	60.84	57.74
PULV DIFF P IN WG	5.73	5.85	5.61	.06	.12	2.02
PULV AMPS	197.43	198.62	195.97	.71	1.43	.72
ROT CLASS AMPS	42.40	42.51	42.26	.08	.16	.38
PULV PA FAN AMPS	30.11	31.32	29.15	.68	1.35	4.49
PULV PA FLOW	48.05	48.15	47.90	.07	.15	.30
SEC AIR FLOW	43.46	44.93	42.98	.48	.95	2.19
OFA AIR FLOW	72.78	76.31	68.93	1.75	3.50	4.81
GR TO SEC AIR	13.00	13.42	12.72	.17	.35	2.67
BRN SEC AIR P IN	13.04	13.42	12.76	.18	.36	2.74
O2 IN SEC AIR	16.93	17.19	16.83	.10	.20	1.20
BRN GAS REC P IN	12.67	13.00	12.36	.16	.33	2.60
ROT CLASS RPM	155.04	155.09	155.00	.03	.05	.03
PULV COAL FLOW KL	16.59	16.98	15.78	.29	.58	3.51
ACCUREX CO PPM	61.37	66.13	55.04	3.37	6.74	10.98
ACCUREX NOX PPM	286.48	305.57	279.52	7.06	14.11	4.93
ACCUREX O2 %	4.61	5.02	4.26	.23	.47	10.16
ACCUREX SOX PPM	1018.33	1029.02	1007.76	6.60	13.19	1.30
COAL SILO LEVEL	77.61	94.72	59.53	14.68	29.37	37.84
ROT CLASS DP IN WG	.28	.29	.26	.01	.02	6.65
HOT PRI AIR DMPR P	99.33	100.00	98.32	.40	.80	.80
AIR LVG FD FAN T	141.20	142.43	140.35	.66	1.32	.94
AIR LVG FD FAN T	142.37	143.43	141.73	.55	1.10	.77
FW HTR E EXT P	214.41	217.17	211.49	2.07	4.15	1.94
BAROMETRIC P IN	29.41	29.42	29.40	.00	.01	.03
REL HUMIDITY %	7.62	7.64	7.60	.01	.03	.36
GAS LVG ECON (T)	575.61	580.59	567.61	3.89	7.79	1.35
GAS LVG ECON (T)	554.56	557.63	552.12	1.57	3.13	.56
GAS LVG AH (T)	266.75	267.46	265.42	.79	1.59	.59
AIR ENT AH (T)	145.66	146.74	144.78	.58	1.16	.80
1ST STG STM FLW	379.59	385.78	371.53	4.03	8.07	2.12
BLOW DOWN FLOW	0.00	0.00	0.00	0.00	0.00	0.00
GR FAN BUS VOLT	4160.00	4160.00	4160.00	0.00	0.00	0.00
TOTAL GR FLOW	275.29	276.12	0.00	158.94	317.87	115.47
GR TO SEC AIR	12.72	12.87	0.00	7.34	14.69	115.48
GR TO FURN	262.57	263.50	0.00	151.59	303.19	115.47
TMP AIR FLOW	32.18	42.16	0.00	19.29	38.58	119.87
% PWDR RVR BASN CO	0.00	0.00	0.00	0.00	0.00	0.00

CYCLONE STOIC	1.08	1.10	0.00	.63	1.25	115.48
REBRN WB STOIC	.68	.69	0.00	.39	.79	115.49
REBRN STOIC	1.01	1.03	0.00	.58	1.16	115.49
LVG FURN STOIC	1.18	1.20	0.00	.68	1.36	115.49
LVG ECON STOIC	1.19	1.22	0.00	.69	1.38	115.49
AMBIENT AIR DB TEM	0.00	0.00	0.00	0.00	0.00	0.00
GAS LVG RH PS T	584.24	590.66	0.00	337.33	674.65	115.48
GAS LVG SH PS T	529.32	533.58	0.00	305.61	611.22	115.47
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	0.00
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	0.00
DRY BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	0.00
WET BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	0.00
AIR ENT AH P	0.00	0.00	0.00	0.00	0.00	0.00
AIR LVG AH P	0.00	0.00	0.00	0.00	0.00	0.00
CYC A TA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC A PA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC A TOT P	0.00	0.00	0.00	0.00	0.00	0.00
CYC B TA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC B PA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC B TOT P	0.00	0.00	0.00	0.00	0.00	0.00
CYC C TA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC C PA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC C TOT P	0.00	0.00	0.00	0.00	0.00	0.00
LVG SSH PLAT P	0.00	0.00	0.00	0.00	0.00	0.00
ENT PSH P	0.00	0.00	0.00	0.00	0.00	0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	0.00
GAS ENT AH P	0.00	0.00	0.00	0.00	0.00	0.00
GAS LVG AH P	0.00	0.00	0.00	0.00	0.00	0.00
SEC SH OUT P	0.00	0.00	0.00	0.00	0.00	0.00

TEST #5P : 110 MW : FORMAL PERFORMANCE TEST : REBURN IN SERVICE

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
O2 LVG ECON (T)	3.18	3.87	3.06	.18	.35	11.02
O2 LVG ECON (T)	2.89	2.96	2.84	.04	.07	2.58
CO2 LVG ECON (T)	15.82	16.06	15.24	.18	.36	2.27
CO2 LVG ECON (T)	15.60	15.64	15.55	.03	.05	.35
CO LVG ECON (T)	81.96	105.76	66.96	11.95	23.91	29.17
CO LVG ECON (T)	45.69	52.98	38.72	4.89	9.78	21.41
NOX LVG ECON (T)	260.20	269.82	252.40	3.80	7.60	2.92
NOX LVG ECON (T)	316.08	332.93	297.43	10.93	21.85	6.91
DRUM PRESS (T)	1592.54	1594.38	1590.53	1.09	2.18	.14
ENT RH-1 P (T)	0.00	0.00	0.00	0.00	0.00	0.00
LVG RH-1 P (T)	436.19	438.05	434.52	1.04	2.09	.49
SEC SH OUT P (T)	1492.69	1493.89	1491.93	.53	1.06	.07
FW HTR E EXT P	443.46	445.46	441.42	1.23	2.45	.55
ECON H2O OUT T	513.47	515.43	510.91	1.42	2.85	.55
ECON H2O OUT T	518.82	522.37	513.59	2.73	5.46	1.05
AMBIENT AIR TEMP	68.06	70.42	64.06	2.15	4.30	6.31
PRI SH OUT T	778.34	794.76	761.50	9.58	19.17	2.46
PRI SH OUT T	806.61	819.64	793.45	8.09	16.19	2.01
AIR LVG AH T	611.94	632.61	594.03	11.18	22.36	3.65
AIR LVG AH T	554.68	563.94	544.62	6.00	12.01	2.16
AIR LVG FD FAN T	123.27	126.18	119.97	1.71	3.41	2.77
AIR LVG FD FAN T	128.59	131.80	126.17	1.69	3.38	2.63
RH SPRAY H2O T	316.12	316.41	315.75	.22	.45	.14
FW HTR E ENT T	383.33	384.03	382.45	.55	1.10	.29
FW HTR E EXT T	744.83	746.29	744.01	.52	1.04	.14
ENT RH T	667.79	696.13	609.31	26.28	52.55	7.87
FW HTR E DRN T	406.40	427.90	403.45	5.27	10.54	2.59
FW HTR E LVG T	458.12	464.67	456.92	1.64	3.28	.72
O2 LVG AH (T)	4.41	5.08	4.16	.27	.53	12.08
O2 LVG GR FAN (T)	0.00	0.00	0.00	0.00	0.00	0.00
CO2 LVG AH (T)	39.43	77.58	19.94	15.29	30.59	77.57
GAS TEMP LVG GR FA	0.00	0.00	0.00	0.00	0.00	0.00
AIR ENT FD FAN	95.58	98.14	93.03	1.52	3.05	3.19
LOAD MW	110.26	110.80	109.93	.21	.43	.39
MAIN STEAM FLOW	774.72	776.39	772.56	1.08	2.16	.28
FW FLOW	790.71	792.59	788.99	1.15	2.31	.29
RH SPRAY FLOW	13.83	19.55	10.18	3.31	6.62	47.85
SH SPRAY FLOW	9.30	13.11	4.16	2.78	5.55	59.75
SH SPRAY FLOW	16.63	21.47	9.07	4.12	8.25	49.59
GR FAN AMPS	24.36	24.75	24.12	.18	.37	1.50
GR FAN AMPS	-.02	-.02	-.02	.00	.00	-11.07
1st STG PRESS	1072.97	1075.49	1068.92	1.77	3.54	.33
OIL FLOW 2A	.00	.00	.00	.00	.00	7.25
OIL FLOW 2B	.00	.00	.00	0.00	0.00	0.00
OIL FLOW 2C	.00	.00	.00	0.00	0.00	0.00
SSH OUT T	998.52	999.78	997.27	.56	1.13	.11
SSH OUT T	999.62	1002.50	997.40	1.24	2.47	.25
SSH OUT AVE T	1000.71	1002.87	998.52	1.21	2.41	.24
LVG SH ATTMP T	747.02	749.15	741.51	2.11	4.23	.57
LVG SH ATTMP T	743.72	756.61	734.61	7.27	14.55	1.96
ECON H2O IN T	461.19	462.61	460.14	.59	1.17	.25
LVG RH T	999.62	1006.56	995.72	2.99	5.99	.60
COLD RH T	748.45	750.06	747.72	.53	1.07	.14
TURB THROT P	1449.89	1450.94	1449.10	.41	.82	.06
DRUM PRESS	1600.42	1602.48	1597.14	1.73	3.46	.22
LVG RH PRESS	431.62	433.47	430.09	.91	1.82	.42
ENT RH PRESS	460.08	462.21	457.56	1.50	3.00	.65
O2 LVG ECON	2.88	2.99	2.80	.04	.09	3.07
O2 LVG ECON	2.94	3.04	2.85	.05	.09	3.12

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
CYC A COAL FLOW KL	21.58	21.77	21.44	.10	.20	.93
CYC B COAL FLOW KL	21.57	21.79	21.41	.10	.20	.92
CYC C COAL FLOW KL	21.54	21.74	21.38	.10	.19	.90
CYC A SEC AIR FLOW	204.73	206.18	203.51	.98	1.96	.96
CYC B SEC AIR FLOW	202.95	205.50	200.71	1.39	2.78	1.37
CYC C SEC AIR FLOW	204.37	205.90	201.79	1.14	2.28	1.12
CYC A SEC AIR T	552.19	564.59	538.82	8.50	17.01	3.08
CYC B SEC AIR T	574.75	586.99	561.53	8.24	16.49	2.87
CYC C SEC AIR T	513.88	522.53	506.95	5.11	10.23	1.99
RH SP VLV POS	56.14	61.59	52.16	3.57	7.14	12.71
~~SH SP VLV POS~~	~~50.84~~	~~61.15~~	~~37.40~~	~~8.17~~	~~16.34~~	~~32.14~~
SH SP VLV POS	39.03	44.66	33.04	3.61	7.23	18.51
GR DMPR DEMAND	-5.00	-5.00	-5.00	0.00	0.00	0.00
RECIRC AIR DMPR P	0.00	0.00	0.00	0.00	0.00	0.00
SH PASS DMPR P	100.00	100.00	100.00	0.00	0.00	0.00
RH PASS DMPR P	20.61	32.09	2.60	8.07	16.13	78.28
FURNACE GAS P IN	20.33	20.73	19.64	.26	.52	2.55
AIR ENT AH T	128.73	131.68	126.89	1.58	3.15	2.45
AIR ENT AH T	127.24	130.50	125.19	1.65	3.30	2.59
AIR ENT AH T	124.23	127.23	121.91	1.59	3.18	2.56
AIR ENT AH T	123.70	126.56	121.22	1.56	3.12	2.52
GAS LVG AH T	318.40	326.05	312.98	4.41	8.83	2.77
GAS LVG AH T	297.36	304.13	292.35	3.96	7.93	2.67
GAS LVG AH T	276.89	280.76	274.84	1.85	3.71	1.34
GAS LVG AH T	284.75	288.82	281.70	2.16	4.33	1.52
BRN SA/GR T	546.28	560.88	526.89	10.73	21.46	3.93
BRN SEC AIR T	553.29	565.78	539.86	8.46	16.92	3.06
GAS LVG RH PASS	621.04	629.15	610.39	5.88	11.76	1.89
GAS LVG RH PASS	638.54	650.02	623.27	8.10	16.20	2.54
GAS LVG RH PASS	0.00	0.00	0.00	0.00	0.00	0.00
GAS LVG RH PASS	684.15	704.12	661.52	12.95	25.89	3.78
GAS LVG RH PASS	615.02	623.86	603.69	6.10	12.21	1.98
GAS LVG RH PASS	630.64	640.98	616.40	7.56	15.12	2.40
GAS LVG RH PASS	646.18	659.90	628.47	10.03	20.05	3.10
GAS LVG RH PASS	640.38	655.03	622.51	10.19	20.38	3.18
GAS LVG RH PASS	624.56	632.86	614.34	5.76	11.53	1.85
GAS LVG RH PASS	649.96	659.97	636.64	7.26	14.52	2.23
GAS LVG RH PASS	641.93	651.70	628.03	7.56	15.11	2.35
GAS LVG RH PASS	659.94	672.45	644.32	8.76	17.52	2.66
GAS LVG SH PASS	-441.21	-429.07	-451.38	7.08	14.17	-3.21
GAS LVG SH PASS	675.65	688.71	654.17	11.33	22.66	3.35
GAS LVG SH PASS	703.18	721.67	677.28	13.49	26.99	3.84
GAS LVG SH PASS	725.61	741.63	705.18	11.47	22.94	3.16
GAS LVG SH PASS	624.62	636.02	608.58	9.12	18.23	2.92
GAS LVG SH PASS	641.20	654.70	623.38	10.08	20.16	3.14
GAS LVG SH PASS	648.54	662.33	631.67	9.88	19.76	3.05
GAS LVG SH PASS	699.45	712.86	681.42	10.12	20.25	2.89
GAS LVG SH PASS	660.08	674.30	644.11	10.55	21.10	3.20
GAS LVG SH PASS	676.20	690.38	657.44	10.21	20.41	3.02
GAS LVG SH PASS	666.49	677.03	649.88	7.51	15.01	2.25
GAS LVG SH PASS	-596.78	-585.31	-605.66	6.55	13.11	-2.20
OFA TEMP	533.00	543.98	521.73	7.17	14.33	2.69
PSH OUT LEG T	801.17	812.31	785.69	9.12	18.24	2.28
PSH OUT LEG T	814.32	824.58	801.11	8.14	16.29	2.00
PSH OUT LEG T	757.93	769.02	743.17	8.47	16.93	2.23
PSH OUT LEG T	774.92	786.69	758.01	9.37	18.75	2.42
PSH OUT LEG T	783.49	794.61	767.27	8.96	17.93	2.29
PSH OUT LEG T	792.25	802.73	777.45	8.56	17.12	2.16
PSH OUT LEG T	790.22	800.35	776.71	8.26	16.53	2.09
PSH OUT LEG T	818.92	828.67	806.40	7.62	15.24	1.86
PSH OUT LEG T	798.07	808.76	783.34	8.62	17.24	2.16
PSH OUT LEG T	805.58	814.30	794.75	6.42	12.84	1.59
PSH OUT LEG T	818.20	826.81	807.81	6.19	12.38	1.51
PULV INLET T	526.95	537.76	517.12	6.88	13.77	2.61

PULV OUTLET T	164.14	171.24	155.87	5.21	10.42	6.35
RH PEND IN LEG	945.05	951.89	941.54	2.80	5.59	.59
RH PEND IN LEG	942.56	949.69	939.82	2.70	5.41	.57
RH PEND IN LEG	940.76	947.66	937.45	2.74	5.48	.58
RH PEND IN LEG	940.35	947.61	937.13	2.77	5.54	.59
RH PEND IN LEG	0.00	0.00	0.00	0.00	0.00	0.00
RH PEND IN LEG	962.25	969.18	959.20	2.75	5.50	.57
RH PEND IN LEG	933.54	940.96	928.77	3.46	6.92	.74
RH PEND IN LEG	928.36	936.79	920.75	4.96	9.91	1.07
RH PEND IN LEG	944.70	952.02	941.11	2.89	5.78	.61
RH PEND IN LEG	885.61	894.34	879.75	4.28	8.56	.97
SSH PEND IN LEG	842.51	849.25	836.87	4.75	9.49	1.13
SSH PEND IN LEG	864.37	872.45	858.09	5.13	10.26	1.19
SSH PEND IN LEG	872.20	881.83	865.86	5.34	10.67	1.22
SSH PEND IN LEG	884.49	895.13	876.53	5.74	11.48	1.30
~~SSH PEND IN LEG~~	~~866.74~~	~~878.19~~	~~857.24~~	~~6.40~~	~~12.81~~	~~1.48~~
SSH PEND IN LEG	887.93	896.47	879.67	4.94	9.88	1.11
SSH PEND IN LEG	891.71	894.40	885.41	2.48	4.96	.56
SSH PEND IN LEG	883.64	885.57	878.33	2.12	4.24	.48
SSH PEND IN LEG	879.14	882.47	876.10	2.12	4.24	.48
SSH PEND IN LEG	849.96	852.89	847.70	1.53	3.05	.36
RH INTM HND HOLE	944.44	949.33	941.29	2.34	4.68	.50
RH INTM HND HOLE	844.09	850.53	840.09	3.31	6.62	.78
BRN GAS REC DMPR P	33.00	35.42	30.32	1.11	2.23	6.74
OVRFIRE AIR DMPR P	53.38	54.26	52.15	.65	1.30	2.43
BRN SEC AIR DMPR P	18.26	18.90	17.64	.41	.82	4.50
FLAME INTENSITY #1	106.15	106.22	105.89	.10	.20	.19
FLAME INTENSITY #2	105.50	105.70	104.95	.17	.35	.33
FLAME INTENSITY #3	106.13	106.22	0.00	70.75	141.51	133.33
FLAME INTENSITY #4	105.65	105.91	105.40	.16	.32	.30
PULV DIFF P IN WG	14.31	14.44	14.16	.09	.19	1.30
PULV AMPS	269.75	273.30	266.10	2.25	4.49	1.67
ROT CLASS AMPS	49.04	49.66	48.59	.43	.87	1.76
PULV PA FAN AMPS	94.05	96.17	90.85	1.56	3.12	3.32
PULV PA FLOW	60.05	60.26	59.83	.12	.23	.39
SEC AIR FLOW	30.02	30.25	29.85	.11	.23	.76
OFA AIR FLOW	245.94	248.61	243.29	1.65	3.31	1.35
GR TO SEC AIR	11.51	11.69	11.25	.12	.24	2.12
BRN SEC AIR P IN	23.49	24.08	22.70	.40	.80	3.43
O2 IN SEC AIR	15.99	16.03	15.90	.03	.07	.42
BRN GAS REC P IN	23.46	24.07	22.61	.41	.81	3.47
ROT CLASS RPM	160.46	160.57	160.33	.09	.17	.11
PULV COAL FLOW KL	28.27	28.50	28.11	.11	.22	.76
ACCUREX CO PPM	35.31	48.90	25.77	5.63	11.26	31.90
ACCUREX NOX PPM	299.01	312.73	264.17	11.59	23.17	7.75
ACCUREX O2 %	3.04	3.12	2.95	.06	.11	3.75
ACCUREX SOX PPM	960.18	1020.94	930.64	31.60	63.20	6.58
COAL SILO LEVEL	76.91	94.20	61.20	10.45	20.89	27.17
ROT CLASS DP IN WG	.52	.54	.50	.01	.02	3.98
HOT PRI AIR DMPR P	99.55	100.00	99.07	.29	.58	.58
AIR LVG FD FAN T	119.81	123.10	116.73	1.79	3.59	2.99
AIR LVG FD FAN T	125.51	128.78	123.29	1.69	3.37	2.69
FW HTR E EXT P	441.14	443.19	438.98	1.27	2.53	.57
BAROMETRIC P IN	29.59	29.61	29.57	.01	.02	.08
REL HUMIDITY %	7.75	7.79	7.71	.03	.05	.65
GAS LVG ECON (T)	644.44	678.01	630.55	10.27	20.53	3.19
GAS LVG ECON (T)	677.46	692.54	659.73	10.23	20.45	3.02
GAS LVG AH (T)	285.98	291.34	282.86	2.96	5.91	2.07
AIR ENT AH (T)	127.29	130.32	124.49	1.64	3.27	2.57
1ST STG STM FLW	771.08	772.84	768.24	1.24	2.48	.32
BLOW DOWN FLOW	0.00	0.00	0.00	0.00	0.00	0.00
GR FAN BUS VOLT	4160.00	4160.00	4160.00	0.00	0.00	0.00
TOTAL GR FLOW	67.03	68.55	65.69	.66	1.32	1.96
GR TO SEC AIR	11.27	11.76	11.04	.17	.34	3.04
GR TO FURN	55.76	56.80	54.55	.55	1.09	1.96
TMP AIR FLOW	72.61	86.33	62.39	6.45	12.90	17.76
% PWDR RVR BASN CO	0.00	0.00	0.00	0.00	0.00	0.00

CYCLONE STOIC	1.05	1.07	1.04	.01	.02	1.47
REBRN WB STOIC	.40	.40	.39	.00	.00	.85
REBRN STOIC	.85	.87	.84	.01	.01	1.35
LVG FURN STOIC	1.15	1.18	1.15	.01	.01	.99
LVG ECON STOIC	1.16	1.19	1.16	.01	.01	.99
AMBIENT AIR DB TEM	0.00	0.00	0.00	0.00	0.00	0.00
GAS LVG RH PS T	641.12	652.64	626.33	8.18	16.36	2.55
GAS LVG SH PS T	672.10	685.77	653.62	10.25	20.50	3.05
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	0.00
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	0.00
DRY BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	0.00
WET BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	0.00
AIR ENT AH P	0.00	0.00	0.00	0.00	0.00	0.00
AIR LVG AH P	0.00	0.00	0.00	0.00	0.00	0.00
CYC A TA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC A PA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC A TOT P	0.00	0.00	0.00	0.00	0.00	0.00
CYC B TA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC B PA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC B TOT P	0.00	0.00	0.00	0.00	0.00	0.00
CYC C TA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC C PA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC C TOT P	0.00	0.00	0.00	0.00	0.00	0.00
LVG SSH PLAT P	0.00	0.00	0.00	0.00	0.00	0.00
ENT PSH P	0.00	0.00	0.00	0.00	0.00	0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	0.00
GAS ENT AH P	0.00	0.00	0.00	0.00	0.00	0.00
GAS LVG AH P	0.00	0.00	0.00	0.00	0.00	0.00
SEC SH OUT P	0.00	0.00	0.00	0.00	0.00	0.00

TEST #6P : 110 MW : FORMAL PERFORMANCE TEST : REBURN IN SERVICE

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
O2 LVG ECON (T)	2.90	3.09	2.79	.07	.14	4.82
O2 LVG ECON (T)	2.96	3.10	2.83	.09	.17	5.82
CO2 LVG ECON (T)	16.82	16.97	16.68	.11	.22	1.28
CO2 LVG ECON (T)	15.60	15.70	15.51	.05	.10	.62
CO LVG ECON (T)	127.64	154.62	104.57	15.30	30.59	23.97
CO LVG ECON (T)	64.28	76.10	54.72	7.01	14.01	21.80
NOX LVG ECON (T)	249.53	256.90	245.41	3.58	7.16	2.87
NOX LVG ECON (T)	286.75	296.64	277.67	5.85	11.70	4.08
DRUM PRESS (T)	1594.15	1595.05	1593.13	.54	1.09	.07
ENT RH-1 P (T)	0.00	0.00	0.00	0.00	0.00	0.00
LVG RH-1 P (T)	435.41	436.62	433.34	1.00	2.00	.46
SEC SH OUT P (T)	1493.69	1494.62	1492.01	.72	1.43	.10
FW HTR E EXT P	442.63	444.13	439.93	1.23	2.47	.56
ECON H2O OUT T	512.52	513.45	511.60	.66	1.32	.26
ECON H2O OUT T	519.20	520.50	517.43	.97	1.94	.37
AMBIENT AIR TEMP	66.98	72.09	61.22	3.61	7.23	10.79
PRI SH OUT T	773.90	779.13	765.06	4.12	8.25	1.07
PRI SH OUT T	794.86	799.78	785.85	4.57	9.15	1.15
AIR LVG AH T	595.50	606.61	582.97	7.76	15.53	2.61
AIR LVG AH T	562.33	569.35	554.23	4.85	9.70	1.73
AIR LVG FD FAN T	130.56	133.82	126.70	2.15	4.30	3.29
AIR LVG FD FAN T	132.74	136.68	128.05	2.77	5.55	4.18
RH SPRAY H2O T	315.45	315.66	315.27	.12	.25	.08
FW HTR E ENT T	382.70	383.07	382.23	.30	.60	.16
FW HTR E EXT T	743.19	744.11	742.13	.49	.98	.13
ENT RH T	699.78	721.29	692.95	7.30	14.60	2.09
FW HTR E DRN T	406.35	414.62	404.92	2.38	4.75	1.17
FW HTR E LVG T	456.95	457.22	456.59	.19	.38	.08
O2 LVG AH (T)	4.42	4.56	4.35	.05	.10	2.30
O2 LVG GR FAN (T)	0.00	0.00	0.00	0.00	0.00	0.00
CO2 LVG AH (T)	42.15	79.09	11.48	16.64	33.28	78.95
GAS TEMP LVG GR FA	552.69	577.80	502.79	22.76	45.52	8.24
AIR ENT FD FAN	96.95	100.52	92.86	2.57	5.14	5.30
LOAD MW	110.22	110.48	109.94	.20	.39	.35
MAIN STEAM FLOW	776.96	777.80	775.74	.69	1.39	.18
FW FLOW	790.56	791.65	788.83	.78	1.56	.20
RH SPRAY FLOW	7.44	9.36	6.68	1.15	2.29	30.81
SH SPRAY FLOW	9.18	11.09	4.70	2.01	4.02	43.80
SH SPRAY FLOW	12.24	15.06	6.31	2.66	5.32	43.47
GR FAN AMPS	.08	.08	.08	0.00	0.00	0.00
GR FAN AMPS	28.03	28.60	27.70	.28	.57	2.02
1st STG PRESS	1075.93	1078.32	1073.84	1.42	2.84	.26
OIL FLOW 2A	.00	.00	.00	.00	.00	12.11
OIL FLOW 2B	.00	.00	.00	0.00	0.00	0.00
OIL FLOW 2C	.00	.00	.00	0.00	0.00	0.00
SSH OUT T	998.45	999.31	997.12	.56	1.12	.11
SSH OUT T	999.25	1001.19	996.06	1.24	2.47	.25
SSH OUT AVE T	1000.77	1002.56	999.01	1.01	2.02	.20
LVG SH ATTMP T	744.72	751.63	741.02	3.21	6.42	.86
LVG SH ATTMP T	748.83	757.72	743.99	3.95	7.90	1.05
ECON H2O IN T	460.68	461.73	460.11	.41	.82	.18
LVG RH T	1000.73	1004.47	997.45	2.42	4.84	.48
COLD RH T	747.09	748.05	746.02	.53	1.06	.14
TURB THROT P	1450.21	1451.26	1449.60	.50	.99	.07
DRUM PRESS	1602.76	1604.15	1600.91	.97	1.93	.12
LVG RH PRESS	431.25	432.81	429.30	1.01	2.01	.47
ENT RH PRESS	459.03	460.87	456.04	1.52	3.05	.66
O2 LVG ECON	3.02	3.12	2.97	.04	.08	2.75
O2 LVG ECON	2.81	2.94	2.71	.06	.12	4.44

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
CYC A COAL FLOW KL	20.97	21.34	20.60	.28	.56	2.65
CYC B COAL FLOW KL	21.01	21.40	20.63	.28	.56	2.66
CYC C COAL FLOW KL	20.97	21.35	20.58	.28	.57	2.72
CYC A SEC AIR FLOW	202.23	203.44	201.29	.63	1.27	.63
CYC B SEC AIR FLOW	199.49	201.90	197.71	1.29	2.58	1.29
CYC C SEC AIR FLOW	202.50	204.76	200.73	1.16	2.33	1.15
CYC A SEC AIR T	545.38	555.57	531.52	7.68	15.35	2.81
CYC B SEC AIR T	574.84	583.79	563.98	6.38	12.76	2.22
CYC C SEC AIR T	521.41	528.51	513.34	4.98	9.97	1.91
RH SP VLV POS	50.29	51.47	49.87	.71	1.41	2.81
SH SP VLV POS	41.45	45.60	34.32	3.69	7.38	17.81
SH SP VLV POS	38.18	40.61	33.31	2.38	4.76	12.47
GR DMPR DEMAND	-5.00	-5.00	-5.00	0.00	0.00	0.00
RECIRC AIR DMPR P	0.00	0.00	0.00	0.00	0.00	0.00
SH PASS DMPR P	100.00	100.00	100.00	0.00	0.00	0.00
RH PASS DMPR P	72.93	84.45	57.83	9.41	18.82	25.81
FURNACE GAS P IN	20.61	20.84	20.14	.20	.41	1.98
AIR ENT AH T	131.97	136.09	127.29	2.82	5.64	4.27
AIR ENT AH T	131.96	135.86	127.30	2.76	5.51	4.18
AIR ENT AH T	129.84	133.18	125.88	2.24	4.48	3.45
AIR ENT AH T	130.51	133.75	126.72	2.13	4.26	3.27
GAS LVG AH T	313.81	321.98	304.29	5.71	11.42	3.64
GAS LVG AH T	293.98	302.20	285.15	5.65	11.30	3.84
GAS LVG AH T	282.31	287.95	276.14	3.86	7.73	2.74
GAS LVG AH T	288.07	292.79	282.35	3.27	6.55	2.27
BRN SA/GR T	538.39	557.77	504.09	16.51	33.02	6.13
BRN SEC AIR T	544.60	554.76	532.30	7.51	15.02	2.76
GAS LVG RH PASS	632.85	639.33	625.01	4.57	9.14	1.44
GAS LVG RH PASS	650.84	658.40	641.46	5.47	10.94	1.68
GAS LVG RH PASS	0.00	0.00	0.00	0.00	0.00	0.00
GAS LVG RH PASS	688.50	701.15	674.38	8.78	17.56	2.55
GAS LVG RH PASS	626.33	633.01	618.89	4.31	8.62	1.38
GAS LVG RH PASS	632.93	639.94	625.80	4.76	9.51	1.50
GAS LVG RH PASS	651.24	657.91	643.19	4.72	9.45	1.45
GAS LVG RH PASS	648.97	658.39	638.23	6.62	13.24	2.04
GAS LVG RH PASS	634.10	639.23	628.07	3.44	6.87	1.08
GAS LVG RH PASS	658.24	664.91	650.13	4.75	9.50	1.44
GAS LVG RH PASS	649.13	653.62	642.35	3.68	7.36	1.13
GAS LVG RH PASS	665.07	671.31	655.54	5.39	10.79	1.62
GAS LVG SH PASS	-452.34	-446.10	-459.56	5.04	10.08	-2.23
GAS LVG SH PASS	665.35	679.84	651.89	8.84	17.69	2.66
GAS LVG SH PASS	675.10	687.15	660.19	8.23	16.46	2.44
GAS LVG SH PASS	712.85	725.69	696.91	9.29	18.58	2.61
GAS LVG SH PASS	624.88	632.99	614.12	5.77	11.53	1.85
GAS LVG SH PASS	636.43	644.42	625.38	6.04	12.08	1.90
GAS LVG SH PASS	643.95	653.36	632.30	6.82	13.64	2.12
GAS LVG SH PASS	685.27	693.75	673.83	6.46	12.92	1.89
GAS LVG SH PASS	660.66	668.47	654.03	4.49	8.98	1.36
GAS LVG SH PASS	660.17	668.85	650.33	6.44	12.88	1.95
GAS LVG SH PASS	654.84	661.37	645.50	5.43	10.85	1.66
GAS LVG SH PASS	-596.17	-591.95	-598.92	2.13	4.25	-.71
OFA TEMP	530.60	539.83	518.93	6.61	13.22	2.49
PSH OUT LEG T	793.08	798.39	782.22	5.01	10.02	1.26
PSH OUT LEG T	801.13	806.44	791.71	4.83	9.65	1.20
PSH OUT LEG T	758.07	764.54	748.32	4.29	8.58	1.13
PSH OUT LEG T	775.80	782.52	764.85	4.76	9.51	1.23
PSH OUT LEG T	780.13	786.12	769.92	4.46	8.92	1.14
PSH OUT LEG T	785.31	790.44	775.80	4.33	8.66	1.10
PSH OUT LEG T	780.35	785.28	771.54	4.35	8.70	1.12
PSH OUT LEG T	806.48	811.62	797.09	4.70	9.40	1.17
PSH OUT LEG T	790.00	795.79	779.24	5.19	10.38	1.31
PSH OUT LEG T	796.73	802.36	786.79	5.15	10.29	1.29
PSH OUT LEG T	809.32	814.96	799.63	5.12	10.24	1.26
PULV INLET T	528.25	535.33	516.84	5.77	11.53	2.18

PULV OUTLET T	165.31	175.18	152.07	6.98	13.95	8.44
RH PEND IN LEG	944.60	948.00	942.10	2.01	4.01	.42
RH PEND IN LEG	939.92	943.79	936.56	2.55	5.11	.54
RH PEND IN LEG	939.63	943.18	936.74	2.19	4.37	.47
RH PEND IN LEG	938.64	942.44	935.41	2.44	4.87	.52
RH PEND IN LEG	0.00	0.00	0.00	0.00	0.00	0.00
RH PEND IN LEG	960.90	964.36	958.37	2.00	3.99	.42
RH PEND IN LEG	932.15	935.38	929.70	1.86	3.72	.40
RH PEND IN LEG	932.76	935.94	930.57	1.88	3.76	.40
RH PEND IN LEG	944.16	947.62	941.37	2.15	4.31	.46
RH PEND IN LEG	899.00	902.09	896.41	2.07	4.13	.46
SSH PEND IN LEG	845.60	852.02	841.84	2.98	5.96	.71
SSH PEND IN LEG	868.27	874.79	863.04	3.27	6.54	.75
SSH PEND IN LEG	874.97	881.51	869.33	3.38	6.76	.77
SSH PEND IN LEG	885.47	891.94	880.93	3.19	6.37	.72
SSH PEND IN LEG	867.06	873.03	861.83	3.11	6.23	.72
~~SSH PEND IN LEG~~	~~885.54~~	~~890.03~~	~~880.47~~	~~2.57~~	~~5.14~~	~~.58~~
SSH PEND IN LEG	887.11	889.82	883.19	1.85	3.70	.42
SSH PEND IN LEG	881.46	884.46	878.41	1.73	3.46	.39
SSH PEND IN LEG	880.35	884.42	877.63	1.89	3.79	.43
SSH PEND IN LEG	852.38	857.36	848.96	2.26	4.51	.53
RH INTM HND HOLE	944.14	947.64	941.64	1.88	3.75	.40
RH INTM HND HOLE	850.47	853.33	847.54	2.00	4.01	.47
BRN GAS REC DMPR P	33.65	35.33	31.91	1.23	2.45	7.29
OVRFIRE AIR DMPR P	56.38	57.35	55.23	.62	1.24	2.20
BRN SEC AIR DMPR P	18.13	18.49	17.70	.25	.49	2.72
FLAME INTENSITY #1	106.06	106.24	105.62	.17	.34	.32
FLAME INTENSITY #2	105.36	105.61	105.11	.15	.29	.28
FLAME INTENSITY #3	106.13	106.21	0.00	27.40	54.80	51.64
FLAME INTENSITY #4	105.58	105.87	105.22	.18	.37	.35
PULV DIFF P IN WG	15.71	16.23	15.06	.35	.70	4.48
PULV AMPS	295.69	304.40	274.20	9.41	18.82	6.36
ROT CLASS AMPS	48.43	49.46	47.22	.92	1.85	3.82
PULV PA FAN AMPS	95.05	96.68	93.91	.69	1.39	1.46
PULV PA FLOW	59.65	60.48	59.15	.40	.79	1.33
SEC AIR FLOW	29.99	30.17	29.69	.11	.22	.73
OFA AIR FLOW	249.97	252.20	248.00	1.51	3.03	1.21
GR TO SEC AIR	11.50	11.70	11.36	.10	.19	1.69
BRN SEC AIR P IN	23.93	24.39	23.18	.36	.73	3.04
O2 IN SEC AIR	15.99	16.02	15.93	.03	.05	.31
BRN GAS REC P IN	23.82	24.28	22.93	.38	.77	3.21
ROT CLASS RPM	162.01	163.67	159.92	1.86	3.72	2.29
PULV COAL FLOW KL	28.39	28.76	28.02	.28	.56	1.98
ACCUREX CO PPM	39.51	46.03	28.48	5.10	10.21	25.84
ACCUREX NOX PPM	255.67	261.24	251.76	2.92	5.84	2.28
ACCUREX O2 %	2.97	3.08	2.86	.05	.11	3.69
ACCUREX SOX PPM	1034.40	1125.16	982.13	40.43	80.87	7.82
COAL SILO LEVEL	79.52	95.50	55.58	15.27	30.53	38.40
ROT CLASS DP IN WG	.56	.59	.52	.02	.05	8.08
HOT PRI AIR DMPR P	99.42	99.80	98.81	.25	.50	.50
AIR LVG FD FAN T	127.29	130.37	123.28	2.19	4.38	3.44
AIR LVG FD FAN T	129.67	133.59	124.91	2.73	5.46	4.21
FW HTR E EXT P	440.14	441.91	436.82	1.45	2.90	.66
BAROMETRIC P IN	29.51	29.52	29.50	.00	.01	.03
REL HUMIDITY %	7.78	7.83	7.74	.03	.06	.75
GAS LVG ECON (T)	659.96	689.32	636.02	15.48	30.97	4.69
GAS LVG ECON (T)	663.30	668.73	646.83	5.32	10.64	1.60
GAS LVG AH (T)	286.67	292.59	279.53	4.21	8.42	2.94
AIR ENT AH (T)	132.29	135.94	128.00	2.48	4.96	3.75
1ST STG STM FLW	773.15	774.82	771.69	.99	1.99	.26
BLOW DOWN FLOW	0.00	0.00	0.00	0.00	0.00	0.00
GR FAN BUS VOLT	4160.00	4160.00	4160.00	0.00	0.00	0.00
TOTAL GR FLOW	102.95	107.36	100.54	2.14	4.28	4.15
GR TO SEC AIR	11.18	11.37	10.95	.12	.24	2.17
GR TO FURN	91.78	95.99	89.58	2.05	4.11	4.47
TMP AIR FLOW	64.46	70.30	58.35	3.66	7.31	11.34
% PWDR RVR BASN CO	0.00	0.00	0.00	0.00	0.00	0.00
CYCLONE STOIC	1.06	1.07	1.04	.01	.02	1.55

REBRN WB STOIC	.39	.40	.39	.00	.01	1.64
REBRN STOIC	.83	.84	.83	.00	.00	.51
LVG FURN STOIC	1.15	1.16	1.14	.00	.01	.77
LVG ECON STOIC	1.16	1.16	1.15	.00	.01	.76
AMBIENT AIR DB TEM	0.00	0.00	0.00	0.00	0.00	0.00
GAS LVG RH PS T	648.93	656.11	640.28	5.12	10.24	1.58
GAS LVG SH PS T	661.95	671.12	650.49	6.55	13.09	1.98
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	0.00
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	0.00
DRY BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	0.00
WET BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	0.00
AIR ENT AH P	0.00	0.00	0.00	0.00	0.00	0.00
AIR LVG AH P	0.00	0.00	0.00	0.00	0.00	0.00
CYC A TA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC A PA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC A TOT P	0.00	0.00	0.00	0.00	0.00	0.00
CYC B TA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC B PA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC B TOT P	0.00	0.00	0.00	0.00	0.00	0.00
CYC C TA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC C PA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC C TOT P	0.00	0.00	0.00	0.00	0.00	0.00
LVG SSH PLAT P	0.00	0.00	0.00	0.00	0.00	0.00
ENT PSH P	0.00	0.00	0.00	0.00	0.00	0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	0.00
GAS ENT AH P	0.00	0.00	0.00	0.00	0.00	0.00
GAS LVG AH P	0.00	0.00	0.00	0.00	0.00	0.00
SEC SH OUT P	0.00	0.00	0.00	0.00	0.00	0.00

TEST #7F : 82 MW : FORMAL PERFORMANCE TEST : REBURN IN SERVICE

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
O2 LVG ECON (T)	3.01	3.44	2.80	.18	.36	11.99
O2 LVG ECON (T)	2.81	3.15	2.71	.13	.25	8.96
CO2 LVG ECON (T)	16.33	16.57	16.05	.16	.33	1.99
CO2 LVG ECON (T)	15.52	15.68	15.44	.08	.16	1.06
CO LVG ECON (T)	103.30	179.40	74.91	34.72	69.44	67.22
CO LVG ECON (T)	83.96	194.47	53.34	37.15	74.31	88.50
NOX LVG ECON (T)	250.55	284.73	234.01	17.19	34.37	13.72
NOX LVG ECON (T)	288.20	306.40	275.46	12.48	24.95	8.66
DRUM PRESS (T)	1520.62	1522.38	1519.52	.88	1.76	.12
ENT RH-1 P (T)	0.00	0.00	0.00	0.00	0.00	0.00
LVG RH-1 P (T)	306.19	307.85	305.09	.84	1.69	.55
SEC SH OUT P (T)	1471.53	1473.80	1470.11	.92	1.83	.12
FW HTR E EXT P	310.76	312.37	309.88	.78	1.56	.50
ECON H2O OUT T	497.28	498.31	495.43	.82	1.64	.33
ECON H2O OUT T	476.05	479.53	473.76	1.83	3.66	.77
AMBIENT AIR TEMP	78.93	79.62	78.24	.46	.93	1.18
PRI SH OUT T	742.95	751.20	735.64	3.99	7.98	1.07
PRI SH OUT T	758.97	766.57	751.94	4.37	8.74	1.15
AIR LVG AH T	554.08	558.94	550.97	2.75	5.50	.99
AIR LVG AH T	545.45	548.06	541.06	2.40	4.80	.88
AIR LVG FD FAN T	142.51	144.03	141.01	.99	1.98	1.39
AIR LVG FD FAN T	146.47	147.58	145.62	.79	1.58	1.08
RH SPRAY H2O T	293.37	293.61	293.17	.14	.28	.09
FW HTR E ENT T	358.00	358.42	357.53	.33	.66	.18
FW HTR E EXT T	679.16	681.42	677.61	1.13	2.25	.33
ENT RH T	674.55	692.58	671.52	5.78	11.56	1.71
FW HTR E DRN T	373.48	374.06	373.09	.30	.61	.16
FW HTR E LVG T	425.80	426.28	425.42	.24	.48	.11
O2 LVG AH (T)	6.36	7.72	5.78	.55	1.10	17.28
O2 LVG GR FAN (T)	0.00	0.00	0.00	0.00	0.00	0.00
CO2 LVG AH (T)	34.81	41.32	28.47	4.56	9.12	26.20
GAS TEMP LVG GR FA	577.72	579.21	575.86	1.20	2.39	.41
AIR ENT FD FAN	108.96	110.53	106.81	1.59	3.17	2.91
LOAD MW	81.58	81.91	81.35	.20	.39	.48
MAIN STEAM FLOW	560.31	565.54	555.63	2.84	5.68	1.01
FW FLOW	553.55	556.39	551.42	1.41	2.82	.51
RH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	0.00
SH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	0.00
SH SPRAY FLOW	4.81	6.55	0.00	2.36	4.73	98.30
GR FAN AMPS	.08	.08	.08	0.00	0.00	0.00
GR FAN AMPS	30.37	30.49	30.25	.07	.15	.49
1st STG PRESS	742.84	748.25	739.07	2.79	5.58	.75
OIL FLOW 2A	.00	.00	.00	0.00	0.00	0.00
OIL FLOW 2B	.00	.00	0.00	.00	.00	85.28
OIL FLOW 2C	.00	.00	.00	0.00	0.00	0.00
SSH OUT T	999.13	1003.58	995.53	2.38	4.76	.48
SSH OUT T	997.54	999.94	996.12	1.19	2.37	.24
SSH OUT AVE T	995.96	998.82	993.40	1.42	2.84	.29
LVG SH ATTMP T	745.41	751.35	742.46	2.67	5.35	.72
LVG SH ATTMP T	722.48	726.92	718.14	2.99	5.98	.83
ECON H2O IN T	428.75	429.29	428.27	.31	.61	.14
LVG RH T	1000.74	1002.94	999.09	1.29	2.58	.26
COLD RH T	682.52	685.26	680.85	1.18	2.37	.35
TURB THROT P	1449.93	1451.39	1449.21	.63	1.27	.09
DRUM PRESS	1525.15	1527.13	1523.00	1.19	2.38	.16
LVG RH PRESS	302.45	304.04	301.45	.84	1.68	.55
ENT RH PRESS	322.86	324.01	321.95	.69	1.37	.42
O2 LVG ECON	2.96	3.14	2.84	.08	.16	5.42
O2 LVG ECON	2.91	3.30	2.77	.15	.31	10.57

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
CYC A COAL FLOW KL	21.57	21.77	21.32	.14	.28	1.30
CYC B COAL FLOW KL	-.01	-.01	-.01	0.00	0.00	0.00
CYC C COAL FLOW KL	21.57	21.73	21.32	.13	.26	1.20
CYC A SEC AIR FLOW	212.53	217.34	209.42	2.23	4.47	2.10
CYC B SEC AIR FLOW	5.20	6.63	3.85	.76	1.53	29.40
CYC C SEC AIR FLOW	213.18	218.39	208.54	2.46	4.91	2.30
CYC A SEC AIR T	520.04	522.99	517.55	1.86	3.73	.72
CYC B SEC AIR T	544.87	547.74	542.58	1.51	3.02	.55
CYC C SEC AIR T	513.67	515.70	511.01	1.66	3.33	.65
RH SP VLV POS	-5.00	-5.00	-5.00	0.00	0.00	0.00
SH SP VLV POS	37.19	40.21	33.31	2.42	4.84	13.01
SH SP VLV POS	26.40	31.11	0.00	16.02	32.05	121.41
GR DMPR DEMAND	28.80	28.80	28.80	0.00	0.00	0.00
RECIRC AIR DMPR P	0.00	0.00	0.00	0.00	0.00	0.00
SH PASS DMPR P	19.68	24.00	14.31	2.54	5.09	25.84
RH PASS DMPR P	100.00	100.00	100.00	0.00	0.00	0.00
FURNACE GAS P IN	12.47	12.94	12.05	.22	.45	3.59
AIR ENT AH T	146.15	147.35	145.21	.82	1.65	1.13
AIR ENT AH T	145.58	146.85	144.68	.79	1.59	1.09
AIR ENT AH T	141.78	143.39	140.47	1.03	2.06	1.46
AIR ENT AH T	142.87	144.42	141.52	1.06	2.13	1.49
GAS LVG AH T	312.42	320.33	308.58	4.52	9.04	2.89
GAS LVG AH T	295.72	302.20	292.70	3.66	7.32	2.48
GAS LVG AH T	279.47	280.01	278.44	.58	1.15	.41
GAS LVG AH T	283.02	284.20	282.23	.58	1.17	.41
BRN SA/GR T	547.79	549.84	545.38	1.85	3.71	.68
BRN SEC AIR T	553.35	557.00	548.86	3.29	6.57	1.19
GAS LVG RH PASS	601.08	604.56	596.84	3.08	6.16	1.03
GAS LVG RH PASS	615.78	619.57	610.38	3.22	6.44	1.05
GAS LVG RH PASS	0.00	0.00	0.00	0.00	0.00	0.00
GAS LVG RH PASS	650.51	658.72	640.78	6.91	13.81	2.12
GAS LVG RH PASS	593.28	595.91	590.29	2.34	4.69	.79
GAS LVG RH PASS	605.57	609.50	602.04	3.00	6.01	.99
GAS LVG RH PASS	621.36	626.75	616.90	3.68	7.36	1.19
GAS LVG RH PASS	616.11	621.16	609.90	4.22	8.43	1.37
GAS LVG RH PASS	605.51	608.45	602.13	2.52	5.04	.83
GAS LVG RH PASS	629.77	633.72	625.48	3.00	6.00	.95
GAS LVG RH PASS	622.27	628.00	617.47	3.92	7.84	1.26
GAS LVG RH PASS	629.72	635.84	623.44	4.72	9.44	1.50
GAS LVG SH PASS	-337.72	-324.26	-347.99	7.27	14.54	-4.30
GAS LVG SH PASS	582.66	595.70	573.67	6.55	13.10	2.25
GAS LVG SH PASS	592.08	606.71	580.82	7.94	15.88	2.68
GAS LVG SH PASS	619.54	635.72	606.36	8.84	17.69	2.86
GAS LVG SH PASS	557.12	568.17	549.44	6.12	12.24	2.20
GAS LVG SH PASS	568.61	581.93	558.61	7.29	14.58	2.56
GAS LVG SH PASS	572.58	585.42	562.37	7.18	14.36	2.51
GAS LVG SH PASS	606.29	617.79	594.14	7.27	14.53	2.40
GAS LVG SH PASS	586.83	593.70	579.31	3.84	7.67	1.31
GAS LVG SH PASS	586.35	600.52	575.33	7.42	14.83	2.53
GAS LVG SH PASS	583.07	593.95	573.46	6.40	12.79	2.19
GAS LVG SH PASS	-474.64	-462.71	-490.27	7.96	15.93	-3.36
OFA TEMP	515.91	518.12	513.86	1.53	3.05	.59
PSH OUT LEG T	767.68	774.00	762.81	4.25	8.50	1.11
PSH OUT LEG T	769.74	775.94	765.18	4.34	8.68	1.13
PSH OUT LEG T	726.87	731.77	722.42	3.44	6.89	.95
PSH OUT LEG T	738.26	745.14	732.81	4.29	8.57	1.16
PSH OUT LEG T	755.30	762.51	749.30	3.90	7.79	1.03
PSH OUT LEG T	765.29	773.07	759.47	4.11	8.22	1.07
PSH OUT LEG T	744.51	753.23	738.55	5.18	10.37	1.39
PSH OUT LEG T	776.92	782.82	771.78	3.64	7.28	.94
PSH OUT LEG T	746.00	752.53	740.61	4.14	8.27	1.11
PSH OUT LEG T	764.00	770.22	758.58	3.62	7.24	.95
PSH OUT LEG T	775.35	782.46	769.42	4.22	8.44	1.09
PULV INLET T	509.09	511.70	505.93	2.09	4.18	.82

PULV OUTLET T	174.90	176.45	173.99	.93	1.85	1.06
RH PEND IN LEG	948.24	951.80	945.31	1.94	3.89	.41
RH PEND IN LEG	941.50	946.53	938.05	3.31	6.63	.70
RH PEND IN LEG	942.15	945.96	939.25	2.18	4.35	.46
RH PEND IN LEG	940.01	944.46	936.98	2.70	5.40	.57
RH PEND IN LEG	0.00	0.00	0.00	0.00	0.00	0.00
RH PEND IN LEG	969.83	973.73	965.57	2.52	5.04	.52
RH PEND IN LEG	939.98	942.95	936.00	2.56	5.12	.54
RH PEND IN LEG	937.17	940.02	932.68	2.53	5.05	.54
RH PEND IN LEG	948.00	951.76	944.98	2.05	4.11	.43
RH PEND IN LEG	891.47	896.76	884.51	4.21	8.42	.94
SSH PEND IN LEG	851.50	856.48	843.76	4.31	8.62	1.01
SSH PEND IN LEG	868.84	872.03	864.48	2.54	5.09	.59
SSH PEND IN LEG	864.64	867.00	861.62	1.77	3.54	.41
SSH PEND IN LEG	866.86	869.75	862.96	2.05	4.11	.47
SSH PEND IN LEG	840.26	844.29	834.43	2.58	5.17	.62
SSH PEND IN LEG	865.98	869.61	859.21	2.60	5.21	.60
SSH PEND IN LEG	887.57	892.76	882.28	3.02	6.05	.68
SSH PEND IN LEG	883.65	890.08	879.37	3.37	6.74	.76
SSH PEND IN LEG	882.12	887.83	877.40	3.27	6.53	.74
SSH PEND IN LEG	852.91	859.18	848.74	2.78	5.57	.65
RH INTM HND HOLE	945.64	947.33	943.35	1.23	2.47	.26
RH INTM HND HOLE	843.95	849.21	837.28	4.10	8.19	.97
BRN GAS REC DMPR P	27.22	28.63	24.63	1.13	2.26	8.29
OVRFIRE AIR DMPR P	37.61	38.36	36.71	.45	.90	2.39
BRN SEC AIR DMPR P	17.92	19.02	17.47	.41	.83	4.63
FLAME INTENSITY #1	106.14	106.20	0.00	71.56	143.12	134.84
FLAME INTENSITY #2	105.97	106.15	105.76	.14	.29	.27
FLAME INTENSITY #3	106.21	106.24	0.00	90.57	181.14	170.56
FLAME INTENSITY #4	106.17	106.24	106.13	.03	.06	.05
PULV DIFF P IN WG	13.10	13.32	12.69	.21	.43	3.27
PULV AMPS	240.52	242.66	236.11	2.01	4.02	1.67
ROT CLASS AMPS	46.21	46.30	46.04	.08	.15	.33
PULV PA FAN AMPS	66.29	67.94	62.32	1.56	3.12	4.71
PULV PA FLOW	53.43	53.71	52.89	.26	.53	.98
SEC AIR FLOW	31.99	32.86	31.67	.35	.70	2.18
OFA AIR FLOW	157.14	162.18	152.74	2.73	5.46	3.47
GR TO SEC AIR	11.49	11.67	11.27	.13	.27	2.32
BRN SEC AIR P IN	14.69	15.57	14.19	.35	.70	4.78
O2 IN SEC AIR	16.23	16.42	16.16	.07	.14	.85
BRN GAS REC P IN	14.65	15.30	14.23	.30	.61	4.16
ROT CLASS RPM	160.16	160.21	160.14	.02	.04	.02
PULV COAL FLOW KL	22.93	23.07	22.64	.14	.27	1.18
ACCUREX CO PPM	50.66	103.22	37.13	17.21	34.42	67.96
ACCUREX NOX PPM	250.30	284.73	234.37	15.94	31.89	12.74
ACCUREX O2 %	3.40	3.58	3.09	.12	.24	7.18
ACCUREX SOX PPM	1048.58	1063.79	1032.70	10.40	20.79	1.98
COAL SILO LEVEL	80.86	92.78	72.60	7.56	15.12	18.70
ROT CLASS DP IN WG	.47	.48	.46	.01	.01	2.36
HOT PRI AIR DMPR P	99.36	99.76	98.88	.31	.62	.62
AIR LVG FD FAN T	139.33	140.97	137.71	1.07	2.15	1.54
AIR LVG FD FAN T	143.49	144.77	142.51	.86	1.72	1.20
FW HTR E EXT P	308.86	310.29	307.92	.72	1.43	.46
BAROMETRIC P IN	29.46	29.48	29.44	.01	.03	.10
REL HUMIDITY %	7.56	7.60	7.53	.03	.05	.68
GAS LVG ECON (T)	646.97	677.87	636.73	10.96	21.92	3.39
GAS LVG ECON (T)	603.17	612.88	591.97	6.18	12.37	2.05
GAS LVG AH (T)	282.71	286.27	281.23	1.92	3.83	1.36
AIR ENT AH (T)	145.13	146.30	144.01	.85	1.69	1.17
1ST STG STM FLW	539.99	543.77	537.35	1.95	3.91	.72
BLOW DOWN FLOW	0.00	0.00	0.00	0.00	0.00	0.00
GR FAN BUS VOLT	4160.00	4160.00	4160.00	0.00	0.00	0.00
TOTAL GR FLOW	120.10	121.76	0.00	72.42	144.85	120.61
GR TO SEC AIR	11.06	11.20	0.00	6.67	13.34	120.62
GR TO FURN	109.04	110.57	0.00	65.76	131.51	120.61
TMP AIR FLOW	34.30	40.73	0.00	20.98	41.95	122.31
% PWDR RVR BASN CO	0.00	0.00	0.00	0.00	0.00	0.00

CYCLONE STOIC	1.07	1.08	0.00	.65	1.29	120.61
REBRN WB STOIC	.46	.47	0.00	.28	.56	120.61
REBRN STOIC	.87	.89	0.00	.53	1.05	120.61
LVG FURN STOIC	1.14	1.15	0.00	.69	1.38	120.61
LVG ECON STOIC	1.15	1.17	0.00	.70	1.39	120.61
AMBIENT AIR DB TEM	0.00	0.00	0.00	0.00	0.00	0.00
GAS LVG RH PS T	617.83	621.79	0.00	372.57	745.15	120.61
GAS LVG SH PS T	587.24	597.96	0.00	354.17	708.34	120.62
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	0.00
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	0.00
DRY BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	0.00
WET BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	0.00
AIR ENT AH P	0.00	0.00	0.00	0.00	0.00	0.00
AIR LVG AH P	0.00	0.00	0.00	0.00	0.00	0.00
CYC A TA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC A PA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC A TOT P	0.00	0.00	0.00	0.00	0.00	0.00
CYC B TA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC B PA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC B TOT P	0.00	0.00	0.00	0.00	0.00	0.00
CYC C TA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC C PA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC C TOT P	0.00	0.00	0.00	0.00	0.00	0.00
LVG SSH PLAT P	0.00	0.00	0.00	0.00	0.00	0.00
ENT PSH P	0.00	0.00	0.00	0.00	0.00	0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	0.00
GAS ENT AH P	0.00	0.00	0.00	0.00	0.00	0.00
GAS LVG AH P	0.00	0.00	0.00	0.00	0.00	0.00
SEC SH OUT P	0.00	0.00	0.00	0.00	0.00	0.00

TEST #8P : 110 MW : FORMAL PERFORMANCE TEST : WITH SOOTBLOWING

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
O2 LVG ECON (T)	2.84	3.12	2.60	.19	.38	13.35
O2 LVG ECON (T)	2.84	3.05	2.57	.13	.27	9.38
CO2 LVG ECON (T)	15.96	16.27	15.65	.23	.46	2.89
CO2 LVG ECON (T)	15.76	16.10	15.58	.14	.27	1.72
CO LVG ECON (T)	95.85	120.89	75.42	13.03	26.05	27.18
CO LVG ECON (T)	68.03	86.05	55.84	8.36	16.72	24.57
NOX LVG ECON (T)	248.97	255.57	244.54	3.62	7.23	2.90
NOX LVG ECON (T)	299.27	311.81	291.68	5.46	10.93	3.65
DRUM PRESS (T)	1595.22	1596.51	1593.55	1.02	2.03	.13
ENT RH-1 P (T)	0.00	0.00	0.00	0.00	0.00	0.00
LVG RH-1 P (T)	430.30	432.33	427.89	1.67	3.33	.77
SEC SH OUT P (T)	1493.46	1495.26	1491.05	1.11	2.22	.15
FW HTR E EXT P	437.02	438.68	434.87	1.54	3.09	.71
ECON H2O OUT T	510.73	516.61	507.84	3.05	6.11	1.20
ECON H2O OUT T	507.33	510.80	501.61	3.24	6.48	1.28
AMBIENT AIR TEMP	75.20	82.34	70.15	3.74	7.47	9.94
PRI SH OUT T	744.00	753.81	729.09	8.03	16.05	2.16
PRI SH OUT T	767.28	780.83	746.22	10.94	21.88	2.85
AIR LVG AH T	578.98	586.84	572.33	4.58	9.16	1.58
AIR LVG AH T	550.52	556.96	544.86	3.72	7.43	1.35
AIR LVG FD FAN T	135.60	139.95	132.75	2.07	4.14	3.05
AIR LVG FD FAN T	138.60	143.19	134.71	2.59	5.18	3.74
RH SPRAY H2O T	315.91	316.31	315.40	.37	.73	.23
FW HTR E ENT T	382.02	382.43	381.36	.32	.64	.17
FW HTR E EXT T	740.69	743.07	737.34	1.88	3.75	.51
ENT RH T	721.19	736.21	705.69	13.39	26.77	3.71
FW HTR E DRN T	403.63	404.96	402.84	.71	1.42	.35
FW HTR E LVG T	456.50	456.93	456.01	.35	.70	.15
O2 LVG AH (T)	4.49	5.27	4.23	.28	.55	12.35
O2 LVG GR FAN (T)	0.00	0.00	0.00	0.00	0.00	0.00
CO2 LVG AH (T)	33.91	63.64	15.51	16.00	32.00	94.38
GAS TEMP LVG GR FA	540.26	559.02	501.81	18.25	36.51	6.76
AIR ENT FD FAN	103.05	110.74	99.15	3.29	6.57	6.38
LOAD MW	109.10	109.41	108.47	.26	.52	.48
MAIN STEAM FLOW	776.43	779.53	774.41	1.59	3.18	.41
FW FLOW	784.32	788.48	778.65	3.82	7.63	.97
RH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	0.00
SH SPRAY FLOW	3.66	6.29	0.00	2.92	5.84	159.62
SH SPRAY FLOW	8.96	15.94	0.00	5.81	11.62	129.72
GR FAN AMPS	.08	.08	.08	0.00	0.00	0.00
GR FAN AMPS	28.00	28.37	27.64	.21	.43	1.52
1st STG PRESS	1075.21	1080.01	1072.12	2.32	4.64	.43
OIL FLOW 2A	.00	.00	.00	.00	.00	48.72
OIL FLOW 2B	.00	.00	.00	0.00	0.00	0.00
OIL FLOW 2C	.00	.00	.00	0.00	0.00	0.00
SSH OUT T	995.91	1007.22	989.75	4.95	9.89	.99
SSH OUT T	999.46	1003.94	994.04	3.50	7.00	.70
SSH OUT AVE T	998.73	1002.13	993.68	3.00	6.00	.60
LVG SH ATTMP T	740.93	752.97	734.09	6.07	12.15	1.64
LVG SH ATTMP T	741.42	761.81	718.24	13.64	27.28	3.68
ECON H2O IN T	458.85	460.03	458.42	.43	.86	.19
LVG RH T	995.39	1001.21	984.26	4.51	9.03	.91
COLD RH T	743.31	745.34	739.68	1.88	3.77	.51
TURB THROT P	1449.95	1451.57	1448.43	.89	1.79	.12
DRUM PRESS	1603.34	1605.05	1601.96	.99	1.97	.12
LVG RH PRESS	426.06	427.90	423.24	1.82	3.64	.85
ENT RH PRESS	454.54	456.85	452.25	1.61	3.22	.71
O2 LVG ECON	2.87	3.16	2.61	.19	.38	13.07
O2 LVG ECON	2.99	3.35	2.74	.23	.45	15.09

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
CYC A COAL FLOW KL	20.65	20.91	20.48	.11	.23	1.09
CYC B COAL FLOW KL	20.67	20.92	20.52	.11	.21	1.03
CYC C COAL FLOW KL	20.68	20.92	20.52	.11	.21	1.02
CYC A SEC AIR FLOW	201.90	203.78	200.63	.91	1.83	.91
CYC B SEC AIR FLOW	198.53	200.49	197.42	.90	1.80	.91
CYC C SEC AIR FLOW	202.58	204.39	201.28	1.01	2.03	1.00
CYC A SEC AIR T	530.07	536.32	522.77	4.38	8.76	1.65
CYC B SEC AIR T	560.23	563.45	555.67	2.57	5.14	.92
CYC C SEC AIR T	510.56	514.44	506.86	2.39	4.77	.93
RH SP VLV POS	38.46	45.55	29.05	8.01	16.02	41.66
SH SP VLV POS	33.53	47.32	22.13	7.68	15.36	45.82
SH SP VLV POS	31.99	34.84	0.00	23.65	47.31	147.87
GR DMPR DEMAND	-5.00	-5.00	-5.00	0.00	0.00	0.00
RECIRC AIR DMPR P	0.00	0.00	0.00	0.00	0.00	0.00
SH PASS DMPR P	69.31	100.00	24.25	32.77	65.54	94.56
RH PASS DMPR P	67.52	100.00	35.04	33.92	67.85	100.48
FURNACE GAS P IN	19.87	21.02	18.88	.66	1.33	6.67
AIR ENT AH T	137.98	142.59	134.05	2.64	5.28	3.83
AIR ENT AH T	137.96	142.42	134.31	2.49	4.97	3.61
AIR ENT AH T	135.23	139.35	132.24	2.04	4.08	3.01
AIR ENT AH T	135.68	139.85	132.82	2.03	4.07	3.00
GAS LVG AH T	314.19	317.71	310.91	2.18	4.36	1.39
GAS LVG AH T	296.38	299.81	292.89	2.25	4.49	1.52
GAS LVG AH T	283.62	287.61	280.76	2.23	4.46	1.57
GAS LVG AH T	287.10	290.57	284.53	1.91	3.81	1.33
BRN SA/GR T	525.97	535.23	504.02	10.93	21.87	4.16
BRN SEC AIR T	532.84	536.77	528.10	2.66	5.31	1.00
GAS LVG RH PASS	615.32	627.53	607.26	5.47	10.94	1.78
GAS LVG RH PASS	629.96	641.30	621.10	6.29	12.58	2.00
GAS LVG RH PASS	0.00	0.00	0.00	0.00	0.00	0.00
GAS LVG RH PASS	658.96	666.06	650.08	6.57	13.14	1.99
GAS LVG RH PASS	607.91	621.95	601.76	6.18	12.37	2.03
GAS LVG RH PASS	619.00	632.84	608.02	7.08	14.17	2.29
GAS LVG RH PASS	627.57	638.55	620.51	5.69	11.38	1.81
GAS LVG RH PASS	624.72	635.42	615.82	5.66	11.31	1.81
GAS LVG RH PASS	619.01	630.02	611.13	5.54	11.08	1.79
GAS LVG RH PASS	638.53	648.12	630.03	5.61	11.21	1.76
GAS LVG RH PASS	630.03	641.49	623.50	5.79	11.58	1.84
GAS LVG RH PASS	641.52	650.56	632.82	5.30	10.59	1.65
GAS LVG SH PASS	-401.16	-384.27	-419.12	12.51	25.02	-6.24
GAS LVG SH PASS	631.36	645.06	614.31	8.95	17.90	2.84
GAS LVG SH PASS	645.13	658.97	623.88	10.24	20.47	3.17
GAS LVG SH PASS	677.55	694.54	648.30	14.63	29.26	4.32
GAS LVG SH PASS	597.16	606.35	587.46	5.53	11.06	1.85
GAS LVG SH PASS	609.56	620.04	596.80	6.95	13.89	2.28
GAS LVG SH PASS	615.24	628.29	600.18	7.98	15.96	2.59
GAS LVG SH PASS	660.55	668.81	642.57	9.02	18.05	2.73
GAS LVG SH PASS	635.90	644.52	618.92	8.27	16.53	2.60
GAS LVG SH PASS	633.32	649.84	615.63	9.79	19.58	3.09
GAS LVG SH PASS	627.53	639.71	611.44	8.19	16.37	2.61
GAS LVG SH PASS	-543.88	-525.47	-562.34	13.63	27.25	-5.01
OFA TEMP	518.30	521.52	515.54	2.22	4.45	.86
PSH OUT LEG T	766.39	774.40	756.16	5.25	10.50	1.37
PSH OUT LEG T	774.56	785.64	759.96	7.40	14.80	1.91
PSH OUT LEG T	725.64	735.43	715.18	5.66	11.32	1.56
PSH OUT LEG T	739.40	748.53	727.47	6.21	12.42	1.68
PSH OUT LEG T	750.11	758.90	741.77	5.65	11.30	1.51
PSH OUT LEG T	760.81	769.86	752.02	5.98	11.96	1.57
PSH OUT LEG T	753.96	765.20	737.88	8.51	17.01	2.26
PSH OUT LEG T	778.94	791.66	763.93	8.82	17.65	2.27
PSH OUT LEG T	758.34	768.87	738.99	9.82	19.65	2.59
PSH OUT LEG T	770.17	779.26	756.39	7.64	15.27	1.98
PSH OUT LEG T	783.00	792.49	768.17	8.20	16.41	2.10
PULV INLET T	516.22	520.34	511.73	3.33	6.66	1.29

RH PEND IN LEG	939.94	945.33	929.41	5.32	10.64	1.13
RH PEND IN LEG	935.30	942.95	923.41	6.17	12.34	1.32
RH PEND IN LEG	934.95	941.12	924.30	5.48	10.96	1.17
RH PEND IN LEG	934.32	941.42	923.15	5.91	11.81	1.26
RH PEND IN LEG	0.00	0.00	0.00	0.00	0.00	0.00
RH PEND IN LEG	953.73	959.44	940.41	5.59	11.18	1.17
RH PEND IN LEG	928.12	933.76	913.92	5.76	11.52	1.24
RH PEND IN LEG	932.48	936.95	918.85	5.40	10.80	1.16
RH PEND IN LEG	939.67	945.88	927.79	5.47	10.94	1.16
SSH PEND IN LEG	896.59	904.05	890.06	4.07	8.13	.91
SSH PEND IN LEG	847.26	860.38	835.55	6.29	12.59	1.49
SSH PEND IN LEG	871.30	881.56	859.93	4.95	9.89	1.14
SSH PEND IN LEG	877.06	883.92	865.14	4.54	9.07	1.03
SSH PEND IN LEG	886.68	892.51	873.15	5.14	10.28	1.16
SSH PEND IN LEG	866.97	873.48	851.38	6.07	12.13	1.40
SSH PEND IN LEG	883.75	892.11	870.66	5.62	11.23	1.27
SSH PEND IN LEG	884.76	889.62	878.23	4.50	9.00	1.02
SSH PEND IN LEG	879.06	884.03	872.29	4.13	8.26	.94
SSH PEND IN LEG	880.41	884.82	872.92	3.83	7.66	.87
RH INTM HND HOLE	857.63	866.97	851.55	3.85	7.70	.90
RH INTM HND HOLE	938.44	941.42	926.30	4.16	8.31	.89
BRN GAS REC DMPR P	847.18	850.13	838.32	3.04	6.09	.72
OVRFIRE AIR DMPR P	31.47	33.27	29.70	1.20	2.40	7.64
BRN SEC AIR DMPR P	50.09	51.82	48.26	1.11	2.21	4.42
FLAME INTENSITY #1	17.51	17.68	17.11	.17	.34	1.97
FLAME INTENSITY #2	106.14	106.21	0.00	55.43	110.86	104.45
FLAME INTENSITY #3	105.65	106.06	105.39	.17	.33	.32
FLAME INTENSITY #4	106.15	106.23	0.00	90.53	181.06	170.56
PULV DIFF P IN WG	105.87	106.15	105.55	.19	.38	.36
PULV AMPS	14.65	14.81	14.57	.07	.15	1.01
ROT CLASS AMPS	271.51	275.97	267.33	3.18	6.36	2.34
PULV PA FAN AMPS	49.07	49.31	48.90	.12	.23	.47
PULV PA FLOW	92.66	93.95	90.20	1.23	2.46	2.65
EC AIR FLOW	59.90	60.10	59.73	.09	.19	.31
A AIR FLOW	29.99	30.16	29.83	.10	.19	.64
R TO SEC AIR	235.90	244.02	225.22	5.73	11.46	4.86
RN SEC AIR P IN	11.52	11.71	11.34	.10	.21	1.81
O2 IN SEC AIR	22.72	23.87	21.90	.63	1.26	5.55
BRN GAS REC P IN	16.00	16.04	15.93	.03	.06	.38
ROT CLASS RPM	22.73	23.93	22.08	.63	1.26	5.54
PULV COAL FLOW KL	161.49	161.53	161.46	.03	.05	.03
ACCUREX CO PPM	28.14	28.36	27.94	.11	.21	.75
ACCUREX NOX PPM	23.21	29.05	13.72	5.96	11.91	51.32
ACCUREX O2 %	241.70	249.75	234.56	5.44	10.89	4.50
ACCUREX SOX PPM	3.19	3.35	3.06	.10	.21	6.46
COAL SILO LEVEL	1019.71	1061.53	1006.54	14.08	28.16	2.76
ROT CLASS DP IN WG	81.87	95.30	64.05	10.64	21.29	26.00
HOT PRI AIR DMPR P	.54	.55	.53	.01	.02	3.03
AIR LVG FD FAN T	99.52	99.89	99.07	.23	.46	.47
AIR LVG FD FAN T	132.26	136.52	129.66	1.99	3.98	3.01
W HTR E EXT P	135.64	140.01	131.87	2.50	4.99	3.68
BAROMETRIC P IN	434.87	436.34	432.71	1.46	2.92	.67
EL HUMIDITY %	29.50	29.50	29.49	.00	.01	.02
AS LVG ECON (T)	7.70	7.78	7.54	.07	.14	1.81
AS LVG ECON (T)	656.83	665.46	641.06	9.68	19.37	2.95
AS LVG AH (T)	638.44	652.13	627.31	7.07	14.15	2.22
IR ENT AH (T)	286.48	290.05	283.56	2.07	4.13	1.44
ST STG STM FLW	137.73	142.33	134.20	2.45	4.90	3.56
LOW DOWN FLOW	772.64	776.01	770.48	1.62	3.25	.42
R FAN BUS VOLT	0.00	0.00	0.00	0.00	0.00	0.00
OTAL GR FLOW	4160.00	4160.00	4160.00	0.00	0.00	0.00
TO SEC AIR	99.11	102.89	0.00	51.81	103.62	104.54
O FURN	11.05	11.22	0.00	5.77	11.54	104.47
AIR FLOW	88.06	91.79	0.00	46.04	92.09	104.57
WDR RVR BASN CO	42.81	58.48	0.00	23.62	47.23	110.32
CLONE STOIC	0.00	0.00	0.00	0.00	0.00	0.00
	1.08	1.09	0.00	.56	1.13	104.45

REBRN WB STOIC	.40	.40	0.00	.21	.41	104.45
REBRN STOIC	.84	.85	0.00	.44	.88	104.45
LVG FURN STOIC	1.14	1.15	0.00	.60	1.20	104.45
LVG ECON STOIC	1.15	1.16	0.00	.60	1.21	104.45
AMBIENT AIR DB TEM	0.00	0.00	0.00	0.00	0.00	0.00
GAS LVG RH PS T	628.24	639.41	0.00	328.14	656.28	104.46
GAS LVG SH PS T	630.42	637.91	0.00	329.30	658.59	104.47
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	0.00
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	0.00
DRY BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	0.00
WET BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	0.00
AIR ENT AH P	0.00	0.00	0.00	0.00	0.00	0.00
AIR LVG AH P	0.00	0.00	0.00	0.00	0.00	0.00
CYC A TA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC A PA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC A TOT P	0.00	0.00	0.00	0.00	0.00	0.00
CYC B TA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC B PA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC B TOT P	0.00	0.00	0.00	0.00	0.00	0.00
CYC C TA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC C PA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC C TOT P	0.00	0.00	0.00	0.00	0.00	0.00
LVG SSH PLAT P	0.00	0.00	0.00	0.00	0.00	0.00
ENT PSH P	0.00	0.00	0.00	0.00	0.00	0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	0.00
GAS ENT AH P	0.00	0.00	0.00	0.00	0.00	0.00
GAS LVG AH P	0.00	0.00	0.00	0.00	0.00	0.00
SEC SH OUT P	0.00	0.00	0.00	0.00	0.00	0.00

TEST #9P : 82 MW : FORMAL PERFORMANCE TEST : WITH SOOTBLOWING

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
O2 LVG ECON (T)	2.89	3.25	2.65	.23	.47	16.18
O2 LVG ECON (T)	2.77	3.09	2.62	.15	.30	10.89
CO2 LVG ECON (T)	16.12	16.41	15.80	.21	.42	2.59
CO2 LVG ECON (T)	15.89	16.00	15.70	.10	.21	1.30
CO LVG ECON (T)	104.21	109.39	96.01	4.56	9.13	8.76
CO LVG ECON (T)	80.97	99.87	71.04	10.06	20.12	24.85
NOX LVG ECON (T)	232.77	251.69	221.61	11.38	22.75	9.77
NOX LVG ECON (T)	294.04	307.03	285.78	8.07	16.13	5.49
DRUM PRESS (T)	1522.21	1525.01	1520.96	1.50	3.01	.20
ENT RH-1 P (T)	0.00	0.00	0.00	0.00	0.00	0.00
LVG RH-1 P (T)	309.88	313.38	307.70	1.95	3.89	1.26
SEC SH OUT P (T)	1471.94	1474.61	1470.38	1.60	3.19	.22
FW HTR E EXT P	314.48	318.45	312.09	2.18	4.36	1.39
ECON H2O OUT T	506.06	507.23	504.92	.69	1.38	.27
ECON H2O OUT T	477.99	478.61	476.64	.66	1.33	.28
AMBIENT AIR TEMP	83.68	84.61	82.54	.61	1.22	1.46
PRI SH OUT T	743.98	749.50	735.01	4.98	9.95	1.34
PRI SH OUT T	758.81	763.08	749.26	4.93	9.86	1.30
AIR LVG AH T	542.96	543.93	541.66	.84	1.68	.31
AIR LVG AH T	547.00	550.78	543.53	2.84	5.68	1.04
AIR LVG FD FAN T	144.78	146.56	143.67	1.11	2.22	1.53
AIR LVG FD FAN T	150.11	151.05	149.37	.54	1.08	.72
RH SPRAY H2O T	295.25	301.31	294.06	2.67	5.35	1.81
FW HTR E ENT T	359.20	359.79	358.60	.50	.99	.28
FW HTR E EXT T	679.89	681.91	675.61	2.57	5.14	.76
ENT RH T	674.42	677.24	670.46	2.75	5.49	.81
FW HTR E DRN T	374.91	375.37	374.36	.47	.93	.25
FW HTR E LVG T	427.17	428.06	426.64	.51	1.02	.24
O2 LVG AH (T)	5.69	5.80	5.53	.12	.24	4.27
O2 LVG GR FAN (T)	0.00	0.00	0.00	0.00	0.00	0.00
CO2 LVG AH (T)	33.39	49.48	7.84	18.33	36.66	109.80
GAS TEMP LVG GR FA	0.00	0.00	0.00	0.00	0.00	0.00
AIR ENT FD FAN	112.56	114.66	111.09	1.63	3.27	2.90
LOAD MW	82.03	82.79	81.49	.47	.94	1.15
MAIN STEAM FLOW	568.71	575.04	564.23	3.77	7.53	1.32
FW FLOW	560.38	561.31	559.64	.60	1.20	.21
RH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	0.00
SH SPRAY FLOW	4.02	5.88	0.00	2.22	4.44	110.45
SH SPRAY FLOW	11.33	13.14	6.25	2.45	4.90	43.28
GR FAN AMPS	.08	.08	.08	0.00	0.00	0.00
GR FAN AMPS	41.60	42.87	40.20	1.25	2.50	6.00
1st STG PRESS	750.74	761.65	741.46	7.17	14.34	1.91
OIL FLOW 2A	.00	.00	.00	0.00	0.00	0.00
OIL FLOW 2B	.00	.00	0.00	.00	.00	141.42
OIL FLOW 2C	.00	.00	0.00	.00	.00	141.42
SSH OUT T	996.92	998.82	989.30	3.41	6.82	.68
SSH OUT T	996.96	1001.39	987.95	5.77	11.55	1.16
SSH OUT AVE T	994.00	997.13	986.45	4.07	8.14	.82
LVG SH ATTMP T	727.25	735.42	714.73	8.78	17.56	2.41
LVG SH ATTMP T	697.57	707.84	692.65	5.27	10.55	1.51
ECON H2O IN T	430.08	430.71	429.43	.57	1.14	.27
LVG RH T	990.72	994.63	982.47	4.42	8.83	.89
COLD RH T	682.67	685.33	678.36	2.58	5.17	.76
TURB THROT P	1449.45	1449.66	1448.72	.35	.69	.05
DRUM PRESS	1526.00	1527.13	1524.87	.95	1.90	.12
LVG RH PRESS	305.63	308.84	303.52	1.82	3.65	1.19
ENT RH PRESS	327.19	330.95	324.89	2.08	4.15	1.27
O2 LVG ECON	2.99	3.26	2.91	.12	.24	8.10
O2 LVG ECON	2.94	3.32	2.67	.24	.49	16.49

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
CYC A COAL FLOW KL	22.45	23.52	22.20	.47	.95	4.23
CYC B COAL FLOW KL	-.01	-.01	-.01	0.00	0.00	0.00
CYC C COAL FLOW KL	22.47	23.53	22.22	.47	.94	4.19
CYC A SEC AIR FLOW	218.44	225.33	215.15	3.19	6.38	2.92
CYC B SEC AIR FLOW	6.26	8.13	5.25	1.34	2.67	42.75
CYC C SEC AIR FLOW	218.78	226.01	216.87	3.26	6.52	2.98
CYC A SEC AIR T	508.74	510.72	506.47	2.12	4.25	.83
CYC B SEC AIR T	543.46	545.71	540.94	1.77	3.54	.65
CYC C SEC AIR T	515.37	517.75	512.08	2.26	4.52	.88
RH SP VLV POS	-5.00	-5.00	-5.00	0.00	0.00	0.00
SH SP VLV POS	49.96	54.38	39.52	5.34	10.68	21.37
SH SP VLV POS	33.99	37.91	29.59	3.18	6.37	18.74
GR DMPR DEMAND	64.41	67.18	59.19	3.78	7.55	11.73
RECIRC AIR DMPR P	0.00	0.00	0.00	0.00	0.00	0.00
SH PASS DMPR P	14.82	14.82	14.82	0.00	0.00	0.00
RH PASS DMPR P	100.00	100.00	100.00	0.00	0.00	0.00
FURNACE GAS P IN	13.53	14.02	12.96	.44	.88	6.49
AIR ENT AH T	149.70	150.73	149.30	.49	.98	.66
AIR ENT AH T	149.07	150.18	148.39	.61	1.23	.83
AIR ENT AH T	144.00	146.13	142.69	1.36	2.72	1.89
AIR ENT AH T	145.01	147.20	143.73	1.34	2.68	1.85
GAS LVG AH T	309.46	311.71	307.03	2.17	4.35	1.41
GAS LVG AH T	294.10	295.93	292.13	1.79	3.57	1.22
GAS LVG AH T	281.97	282.52	281.23	.61	1.23	.44
GAS LVG AH T	284.22	285.11	283.96	.41	.82	.29
BRN SA/GR T	545.17	547.28	542.75	1.85	3.70	.68
BRN SEC AIR T	550.73	554.52	547.10	3.05	6.10	1.11
GAS LVG RH PASS	595.44	598.94	592.71	2.80	5.61	.94
GAS LVG RH PASS	612.23	617.66	608.73	3.78	7.57	1.24
GAS LVG RH PASS	0.00	0.00	0.00	0.00	0.00	0.00
GAS LVG RH PASS	635.46	644.15	628.80	6.79	13.57	2.14
GAS LVG RH PASS	588.67	592.19	585.65	2.72	5.45	.93
GAS LVG RH PASS	601.16	607.00	597.80	4.14	8.29	1.38
GAS LVG RH PASS	612.09	620.00	607.08	6.06	12.12	1.98
GAS LVG RH PASS	607.02	613.66	602.25	5.17	10.33	1.70
GAS LVG RH PASS	600.47	605.27	597.80	3.34	6.67	1.11
GAS LVG RH PASS	622.69	628.72	619.10	4.33	8.66	1.39
GAS LVG RH PASS	619.34	627.51	613.66	6.05	12.09	1.95
GAS LVG RH PASS	617.57	625.19	611.16	6.15	12.31	1.99
GAS LVG SH PASS	-316.85	-309.91	-322.42	5.85	11.70	-3.69
GAS LVG SH PASS	561.48	565.41	555.90	4.44	8.87	1.58
GAS LVG SH PASS	567.52	572.38	560.88	5.32	10.65	1.88
GAS LVG SH PASS	588.02	591.03	582.95	3.67	7.34	1.25
GAS LVG SH PASS	541.09	545.11	536.08	4.31	8.62	1.59
GAS LVG SH PASS	545.60	547.89	542.06	2.54	5.07	.93
GAS LVG SH PASS	547.57	551.07	542.93	3.62	7.24	1.32
GAS LVG SH PASS	585.02	588.21	580.68	3.07	6.14	1.05
GAS LVG SH PASS	561.39	563.36	557.98	2.34	4.69	.84
GAS LVG SH PASS	572.65	579.28	563.22	7.36	14.72	2.57
GAS LVG SH PASS	564.12	567.98	557.90	4.67	9.34	1.66
GAS LVG SH PASS	-439.31	-435.62	-442.81	2.90	5.80	-1.32
OFA TEMP	512.11	513.26	510.18	1.21	2.42	.47
PSH OUT LEG T	768.32	770.29	761.54	3.06	6.12	.80
PSH OUT LEG T	770.20	772.05	762.95	3.23	6.47	.84
PSH OUT LEG T	728.00	733.40	719.44	4.62	9.24	1.27
PSH OUT LEG T	736.99	740.73	729.37	3.81	7.63	1.04
PSH OUT LEG T	755.22	758.91	747.63	3.95	7.89	1.05
PSH OUT LEG T	767.91	770.64	760.16	3.75	7.51	.98
PSH OUT LEG T	746.74	749.13	738.07	4.10	8.19	1.10
PSH OUT LEG T	776.94	779.16	768.70	3.91	7.83	1.01
PSH OUT LEG T	745.49	747.70	737.98	3.56	7.11	.95
PSH OUT LEG T	762.09	764.44	755.24	3.25	6.50	.85
PSH OUT LEG T	771.42	775.48	764.12	3.72	7.44	.96
PULV INLET T	509.13	510.54	506.16	1.83	3.67	.72

PULV OUTLET T	175.19	175.78	174.71	.51	1.03	.59
RH PEND IN LEG	935.98	943.21	927.84	4.61	9.22	.99
RH PEND IN LEG	926.71	937.24	916.45	6.26	12.52	1.35
RH PEND IN LEG	929.24	937.36	920.56	5.00	10.00	1.08
RH PEND IN LEG	926.11	935.48	916.55	5.64	11.28	1.22
RH PEND IN LEG	0.00	0.00	0.00	0.00	0.00	0.00
RH PEND IN LEG	958.28	967.36	948.35	6.07	12.14	1.27
RH PEND IN LEG	932.26	938.40	923.54	5.91	11.83	1.27
RH PEND IN LEG	929.08	938.87	923.36	6.99	13.97	1.50
RH PEND IN LEG	935.51	943.68	926.39	5.27	10.53	1.13
RH PEND IN LEG	875.79	881.56	869.79	5.24	10.49	1.20
SSH PEND IN LEG	849.93	852.34	839.50	4.66	9.32	1.10
SSH PEND IN LEG	864.18	867.86	853.40	5.00	10.00	1.16
SSH PEND IN LEG	856.79	861.34	847.45	4.91	9.82	1.15
SSH PEND IN LEG	857.79	862.99	849.61	5.29	10.59	1.23
SSH PEND IN LEG	831.14	836.66	825.54	5.37	10.74	1.29
SSH PEND IN LEG	859.09	864.67	852.32	5.82	11.65	1.36
SSH PEND IN LEG	885.21	892.25	876.49	6.91	13.82	1.56
SSH PEND IN LEG	880.12	885.66	872.83	5.88	11.76	1.34
SSH PEND IN LEG	875.20	881.69	870.29	4.21	8.41	.96
SSH PEND IN LEG	845.05	852.57	840.75	4.00	8.00	.95
RH INTM HND HOLE	934.06	938.74	929.74	2.86	5.73	.61
RH INTM HND HOLE	829.59	831.71	827.17	2.16	4.32	.52
BRN GAS REC DMPR P	28.91	29.89	28.01	.73	1.47	5.08
OVRFIRE AIR DMPR P	35.36	35.92	34.92	.43	.86	2.43
BRN SEC AIR DMPR P	17.09	17.26	16.84	.19	.37	2.17
FLAME INTENSITY #1	106.04	106.07	0.00	74.98	149.96	141.42
FLAME INTENSITY #2	106.14	106.22	106.02	.08	.17	.16
FLAME INTENSITY #3	0.00	0.00	0.00	0.00	0.00	0.00
FLAME INTENSITY #4	106.10	106.19	0.00	43.32	86.63	81.65
PULV DIFF P IN WG	13.75	13.99	13.57	.19	.37	2.72
PULV AMPS	246.92	248.36	245.17	1.39	2.77	1.12
ROT CLASS AMPS	47.36	47.83	46.84	.48	.95	2.01
PULV PA FAN AMPS	70.98	77.28	66.79	4.45	8.91	12.55
PULV PA FLOW	54.12	54.69	53.90	.26	.53	.98
SEC AIR FLOW	31.44	31.61	31.36	.10	.21	.66
OFA AIR FLOW	140.04	145.25	135.56	3.99	7.97	5.69
GR TO SEC AIR	11.37	11.57	11.13	.18	.37	3.22
BRN SEC AIR P IN	15.55	15.89	15.00	.28	.56	3.63
O2 IN SEC AIR	16.21	16.29	16.13	.05	.11	.66
BRN GAS REC P IN	15.34	15.84	14.96	.35	.71	4.63
ROT CLASS RPM	161.79	161.84	161.76	.03	.07	.04
PULV COAL FLOW KL	23.52	23.97	23.33	.21	.42	1.77
ACCUREX CO PPM	53.69	59.16	51.93	2.52	5.03	9.38
ACCUREX NOX PPM	234.18	251.89	225.22	9.29	18.58	7.93
ACCUREX O2 %	3.51	3.89	3.25	.25	.50	14.18
ACCUREX SOX PPM	1059.65	1079.38	1037.55	19.77	39.53	3.73
COAL SILO LEVEL	83.68	92.54	75.99	7.06	14.11	16.87
ROT CLASS DP IN WG	.50	.50	.50	.00	.00	.96
HOT PRI AIR DMPR P	99.38	99.79	98.99	.32	.64	.64
AIR LVG FD FAN T	141.64	143.53	140.31	1.35	2.69	1.90
AIR LVG FD FAN T	147.10	148.06	146.38	.54	1.08	.74
FW HTR E EXT P	312.93	316.93	310.91	2.07	4.13	1.32
BAROMETRIC P IN	29.46	29.47	29.45	.01	.01	.04
REL HUMIDITY %	7.51	7.53	7.48	.03	.05	.68
GAS LVG ECON (T)	659.74	669.57	642.09	10.24	20.47	3.10
GAS LVG ECON (T)	584.06	586.64	580.95	2.30	4.60	.79
GAS LVG AH (T)	282.36	283.18	281.31	.82	1.64	.58
AIR ENT AH (T)	148.05	149.33	147.21	.78	1.56	1.06
1ST STG STM FLW	545.52	553.15	539.02	5.02	10.04	1.84
BLOW DOWN FLOW	0.00	0.00	0.00	0.00	0.00	0.00
GR FAN BUS VOLT	4160.00	4160.00	4160.00	0.00	0.00	0.00
TOTAL GR FLOW	256.23	273.97	0.00	148.57	297.14	115.97
GR TO SEC AIR	10.86	11.01	0.00	6.27	12.54	115.50
GR TO FURN	245.37	263.41	0.00	142.33	284.67	116.02
TMP AIR FLOW	12.34	18.59	0.00	9.38	18.75	151.90
% PWDR RVR BASN CO	0.00	0.00	0.00	0.00	0.00	0.00

CYCLONE STOIC	1.12	1.15	0.00	.65	1.29	115.51
REBRN WB STOIC	.45	.46	0.00	.26	.52	115.48
REBRN STOIC	.90	.92	0.00	.52	1.04	115.49
LVG FURN STOIC	1.14	1.16	0.00	.66	1.32	115.49
LVG ECON STOIC	1.15	1.17	0.00	.67	1.33	115.49
AMBIENT AIR DB TEM	0.00	0.00	0.00	0.00	0.00	0.00
GAS LVG RH PS T	609.77	616.39	0.00	352.07	704.13	115.48
GAS LVG SH PS T	563.96	567.14	0.00	325.62	651.24	115.48
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	0.00
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	0.00
DRY BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	0.00
WET BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	0.00
AIR ENT AH P	0.00	0.00	0.00	0.00	0.00	0.00
AIR LVG AH P	0.00	0.00	0.00	0.00	0.00	0.00
CYC A TA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC A PA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC A TOT P	0.00	0.00	0.00	0.00	0.00	0.00
CYC B TA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC B PA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC B TOT P	0.00	0.00	0.00	0.00	0.00	0.00
CYC C TA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC C PA DIFF P	0.00	0.00	0.00	0.00	0.00	0.00
CYC C TOT P	0.00	0.00	0.00	0.00	0.00	0.00
LVG SSH PLAT P	0.00	0.00	0.00	0.00	0.00	0.00
ENT PSH P	0.00	0.00	0.00	0.00	0.00	0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	0.00
GAS ENT AH P	0.00	0.00	0.00	0.00	0.00	0.00
GAS LVG AH P	0.00	0.00	0.00	0.00	0.00	0.00
SEC SH OUT P	0.00	0.00	0.00	0.00	0.00	0.00

TEST F1 : 82 MW CYCLONES AT SAME LOAD AS 110 MW W/RBN

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
O2 LVG ECON (T)	3.57	3.68	3.49	.05	.10	+2.85
O2 LVG ECON (T)	3.45	3.51	3.30	.05	.11	+3.18
CO2 LVG ECON (T)	15.87	16.06	15.40	.21	.43	+2.69
CO2 LVG ECON (T)	15.39	15.51	15.33	.05	.10	+.64
CO LVG ECON (T)	71.83	75.94	67.33	2.66	5.33	+7.41
CO LVG ECON (T)	56.49	88.92	46.68	10.44	20.89	+36.97
NOX LVG ECON (T)	554.31	598.55	509.97	25.97	51.94	+9.37
NOX LVG ECON (T)	539.00	584.93	491.27	31.51	63.01	+11.69
DRUM PRESS (T)	1486.30	1488.19	1485.29	.79	1.58	+.11
ENT RH-1 P (T)	296.72	298.02	295.49	.82	1.65	+.55
LVG RH-1 P (T)	284.46	285.67	283.12	.78	1.56	+.55
SEC SH OUT P (T)	1456.94	1458.20	1455.30	1.01	2.03	+.14
FW HTR E EXT P	288.43	289.70	287.14	.81	1.61	+.56
ECON H2O OUT T	506.01	518.09	503.69	3.76	7.53	+1.49
ECON H2O OUT T	473.99	477.60	470.04	2.49	4.97	+1.05
AMBIENT AIR TEMP	104.34	104.61	103.96	.23	.47	+.45
PRI SH OUT T	741.96	748.93	732.71	4.99	9.99	+1.35
PRI SH OUT T	761.47	770.12	750.33	5.85	11.70	+1.54
AIR LVG AH T	0.00	0.00	0.00	0.00	0.00	+0.00
AIR LVG AH T	566.72	569.40	563.59	1.80	3.60	+.64
AIR LVG FD FAN T	121.05	121.60	119.56	.59	1.18	+.98
AIR LVG FD FAN T	121.37	122.17	120.69	.41	.81	+.67
RH SPRAY H2O T	290.24	290.53	289.97	.15	.29	+.10
FW HTR E ENT T	355.39	355.73	354.78	.25	.50	+.14
FW HTR E EXT T	669.11	671.01	667.60	.95	1.90	+.28
ENT RH T	662.25	664.08	660.87	.88	1.76	+.27
FW HTR E DRN T	371.22	371.97	370.80	.33	.66	+.18
FW HTR E LVG T	419.95	420.36	419.23	.33	.65	+.15
O2 LVG AH (T)	4.94	5.02	4.87	.05	.10	+2.06
O2 LVG GR FAN (T)	0.00	0.00	0.00	0.00	0.00	+0.00
CO2 LVG AH (T)	3.78	3.78	3.78	0.00	0.00	+0.00
GAS TEMP LVG GR FA	0.00	0.00	0.00	0.00	0.00	+0.00
AIR ENT FD FAN	81.94	82.85	80.37	.82	1.64	+2.00
LOAD MW	77.34	77.66	76.94	.19	.38	+.50
MAIN STEAM FLOW	515.12	517.56	510.84	1.94	3.88	+.75
FW FLOW	516.83	521.92	512.25	2.52	5.03	+.97
RH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
SH SPRAY FLOW	1.89	2.60	0.00	1.03	2.06	+108.94
SH SPRAY FLOW	2.66	4.22	0.00	1.87	3.74	+140.44
GR FAN AMPS	39.45	39.78	39.07	.23	.46	+1.17
GR FAN AMPS	.06	.06	.06	0.00	0.00	+0.00
1st STG PRESS	690.40	695.65	687.48	2.28	4.56	+.66
OIL FLOW 2A	.00	.00	.00	0.00	0.00	+0.00
OIL FLOW 2B	.00	.00	.00	.00	.00	+29.50
OIL FLOW 2C	.00	.00	.00	0.00	0.00	+0.00
SSH OUT T	998.92	1003.73	995.89	2.32	4.64	+.46
SSH OUT T	999.22	1001.30	996.86	1.39	2.77	+.28
SSH OUT AVE T	999.65	1002.72	997.46	1.34	2.68	+.27
LVG SH ATTMP T	730.56	737.19	724.74	3.49	6.99	+.96
LVG SH ATTMP T	730.45	737.16	725.98	3.34	6.69	+.92
ECON H2O IN T	421.77	422.90	420.80	.63	1.25	+.30
LVG RH T	999.40	1002.50	994.61	2.05	4.10	+.41
COLD RH T	670.88	672.59	669.32	.99	1.98	+.29
TURB THROT P	1450.14	1451.17	1449.46	.60	1.20	+.08
DRUM PRESS	1520.47	1522.21	1519.01	.85	1.71	+.11
LVG RH PRESS	282.34	283.59	281.32	.73	1.46	+.52
ENT RH PRESS	295.78	297.00	294.48	.88	1.77	+.60
O2 LVG ECON	3.48	3.56	3.36	.05	.11	+3.07
O2 LVG ECON	3.42	3.53	3.32	.05	.11	+3.15

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
CYC A COAL FLOW KL	21.79	22.00	21.54	.14	.28	+1.26
CYC B COAL FLOW KL	21.80	22.01	21.57	.13	.26	+1.19
CYC C COAL FLOW KL	21.81	22.01	21.59	.13	.26	+1.18
CYC A SEC AIR FLOW	206.66	209.73	203.98	1.54	3.09	+1.49
CYC B SEC AIR FLOW	206.13	208.45	201.58	2.07	4.14	+2.01
CYC C SEC AIR FLOW	206.83	208.76	204.64	1.05	2.10	+1.01
CYC A SEC AIR T	508.18	510.06	506.73	.99	1.98	+.39
CYC B SEC AIR T	557.24	559.65	554.19	1.90	3.80	+.68
CYC C SEC AIR T	522.51	524.98	520.09	1.73	3.47	+.66
RH SP VLV POS	-5.00	-5.00	-5.00	0.00	0.00	+0.00
SH SP VLV POS	35.09	38.65	30.25	2.69	5.37	+15.31
SH SP VLV POS	32.38	34.03	26.36	2.00	4.00	+12.36
GR DMPR DEMAND	85.91	85.91	85.91	0.00	0.00	+0.00
RECIRC AIR DMPR P	17.30	17.76	16.44	.41	.81	+4.69
SH PASS DMPR P	11.91	18.41	5.15	3.95	7.89	+66.27
RH PASS DMPR P	100.00	100.00	100.00	0.00	0.00	+0.00
FURNACE GAS P IN	12.15	12.46	11.82	.21	.42	+3.43
AIR ENT AH T	163.31	166.80	157.52	2.96	5.92	+3.62
AIR ENT AH T	143.84	144.47	143.17	.42	.84	+.59
AIR ENT AH T	179.08	180.55	176.79	1.26	2.51	+1.40
AIR ENT AH T	162.61	165.13	159.44	1.66	3.32	+2.04
GAS LVG AH T	287.22	293.11	284.11	2.93	5.87	+2.04
GAS LVG AH T	273.90	278.63	270.93	2.36	4.72	+1.72
GAS LVG AH T	270.64	271.80	269.97	.50	1.01	+.37
GAS LVG AH T	281.71	283.34	281.06	.69	1.39	+.49
BRN SA/GR T	493.21	500.46	488.57	3.73	7.46	+1.51
BRN SEC AIR T	521.21	525.39	518.05	2.31	4.63	+.89
GAS LVG RH PASS	639.56	646.19	632.54	4.56	9.12	+1.43
GAS LVG RH PASS	651.64	655.94	647.76	2.58	5.17	+.79
GAS LVG RH PASS	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG RH PASS	659.46	663.02	654.07	2.52	5.03	+.76
GAS LVG RH PASS	627.49	632.43	620.39	3.90	7.80	+1.24
GAS LVG RH PASS	637.10	642.80	631.19	3.48	6.96	+1.09
GAS LVG RH PASS	643.11	648.30	637.69	3.27	6.53	+1.02
GAS LVG RH PASS	631.93	636.17	626.74	2.64	5.29	+.84
GAS LVG RH PASS	633.56	638.25	629.72	2.91	5.83	+.92
GAS LVG RH PASS	645.80	650.04	640.67	3.25	6.50	+1.01
GAS LVG RH PASS	636.99	640.83	631.82	2.89	5.78	+.91
GAS LVG RH PASS	648.00	650.38	644.57	1.86	3.71	+.57
GAS LVG SH PASS	-391.89	-381.12	-400.86	6.00	12.00	-3.06
GAS LVG SH PASS	585.49	595.10	574.35	6.50	12.99	+2.22
GAS LVG SH PASS	591.72	603.94	579.10	7.92	15.84	+2.68
GAS LVG SH PASS	624.02	636.72	611.46	8.51	17.03	+2.73
GAS LVG SH PASS	553.21	561.21	544.71	5.15	10.30	+1.86
GAS LVG SH PASS	567.73	577.46	559.17	5.77	11.55	+2.03
GAS LVG SH PASS	564.95	576.87	555.67	6.64	13.27	+2.35
GAS LVG SH PASS	601.96	610.31	591.29	5.86	11.71	+1.95
GAS LVG SH PASS	587.02	597.09	576.36	5.62	11.24	+1.91
GAS LVG SH PASS	590.40	600.97	575.52	7.67	15.34	+2.60
GAS LVG SH PASS	578.48	587.36	568.87	5.65	11.31	+1.96
GAS LVG SH PASS	-505.68	-500.56	-512.13	4.67	9.35	-1.85
OFA TEMP	466.09	480.60	456.69	7.57	15.15	+3.25
PSH OUT LEG T	762.89	769.49	754.81	4.15	8.30	+1.09
PSH OUT LEG T	765.93	773.12	756.55	4.94	9.87	+1.29
PSH OUT LEG T	726.38	732.84	717.17	4.70	9.40	+1.29
PSH OUT LEG T	737.75	746.21	727.37	5.69	11.38	+1.54

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
PSH OUT LEG T	754.06	761.02	745.63	4.69	9.39	+1.24
PSH OUT LEG T	764.16	769.87	757.32	3.77	7.53	+.99
PSH OUT LEG T	740.52	748.52	731.05	5.28	10.56	+1.43
PSH OUT LEG T	778.77	785.92	769.98	4.94	9.88	+1.27
PSH OUT LEG T	746.49	755.89	736.35	5.97	11.93	+1.60
PSH OUT LEG T	770.68	777.32	762.98	4.53	9.05	+1.17
PSH OUT LEG T	778.32	785.27	770.45	4.72	9.44	+1.21
PULV INLET T	128.54	150.22	110.43	13.04	26.07	+20.28
PULV OUTLET T	130.84	136.36	125.70	3.51	7.02	+5.37
RH PEND IN LEG	942.05	944.84	938.38	1.93	3.86	+.41
RH PEND IN LEG	931.26	934.82	926.93	2.42	4.84	+.52
RH PEND IN LEG	935.92	939.05	931.99	2.05	4.11	+.44
RH PEND IN LEG	932.06	935.41	928.00	2.22	4.44	+.48
RH PEND IN LEG	0.00	0.00	0.00	0.00	0.00	+0.00
RH PEND IN LEG	961.38	963.98	958.60	2.00	4.01	+.42
RH PEND IN LEG	931.47	935.28	928.36	1.79	3.57	+.38
RH PEND IN LEG	940.42	944.59	937.08	1.83	3.65	+.39
RH PEND IN LEG	942.41	945.12	939.02	1.90	3.80	+.40
RH PEND IN LEG	918.61	922.27	913.94	2.21	4.42	+.48
SSH PEND IN LEG	858.23	864.35	853.17	3.86	7.72	+.90
SSH PEND IN LEG	878.08	882.25	874.66	2.60	5.21	+.59
SSH PEND IN LEG	874.53	878.29	871.91	2.04	4.09	+.47
SSH PEND IN LEG	879.38	885.03	875.72	2.84	5.68	+.65
SSH PEND IN LEG	846.02	851.31	842.24	2.97	5.94	+.70
SSH PEND IN LEG	874.18	878.19	871.48	1.97	3.94	+.45
SSH PEND IN LEG	875.31	883.28	871.97	2.83	5.66	+.65
SSH PEND IN LEG	870.45	879.85	866.88	3.14	6.29	+.72
SSH PEND IN LEG	877.49	886.82	874.23	3.13	6.26	+.71
SSH PEND IN LEG	862.81	869.92	858.30	3.07	6.13	+.71
RH INTM HND HOLE	939.51	941.98	934.35	2.22	4.43	+.47
RH INTM HND HOLE	862.80	864.92	859.73	1.44	2.88	+.33
BRN GAS REC DMPR P	0.00	0.00	0.00	0.00	0.00	+0.00
OVRFIRE AIR DMPR P	5.00	5.00	5.00	0.00	0.00	+0.00
BRN SEC AIR DMPR P	1.27	1.74	0.00	1.08	2.17	+170.54
FLAME INTENSITY #1	24.41	37.50	12.42	7.50	15.01	+61.49
FLAME INTENSITY #2	3.64	8.36	2.22	1.57	3.13	+86.08
FLAME INTENSITY #3	3.63	4.15	3.11	.29	.58	+15.91
FLAME INTENSITY #4	4.94	5.57	4.46	.28	.56	+11.36
PULV DIFF P IN WG	-.02	-.01	-.02	.00	.01	-31.24
PULV AMPS	-.13	0.00	-.13	.06	.13	-100.00
ROT CLASS AMPS	.03	.04	.03	.00	.00	+11.39
PULV PA FAN AMPS	-.05	.06	-.13	.08	.16	-333.12
PULV PA FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
SEC AIR FLOW	18.39	18.63	18.07	.18	.36	+1.94
OFA AIR FLOW	31.63	31.85	31.01	.23	.46	+1.46
GR TO SEC AIR	1.98	2.09	1.89	.06	.13	+6.38
BRN SEC AIR P IN	11.12	11.54	10.63	.26	.53	+4.72
O2 IN SEC AIR	19.29	19.33	19.25	.04	.07	+.37
BRN GAS REC P IN	11.15	11.50	10.81	.22	.45	+4.02
ROT CLASS RPM	-.24	-.23	-.24	.00	.01	-2.35
PULV COAL FLOW KL	.08	.08	.07	.00	.01	+8.93
ACCUREX CO PPM	20.65	43.45	16.44	6.97	13.93	+67.47
ACCUREX NOX PPM	514.82	554.43	489.24	19.69	39.38	+7.65
ACCUREX O2 %	3.37	3.43	3.26	.04	.08	+2.47
ACCUREX SOX PPM	1198.86	1245.09	1146.04	28.22	56.43	+4.71
COAL SILO LEVEL	80.95	94.68	46.23	21.32	42.63	+52.66
ROT CLASS DP IN WG	.00	.00	.00	.00	.00	+12.79
HOT PRI AIR DMPR P	0.00	0.00	0.00	0.00	0.00	+0.00
AIR LVG FD FAN T	118.13	119.70	117.69	.60	1.20	+1.01
AIR LVG FD FAN T	119.49	120.17	118.84	.36	.72	+.60

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
FW HTR E ENT P	286.32	287.80	285.18	.82	1.63	+.57
BAROMETRIC P IN	29.52	29.53	29.52	.00	.01	+.02
REL HUMIDITY %	13.55	13.89	13.34	.17	[illegible]	+2.49
GAS LVG ECON (T)	657.26	661.31	653.07	2.41	4.82	+.73
GAS LVG ECON (T)	605.51	611.57	598.66	3.81	7.62	+1.26
GAS LVG AH (T)	270.23	272.83	268.87	1.15	2.30	+.85
AIR ENT AH (T)	165.82	170.27	161.15	2.23	4.45	+2.68
1ST STG STM FLW	503.28	506.95	501.23	1.60	3.19	+.63
BLOW DOWN FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
GR FAN BUS VOLT	4160.00	4160.00	4160.00	0.00	0.00	+0.00
TOTAL GR FLOW	232.65	236.68	227.51	2.91	5.83	+2.50
GR TO SEC AIR	1.80	1.89	1.72	.06	.12	+6.75
GR TO FURN	230.84	234.95	225.63	2.96	5.93	+2.57
~~TMP AIR FLOW~~	~~35.11~~	~~45.07~~	~~28.83~~	~~5.53~~	~~11.05~~	~~+31.49~~
% PWDR RVR BASN CO	0.00	0.00	0.00	0.00	0.00	+0.00
CYCLONE STOIC	1.10	1.11	1.08	.01	.02	+1.76
REBRN WB STOIC	100.00	100.00	100.00	0.00	0.00	+0.00
REBRN STOIC	1.12	1.12	1.12	.00	.00	+.43
LVG FURN STOIC	1.18	1.18	1.17	.00	.01	+.45
LVG ECON STOIC	1.19	1.19	1.18	.00	.01	+.45
AMBIENT AIR DB TEM	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG RH PS T	641.33	644.90	637.82	2.34	4.68	+.73
GAS LVG SH PS T	584.50	593.83	573.65	6.40	12.80	+2.19
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	+0.00
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	+0.00
DRY BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	+0.00
WET BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	+0.00
AIR ENT AH P	0.00	0.00	0.00	0.00	0.00	+0.00
AIR LVG AH P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG SSH PLAT P	0.00	0.00	0.00	0.00	0.00	+0.00
ENT PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	+0.00
GAS ENT AH P	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG AH P	0.00	0.00	0.00	0.00	0.00	+0.00
SEC SH OUT P	0.00	0.00	0.00	0.00	0.00	+0.00

TEST F2 : 110 MW WITH REBURN

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
O2 LVG ECON (T)	2.72	2.79	2.66	.04	.08	+3.07
O2 LVG ECON (T)	3.17	3.26	3.10	.05	.10	+3.27
CO2 LVG ECON (T)	16.56	17.48	16.23	.44	.88	+5.29
CO2 LVG ECON (T)	15.63	15.67	15.56	.04	.08	+.51
CO LVG ECON (T)	74.91	82.39	67.22	4.96	9.93	+13.25
CO LVG ECON (T)	133.50	150.36	111.99	13.65	27.29	+20.45
NOX LVG ECON (T)	304.37	310.28	299.58	3.33	6.66	+2.19
NOX LVG ECON (T)	304.32	310.80	300.33	3.12	6.24	+2.05
DRUM PRESS (T)	1575.03	1575.79	1574.25	.46	.93	+.06
ENT RH-1 P (T)	447.33	448.97	446.11	.88	1.76	+.39
LVG RH-1 P (T)	428.98	430.48	427.75	.82	1.64	+.38
SEC SH OUT P (T)	1483.52	1484.39	1482.58	.53	1.06	+.07
FW HTR E EXT P	435.15	436.89	433.75	.96	1.93	+.44
ECON H2O OUT T	504.25	505.25	502.93	.86	1.72	+.34
ECON H2O OUT T	517.29	519.14	514.96	1.51	3.02	+.58
AMBIENT AIR TEMP	102.32	104.11	101.21	.94	1.88	+1.84
PRI SH OUT T	767.31	773.48	759.64	4.61	9.23	+1.20
PRI SH OUT T	794.69	799.38	787.44	4.13	8.26	+1.04
AIR LVG RH T	0.00	0.00	0.00	0.00	0.00	+0.00
AIR LVG RH T	552.81	559.32	546.76	4.54	9.08	+1.64
AIR LVG FD FAN T	110.36	112.34	108.81	1.18	2.35	+2.13
AIR LVG FD FAN T	111.80	113.66	110.35	1.06	2.13	+1.90
RH SPRAY H2O T	316.47	316.78	316.20	.20	.41	+.13
FW HTR E ENT T	385.98	416.30	382.70	9.55	19.11	+4.95
FW HTR E EXT T	744.47	745.18	743.29	.47	.94	+.13
ENT RH T	725.43	727.24	718.50	2.46	4.92	+.68
FW HTR E DRN T	405.35	407.22	404.00	1.00	2.01	+.50
FW HTR E LVG T	456.46	461.31	455.34	1.57	3.15	+.69
O2 LVG RH (T)	4.10	4.14	4.04	.03	.07	+1.63
O2 LVG GR FAN (T)	0.00	0.00	0.00	0.00	0.00	+0.00
CO2 LVG RH (T)	3.78	3.78	3.78	0.00	0.00	+0.00
GAS TEMP LVG GR FA	0.00	0.00	0.00	0.00	0.00	+0.00
AIR ENT FD FAN	75.11	77.06	73.53	1.12	2.24	+2.98
LOAD MW	109.79	110.13	109.46	.26	.53	+.48
MAIN STEAM FLOW	776.80	777.74	776.09	.48	.96	+.12
FW FLOW	781.72	784.82	779.62	1.40	2.81	+.36
RH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
SH SPRAY FLOW	4.74	7.03	2.22	1.55	3.09	+65.23
SH SPRAY FLOW	4.07	5.67	0.00	2.81	5.62	+138.05
GR FAN AMPS	25.80	25.90	25.69	.07	.13	+.51
GR FAN AMPS	.06	.06	.06	0.00	0.00	+0.00
1st STG PRESS	1075.55	1076.52	1075.02	.49	.98	+.09
OIL FLOW 2A	.00	.00	.00	0.00	0.00	+0.00
OIL FLOW 2B	.00	.00	.00	.00	.00	+26.10
OIL FLOW 2C	.00	.00	.00	0.00	0.00	+0.00
SSH OUT T	998.29	999.31	997.04	.63	1.26	+.13
SSH OUT T	998.83	999.66	997.68	.66	1.33	+.13
SSH OUT AVE T	1003.13	1003.72	1002.10	.53	1.05	+.10
LVG SH ATTMP T	753.17	755.66	750.25	1.54	3.08	+.41
LVG SH ATTMP T	776.00	781.33	771.67	3.72	7.44	+.96
ECON H2O IN T	457.80	458.44	457.01	.44	.87	+.19
LVG RH T	1001.39	1004.71	995.73	2.86	5.72	+.57
COLD RH T	746.35	747.27	745.03	.56	1.11	+.15
TURB THROT P	1450.00	1450.55	1449.29	.33	.66	+.05
DRUM PRESS	1609.68	1610.81	1608.91	.66	1.31	+.08
LVG RH PRESS	426.18	427.65	424.97	.79	1.57	+.37
ENT RH PRESS	450.10	452.17	448.47	1.13	2.25	+.50
O2 LVG ECON	3.27	3.34	3.18	.05	.09	+2.86
O2 LVG ECON	2.43	2.48	2.36	.03	.07	+2.75

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
CYC A COAL FLOW FL	21.69	21.86	21.46	.11	.22	+1.00
CYC B COAL FLOW FL	21.70	21.88	21.48	.11	.21	+.99
CYC C COAL FLOW FL	21.71	21.89	21.50	.11	.21	+.98
CYC A SEC AIR FLOW	201.36	202.85	199.85	.89	1.79	+.89
CYC B SEC AIR FLOW	198.45	201.26	196.43	1.35	2.70	+1.36
CYC C SEC AIR FLOW	201.78	204.23	199.92	1.48	2.97	+1.47
CYC A SEC AIR T	540.66	548.97	531.99	5.77	11.53	+2.13
CYC B SEC AIR T	571.53	579.47	564.24	5.46	10.92	+1.91
CYC C SEC AIR T	513.61	518.74	510.26	2.94	5.88	+1.15
RH SP VLV POS	15.10	17.21	14.70	.72	1.44	+9.51
SH SP VLV POS	31.39	34.43	27.20	2.64	5.28	+16.83
SH SP VLV POS	33.65	36.12	31.13	1.63	3.27	+9.71
GR DMPR DEMAND	-5.00	-5.00	-5.00	0.00	0.00	+0.00
RECIRC AIR DMPR P	43.10	45.56	39.84	1.56	3.11	+7.23
SH PASS DMPR P	100.00	100.00	100.00	0.00	0.00	+0.00
RH PASS DMPR P	33.02	33.02	33.02	0.00	0.00	+0.00
FURNACE GAS P IN	18.51	18.80	18.21	.17	.35	+1.87
AIR ENT AH T	151.76	155.55	148.35	2.50	4.99	+3.29
AIR ENT AH T	136.09	137.37	134.86	.71	1.42	+1.04
AIR ENT AH T	173.38	174.62	172.50	.71	1.41	+.82
AIR ENT AH T	153.79	156.05	152.09	1.16	2.32	+1.51
GAS LVG AH T	299.20	303.34	296.02	2.53	5.06	+1.69
GAS LVG AH T	286.49	290.36	283.72	2.38	4.76	+1.66
GAS LVG AH T	275.55	278.54	274.67	1.20	2.40	+.87
GAS LVG AH T	289.26	291.68	288.32	1.01	2.02	+.70
BRN SA/GR T	540.40	548.72	532.69	5.52	11.05	+2.04
BRN SEC AIR T	542.47	551.16	533.79	6.01	12.02	+2.22
GAS LVG RH PASS	626.42	634.00	616.04	6.13	12.27	+1.96
GAS LVG RH PASS	634.16	643.75	622.98	7.08	14.16	+2.23
GAS LVG RH PASS	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG RH PASS	657.27	667.66	644.39	8.10	16.19	+2.46
GAS LVG RH PASS	615.16	622.66	605.34	6.00	12.00	+1.95
GAS LVG RH PASS	627.03	635.90	615.89	7.01	14.01	+2.24
GAS LVG RH PASS	636.07	644.50	624.52	6.80	13.61	+2.14
GAS LVG RH PASS	629.07	636.53	618.84	6.10	12.20	+1.94
GAS LVG RH PASS	620.82	626.71	613.87	4.38	8.76	+1.41
GAS LVG RH PASS	648.87	655.90	640.52	5.41	10.82	+1.67
GAS LVG RH PASS	638.03	643.39	630.00	4.67	9.35	+1.47
GAS LVG RH PASS	656.45	663.01	648.34	5.12	10.24	+1.56
GAS LVG SH PASS	-484.70	-474.95	-492.36	5.94	11.88	-2.45
GAS LVG SH PASS	674.04	684.32	662.00	7.70	15.39	+2.28
GAS LVG SH PASS	696.98	709.19	681.68	9.26	18.53	+2.66
GAS LVG SH PASS	728.26	739.77	715.27	8.52	17.03	+2.34
GAS LVG SH PASS	627.36	636.08	616.90	6.71	13.43	+2.14
GAS LVG SH PASS	647.46	656.35	636.10	6.92	13.84	+2.14
GAS LVG SH PASS	660.17	669.12	648.85	6.99	13.98	+2.12
GAS LVG SH PASS	706.99	717.26	694.71	7.59	15.18	+2.15
GAS LVG SH PASS	683.82	690.71	672.25	6.51	13.01	+1.90
GAS LVG SH PASS	676.07	683.93	667.35	5.88	11.76	+1.74
GAS LVG SH PASS	664.37	671.03	654.21	6.14	12.27	+1.85
GAS LVG SH PASS	-647.88	-637.79	-654.34	6.26	12.53	-1.93
OFA TEMP	541.94	549.26	535.81	4.81	9.61	+1.77
PSH OUT LEG T	787.71	793.21	780.98	4.53	9.07	+1.15
PSH OUT LEG T	802.17	807.85	795.10	4.76	9.53	+1.19
PSH OUT LEG T	751.99	758.11	744.87	4.47	8.94	+1.19
PSH OUT LEG T	768.95	775.87	761.19	4.80	9.60	+1.25

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
PSH OUT LEG T	768.10	775.00	760.27	4.86	9.73	+1.27
PSH OUT LEG T	777.89	782.50	771.15	4.02	8.03	+1.03
PSH OUT LEG T	781.35	786.76	773.78	4.78	9.56	+1.22
PSH OUT LEG T	805.47	810.63	798.15	4.44	8.87	+1.10
PSH OUT LEG T	789.64	794.68	782.21	4.48	8.96	+1.14
PSH OUT LEG T	794.64	798.77	788.63	3.56	7.12	+.90
PSH OUT LEG T	808.92	812.91	802.97	3.46	6.92	+.86
PULV INLET T	525.21	531.60	520.59	3.91	7.83	+1.49
PULV OUTLET T	151.76	154.85	147.99	2.28	4.56	+3.00
RH PEND IN LEG	950.52	952.64	946.49	1.90	3.80	+.40
RH PEND IN LEG	945.45	947.37	941.61	1.73	3.45	+.37
RH PEND IN LEG	946.04	948.06	942.13	1.82	3.65	+.39
RH PEND IN LEG	944.26	946.32	940.27	1.82	3.64	+.39
RH PEND IN LEG	0.00	0.00	0.00	0.00	0.00	+0.00
RH PEND IN LEG	968.35	970.18	964.08	1.84	3.67	+.38
RH PEND IN LEG	939.68	941.64	935.53	1.76	3.52	+.37
RH PEND IN LEG	939.17	943.33	932.90	3.09	6.17	+.66
RH PEND IN LEG	950.88	953.06	946.63	1.93	3.86	+.41
RH PEND IN LEG	904.49	910.80	896.52	4.57	9.14	+1.01
SSH PEND IN LEG	857.69	861.33	854.55	2.62	5.24	+.61
SSH PEND IN LEG	878.25	881.68	874.53	2.61	5.22	+.59
SSH PEND IN LEG	886.45	889.01	882.97	2.46	4.91	+.55
SSH PEND IN LEG	902.99	905.75	898.58	2.57	5.15	+.57
SSH PEND IN LEG	879.68	883.19	874.36	2.95	5.90	+.67
SSH PEND IN LEG	904.32	907.50	900.02	2.18	4.35	+.48
SSH PEND IN LEG	895.91	899.12	892.66	2.00	4.00	+.45
SSH PEND IN LEG	889.42	892.61	885.57	2.24	4.47	+.50
SSH PEND IN LEG	886.22	888.21	883.49	1.37	2.73	+.31
SSH PEND IN LEG	856.74	858.53	854.91	1.23	2.45	+.29
RH INTM HND HOLE	949.52	951.29	946.88	1.63	3.27	+.34
RH INTM HND HOLE	857.64	860.89	854.06	2.46	4.92	+.57
BRN GAS REC DMPR P	34.84	35.73	33.91	.58	1.16	+3.34
OVRFIRE AIR DMPR P	47.97	48.67	47.22	.49	.97	+2.03
BRN SEC AIR DMPR P	22.59	23.29	22.10	.35	.69	+3.07
FLAME INTENSITY #1	105.46	105.64	105.17	.18	.36	+.34
FLAME INTENSITY #2	104.74	104.95	104.55	.13	.26	+.25
FLAME INTENSITY #3	105.69	105.87	105.51	.12	.25	+.23
FLAME INTENSITY #4	104.97	105.07	104.85	.08	.16	+.15
PULV DIFF P IN WG	13.78	13.97	13.53	.15	.29	+2.12
PULV AMPS	278.03	279.64	275.35	1.19	2.38	+.86
ROT CLASS AMPS	44.85	45.18	44.61	.19	.38	+.85
PULV PA FAN AMPS	85.26	87.71	83.43	1.11	2.22	+2.60
PULV PA FLOW	61.04	61.21	60.89	.09	.19	+.31
SEC AIR FLOW	30.00	30.11	29.88	.07	.14	+.45
OFA AIR FLOW	235.19	236.96	234.03	.90	1.80	+.76
GR TO SEC AIR	11.92	12.13	11.72	.14	.28	+2.31
BRN SEC AIR P IN	21.39	21.91	20.89	.33	.66	+3.09
O2 IN SEC AIR	15.85	15.92	15.75	.05	.09	+.60
BRN GAS REC P IN	21.34	21.80	20.86	.31	.63	+2.94
ROT CLASS RPM	155.77	155.82	155.69	.04	.08	+.05
PULV COAL FLOW KL	29.04	29.17	28.94	.07	.14	+.50
ACCUREX CO PPM	19.58	26.16	15.01	3.38	6.77	+34.56
ACCUREX NOX PPM	298.68	302.29	294.99	2.16	4.32	+1.45
ACCUREX O2 %	2.79	2.83	2.74	.03	.06	+2.11
ACCUREX SOX PPM	1206.70	1219.79	1189.79	9.31	18.62	+1.54
COAL SILO LEVEL	66.26	79.70	48.37	9.63	19.26	+29.06
ROT CLASS DP IN WG	.49	.50	.48	.00	.01	+1.65
HOT PRI AIR DMPR P	99.73	100.00	99.34	.23	.45	+.45
AIR LVG FD FAN T	108.11	110.33	106.81	1.20	2.40	+2.22
AIR LVG FD FAN T	109.67	111.58	108.08	1.11	2.23	+2.03

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
FW HTR E ENT P	433.41	435.32	431.92	1.05	2.10	+.49
BAROMETRIC P IN	29.53	29.53	29.52	.00	.01	+.02
REL HUMIDITY %	16.14	17.06	15.04	.71	1.42	+8.83
GAS LVG ECON (T)	664.08	672.60	652.51	6.76	13.52	+2.04
GAS LVG ECON (T)	676.95	685.88	666.85	6.72	13.43	+1.98
GAS LVG RH (T)	279.66	281.62	278.57	.98	1.95	+.70
AIR ENT RH (T)	154.58	155.75	153.06	.93	1.85	+1.20
1ST STG STM FLW	772.88	773.56	772.51	.34	.69	+.09
BLOW DOWN FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
GR FAN BUS VOLT	4160.00	4160.00	4160.00	0.00	0.00	+0.00
TOTAL GR FLOW	80.92	81.53	80.21	.45	.91	+1.12
GR TO SEC AIR	11.67	12.00	11.50	.15	.30	+2.60
GR TO FURN	69.25	69.88	68.60	.40	.79	+1.14
TMP AIR FLOW	46.76	51.37	42.51	2.86	5.72	+12.24
% PWDR RVR BASN CO	0.00	0.00	0.00	0.00	0.00	+0.00
CYCLONE STOIC	1.08	1.09	1.08	.00	.01	+.71
REBRN WB STOIC	.39	.39	.39	.00	.00	+.39
REBRN STOIC	.85	.86	.85	.00	.01	+.66
LVG FURN STOIC	1.15	1.16	1.15	.00	.00	+.41
LVG ECON STOIC	1.16	1.17	1.16	.00	.00	+.41
AMBIENT AIR DB TEM	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG RH PS T	635.39	642.99	625.52	6.07	12.13	+1.91
GAS LVG SH PS T	676.55	685.11	664.93	7.10	14.21	+2.10
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	+0.00
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	+0.00
DRY BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	+0.00
WET BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	+0.00
AIR ENT RH P	0.00	0.00	0.00	0.00	0.00	+0.00
AIR LVG RH P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG SSH PLAT P	0.00	0.00	0.00	0.00	0.00	+0.00
ENT PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	+0.00
GAS ENT RH P	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG RH P	0.00	0.00	0.00	0.00	0.00	+0.00
SEC SH OUT P	0.00	0.00	0.00	0.00	0.00	+0.00

TEST F3 : 110 MW WITH REBURN

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
O2 LVG ECON (T)	2.84	2.95	2.76	.06	.12	+4.30
O2 LVG ECON (T)	3.21	3.28	3.17	.03	.06	+1.97
CO2 LVG ECON (T)	15.65	15.72	15.57	.05	.09	+.60
CO2 LVG ECON (T)	15.70	15.81	15.62	.06	.12	+.76
CO LVG ECON (T)	109.77	114.12	105.54	3.14	6.28	+5.72
CO LVG ECON (T)	169.64	187.51	151.43	13.11	26.21	+15.45
NOX LVG ECON (T)	298.62	304.67	292.09	4.31	8.63	+2.89
NOX LVG ECON (T)	304.24	311.70	293.51	6.73	13.45	+4.42
DRUM PRESS (T)	1574.82	1576.70	1573.64	1.00	1.99	+.13
ENT RH-1 P (T)	450.08	451.50	448.89	.79	1.58	+.35
LVG RH-1 P (T)	431.92	433.33	430.77	.77	1.55	+.36
SEC SH OUT P (T)	1484.10	1485.34	1482.87	.69	1.39	+.09
FW HTR E EXT P	438.00	439.45	436.85	.82	1.64	+.37
ECON H2O OUT T	511.10	511.58	510.25	.56	1.12	+.22
ECON H2O OUT T	518.97	519.37	518.54	.33	.66	+.13
AMBIENT AIR TEMP	102.78	103.72	101.79	.73	1.46	+1.42
PRI SH OUT T	751.53	754.64	747.38	2.60	5.20	+.69
PRI SH OUT T	777.42	781.13	771.72	3.11	6.23	+.80
AIR LVG AH T	0.00	0.00	0.00	0.00	0.00	+0.00
AIR LVG AH T	583.35	585.83	580.73	1.87	3.75	+.64
AIR LVG FD FAN T	114.34	115.14	113.25	.70	1.40	+1.22
AIR LVG FD FAN T	111.33	112.81	110.33	.91	1.82	+1.64
RH SPRAY H2O T	316.94	325.24	315.81	2.92	5.84	+1.84
FW HTR E ENT T	383.10	383.47	382.70	.28	.57	+.15
FW HTR E EXT T	744.11	744.66	743.58	.32	.64	+.09
ENT RH T	709.85	714.49	703.22	5.55	11.09	+1.56
FW HTR E DRN T	405.08	405.50	404.39	.35	.69	+.17
FW HTR E LVG T	456.16	456.75	455.77	.34	.69	+.15
O2 LVG AH (T)	4.23	4.30	4.19	.03	.06	+1.41
O2 LVG GR FAN (T)	0.00	0.00	0.00	0.00	0.00	+0.00
CO2 LVG AH (T)	3.78	3.78	3.78	0.00	0.00	+0.00
GAS TEMP LVG GR FA	0.00	0.00	0.00	0.00	0.00	+0.00
AIR ENT FD FAN	82.17	82.99	81.31	.71	1.43	+1.74
LOAD MW	110.09	110.35	109.86	.15	.31	+.28
MAIN STEAM FLOW	776.44	777.45	775.54	.55	1.09	+.14
FW FLOW	786.29	788.27	784.05	1.40	2.80	+.36
RH SPRAY FLOW	1.43	2.02	0.00	1.19	2.38	+166.60
SH SPRAY FLOW	4.19	5.84	2.08	1.40	2.80	+66.87
SH SPRAY FLOW	1.20	1.41	0.00	1.14	2.27	+189.26
GR FAN AMPS	26.63	26.82	26.52	.09	.19	+.71
GR FAN AMPS	.06	.06	.06	0.00	0.00	+0.00
1st STG PRESS	1075.24	1077.93	1073.84	1.13	2.26	+.21
OIL FLOW 2A	.00	.00	.00	0.00	0.00	+0.00
OIL FLOW 2B	.00	.00	.00	.00	.00	+32.27
OIL FLOW 2C	.00	.00	.00	0.00	0.00	+0.00
SSH OUT T	998.45	999.62	997.96	.46	.91	+.09
SSH OUT T	998.56	999.48	997.53	.57	1.14	+.11
SSH OUT AVE T	1001.52	1002.50	1000.57	.70	1.40	+.14
LVG SH ATTMP T	738.65	742.57	735.99	2.23	4.46	+.60
LVG SH ATTMP T	763.21	765.71	761.11	1.25	2.50	+.33
ECON H2O IN T	458.44	459.34	457.83	.41	.83	+.18
LVG RH T	1001.75	1005.24	999.07	2.41	4.82	+.48
COLD RH T	746.63	747.30	746.12	.37	.74	+.10
TURB THROT P	1450.15	1451.25	1449.45	.62	1.24	+.09
DRUM PRESS	1608.92	1610.81	1607.71	1.05	2.10	+.13
LVG RH PRESS	428.55	429.63	427.46	.72	1.44	+.34
ENT RH PRESS	453.65	454.86	452.61	.72	1.44	+.32
O2 LVG ECON	3.35	3.45	3.30	.05	.10	+2.91
O2 LVG ECON	2.56	2.68	2.46	.07	.14	+5.27

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
CYC A COAL FLOW KL	21.69	21.81	21.57	.08	.16	+.75
CYC B COAL FLOW KL	21.69	21.83	21.58	.09	.18	+.81
CYC C COAL FLOW KL	21.71	21.83	21.59	.08	.17	+.77
CYC A SEC AIR FLOW	201.13	202.55	199.44	1.00	2.00	+.99
CYC B SEC AIR FLOW	198.13	200.87	195.58	1.62	3.24	+1.63
CYC C SEC AIR FLOW	201.93	204.28	200.90	1.08	2.17	+1.07
CYC A SEC AIR T	549.42	553.80	544.49	3.16	6.32	+1.15
CYC B SEC AIR T	592.23	595.68	587.98	2.81	5.63	+.95
CYC C SEC AIR T	538.55	540.49	536.22	1.79	3.57	+.66
RH SP VLV POS	20.62	23.20	18.90	2.22	4.44	+21.54
SH SP VLV POS	28.63	29.78	26.63	1.01	2.03	+7.08
SH SP VLV POS	32.35	33.86	30.33	1.20	2.40	+7.42
~~GR DMPR DEMAND~~	~~11.21~~	~~11.21~~	~~11.21~~	~~0.00~~	~~0.00~~	~~+0.00~~
RECIRC AIR DMPR P	89.26	99.98	60.05	14.76	29.52	+33.08
SH PASS DMPR P	83.10	92.97	73.60	7.08	14.15	+17.03
RH PASS DMPR P	100.00	100.00	100.00	0.00	0.00	+0.00
FURNACE GAS P IN	18.43	18.55	18.32	.07	.14	+.76
AIR ENT AH T	140.30	141.58	139.27	.89	1.78	+1.27
AIR ENT AH T	134.04	135.03	133.20	.75	1.49	+1.12
AIR ENT AH T	175.06	175.94	173.49	.82	1.64	+.94
AIR ENT AH T	147.87	149.12	145.38	1.13	2.26	+1.53
GAS LVG AH T	304.51	306.15	302.87	1.19	2.39	+.78
GAS LVG AH T	290.66	292.20	289.12	1.14	2.27	+.78
GAS LVG AH T	282.73	283.88	281.12	.87	1.73	+.61
GAS LVG AH T	295.27	296.62	293.18	1.34	2.67	+.90
BRN SA/GR T	565.32	570.65	555.66	5.02	10.04	+1.78
BRN SEC AIR T	556.10	560.45	550.32	3.46	6.93	+1.25
GAS LVG RH PASS	669.74	673.78	665.32	2.88	5.76	+.86
GAS LVG RH PASS	686.43	690.38	682.62	2.81	5.63	+.82
GAS LVG RH PASS	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG RH PASS	719.45	721.56	715.00	2.09	4.19	+.58
GAS LVG RH PASS	647.72	650.63	645.58	1.68	3.36	+.52
GAS LVG RH PASS	669.53	672.67	665.70	2.64	5.28	+.79
GAS LVG RH PASS	675.64	677.53	672.30	1.78	3.57	+.53
GAS LVG RH PASS	666.70	669.15	662.95	2.13	4.25	+.64
GAS LVG RH PASS	653.97	657.31	651.47	1.94	3.89	+.59
GAS LVG RH PASS	677.96	679.62	675.51	1.66	3.32	+.49
GAS LVG RH PASS	667.52	669.56	664.33	2.22	4.43	+.66
GAS LVG RH PASS	684.91	686.23	681.83	1.44	2.87	+.42
GAS LVG SH PASS	-467.33	-459.08	-472.12	4.36	8.73	-1.87
GAS LVG SH PASS	689.10	694.87	682.31	4.79	9.59	+1.39
GAS LVG SH PASS	704.14	712.61	694.32	6.54	13.09	+1.86
GAS LVG SH PASS	754.81	762.21	746.13	5.73	11.46	+1.52
GAS LVG SH PASS	631.69	637.33	627.38	3.48	6.96	+1.10
GAS LVG SH PASS	652.02	656.50	647.78	3.30	6.60	+1.01
GAS LVG SH PASS	663.71	669.97	656.74	4.96	9.92	+1.49
GAS LVG SH PASS	708.73	713.10	703.47	3.30	6.60	+.93
GAS LVG SH PASS	676.96	680.59	674.80	2.12	4.24	+.63
GAS LVG SH PASS	681.21	685.01	677.69	2.11	4.23	+.62
GAS LVG SH PASS	663.34	668.30	657.41	3.50	7.00	+1.05
GAS LVG SH PASS	-631.72	-628.28	-636.97	2.66	5.31	-.84
OFA TEMP	559.14	563.11	553.82	3.19	6.39	+1.14
PSH OUT LEG T	771.59	775.01	767.11	2.89	5.78	+.75
PSH OUT LEG T	784.46	788.72	778.71	3.47	6.94	+.89
PSH OUT LEG T	735.19	738.24	730.42	2.72	5.44	+.74
PSH OUT LEG T	752.33	755.22	748.17	2.50	5.00	+.66

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
PSH OUT LEG T	758.24	760.73	754.63	2.26	4.52	+.60
PSH OUT LEG T	764.91	767.86	760.86	2.64	5.28	+.69
PSH OUT LEG T	762.00	765.61	756.77	3.07	6.13	+.81
PSH OUT LEG T	792.71	797.13	786.93	3.48	6.97	+.88
PSH OUT LEG T	771.92	776.09	766.14	3.27	6.55	+.85
PSH OUT LEG T	780.14	783.38	775.29	2.64	5.29	+.68
PSH OUT LEG T	791.78	794.69	787.19	2.50	5.01	+.63
PULV INLET T	535.18	541.03	523.18	5.81	11.63	+2.17
PULV OUTLET T	154.29	160.06	141.68	5.99	11.99	+7.77
RH PEND IN LEG	945.19	948.39	942.98	2.25	4.49	+.48
RH PEND IN LEG	938.28	941.11	934.89	2.33	4.66	+.50
~~RH PEND IN LEG~~	~~940.20~~	~~943.32~~	~~937.50~~	~~2.31~~	~~4.62~~	~~+.49~~
RH PEND IN LEG	937.91	940.97	934.70	2.34	4.67	+.50
RH PEND IN LEG	0.00	0.00	0.00	0.00	0.00	+0.00
RH PEND IN LEG	962.91	966.74	959.85	2.20	4.40	+.46
RH PEND IN LEG	936.67	940.46	933.70	2.09	4.18	+.45
RH PEND IN LEG	939.40	944.60	936.11	2.83	5.67	+.60
RH PEND IN LEG	945.26	948.87	942.78	2.20	4.40	+.46
RH PEND IN LEG	905.50	912.52	901.43	3.81	7.61	+.84
SSH PEND IN LEG	849.20	851.04	848.25	.85	1.70	+.20
SSH PEND IN LEG	871.28	872.92	870.21	.83	1.65	+.19
SSH PEND IN LEG	879.12	880.35	878.30	.75	1.50	+.17
SSH PEND IN LEG	894.03	895.22	892.70	.81	1.61	+.18
SSH PEND IN LEG	869.08	871.07	867.51	1.41	2.82	+.32
SSH PEND IN LEG	892.54	895.53	890.08	2.11	4.22	+.47
SSH PEND IN LEG	883.55	887.48	880.53	2.88	5.75	+.65
SSH PEND IN LEG	878.06	881.27	875.65	2.34	4.68	+.53
SSH PEND IN LEG	877.04	879.67	874.92	1.69	3.37	+.38
SSH PEND IN LEG	848.63	851.42	846.82	1.39	2.78	+.33
RH INTM HND HOLE	944.59	947.04	942.67	1.62	3.24	+.34
RH INTM HND HOLE	853.15	859.22	848.37	3.35	6.70	+.79
BRN GAS REC DMPR P	36.00	36.35	35.67	.22	.45	+1.25
OVRFIRE AIR DMPR P	52.32	52.53	52.02	.18	.37	+.70
BRN SEC AIR DMPR P	23.25	23.52	22.91	.21	.43	+1.83
FLAME INTENSITY #1	105.75	105.95	105.30	.19	.38	+.36
FLAME INTENSITY #2	105.04	105.21	104.81	.12	.23	+.22
FLAME INTENSITY #3	105.86	106.21	105.56	.26	.52	+.49
FLAME INTENSITY #4	105.13	105.24	105.03	.09	.17	+.17
PULV DIFF P IN WG	12.97	13.47	12.13	.44	.88	+6.80
PULV AMPS	266.57	269.28	264.24	1.74	3.49	+1.31
ROT CLASS AMPS	44.68	45.08	44.23	.30	.60	+1.34
PULV PA FAN AMPS	84.06	86.31	80.42	2.20	4.41	+5.25
PULV PA FLOW	61.00	61.14	60.88	.08	.17	+.28
SEC AIR FLOW	30.00	30.13	29.88	.08	.16	+.52
OFA AIR FLOW	246.16	247.87	244.76	.92	1.85	+.75
GR TO SEC AIR	12.08	12.26	11.89	.15	.29	+2.42
BRN SEC AIR P IN	21.67	21.85	21.48	.12	.24	+1.10
O2 IN SEC AIR	15.82	15.86	15.75	.03	.07	+.42
BRN GAS REC P IN	21.49	21.60	21.28	.10	.20	+.94
ROT CLASS RPM	156.60	156.76	156.54	.06	.12	+.08
PULV COAL FLOW KL	29.02	29.13	28.91	.07	.14	+.47
ACCUREX CO PPM	20.22	22.91	18.76	1.33	2.67	+13.20
ACCUREX NOX PPM	306.28	315.20	297.03	6.30	12.59	+4.11
ACCUREX O2 %	2.89	2.98	2.86	.03	.07	+2.35
ACCUREX SOX PPM	1175.69	1190.36	1161.10	11.91	23.82	+2.03
COAL SILO LEVEL	79.35	92.81	68.65	8.34	16.67	+21.01
ROT CLASS DP IN WG	.48	.50	.47	.01	.02	+3.48
HOT PRI AIR DMPR P	99.38	99.77	99.09	.24	.47	+.47
AIR LVG FD FAN T	112.36	113.35	111.13	.76	1.53	+1.36
AIR LVG FD FAN T	109.31	110.71	108.22	.92	1.83	+1.68

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
FW HTR E ENT P	436.63	438.06	435.47	.85	1.69	+.39
BAROMETRIC P IN	29.57	29.57	29.57	.00	.00	+.01
REL HUMIDITY %	18.81	20.53	16.48	1.45	2.89	+15.38
GAS LVG ECON (T)	695.50	698.03	691.66	2.20	4.41	+.63
GAS LVG ECON (T)	698.79	714.19	680.82	12.79	25.58	+3.66
GAS LVG AH (T)	284.85	285.96	283.18	.96	1.92	+.67
AIR ENT AH (T)	149.88	150.92	148.33	.86	1.73	+1.15
1ST STG STM FLW	772.67	774.55	771.69	.79	1.58	+.20
BLOW DOWN FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
GR FAN BUS VOLT	4160.00	4160.00	4160.00	0.00	0.00	+0.00
TOTAL GR FLOW	91.65	93.09	90.48	.81	1.62	+1.77
GR TO SEC AIR	11.70	11.94	11.59	.10	.21	+1.76
GR TO FURN	79.96	81.49	78.85	.78	1.57	+1.96
TMP AIR FLOW	63.22	70.96	56.51	4.72	9.44	+14.94
% PWDR RVR BASN CO	0.00	0.00	0.00	0.00	0.00	+0.00
CYCLONE STOIC	1.07	1.07	1.06	.01	.01	+1.30
REBRN WB STOIC	.39	.39	.39	.00	.00	+.41
REBRN STOIC	.84	.85	.84	.00	.00	+.25
LVG FURN STOIC	1.15	1.16	1.15	.00	.00	+.38
LVG ECON STOIC	1.16	1.17	1.16	.00	.00	+.38
AMBIENT AIR DB TEM	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG PH PS T	674.51	676.71	671.30	1.98	3.97	+.59
GAS LVG SH PS T	682.57	687.22	677.56	3.52	7.04	+1.03
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	+0.00
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	+0.00
DRY BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	+0.00
WET BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	+0.00
AIR ENT AH P	0.00	0.00	0.00	0.00	0.00	+0.00
AIR LVG AH P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG SSH PLAT P	0.00	0.00	0.00	0.00	0.00	+0.00
ENT PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	+0.00
GAS ENT AH P	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG AH P	0.00	0.00	0.00	0.00	0.00	+0.00
SEC SH OUT P	0.00	0.00	0.00	0.00	0.00	+0.00

TEST F4 : 82 MW CYCLONES AT SAME LOAD AS 110 MW W/RBN

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
O2 LVG ECON (T)	3.73	3.85	3.56	.11	.23	+6.10
O2 LVG ECON (T)	3.40	3.47	3.26	.08	.15	+4.54
CO2 LVG ECON (T)	15.49	15.62	15.34	.08	.17	+1.07
CO2 LVG ECON (T)	15.30	15.45	15.20	.09	.19	+1.23
CO LVG ECON (T)	75.20	81.73	68.65	3.95	7.89	+10.49
CO LVG ECON (T)	68.80	99.18	58.97	11.53	23.07	+33.53
NOX LVG ECON (T)	496.36	506.67	485.35	8.91	17.81	+3.59
NOX LVG ECON (T)	489.96	494.61	484.15	4.19	8.37	+1.71
DRUM PRESS (T)	1485.15	1486.31	1484.08	.62	1.24	+.08
ENT RH-1 P (T)	296.43	297.66	295.25	.92	1.84	+.62
LVG RH-1 P (T)	284.16	285.49	283.03	.89	1.78	+.63
SEC SH OUT P (T)	1456.95	1458.50	1456.09	.79	1.58	+.11
FW HTR E EXT P	288.31	289.71	287.17	.95	1.90	+.66
ECON H2O OUT T	502.56	506.69	500.35	2.74	5.48	+1.09
ECON H2O OUT T	469.21	470.56	467.13	1.48	2.97	+.63
AMBIENT AIR TEMP	108.79	109.79	107.41	.77	1.55	+1.42
PRI SH OUT T	748.81	754.42	741.69	4.98	9.97	+1.33
PRI SH OUT T	770.13	775.00	762.59	4.34	8.69	+1.13
AIR LVG AH T	557.06	558.57	554.92	1.42	2.83	+.51
AIR LVG AH T	571.57	573.36	568.00	1.67	3.34	+.58
AIR LVG FD FAN T	131.26	132.46	129.99	1.00	2.00	+1.52
AIR LVG FD FAN T	128.49	129.47	127.15	.89	1.77	+1.38
RH SPRAY H2O T	289.29	290.45	288.47	.71	1.42	+.49
FW HTR E ENT T	354.67	355.70	353.83	.64	1.28	+.36
FW HTR E EXT T	668.02	670.00	666.12	1.34	2.69	+.40
ENT RH T	660.60	662.62	658.84	1.31	2.63	+.40
FW HTR E DRN T	369.09	370.26	368.12	.77	1.54	+.42
FW HTR E LVG T	419.13	420.54	418.17	.72	1.44	+.34
O2 LVG AH (T)	5.05	5.13	4.93	.08	.15	+3.03
O2 LVG GR FAN (T)	26.33	42.28	4.77	18.55	37.10	+140.87
CO2 LVG AH (T)	3.78	3.78	3.78	0.00	0.00	+0.00
GAS TEMP LVG GR FA	0.00	0.00	0.00	0.00	0.00	+0.00
AIR ENT FD FAN	93.79	94.76	92.68	.92	1.83	+1.95
LOAD MW	77.25	77.53	76.91	.25	.50	+.65
MAIN STEAM FLOW	513.04	516.37	510.64	1.96	3.93	+.77
FW FLOW	515.90	518.10	513.18	2.00	4.00	+.78
RH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
SH SPRAY FLOW	5.40	6.68	3.37	1.22	2.44	+45.18
SH SPRAY FLOW	7.75	9.54	4.83	1.78	3.56	+45.90
GR FAN AMPS	37.44	39.36	36.23	1.30	2.60	+6.93
GR FAN AMPS	.06	.06	.06	0.00	0.00	+0.00
1st STG PRESS	687.99	691.09	684.02	2.40	4.81	+.70
OIL FLOW 2A	.00	.00	.00	0.00	0.00	+0.00
OIL FLOW 2B	.00	.00	.00	0.00	0.00	+0.00
OIL FLOW 2C	.00	.00	.00	0.00	0.00	+0.00
SSH OUT T	998.31	1000.31	995.52	1.29	2.59	+.26
SSH OUT T	999.10	1001.71	996.12	1.87	3.75	+.38
SSH OUT AVE T	998.47	1000.58	995.81	1.36	2.72	+.27
LVG SH ATTMP T	718.95	721.63	717.44	1.42	2.84	+.40
LVG SH ATTMP T	717.75	722.30	714.05	3.46	6.93	+.96
ECON H2O IN T	421.26	421.80	420.79	.35	.71	+.17
LVG RH T	999.33	1001.45	994.46	2.03	4.07	+.41
COLD RH T	670.23	671.77	668.70	.91	1.82	+.27
TURB THROT P	1450.28	1451.02	1449.52	.39	.79	+.05
DRUM PRESS	1518.03	1518.98	1517.51	.52	1.03	+.07
LVG RH PRESS	281.89	283.31	280.47	.91	1.83	+.65
ENT RH PRESS	297.91	299.27	296.53	.99	1.97	+.66
O2 LVG ECON	3.43	3.52	3.33	.07	.14	+3.99
O2 LVG ECON	3.64	3.77	3.43	.12	.25	+6.81

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
CYC A COAL FLOW KL	21.69	21.79	21.55	.08	.17	+.78
CYC B COAL FLOW KL	21.68	21.79	21.55	.08	.15	+.70
CYC C COAL FLOW KL	21.70	21.80	21.57	.08	.15	+.70
CYC A SEC AIR FLOW	205.56	208.02	203.42	1.66	3.32	+1.62
CYC B SEC AIR FLOW	203.72	206.66	200.48	2.32	4.64	+2.28
CYC C SEC AIR FLOW	205.41	207.78	201.93	1.98	3.97	+1.93
CYC A SEC AIR T	509.01	513.71	505.13	3.29	6.58	+1.29
CYC B SEC AIR T	561.62	563.72	558.27	1.51	3.02	+.54
CYC C SEC AIR T	529.70	531.83	527.63	1.26	2.53	+.48
RH SP VLV POS	-5.00	-5.00	-5.00	0.00	0.00	+0.00
SH SP VLV POS	45.93	50.00	39.64	4.13	8.27	+18.00
SH SP VLV POS	38.91	41.22	35.24	2.27	4.53	+11.65
GR DMPR DEMAND	64.42	75.03	59.39	7.01	14.02	+21.77
RECIRC AIR DMPR P	17.41	17.75	16.94	.28	.56	+3.21
SH PASS DMPR P	12.10	17.20	3.62	4.44	8.87	+73.32
RH PASS DMPR P	100.00	100.00	100.00	0.00	0.00	+0.00
FURNACE GAS P IN	11.99	12.29	11.67	.20	.39	+3.28
AIR ENT AH T	161.35	162.14	158.99	1.04	2.09	+1.29
AIR ENT AH T	149.44	150.42	147.90	.86	1.71	+1.15
AIR ENT AH T	190.55	191.98	189.00	.99	1.97	+1.03
AIR ENT AH T	174.32	176.17	172.00	1.21	2.43	+1.39
GAS LVG AH T	289.23	291.35	288.39	.92	1.84	+.64
GAS LVG AH T	276.78	278.56	276.02	.79	1.58	+.57
GAS LVG AH T	280.01	280.29	279.69	.25	.50	+.18
GAS LVG AH T	290.97	291.20	290.72	.18	.36	+.12
BRN SA/GR T	507.13	509.57	505.23	1.37	2.74	+.54
BRN SEC AIR T	528.36	529.79	526.09	1.25	2.50	+.47
GAS LVG RH PASS	645.94	648.71	638.08	3.39	6.79	+1.05
GAS LVG RH PASS	656.46	659.75	651.44	2.76	5.52	+.84
GAS LVG RH PASS	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG RH PASS	667.28	674.22	659.65	5.00	9.99	+1.50
GAS LVG RH PASS	637.05	640.15	629.27	3.37	6.74	+1.06
GAS LVG RH PASS	647.20	650.95	639.28	3.49	6.98	+1.08
GAS LVG RH PASS	651.80	656.94	642.55	4.04	8.09	+1.24
GAS LVG RH PASS	642.38	646.97	635.15	3.64	7.27	+1.13
GAS LVG RH PASS	641.52	645.32	634.79	3.24	6.49	+1.01
GAS LVG RH PASS	656.97	661.58	652.44	3.25	6.50	+.99
GAS LVG RH PASS	650.56	655.78	642.94	4.12	8.24	+1.27
GAS LVG RH PASS	661.36	667.81	655.22	5.04	10.07	+1.52
GAS LVG SH PASS	-379.39	-364.65	-393.28	9.61	19.22	-5.07
GAS LVG SH PASS	587.27	598.75	574.48	9.06	18.12	+3.09
GAS LVG SH PASS	596.24	609.86	581.46	10.56	21.11	+3.54
GAS LVG SH PASS	624.22	641.15	605.15	13.59	27.18	+4.35
GAS LVG SH PASS	556.22	565.68	545.14	7.76	15.52	+2.79
GAS LVG SH PASS	570.00	580.64	557.43	8.69	17.39	+3.05
GAS LVG SH PASS	570.98	582.54	558.04	8.94	17.87	+3.13
GAS LVG SH PASS	604.55	619.09	589.21	11.40	22.80	+3.77
GAS LVG SH PASS	591.08	603.96	577.75	9.66	19.31	+3.27
GAS LVG SH PASS	598.97	610.95	585.27	9.76	19.51	+3.26
GAS LVG SH PASS	589.55	601.03	577.53	8.71	17.42	+2.95
GAS LVG SH PASS	-491.06	-477.48	-503.68	9.62	19.23	-3.92
OFA TEMP	459.58	461.61	458.06	1.15	2.30	+.50
PSH OUT LEG T	773.51	778.05	765.89	4.69	9.37	+1.21
PSH OUT LEG T	777.49	782.82	768.44	5.59	11.18	+1.44
PSH OUT LEG T	733.04	737.92	725.68	5.27	10.54	+1.44
PSH OUT LEG T	743.38	749.02	734.73	5.95	11.91	+1.60

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
PSH OUT LEG T	761.73	766.78	754.09	5.13	10.26	+1.35
PSH OUT LEG T	775.18	778.77	769.39	3.91	7.82	+1.01
PSH OUT LEG T	752.38	757.86	743.50	5.91	11.82	+1.57
PSH OUT LEG T	788.47	793.24	781.05	4.88	9.76	+1.24
PSH OUT LEG T	756.07	761.02	747.96	5.27	10.54	+1.39
PSH OUT LEG T	781.16	784.37	775.84	3.14	6.28	+.80
PSH OUT LEG T	788.59	792.16	783.23	3.54	7.08	+.90
PULV INLET T	99.27	105.42	97.02	2.75	5.49	+5.53
PULV OUTLET T	116.76	118.12	115.13	.98	1.96	+1.68
RH PEND IN LEG	938.64	940.32	933.81	1.96	3.92	+.42
RH PEND IN LEG	929.17	931.01	924.14	2.09	4.17	+.45
RH PEND IN LEG	933.05	934.73	928.15	2.01	4.01	+.43
RH PEND IN LEG	929.52	931.43	924.40	2.08	4.15	+.45
RH PEND IN LEG	0.00	0.00	0.00	0.00	0.00	+0.00
RH PEND IN LEG	957.30	959.92	951.36	2.41	4.82	+.50
RH PEND IN LEG	926.15	928.62	920.59	2.29	4.58	+.49
RH PEND IN LEG	934.66	938.29	929.05	2.75	5.50	+.59
RH PEND IN LEG	939.00	940.91	933.73	2.08	4.16	+.44
RH PEND IN LEG	912.18	918.46	906.07	4.50	8.99	+.99
SSH PEND IN LEG	848.93	855.02	844.31	3.98	7.96	+.94
SSH PEND IN LEG	868.37	873.76	864.29	3.69	7.39	+.85
SSH PEND IN LEG	865.54	868.69	862.64	2.66	5.32	+.61
SSH PEND IN LEG	872.51	875.72	870.11	2.17	4.35	+.50
SSH PEND IN LEG	840.39	843.67	838.55	1.76	3.52	+.42
SSH PEND IN LEG	869.30	872.33	867.90	1.21	2.42	+.28
SSH PEND IN LEG	870.13	871.72	868.34	1.33	2.67	+.31
SSH PEND IN LEG	863.02	864.36	861.20	.92	1.85	+.21
SSH PEND IN LEG	868.11	871.61	865.92	2.02	4.04	+.46
SSH PEND IN LEG	852.74	858.40	850.13	3.14	6.28	+.74
RH INTM HND HOLE	936.56	938.23	933.66	1.38	2.76	+.30
RH INTM HND HOLE	854.72	859.61	850.85	3.69	7.38	+.86
BRN GAS REC DMPR P	0.00	0.00	0.00	0.00	0.00	+0.00
OVRFIRE AIR DMPR P	5.00	5.00	5.00	0.00	0.00	+0.00
BRN SEC AIR DMPR P	20.72	20.94	20.52	.14	.28	+1.35
FLAME INTENSITY #1	22.46	28.77	15.79	4.37	8.75	+38.94
FLAME INTENSITY #2	3.98	5.00	3.19	.67	1.35	+33.82
FLAME INTENSITY #3	4.55	5.29	4.02	.49	.97	+21.39
FLAME INTENSITY #4	5.34	5.85	4.99	.32	.65	+12.10
PULV DIFF P IN WG	-.05	-.01	-.15	.06	.12	-252.06
PULV AMPS	-.13	-.13	-.13	.00	.00	-.01
ROT CLASS AMPS	12.91	43.54	.03	20.74	41.48	+321.28
PULV PA FAN AMPS	.07	.09	.02	.02	.04	+66.66
PULV PA FLOW	.43	.58	0.00	.39	.78	+180.09
SEC AIR FLOW	31.24	31.65	31.05	.20	.39	+1.25
OFA AIR FLOW	30.94	31.66	30.14	.49	.97	+3.15
GR TO SEC AIR	2.32	2.42	2.17	.07	.15	+6.37
BRN SEC AIR P IN	12.22	12.63	11.98	.21	.42	+3.45
O2 IN SEC AIR	19.80	19.87	19.75	.03	.07	+.34
BRN GAS REC P IN	12.10	12.37	11.84	.17	.34	+2.81
ROT CLASS RPM	43.73	160.55	-.25	71.73	143.45	+328.07
PULV COAL FLOW KL	.07	.07	.06	.00	.01	+9.01
ACCUREX CO PPM	17.59	19.87	16.35	1.07	2.14	+12.19
ACCUREX NOX PPM	490.57	499.52	481.68	7.27	14.55	+2.97
ACCUREX O2 %	3.40	3.54	3.25	.11	.22	+6.37
ACCUREX SOX PPM	1180.53	1200.07	1159.18	14.21	28.43	+2.41
COAL SILO LEVEL	93.23	93.45	92.98	.15	.30	+.32
ROT CLASS DP IN WG	.12	.44	.00	.19	.39	+317.11
HOT PRI AIR DMPR P	0.00	0.00	0.00	0.00	0.00	+0.00
AIR LVG FD FAN T	129.43	130.43	128.31	.83	1.67	+1.29
AIR LVG FD FAN T	126.78	127.70	125.46	.87	1.74	+1.37

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
FW HTR E EXT P	286.86	288.09	285.75	.93	1.86	+.65
BAROMETRIC P IN	29.54	29.56	29.52	.01	.03	+.10
REL HUMIDITY %	10.95	11.22	10.74	.17	.34	+3.10
GAS LVG ECON (T)	666.52	670.94	658.84	3.72	7.43	+1.12
GAS LVG ECON (T)	611.32	621.40	601.06	7.44	14.87	+2.43
GAS LVG AH (T)	276.41	276.71	276.04	.21	.42	+.15
AIR ENT AH (T)	171.88	174.17	170.61	1.00	2.00	+1.16
1ST STG STM FLW	501.59	503.76	498.81	1.68	3.37	+.67
BLOW DOWN FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
GR FAN BUS VOLT	4160.00	4160.00	4160.00	0.00	0.00	+0.00
TOTAL GR FLOW	207.86	232.17	191.66	16.44	32.88	+15.82
GR TO SEC AIR	2.04	2.14	1.86	.10	.20	+9.76
GR TO FURN	205.87	230.24	189.56	16.49	32.97	+16.01
TMP AIR FLOW	41.12	46.34	36.07	3.13	6.26	+15.22
% PWDR RVR BASN CO	0.00	0.00	0.00	0.00	0.00	+0.00
CYCLONE STOIC	1.10	1.11	1.09	.01	.02	+1.74
REBRN WB STOIC	100.00	100.00	100.00	0.00	0.00	+0.00
REBRN STOIC	1.13	1.14	1.12	.01	.01	+1.06
LVG FURN STOIC	1.19	1.19	1.17	.01	.01	+1.12
LVG ECON STOIC	1.20	1.21	1.19	.01	.01	+1.10
AMBIENT AIR DB TEM	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG RH PS T	650.78	654.98	643.79	3.49	6.98	+1.07
GAS LVG SH PS T	588.91	601.36	575.15	9.79	19.57	+3.32
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	+0.00
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	+0.00
DRY BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	+0.00
WET BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	+0.00
AIR ENT AH P	0.00	0.00	0.00	0.00	0.00	+0.00
AIR LVG AH P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG SSH PLAT P	0.00	0.00	0.00	0.00	0.00	+0.00
ENT PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	+0.00
GAS ENT AH P	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG AH P	0.00	0.00	0.00	0.00	0.00	+0.00
SEC SH OUT P	0.00	0.00	0.00	0.00	0.00	+0.00

TEST F5 : 110 MW WITH REBURN

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
O2 LVG ECON (T)	2.89	2.98	2.85	.04	.07	+2.55
O2 LVG ECON (T)	3.05	3.15	3.01	.04	.08	+2.70
CO2 LVG ECON (T)	16.19	16.41	16.03	.11	.22	+1.36
CO2 LVG ECON (T)	15.59	15.63	15.57	.02	.04	+.23
CO LVG ECON (T)	114.81	129.56	103.25	8.53	17.06	+14.86
CO LVG ECON (T)	220.12	292.44	167.95	42.58	85.16	+38.69
NOX LVG ECON (T)	292.40	302.85	281.94	8.04	16.07	+5.50
NOX LVG ECON (T)	303.96	319.49	286.63	12.96	25.92	+8.53
DRUM PRESS (T)	1573.99	1574.50	1572.79	.49	.97	+.06
ENT RH-1 P (T)	446.72	447.44	446.03	.43	.87	+.19
LVG RH-1 P (T)	428.96	429.57	428.20	.40	.81	+.19
SEC SH OUT P (T)	1483.67	1484.47	1482.98	.36	.72	+.05
FW HTR E EXT P	434.66	435.71	433.76	.51	1.02	+.24
ECON H2O OUT T	501.15	504.59	497.93	2.28	4.56	+.91
ECON H2O OUT T	510.99	518.52	503.78	5.24	10.47	+2.05
AMBIENT AIR TEMP	111.55	113.34	109.54	1.27	2.54	+2.28
PRI SH OUT T	756.00	771.80	741.18	10.86	21.71	+2.87
PRI SH OUT T	782.76	796.52	768.26	9.65	19.29	+2.46
AIR LVG AH T	618.76	632.82	606.12	9.45	18.90	+3.05
AIR LVG AH T	581.54	584.85	577.40	2.58	5.16	+.89
AIR LVG FD FAN T	129.10	130.43	127.38	1.14	2.27	+1.76
AIR LVG FD FAN T	124.32	125.73	122.42	1.14	2.29	+1.84
RH SPRAY H2O T	314.46	314.87	314.24	.21	.43	+.14
FW HTR E ENT T	380.95	381.58	380.40	.43	.85	+.22
FW HTR E EXT T	740.79	742.07	735.85	1.93	3.86	+.52
ENT RH T	733.32	734.38	728.71	1.73	3.45	+.47
FW HTR E DRN T	401.62	402.66	400.65	.70	1.40	+.35
FW HTR E LVG T	454.01	454.62	453.40	.40	.79	+.17
O2 LVG AH (T)	4.17	4.20	4.12	.02	.05	+1.16
O2 LVG GR FAN (T)	3.22	4.11	2.05	.91	1.81	+56.29
CO2 LVG AH (T)	3.78	3.78	3.78	0.00	0.00	+0.00
GAS TEMP LVG GR FA	0.00	0.00	0.00	0.00	0.00	+0.00
AIR ENT FD FAN	96.69	97.79	95.38	.89	1.78	+1.84
LOAD MW	109.91	110.11	109.70	.13	.26	+.24
MAIN STEAM FLOW	778.21	779.80	776.15	1.17	2.34	+.30
FW FLOW	779.48	780.47	778.45	.67	1.34	+.17
RH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
SH SPRAY FLOW	4.74	8.15	0.00	3.28	6.57	+138.65
SH SPRAY FLOW	4.77	6.77	0.00	3.94	7.88	+165.28
GR FAN AMPS	25.31	25.65	25.14	.13	.26	+1.04
GR FAN AMPS	.06	.06	.06	0.00	0.00	+0.00
1st STG PRESS	1077.66	1080.37	1075.50	1.21	2.43	+.23
OIL FLOW 2A	.00	.00	.00	.00	.00	+10.86
OIL FLOW 2B	.00	.00	.00	0.00	0.00	+0.00
OIL FLOW 2C	.00	.00	.00	0.00	0.00	+0.00
SSH OUT T	998.60	1000.23	996.47	1.10	2.20	+.22
SSH OUT T	998.69	1000.30	991.62	2.41	4.82	+.48
SSH OUT AVE T	1000.28	1001.40	995.46	1.72	3.44	+.34
LVG SH ATTMP T	748.53	750.39	746.68	1.11	2.23	+.30
LVG SH ATTMP T	771.93	775.93	769.07	2.56	5.12	+.66
ECON H2O IN T	457.51	458.09	456.56	.41	.83	+.18
LVG RH T	1004.68	1008.95	1001.91	2.40	4.80	+.48
COLD RH T	744.37	745.87	739.55	1.86	3.73	+.50
TURB THROT P	1450.12	1450.86	1449.46	.40	.80	+.05
DRUM PRESS	1607.68	1608.71	1606.41	.86	1.71	+.11
LVG RH PRESS	425.10	425.83	424.27	.46	.91	+.21
ENT RH PRESS	453.07	453.78	452.33	.47	.93	+.21
O2 LVG ECON	3.31	3.39	3.26	.04	.09	+2.58
O2 LVG ECON	2.60	2.74	2.52	.08	.15	+5.86

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
CYC A COAL FLOW KL	21.55	21.68	21.40	.08	.16	+.75
CYC B COAL FLOW KL	21.54	21.68	21.38	.09	.17	+.79
CYC C COAL FLOW KL	21.56	21.71	21.42	.09	.17	+.79
CYC A SEC AIR FLOW	199.80	201.42	197.98	.89	1.78	+.89
CYC B SEC AIR FLOW	195.61	197.65	193.94	1.17	2.33	+1.19
CYC C SEC AIR FLOW	200.07	202.69	198.64	1.30	2.61	+1.30
CYC A SEC AIR T	558.36	571.28	549.09	8.15	16.29	+2.92
CYC B SEC AIR T	599.14	606.58	593.81	4.50	9.01	+1.50
CYC C SEC AIR T	543.04	545.65	540.73	1.78	3.55	+.65
RH SP VLV POS	-4.31	-4.31	-4.31	0.00	0.00	+0.00
SH SP VLV POS	29.83	35.51	25.13	3.81	7.63	+25.57
SH SP VLV POS	32.54	37.65	26.94	3.71	7.43	+22.82
~~GR DMPR DEMAND~~	~~-3.46~~	~~.90~~	~~-5.00~~	~~2.64~~	~~5.27~~	~~-152.61~~
RECIRC AIR DMPR P	76.92	90.92	51.27	13.85	27.70	+36.02
SH PASS DMPR P	100.00	100.00	100.00	0.00	0.00	+0.00
RH PASS DMPR P	36.17	71.64	17.69	17.99	35.98	+99.47
FURNACE GAS P IN	19.02	19.79	18.24	.53	1.06	+5.57
AIR ENT AH T	141.46	143.18	138.49	1.31	2.61	+1.85
AIR ENT AH T	143.60	144.82	142.09	.88	1.75	+1.22
AIR ENT AH T	189.38	190.77	187.70	1.05	2.11	+1.11
AIR ENT AH T	160.12	162.04	156.67	1.87	3.74	+2.33
GAS LVG AH T	310.74	315.45	305.51	3.28	6.55	+2.11
GAS LVG AH T	296.97	300.81	292.31	2.83	5.65	+1.90
GAS LVG AH T	294.68	296.06	292.60	1.05	2.10	+.71
GAS LVG AH T	307.43	308.64	304.85	1.28	2.57	+.83
BRN SA/GR T	567.18	572.58	559.44	3.90	7.81	+1.38
BRN SEC AIR T	563.29	574.83	554.65	7.15	14.31	+2.54
GAS LVG RH PASS	661.88	671.03	653.16	6.43	12.86	+1.94
GAS LVG RH PASS	672.79	682.05	661.90	7.14	14.28	+2.12
GAS LVG RH PASS	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG RH PASS	696.35	713.89	679.60	12.46	24.92	+3.58
GAS LVG RH PASS	650.13	661.07	640.65	7.28	14.56	+2.24
GAS LVG RH PASS	657.37	668.61	648.96	7.71	15.42	+2.35
GAS LVG RH PASS	678.82	692.20	663.52	9.18	18.36	+2.71
GAS LVG RH PASS	663.32	672.50	651.98	6.69	13.37	+2.02
GAS LVG RH PASS	654.31	663.50	644.60	6.77	13.54	+2.07
GAS LVG RH PASS	671.72	681.37	661.73	7.15	14.30	+2.13
GAS LVG RH PASS	663.80	673.29	654.27	6.69	13.38	+2.02
GAS LVG RH PASS	679.75	688.44	669.65	6.10	12.21	+1.80
GAS LVG SH PASS	-486.15	-469.57	-507.10	13.28	26.56	-5.46
GAS LVG SH PASS	701.06	715.64	689.58	9.05	18.09	+2.58
GAS LVG SH PASS	721.81	743.56	697.29	16.54	33.08	+4.58
GAS LVG SH PASS	756.21	763.90	747.52	5.06	10.11	+1.34
GAS LVG SH PASS	644.01	659.40	630.71	10.33	20.65	+3.21
GAS LVG SH PASS	664.87	682.50	647.13	12.48	24.95	+3.75
GAS LVG SH PASS	678.21	699.61	656.52	14.45	28.90	+4.26
GAS LVG SH PASS	726.91	744.20	708.09	11.65	23.30	+3.21
GAS LVG SH PASS	688.26	705.17	668.42	11.74	23.48	+3.41
GAS LVG SH PASS	700.32	715.75	680.34	10.94	21.87	+3.12
GAS LVG SH PASS	679.41	692.96	662.38	9.90	19.81	+2.92
GAS LVG SH PASS	-620.80	-602.80	-635.35	10.19	20.39	-3.28
OFA TEMP	566.09	572.51	560.20	4.15	8.30	+1.47
PSH OUT LEG T	778.47	793.21	765.24	9.76	19.53	+2.51
PSH OUT LEG T	791.57	806.45	777.86	9.92	19.85	+2.51
PSH OUT LEG T	743.56	760.95	729.22	11.35	22.71	+3.05
PSH OUT LEG T	759.46	777.92	743.91	12.06	24.13	+3.18

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
PSH OUT LEG T	760.36	772.40	750.65	7.67	15.34	+2.02
PSH OUT LEG T	769.73	781.62	758.31	8.30	16.59	+2.16
PSH OUT LEG T	771.58	788.32	756.02	11.40	22.79	+2.95
PSH OUT LEG T	796.11	807.96	785.32	7.80	15.60	+1.96
PSH OUT LEG T	779.49	797.49	763.80	11.83	23.66	+3.04
PSH OUT LEG T	787.12	798.53	777.21	7.39	14.79	+1.88
PSH OUT LEG T	800.52	811.73	789.47	7.74	15.48	+1.93
PULV INLET T	548.50	555.58	540.34	4.94	9.89	+1.80
PULV OUTLET T	158.86	164.74	151.18	4.37	8.74	+5.50
RH PEND IN LEG	947.26	951.50	943.46	2.62	5.23	+.55
RH PEND IN LEG	940.17	944.23	936.39	2.51	5.03	+.53
RH PEND IN LEG	942.44	946.59	938.71	2.51	5.02	+.53
RH PEND IN LEG	940.11	944.15	936.39	2.50	5.00	+.53
RH PEND IN LEG	0.00	0.00	0.00	0.00	0.00	+0.00
RH PEND IN LEG	962.99	967.69	958.38	3.00	5.99	+.62
RH PEND IN LEG	935.38	940.61	930.41	3.27	6.53	+.70
RH PEND IN LEG	940.70	947.05	934.81	4.09	8.18	+.87
RH PEND IN LEG	947.47	951.91	943.32	2.78	5.57	+.59
RH PEND IN LEG	921.70	929.13	915.96	4.69	9.37	+1.02
SSH PEND IN LEG	853.64	855.42	851.26	1.38	2.77	+.32
SSH PEND IN LEG	874.02	876.32	871.65	1.69	3.39	+.39
SSH PEND IN LEG	881.96	884.48	878.72	1.92	3.85	+.44
SSH PEND IN LEG	897.50	900.03	893.54	2.02	4.05	+.45
SSH PEND IN LEG	870.14	872.21	865.48	1.99	3.97	+.46
SSH PEND IN LEG	893.30	894.98	888.72	1.64	3.28	+.37
SSH PEND IN LEG	881.78	883.97	878.38	1.73	3.45	+.39
SSH PEND IN LEG	875.84	877.45	873.54	1.29	2.57	+.29
SSH PEND IN LEG	877.76	879.76	876.28	.86	1.73	+.20
SSH PEND IN LEG	856.23	859.05	854.17	1.37	2.75	+.32
RH INTM HND HOLE	946.72	950.08	943.42	2.16	4.33	+.46
RH INTM HND HOLE	863.90	868.21	860.98	2.59	5.17	+.60
BRN GAS REC DMPR P	24.79	38.12	8.27	13.48	26.95	+108.69
OVRFIRE AIR DMPR P	52.75	53.30	52.24	.29	.58	+1.09
BRN SEC AIR DMPR P	23.59	24.09	23.08	.35	.70	+2.98
FLAME INTENSITY #1	106.16	106.23	106.09	.04	.09	+.08
FLAME INTENSITY #2	105.54	105.71	105.27	.13	.27	+.25
FLAME INTENSITY #3	106.16	106.23	0.00	78.40	156.80	+147.71
FLAME INTENSITY #4	105.76	105.93	105.63	.12	.25	+.23
PULV DIFF P IN WG	13.80	13.87	13.75	.04	.08	+.56
PULV AMPS	274.90	277.97	271.71	1.94	3.87	+1.41
ROT CLASS AMPS	45.98	46.88	45.54	.39	.78	+1.70
PULV PA FAN AMPS	86.97	88.37	85.64	.89	1.79	+2.06
PULV PA FLOW	60.96	61.09	60.83	.09	.17	+.29
SEC AIR FLOW	30.00	30.18	29.73	.17	.33	+1.11
OFA AIR FLOW	245.01	246.81	243.34	1.00	1.99	+.81
GR TO SEC AIR	12.02	12.33	11.57	.24	.49	+4.07
BRN SEC AIR P IN	22.40	23.29	21.68	.59	1.17	+5.23
O2 IN SEC AIR	15.83	15.94	15.72	.09	.17	+1.08
BRN GAS REC P IN	22.37	23.20	21.61	.56	1.12	+5.03
ROT CLASS RPM	159.41	159.53	159.26	.07	.15	+.09
PULV COAL FLOW KL	28.95	29.04	28.89	.04	.08	+.29
ACCUREX CO PPM	26.76	29.69	23.84	2.14	4.29	+16.03
ACCUREX NOX PPM	298.10	309.62	284.21	9.82	19.65	+6.59
ACCUREX O2 %	2.85	2.89	2.81	.02	.05	+1.73
ACCUREX SOX PPM	1201.58	1214.17	1168.35	13.74	27.49	+2.29
COAL SILO LEVEL	68.82	81.87	61.47	7.85	15.69	+22.80
ROT CLASS DP IN WG	.51	.53	.50	.01	.02	+3.44
HOT PRI AIR DMPR P	99.54	100.00	99.06	.33	.66	+.67
AIR LVG FD FAN T	127.24	128.56	125.65	1.07	2.14	+1.68
AIR LVG FD FAN T	122.39	123.80	120.49	1.11	2.21	+1.81

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
FW HTR E EXT P	433.94	434.65	433.10	.49	.99	+.23
BAROMETRIC P IN	29.49	29.50	29.48	.01	.02	+.05
REL HUMIDITY %	12.08	14.34	10.75	1.49	2.97	+24.62
GAS LVG ECON (T)	697.98	699.77	696.34	.98	1.96	+.28
GAS LVG ECON (T)	699.88	716.37	684.49	11.23	22.47	+3.21
GAS LVG AH (T)	294.47	296.29	291.06	1.77	3.55	+1.21
AIR ENT AH (T)	158.29	159.79	155.53	1.44	2.88	+1.82
1ST STG STM FLW	774.36	776.26	772.85	.85	1.70	+.22
BLOW DOWN FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
GR FAN BUS VOLT	4160.00	4160.00	4160.00	0.00	0.00	+0.00
TOTAL GR FLOW	79.21	81.91	78.22	.98	1.96	+2.47
GR TO SEC AIR	11.93	12.39	11.25	.31	.61	+5.11
GR TO FURN	67.60	70.23	66.24	.98	1.97	+2.91
TMP AIR FLOW	53.26	58.32	46.08	4.35	8.70	+16.33
% PWDR RVR BASN CO	0.00	0.00	0.00	0.00	0.00	+0.00
CYCLONE STOIC	1.07	1.08	1.07	.01	.01	+1.00
REBRN WB STOIC	.39	.39	.39	.00	.00	+.88
REBRN STOIC	.84	.84	.84	.00	.00	+.30
LVG FURN STOIC	1.15	1.16	1.15	.00	.00	+.36
LVG ECON STOIC	1.16	1.17	1.16	.00	.00	+.36
AMBIENT AIR DB TEM	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG RH PS T	668.20	678.86	657.28	7.52	15.04	+2.25
GAS LVG SH PS T	696.11	712.27	679.67	11.02	22.04	+3.17
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	+0.00
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	+0.00
DRY BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	+0.00
WET BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	+0.00
AIR ENT AH P	0.00	0.00	0.00	0.00	0.00	+0.00
AIR LVG AH P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG SSH PLAT P	0.00	0.00	0.00	0.00	0.00	+0.00
ENT PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	+0.00
GAS ENT AH P	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG AH P	0.00	0.00	0.00	0.00	0.00	+0.00
SEC SH OUT P	0.00	0.00	0.00	0.00	0.00	+0.00

TEST F6 : 54 MW CYCLONES AT SAME LOAD AS 82 MW W/RBN

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
O2 LVG ECON (T)	3.92	3.99	3.82	.06	.12	+3.00
O2 LVG ECON (T)	3.73	3.81	3.65	.05	.09	+2.54
CO2 LVG ECON (T)	15.30	15.40	15.16	.09	.18	+1.21
CO2 LVG ECON (T)	15.18	15.26	15.10	.05	.09	+.60
CO LVG ECON (T)	67.96	72.68	60.79	3.79	7.58	+11.15
CO LVG ECON (T)	61.52	113.66	48.73	17.76	35.51	+57.72
NOX LVG ECON (T)	467.01	485.17	445.90	13.42	26.84	+5.75
~~NOX LVG ECON (T)~~	~~436.71~~	~~447.19~~	~~419.47~~	~~7.40~~	~~14.80~~	~~+3.39~~
DRUM PRESS (T)	1450.78	1455.91	1449.53	1.85	3.69	+.25
ENT RH-1 P (T)	0.00	0.00	0.00	0.00	0.00	+0.00
LVG RH-1 P (T)	193.88	196.39	191.76	1.70	3.39	+1.75
SEC SH OUT P (T)	1446.75	1452.44	1444.80	2.17	4.33	+.30
FW HTR E EXT P	195.05	197.75	192.67	1.88	3.76	+1.93
ECON H2O OUT T	477.50	478.17	476.40	.57	1.14	+.24
ECON H2O OUT T	447.41	448.30	446.54	.50	1.01	+.23
AMBIENT AIR TEMP	115.70	116.37	114.63	.56	1.11	+.96
PRI SH OUT T	717.91	724.36	710.53	3.94	7.88	+1.10
PRI SH OUT T	728.68	731.73	722.71	2.83	5.65	+.78
AIR LVG AH T	511.72	516.65	508.09	2.40	4.80	+.94
AIR LVG AH T	517.84	520.45	515.10	1.79	3.58	+.69
AIR LVG FD FAN T	136.74	138.73	135.41	1.18	2.37	+1.73
AIR LVG FD FAN T	134.95	138.21	132.37	2.18	4.36	+3.23
RH SPRAY H2O T	265.17	265.44	264.87	.20	.39	+.15
FW HTR E ENT T	325.16	325.54	324.78	.25	.50	+.15
FW HTR E EXT T	585.55	588.25	579.29	3.02	6.04	+1.03
ENT RH T	579.17	600.34	571.17	7.54	15.08	+2.60
FW HTR E DRN T	337.95	339.65	336.84	.90	1.80	+.53
FW HTR E LVG T	383.88	384.50	383.16	.50	1.00	+.26
O2 LVG AH (T)	5.64	5.70	5.57	.04	.09	+1.53
O2 LVG GR FAN (T)	0.00	0.00	0.00	0.00	0.00	+0.00
CO2 LVG AH (T)	3.78	3.78	3.78	0.00	0.00	+0.00
GAS TEMP LVG GR FA	0.00	0.00	0.00	0.00	0.00	+0.00
AIR ENT FD FAN	94.37	95.53	93.60	.67	1.33	+1.41
LOAD MW	52.37	52.80	52.05	.25	.50	+.95
MAIN STEAM FLOW	353.00	355.96	350.49	2.03	4.07	+1.15
FW FLOW	368.20	372.83	355.70	5.01	10.02	+2.72
RH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
SH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
SH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
GR FAN AMPS	-.02	0.00	-.02	.02	.04	-178.89
GR FAN AMPS	43.62	43.96	43.07	.26	.52	+1.20
1st STG PRESS	467.75	471.82	462.38	3.60	7.19	+1.54
OIL FLOW 2A	.00	.00	.00	0.00	0.00	+0.00
OIL FLOW 2B	.00	.00	.00	0.00	0.00	+0.00
OIL FLOW 2C	.00	.00	.00	0.00	0.00	+0.00
SSH OUT T	940.62	943.48	932.38	3.77	7.54	+.80
SSH OUT T	944.87	950.31	934.72	4.83	9.65	+1.02
SSH OUT AVE T	941.05	944.48	932.09	4.10	8.19	+.87
LVG SH ATTMP T	721.77	725.94	714.94	3.64	7.28	+1.01
LVG SH ATTMP T	732.26	735.46	725.88	3.09	6.19	+.84
ECON H2O IN T	388.02	389.63	386.71	.89	1.79	+.46
LVG RH T	923.32	927.80	913.35	4.97	9.94	+1.08
COLD RH T	590.05	592.66	583.90	2.82	5.65	+.96
TURB THROT P	1450.47	1455.72	1449.37	1.80	3.59	+.25
DRUM PRESS	1483.07	1484.25	1481.75	.76	1.53	+.10
LVG RH PRESS	192.50	195.14	190.20	1.86	3.73	+1.94
ENT RH PRESS	201.67	204.21	199.30	1.78	3.55	+1.76
O2 LVG ECON	3.79	3.88	3.74	.05	.10	+2.59
O2 LVG ECON	3.77	3.82	3.68	.05	.11	+2.83

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
CYC A COAL FLOW KL	23.01	23.33	22.80	.19	.37	+1.62
CYC B COAL FLOW KL	-.01	0.00	-.01	.00	.01	-63.25
CYC C COAL FLOW KL	22.99	23.35	22.79	.19	.38	+1.67
CYC A SEC AIR FLOW	207.86	209.79	206.09	1.18	2.35	+1.13
CYC B SEC AIR FLOW	3.03	3.90	2.42	.47	.95	+31.17
CYC C SEC AIR FLOW	207.66	210.42	205.72	1.41	2.81	+1.35
CYC A SEC AIR T	478.70	480.53	477.80	.94	1.87	+.39
CYC B SEC AIR T	511.17	515.72	509.86	1.84	3.68	+.72
CYC C SEC AIR T	488.95	490.02	488.49	.46	.92	+.19
RH SP VLV POS	-5.00	-5.00	-5.00	0.00	0.00	+0.00
SH SP VLV POS	0.00	0.00	0.00	0.00	0.00	+0.00
SH SP VLV POS	0.00	0.00	0.00	0.00	0.00	+0.00
GR DMPR DEMAND	105.00	105.00	105.00	0.00	0.00	+0.00
RECIRC AIR DMPR P	13.31	14.86	8.99	1.50	3.00	+22.54
SH PASS DMPR P	.02	.04	0.00	.02	.03	+182.91
RH PASS DMPR P	100.00	100.00	100.00	0.00	0.00	+0.00
FURNACE GAS P IN	7.52	7.61	7.39	.06	.13	+1.68
AIR ENT AH T	174.74	181.22	168.17	3.81	7.61	+4.36
AIR ENT AH T	168.72	173.26	164.45	3.03	6.06	+3.59
AIR ENT AH T	194.69	199.31	180.56	5.24	10.49	+5.39
AIR ENT AH T	187.79	195.07	175.34	5.54	11.07	+5.90
GAS LVG AH T	276.09	281.90	273.06	3.12	6.24	+2.26
GAS LVG AH T	257.00	262.30	253.41	3.19	6.37	+2.48
GAS LVG AH T	268.20	272.44	265.35	2.30	4.60	+1.72
GAS LVG AH T	276.92	281.11	273.62	2.42	4.85	+1.75
BRN SA/GR T	487.49	489.48	485.29	1.44	2.89	+.59
BRN SEC AIR T	510.11	511.50	508.39	.88	1.76	+.34
GAS LVG RH PASS	574.43	577.29	568.55	2.85	5.71	+.99
GAS LVG RH PASS	583.86	587.34	576.59	3.72	7.45	+1.28
GAS LVG RH PASS	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG RH PASS	589.57	594.28	582.34	3.94	7.88	+1.34
GAS LVG RH PASS	567.55	569.70	562.38	2.40	4.81	+.85
GAS LVG RH PASS	577.52	581.09	570.44	3.46	6.92	+1.20
GAS LVG RH PASS	582.74	586.67	575.65	3.57	7.14	+1.23
GAS LVG RH PASS	569.68	574.51	562.81	3.71	7.43	+1.30
GAS LVG RH PASS	575.19	577.86	569.27	2.86	5.72	+.99
GAS LVG RH PASS	589.66	593.00	582.65	3.58	7.16	+1.21
GAS LVG RH PASS	578.24	583.45	571.06	3.84	7.69	+1.33
GAS LVG RH PASS	582.99	587.96	576.34	3.66	7.32	+1.26
GAS LVG SH PASS	-318.84	-318.11	-320.12	.68	1.36	-.43
GAS LVG SH PASS	524.76	526.80	520.94	1.88	3.76	+.72
GAS LVG SH PASS	527.32	533.17	521.30	4.04	8.08	+1.53
GAS LVG SH PASS	543.57	546.79	539.15	2.33	4.66	+.86
GAS LVG SH PASS	504.83	508.46	500.86	2.44	4.88	+.97
GAS LVG SH PASS	515.70	519.11	510.66	2.82	5.64	+1.09
GAS LVG SH PASS	512.05	514.03	508.31	1.84	3.68	+.72
GAS LVG SH PASS	537.97	540.69	533.41	2.43	4.87	+.90
GAS LVG SH PASS	530.90	534.85	527.10	2.80	5.60	+1.05
GAS LVG SH PASS	528.87	532.11	524.66	2.35	4.71	+.89
GAS LVG SH PASS	523.37	527.68	519.13	2.47	4.94	+.94
GAS LVG SH PASS	-412.41	-409.44	-414.64	1.64	3.29	-.80
OFA TEMP	436.55	442.89	432.73	3.43	6.86	+1.57
PSH OUT LEG T	736.12	740.38	728.56	3.92	7.85	+1.07
PSH OUT LEG T	736.13	739.80	728.84	3.58	7.17	+.97
PSH OUT LEG T	708.02	711.94	701.82	3.39	6.79	+.96
PSH OUT LEG T	717.56	721.67	711.61	3.31	6.63	+.92

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
PSH OUT LEG T	728.30	732.46	721.54	3.60	7.20	+.99
PSH OUT LEG T	737.84	741.75	730.77	3.65	7.30	+.99
PSH OUT LEG T	717.90	720.96	712.13	2.89	5.77	+.80
PSH OUT LEG T	743.86	747.15	737.19	3.29	6.59	+.89
PSH OUT LEG T	719.73	722.63	714.49	2.57	5.14	+.71
PSH OUT LEG T	739.47	742.10	733.69	2.79	5.57	+.75
PSH OUT LEG T	744.17	746.97	738.17	2.95	5.90	+.79
PULV INLET T	101.61	102.08	101.36	.25	.51	+.50
PULV OUTLET T	109.18	109.53	108.72	.26	.51	+.47
RH PEND IN LEG	870.33	874.71	861.41	4.60	9.19	+1.06
RH PEND IN LEG	858.98	863.86	848.71	5.19	10.37	+1.21
RH PEND IN LEG	865.06	869.53	855.86	4.72	9.45	+1.09
RH PEND IN LEG	860.31	864.98	850.26	5.06	10.11	+1.18
~~RH PEND IN LEG~~	~~0.00~~	~~0.00~~	~~0.00~~	~~0.00~~	~~0.00~~	~~+0.00~~
RH PEND IN LEG	889.70	894.17	879.73	4.91	9.82	+1.10
RH PEND IN LEG	865.64	869.42	856.74	4.26	8.53	+.98
RH PEND IN LEG	872.73	876.03	863.87	4.20	8.41	+.96
RH PEND IN LEG	870.76	875.13	861.21	4.77	9.55	+1.10
RH PEND IN LEG	855.78	859.06	849.35	3.28	6.56	+.77
SSH PEND IN LEG	845.33	849.70	836.52	4.39	8.78	+1.04
SSH PEND IN LEG	855.72	858.07	848.74	3.05	6.09	+.71
SSH PEND IN LEG	845.59	849.03	839.00	2.97	5.95	+.70
SSH PEND IN LEG	851.21	855.71	844.71	3.17	6.33	+.74
SSH PEND IN LEG	817.16	822.11	810.54	3.35	6.70	+.82
SSH PEND IN LEG	847.21	852.75	839.78	3.76	7.51	+.89
SSH PEND IN LEG	845.49	849.05	838.05	3.57	7.14	+.84
SSH PEND IN LEG	843.06	845.88	835.43	3.48	6.97	+.83
SSH PEND IN LEG	848.83	852.02	840.57	3.71	7.43	+.87
SSH PEND IN LEG	834.55	836.31	829.22	2.37	4.73	+.57
RH INTM HND HOLE	868.77	872.15	865.04	2.62	5.24	+.60
RH INTM HND HOLE	803.96	806.53	799.56	2.60	5.21	+.65
BRN GAS REC DMPR P	0.00	0.00	0.00	0.00	0.00	+0.00
OVRFIRE AIR DMPR P	5.00	5.00	5.00	0.00	0.00	+0.00
BRN SEC AIR DMPR P	18.65	18.87	18.47	.13	.25	+1.36
FLAME INTENSITY #1	1.59	2.07	1.05	.34	.68	+42.80
FLAME INTENSITY #2	.99	1.15	.93	.08	.15	+15.29
FLAME INTENSITY #3	.80	.86	.78	.03	.06	+7.05
FLAME INTENSITY #4	1.22	1.51	1.02	.16	.32	+26.03
PULV DIFF P IN WG	-.01	-.01	-.01	.00	.00	-.00
PULV AMPS	-.13	-.13	-.13	.00	.00	-.00
ROT CLASS AMPS	.03	.03	.03	.00	.00	+.01
PULV PA FAN AMPS	-.10	-.06	-.11	.02	.05	-45.63
PULV PA FLOW	1.22	1.47	.84	.21	.42	+34.35
SEC AIR FLOW	31.21	31.43	30.94	.14	.28	+.90
OFA AIR FLOW	29.98	30.95	28.48	.81	1.61	+5.37
GR TO SEC AIR	2.78	3.00	2.71	.10	.20	+7.06
BRN SEC AIR P IN	7.49	7.65	7.33	.11	.21	+2.83
O2 IN SEC AIR	19.59	19.62	19.49	.05	.09	+.47
BRN GAS REC P IN	7.40	7.51	7.31	.06	.13	+1.73
ROT CLASS RPM	-.26	-.24	-.29	.02	.04	-14.27
PULV COAL FLOW KL	.07	.07	.06	.00	.01	+11.40
ACCUREX CO PPM	33.19	41.02	27.94	3.74	7.49	+22.56
ACCUREX NOX PPM	434.57	451.05	417.67	10.92	21.85	+5.03
ACCUREX O2 %	3.70	3.78	3.61	.06	.12	+3.18
ACCUREX SOX PPM	1099.59	1119.06	1041.36	23.92	47.84	+4.35
COAL SILO LEVEL	92.98	93.41	92.79	.21	.43	+.46
ROT CLASS DP IN WG	.01	.01	.00	.00	.00	+7.18
HOT PRI AIR DMPR P	0.00	0.00	0.00	0.00	0.00	+0.00
AIR LVG FD FAN T	134.53	136.73	132.90	1.29	2.59	+1.92
AIR LVG FD FAN T	132.52	135.76	130.13	2.16	4.32	+3.26

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
FW HTR E EXT P	193.57	195.95	191.29	1.75	3.50	+1.81
BAROMETRIC P IN	29.44	29.46	29.42	.01	.02	+.07
REL HUMIDITY %	13.55	14.06	12.97	.35	.70	+5.17
GAS LVG ECON (T)	595.63	598.98	588.58	3.51	7.02	+1.18
GAS LVG ECON (T)	550.09	553.29	545.43	2.46	4.91	+.89
GAS LVG RH (T)	264.09	267.72	261.47	2.01	4.03	+1.53
AIR ENT RH (T)	181.13	185.82	171.59	4.06	8.12	+4.48
1ST STG STM FLW	347.43	350.27	343.67	2.52	5.04	+1.45
BLOW DOWN FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
GR FAN BUS VOLT	4160.00	4160.00	4160.00	0.00	0.00	+0.00
TOTAL GR FLOW	273.37	274.95	269.17	1.74	3.49	+1.28
GR TO SEC AIR	2.37	2.59	2.30	.10	.19	+8.10
GR TO FURN	271.00	272.63	266.84	1.77	3.54	+1.31
TMP AIR FLOW	50.83	55.87	32.12	6.45	12.91	+25.39
% PWDR RVR BASN CO	0.00	0.00	0.00	0.00	0.00	+0.00
CYCLONE STOIC	1.05	1.09	1.03	.01	.03	+2.58
REBRN WB STOIC	100.00	100.00	100.00	0.00	0.00	+0.00
REBRN STOIC	1.12	1.12	1.11	.00	.01	+.76
LVG FURN STOIC	1.20	1.20	1.19	.00	.01	+.57
LVG ECON STOIC	1.21	1.22	1.21	.00	.01	+.56
AMBIENT AIR DB TEM	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG RH PS T	579.22	582.49	572.55	3.37	6.73	+1.16
GAS LVG SH PS T	524.94	528.10	520.55	2.45	4.91	+.94
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	+0.00
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	+0.00
DRY BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	+0.00
WET BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	+0.00
AIR ENT RH P	0.00	0.00	0.00	0.00	0.00	+0.00
AIR LVG RH P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG SSH PLAT P	0.00	0.00	0.00	0.00	0.00	+0.00
ENT PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	+0.00
GAS ENT RH P	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG RH P	0.00	0.00	0.00	0.00	0.00	+0.00
SEC SH OUT P	0.00	0.00	0.00	0.00	0.00	+0.00

TEST F7 : 82 MW WITH REBURN

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
O2 LVG ECON (T)	2.99	3.07	2.90	.07	.14	+4.56
O2 LVG ECON (T)	3.13	3.25	3.06	.07	.14	+4.42
CO2 LVG ECON (T)	15.79	15.90	15.64	.09	.18	+1.15
CO2 LVG ECON (T)	15.73	15.78	15.64	.05	.10	+.61
CO LVG ECON (T)	104.74	147.20	91.29	17.33	34.65	+33.08
CO LVG ECON (T)	95.28	174.89	76.39	30.39	60.79	+63.80
NOX LVG ECON (T)	293.91	302.92	286.05	5.58	11.17	+3.80
NOX LVG ECON (T)	286.03	291.65	279.53	3.55	7.11	+2.49
~~DRUM PRESS (T)~~	~~1496.52~~	~~1500.55~~	~~1493.27~~	~~2.33~~	~~4.67~~	~~+.31~~
ENT RH-1 P (T)	0.00	0.00	0.00	0.00	0.00	+0.00
LVG RH-1 P (T)	307.84	310.16	305.18	1.57	3.15	+1.02
SEC SH OUT P (T)	1462.00	1465.63	1460.54	1.68	3.37	+.23
FW HTR E EXT P	312.42	314.74	309.68	1.62	3.24	+1.04
ECON H2O OUT T	499.42	500.99	495.50	1.75	3.51	+.70
ECON H2O OUT T	491.69	495.03	488.74	2.41	4.81	+.98
AMBIENT AIR TEMP	116.19	117.90	112.07	2.02	4.03	+3.47
PRI SH OUT T	777.41	785.23	771.52	4.97	9.95	+1.28
PRI SH OUT T	801.62	807.02	794.28	4.40	8.80	+1.10
AIR LVG AH T	551.54	556.84	545.41	4.16	8.32	+1.51
AIR LVG AH T	545.00	551.25	537.85	4.54	9.07	+1.67
AIR LVG FD FAN T	135.52	136.22	134.43	.66	1.31	+.97
AIR LVG FD FAN T	135.08	135.71	133.82	.63	1.26	+.93
RH SPRAY H2O T	293.44	293.81	293.20	.24	.48	+.16
FW HTR E ENT T	359.27	359.98	358.53	.43	.87	+.24
FW HTR E EXT T	684.51	687.53	680.85	3.00	5.99	+.88
ENT RH T	679.92	700.26	673.82	8.23	16.45	+2.42
FW HTR E DRN T	374.56	375.28	374.12	.45	.90	+.24
FW HTR E LVG T	425.57	426.57	424.95	.55	1.10	+.26
O2 LVG AH (T)	4.36	4.44	4.29	.05	.11	+2.49
O2 LVG GR FAN (T)	4.28	4.36	4.21	.05	.11	+2.49
CO2 LVG AH (T)	3.78	3.78	3.78	0.00	0.00	+0.00
GAS TEMP LVG GR FA	0.00	0.00	0.00	0.00	0.00	+0.00
AIR ENT FD FAN	99.18	99.73	97.85	.62	1.24	+1.25
LOAD MW	82.56	83.17	81.92	.42	.83	+1.01
MAIN STEAM FLOW	566.84	573.45	560.22	4.93	9.86	+1.74
FW FLOW	556.55	562.31	551.54	3.61	7.22	+1.30
RH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
SH SPRAY FLOW	7.70	9.35	6.24	1.16	2.31	+30.04
SH SPRAY FLOW	7.82	9.93	5.89	1.46	2.93	+37.46
GR FAN AMPS	-.02	0.00	-.02	.01	.03	-122.47
GR FAN AMPS	39.18	39.61	38.35	.42	.83	+2.12
1st STG PRESS	750.85	759.59	743.99	5.77	11.54	+1.54
OIL FLOW 2A	.00	.00	0.00	.00	.00	+141.42
OIL FLOW 2B	0.00	0.00	0.00	0.00	0.00	+0.00
OIL FLOW 2C	0.00	0.00	0.00	0.00	0.00	+0.00
SSH OUT T	998.62	1007.85	993.92	4.54	9.08	+.91
SSH OUT T	1000.04	1009.79	994.49	5.35	10.70	+1.07
SSH OUT AVE T	1001.04	1010.53	996.56	4.78	9.55	+.95
LVG SH ATTMP T	738.89	748.51	732.38	4.65	9.30	+1.26
LVG SH ATTMP T	752.29	765.18	743.81	6.13	12.26	+1.63
ECON H2O IN T	428.76	429.69	427.87	.66	1.31	+.31
LVG RH T	998.70	1003.46	993.35	3.58	7.17	+.72
COLD RH T	687.49	690.88	683.30	3.34	6.68	+.97
TURB THROT P	1450.35	1452.58	1449.16	1.20	2.39	+.17
DRUM PRESS	1531.41	1535.78	1528.90	2.44	4.88	+.32
LVG RH PRESS	305.05	308.23	302.66	1.72	3.44	+1.13
ENT RH PRESS	324.19	327.47	321.42	1.83	3.66	+1.13
O2 LVG ECON	3.16	3.27	3.10	.06	.13	+3.98
O2 LVG ECON	2.70	2.81	2.62	.07	.15	+5.44

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
CYC A COAL FLOW KL	23.11	23.60	22.43	.37	.74	+3.19
CYC B COAL FLOW KL	-.01	-.01	-.01	0.00	0.00	+0.00
CYC C COAL FLOW KL	23.10	23.59	22.41	.37	.74	+3.21
CYC A SEC AIR FLOW	215.43	220.61	211.40	3.07	6.15	+2.85
CYC B SEC AIR FLOW	3.64	4.90	2.57	.85	1.70	+46.79
CYC C SEC AIR FLOW	215.64	218.91	211.08	2.64	5.28	+2.45
CYC A SEC AIR T	510.01	515.76	501.97	4.37	8.73	+1.71
CYC B SEC AIR T	537.16	543.42	530.05	4.56	9.12	+1.70
CYC C SEC AIR T	509.85	515.29	504.05	3.83	7.65	+1.50
RH SP VLV POS	-5.00	-5.00	-5.00	0.00	0.00	+0.00
SH SP VLV POS	42.32	46.49	38.71	2.82	5.63	+13.31
SH SP VLV POS	41.27	44.53	38.23	2.19	4.39	+10.63
GR DMPR DEMAND	60.06	60.06	60.06	0.00	0.00	+0.00
RECIRC AIR DMPR P	16.13	16.46	15.72	.22	.45	+2.78
SH PASS DMPR P	36.20	41.90	25.70	4.85	9.70	+26.80
RH PASS DMPR P	100.00	100.00	100.00	0.00	0.00	+0.00
FURNACE GAS P IN	11.80	12.04	11.49	.18	.35	+2.98
AIR ENT AH T	160.26	160.96	159.69	.36	.72	+.45
AIR ENT AH T	154.70	155.21	153.92	.45	.91	+.59
AIR ENT AH T	187.37	187.94	186.67	.43	.85	+.46
AIR ENT AH T	166.93	167.32	166.30	.41	.82	+.49
GAS LVG AH T	290.28	290.62	289.91	.29	.58	+.20
GAS LVG AH T	277.89	278.40	277.51	.38	.76	+.28
GAS LVG AH T	272.18	273.18	271.13	.72	1.44	+.53
GAS LVG AH T	282.34	283.72	280.89	1.04	2.08	+.74
BRN SA/GR T	547.02	555.08	536.12	6.27	12.54	+2.29
BRN SEC AIR T	550.36	557.38	542.23	5.15	10.30	+1.87
GAS LVG RH PASS	603.48	610.06	594.19	4.58	9.17	+1.52
GAS LVG RH PASS	618.13	624.74	608.63	5.16	10.33	+1.67
GAS LVG RH PASS	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG RH PASS	649.81	657.76	634.62	7.46	14.92	+2.30
GAS LVG RH PASS	598.15	605.25	588.64	4.74	9.48	+1.59
GAS LVG RH PASS	612.93	620.42	602.30	5.27	10.53	+1.72
GAS LVG RH PASS	621.11	629.40	609.87	5.70	11.40	+1.83
GAS LVG RH PASS	615.92	623.77	602.61	6.69	13.38	+2.17
GAS LVG RH PASS	607.44	614.40	597.13	5.18	10.36	+1.71
GAS LVG RH PASS	629.90	635.01	622.01	4.21	8.42	+1.34
GAS LVG RH PASS	620.05	627.65	608.74	5.63	11.26	+1.82
GAS LVG RH PASS	636.57	643.95	624.00	6.03	12.05	+1.89
GAS LVG SH PASS	-380.79	-373.63	-387.35	4.68	9.35	-2.46
GAS LVG SH PASS	602.61	610.44	596.21	5.16	10.32	+1.71
GAS LVG SH PASS	611.16	620.27	604.59	5.91	11.82	+1.93
GAS LVG SH PASS	642.50	652.53	634.06	6.84	13.68	+2.13
GAS LVG SH PASS	567.52	573.75	562.57	4.41	8.83	+1.56
GAS LVG SH PASS	588.50	595.39	580.97	5.35	10.69	+1.82
GAS LVG SH PASS	587.06	593.28	581.57	4.31	8.61	+1.47
GAS LVG SH PASS	628.50	637.23	622.09	5.34	10.67	+1.70
GAS LVG SH PASS	601.86	608.46	596.47	4.49	8.97	+1.49
GAS LVG SH PASS	602.23	608.81	597.01	4.22	8.45	+1.40
GAS LVG SH PASS	597.04	604.03	591.90	4.58	9.16	+1.53
GAS LVG SH PASS	-515.94	-509.42	-525.45	6.15	12.30	-2.38
OFA TEMP	524.62	530.36	516.80	4.52	9.03	+1.72
PSH OUT LEG T	799.44	805.75	791.12	5.35	10.71	+1.34
PSH OUT LEG T	805.99	811.76	799.46	5.26	10.53	+1.31
PSH OUT LEG T	751.96	760.52	743.17	6.90	13.80	+1.84
PSH OUT LEG T	771.17	780.71	761.72	7.62	15.23	+1.97

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
PSH OUT LEG T	786.72	792.78	781.38	4.53	9.06	+1.15
PSH OUT LEG T	795.99	800.40	792.11	3.26	6.52	+.82
PSH OUT LEG T	782.54	788.54	774.16	5.47	10.93	+1.40
PSH OUT LEG T	814.28	821.08	807.27	5.14	10.27	+1.26
PSH OUT LEG T	789.29	797.27	780.21	6.42	12.85	+1.63
PSH OUT LEG T	805.17	810.50	800.35	3.96	7.93	+.98
PSH OUT LEG T	815.79	820.65	811.64	3.64	7.27	+.89
PULV INLET T	497.39	504.67	486.16	6.10	12.21	+2.45
PULV OUTLET T	145.93	153.11	135.93	5.90	11.79	+8.08
RH PEND IN LEG	943.69	948.25	935.83	4.25	8.50	+.90
RH PEND IN LEG	942.88	947.45	933.34	4.54	9.09	+.96
RH PEND IN LEG	941.09	945.39	932.79	4.23	8.47	+.90
RH PEND IN LEG	940.59	945.07	931.44	4.42	8.84	+.94
RH PEND IN LEG	0.00	0.00	0.00	0.00	0.00	+0.00
RH PEND IN LEG	962.08	966.74	955.90	3.70	7.40	+.77
RH PEND IN LEG	931.02	934.82	926.15	3.05	6.11	+.66
RH PEND IN LEG	927.84	933.68	921.61	3.93	7.85	+.85
RH PEND IN LEG	945.03	949.39	936.91	4.13	8.27	+.87
RH PEND IN LEG	884.04	891.22	875.49	4.80	9.60	+1.09
SSH PEND IN LEG	842.42	852.84	836.91	4.54	9.07	+1.08
SSH PEND IN LEG	865.34	879.58	858.21	6.21	12.43	+1.44
SSH PEND IN LEG	870.34	886.90	861.59	7.58	15.16	+1.74
SSH PEND IN LEG	883.70	900.34	873.67	8.10	16.21	+1.83
SSH PEND IN LEG	857.73	872.36	848.19	7.36	14.72	+1.72
SSH PEND IN LEG	899.12	914.14	888.98	7.51	15.01	+1.67
SSH PEND IN LEG	895.45	908.15	887.10	6.05	12.10	+1.35
SSH PEND IN LEG	865.74	897.52	878.73	5.46	10.92	+1.23
SSH PEND IN LEG	881.86	892.97	876.69	4.91	9.82	+1.11
SSH PEND IN LEG	846.39	855.44	840.08	4.38	8.76	+1.04
RH INTM HND HOLE	939.13	945.42	924.83	7.03	14.06	+1.50
RH INTM HND HOLE	833.12	837.15	826.85	3.21	6.41	+.77
BRN GAS REC DMPR P	29.96	30.97	28.27	1.22	2.44	+8.13
OVRFIRE AIR DMPR P	37.07	37.37	36.55	.23	.46	+1.23
BRN SEC AIR DMPR P	21.22	21.60	20.67	.29	.58	+2.72
FLAME INTENSITY #1	106.14	106.24	106.04	.08	.15	+.14
FLAME INTENSITY #2	105.69	105.85	105.54	.11	.22	+.21
FLAME INTENSITY #3	106.11	106.19	0.00	91.89	183.78	+173.21
FLAME INTENSITY #4	105.91	106.04	105.74	.10	.21	+.20
PULV DIFF P IN WG	13.18	13.64	12.13	.49	.99	+7.48
PULV AMPS	261.94	264.26	253.95	3.20	6.40	+2.44
ROT CLASS AMPS	46.42	46.65	45.97	.22	.44	+.94
PULV PA FAN AMPS	63.24	65.25	59.94	1.82	3.64	+5.75
PULV PA FLOW	55.03	55.47	54.60	.27	.54	+.98
SEC AIR FLOW	31.30	31.48	31.05	.15	.31	+.98
OFA AIR FLOW	175.63	178.83	170.46	2.30	4.59	+2.62
GR TO SEC AIR	11.54	11.77	11.40	.12	.24	+2.11
BRN SEC AIR P IN	13.56	13.72	13.26	.14	.28	+2.07
O2 IN SEC AIR	16.12	16.19	16.05	.05	.10	+.60
BRN GAS REC P IN	13.55	13.78	13.19	.18	.37	+2.70
ROT CLASS RPM	163.10	163.52	162.99	.17	.34	+.21
PULV COAL FLOW KL	24.24	24.55	23.91	.19	.39	+1.60
ACCUREX CO PPM	51.52	135.65	34.37	32.14	64.28	+124.76
ACCUREX NOX PPM	279.85	286.71	272.89	3.88	7.77	+2.78
ACCUREX O2 %	2.86	2.95	2.79	.06	.12	+4.31
ACCUREX SOX PPM	1080.68	1098.99	1065.03	12.25	24.51	+2.27
COAL SILO LEVEL	82.52	87.02	79.19	2.65	5.31	+6.43
ROT CLASS DP IN WG	.54	.54	.53	.00	.01	+1.20
HOT PRI AIR DMPR P	99.64	100.00	99.10	.29	.58	+.58
AIR LVG FD FAN T	133.21	134.04	132.25	.69	1.38	+1.03
AIR LVG FD FAN T	132.69	133.25	131.58	.55	1.10	+.83

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
FW HTR E EXT P	311.45	314.03	308.96	1.73	3.47	+1.11
BAROMETRIC P IN	29.41	29.42	29.40	.01	.01	+.04
REL HUMIDITY %	13.83	15.03	13.06	.64	1.28	+9.24
GAS LVG ECON (T)	636.86	644.61	626.97	5.08	10.15	+1.59
GAS LVG ECON (T)	615.19	621.79	608.35	4.68	9.36	+1.52
GAS LVG AH (T)	273.08	274.23	271.90	.75	1.51	+.55
AIR ENT AH (T)	169.97	170.64	169.62	.34	.68	+.40
1ST STG STM FLW	545.60	551.72	540.79	4.04	8.08	+1.48
BLOW DOWN FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
GR FAN BUS VOLT	4160.00	4160.00	4160.00	0.00	0.00	+0.00
TOTAL GR FLOW	226.93	232.07	0.00	80.38	160.77	+70.84
GR TO SEC AIR	11.81	12.00	0.00	4.18	8.36	+70.74
~~GR TO FURN~~	~~215.90~~	~~220.91~~	~~0.00~~	~~76.49~~	~~152.98~~	~~+70.86~~
TMP AIR FLOW	16.35	28.02	0.00	9.39	18.77	+114.84
% PWDR RVR BASN CO	0.00	0.00	0.00	0.00	0.00	+0.00
CYCLONE STOIC	1.11	1.13	0.00	.39	.78	+70.76
REBRN WB STOIC	.45	.45	0.00	.16	.32	+70.72
REBRN STOIC	.85	.85	0.00	.30	.60	+70.72
LVG FURN STOIC	1.15	1.15	0.00	.41	.81	+70.71
LVG ECON STOIC	1.16	1.16	0.00	.41	.82	+70.71
AMBIENT AIR DB TEM	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG RH PS T	619.14	626.22	0.00	218.97	437.93	+70.73
GAS LVG SH PS T	603.31	610.42	0.00	213.35	426.71	+70.73
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	+0.00
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	+0.00
DRY BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	+0.00
WET BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	+0.00
AIR ENT AH P	0.00	0.00	0.00	0.00	0.00	+0.00
AIR LVG AH P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG SSH PLAT P	0.00	0.00	0.00	0.00	0.00	+0.00
ENT PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	+0.00
GAS ENT AH P	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG AH P	0.00	0.00	0.00	0.00	0.00	+0.00
SEC SH OUT P	0.00	0.00	0.00	0.00	0.00	+0.00

TEST F8 : 82 MW WITH REBURN

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
O2 LVG ECON (T)	2.88	2.95	2.80	.05	.10	+3.51
O2 LVG ECON (T)	3.15	3.21	3.08	.05	.10	+3.07
CO2 LVG ECON (T)	15.84	15.98	15.76	.07	.13	+.85
CO2 LVG ECON (T)	15.67	15.74	15.63	.05	.09	+.59
CO LVG ECON (T)	104.08	110.88	99.24	4.37	8.74	+8.40
CO LVG ECON (T)	109.15	116.42	102.87	3.90	7.79	+7.14
NOX LVG ECON (T)	283.78	290.59	276.47	4.69	9.37	+3.30
NOX LVG ECON (T)	312.05	320.98	297.52	6.48	12.96	+4.15
DRUM PRESS (T)	1495.95	1498.40	1492.77	1.90	3.80	+.25
ENT RH-1 P (T)	0.00	0.00	0.00	0.00	0.00	+0.00
LVG RH-1 P (T)	307.16	310.35	303.67	2.09	4.18	+1.36
SEC SH OUT P (T)	1461.87	1464.42	1459.31	1.49	2.98	+.20
FW HTR E EXT P	311.83	315.26	308.14	2.22	4.44	+1.42
ECON H2O OUT T	499.21	501.14	497.37	1.28	2.56	+.51
ECON H2O OUT T	494.30	498.74	489.56	2.97	5.95	+1.20
AMBIENT AIR TEMP	109.14	110.00	108.30	.56	1.12	+1.03
PRI SH OUT T	787.96	794.38	780.61	4.93	9.86	+1.25
PRI SH OUT T	805.49	819.05	797.95	6.21	12.42	+1.54
AIR LVG AH T	568.93	573.36	563.97	2.54	5.07	+.89
AIR LVG AH T	557.71	561.24	554.86	2.27	4.54	+.81
AIR LVG FD FAN T	131.58	132.19	130.89	.50	.99	+.75
AIR LVG FD FAN T	130.36	131.01	129.68	.54	1.08	+.83
RH SPRAY H2O T	293.60	294.26	292.99	.34	.68	+.23
FW HTR E ENT T	359.69	360.35	358.97	.49	.97	+.27
FW HTR E EXT T	682.16	685.72	679.18	2.32	4.64	+.68
ENT RH T	676.25	686.30	671.35	4.95	9.89	+1.46
FW HTR E DRN T	375.24	375.88	374.50	.49	.98	+.26
FW HTR E LVG T	425.70	426.76	424.84	.68	1.36	+.32
O2 LVG AH (T)	4.33	4.37	4.30	.03	.06	+1.29
O2 LVG GR FAN (T)	4.41	5.58	4.21	.44	.89	+20.18
CO2 LVG AH (T)	3.78	3.78	3.78	0.00	0.00	+0.00
GAS TEMP LVG GR FA	0.00	0.00	0.00	0.00	0.00	+0.00
AIR ENT FD FAN	94.70	95.11	94.15	.36	.73	+.77
LOAD MW	82.48	83.04	81.77	.43	.87	+1.05
MAIN STEAM FLOW	564.26	569.54	557.02	3.87	7.75	+1.37
FW FLOW	554.97	564.49	548.72	5.06	10.11	+1.82
RH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
SH SPRAY FLOW	8.28	9.95	6.60	1.26	2.52	+30.43
SH SPRAY FLOW	11.95	13.38	10.67	.82	1.64	+13.74
GR FAN AMPS	0.00	0.00	0.00	0.00	0.00	+0.00
GR FAN AMPS	38.99	39.21	38.77	.15	.30	+.76
1st STG PRESS	747.00	753.56	740.99	4.73	9.46	+1.27
OIL FLOW 2A	.00	.00	0.00	.00	.00	+200.00
OIL FLOW 2B	.00	.00	.00	0.00	0.00	+0.00
OIL FLOW 2C	.00	.00	.00	0.00	0.00	+0.00
SSH OUT T	998.24	1003.31	991.51	3.87	7.73	+.77
SSH OUT T	998.60	1002.24	994.17	2.52	5.04	+.50
SSH OUT AVE T	997.97	1002.32	993.67	2.89	5.79	+.58
LVG SH ATTMP T	745.58	752.48	737.69	5.35	10.70	+1.44
LVG SH ATTMP T	736.72	740.20	734.81	2.04	4.08	+.55
ECON H2O IN T	428.82	429.52	427.32	.76	1.51	+.35
LVG RH T	1000.15	1002.80	996.93	2.01	4.02	+.40
COLD RH T	684.57	688.21	681.68	2.41	4.83	+.71
TURB THROT P	1450.18	1452.91	1447.17	1.67	3.34	+.23
DRUM PRESS	1530.62	1534.11	1527.15	2.21	4.43	+.29
LVG RH PRESS	304.47	306.63	301.78	1.71	3.43	+1.13
ENT RH PRESS	323.00	325.36	319.56	1.87	3.73	+1.16
O2 LVG ECON	3.25	3.31	3.16	.06	.11	+3.48
O2 LVG ECON	2.63	2.67	2.54	.05	.10	+3.67

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
CYC A COAL FLOW KL	23.01	23.55	22.30	.45	.90	+3.92
CYC B COAL FLOW KL	-.01	-.01	-.01	0.00	0.00	+0.00
CYC C COAL FLOW KL	22.98	23.54	22.29	.46	.92	+3.98
CYC A SEC AIR FLOW	214.01	220.24	206.66	4.37	8.74	+4.08
CYC B SEC AIR FLOW	2.61	3.74	1.84	.70	1.40	+53.47
CYC C SEC AIR FLOW	213.72	219.29	206.04	4.38	8.76	+4.10
CYC A SEC AIR T	525.12	527.65	523.63	1.26	2.51	+.48
CYC B SEC AIR T	554.18	557.15	551.59	2.06	4.12	+.74
CYC C SEC AIR T	522.61	525.57	520.46	1.94	3.88	+.74
RH SP VLV POS	-5.00	-5.00	-5.00	0.00	0.00	+0.00
SH SP VLV POS	51.15	54.02	48.60	1.58	3.15	+6.16
SH SF VLV POS	42.56	46.03	39.33	2.44	4.87	+11.45
~~GR DMPR DEMAND~~	~~60.06~~	~~60.06~~	~~60.06~~	~~0.00~~	~~0.00~~	~~+0.00~~
RECIRC AIR DMPR P	16.75	17.38	15.58	.54	1.08	+6.47
SH PASS DMPR P	39.07	46.63	28.50	5.84	11.67	+29.87
RH PASS DMPR P	100.00	100.00	100.00	0.00	0.00	+0.00
FURNACE GAS P IN	11.72	12.02	11.31	.24	.47	+4.02
AIR ENT AH T	157.21	158.19	156.41	.74	1.48	+.94
AIR ENT AH T	150.57	151.41	149.02	.71	1.43	+.95
AIR ENT AH T	184.94	186.16	180.71	1.66	3.32	+1.80
AIR ENT AH T	163.69	165.40	160.15	1.45	2.91	+1.78
GAS LVG AH T	293.04	293.58	292.73	.33	.66	+.23
GAS LVG AH T	279.83	280.79	277.90	1.07	2.13	+.76
GAS LVG AH T	274.59	275.55	273.41	.82	1.64	+.60
GAS LVG AH T	285.70	286.90	284.22	1.06	2.13	+.75
BRN SA/GR T	564.80	567.29	561.92	1.84	3.68	+.65
BRN SEC AIR T	566.86	570.34	563.76	2.34	4.68	+.83
GAS LVG RH PASS	615.07	618.52	608.47	3.70	7.39	+1.20
GAS LVG RH PASS	632.40	635.87	627.69	3.24	6.49	+1.03
GAS LVG RH PASS	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG RH PASS	678.13	683.82	666.82	5.62	11.24	+1.66
GAS LVG RH PASS	604.60	607.65	601.34	2.13	4.26	+.70
GAS LVG RH PASS	620.39	623.48	616.44	2.74	5.48	+.88
GAS LVG RH PASS	639.34	642.81	632.13	4.02	8.04	+1.26
GAS LVG RH PASS	638.64	643.16	630.03	4.30	8.59	+1.35
GAS LVG RH PASS	618.13	620.63	613.47	2.70	5.39	+.87
GAS LVG RH PASS	640.17	643.85	635.69	3.13	6.25	+.98
GAS LVG RH PASS	632.75	635.86	627.05	3.21	6.41	+1.01
GAS LVG RH PASS	648.61	651.87	644.38	2.55	5.09	+.79
GAS LVG SH PASS	-395.87	-377.84	-413.33	14.48	28.96	-7.32
GAS LVG SH PASS	619.21	625.58	610.35	5.81	11.61	+1.88
GAS LVG SH PASS	635.02	643.65	623.08	8.16	16.33	+2.57
GAS LVG SH PASS	669.36	678.95	653.55	10.37	20.75	+3.10
GAS LVG SH PASS	581.14	586.81	575.39	3.60	7.20	+1.24
GAS LVG SH PASS	597.75	603.99	590.80	4.91	9.81	+1.64
GAS LVG SH PASS	604.11	612.03	595.96	5.72	11.44	+1.89
GAS LVG SH PASS	648.04	654.27	638.21	6.78	13.55	+2.09
GAS LVG SH PASS	621.37	632.61	613.88	8.17	16.35	+2.63
GAS LVG SH PASS	616.86	622.81	607.59	5.42	10.84	+1.76
GAS LVG SH PASS	612.21	618.00	603.42	5.32	10.64	+1.74
GAS LVG SH PASS	-542.99	-532.06	-549.88	7.57	15.14	-2.79
OFA TEMP	540.07	542.15	538.18	1.51	3.02	+.56
PSH OUT LEG T	808.33	813.95	802.27	4.79	9.59	+1.19
PSH OUT LEG T	811.38	818.32	803.96	5.73	11.46	+1.41
PSH OUT LEG T	769.40	779.24	758.30	6.97	13.94	+1.81
PSH OUT LEG T	787.62	798.64	775.92	7.92	15.83	+2.01

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
PSH OUT LEG T	797.51	803.92	790.60	4.44	8.88	+1.11
PSH OUT LEG T	803.55	808.24	798.74	3.26	6.53	+.81
PSH OUT LEG T	790.58	798.69	784.03	6.11	12.21	+1.54
PSH OUT LEG T	818.69	826.48	812.80	5.55	11.11	+1.36
PSH OUT LEG T	796.66	806.65	787.07	7.40	14.80	+1.86
PSH OUT LEG T	808.12	814.10	802.64	4.26	8.51	+1.05
PSH OUT LEG T	818.06	823.51	813.57	3.83	7.67	+.94
PULV INLET T	514.55	517.12	511.56	1.92	3.83	+.74
PULV OUTLET T	160.22	161.57	158.19	1.17	2.34	+1.46
RH PEND IN LEG	945.30	948.20	942.39	2.59	5.17	+.55
RH PEND IN LEG	943.27	947.31	939.82	2.78	5.56	+.59
RH PEND IN LEG	941.94	944.75	938.87	2.55	5.09	+.54
RH PEND IN LEG	940.93	944.61	937.44	2.83	5.67	+.60
RH PEND IN LEG	0.00	0.00	0.00	0.00	0.00	+0.00
RH PEND IN LEG	962.86	966.20	958.86	3.16	6.33	+.66
RH PEND IN LEG	931.70	935.32	928.03	3.11	6.21	+.67
RH PEND IN LEG	930.94	935.54	926.98	3.59	7.18	+.77
RH PEND IN LEG	945.74	949.14	942.24	2.97	5.95	+.63
RH PEND IN LEG	885.81	889.37	882.65	2.74	5.47	+.62
SSH PEND IN LEG	845.30	849.32	840.86	2.91	5.82	+.69
SSH PEND IN LEG	865.73	868.52	862.13	2.17	4.34	+.50
SSH PEND IN LEG	862.92	864.74	860.55	1.41	2.81	+.33
SSH PEND IN LEG	868.56	870.72	866.85	1.18	2.37	+.27
SSH PEND IN LEG	838.60	841.96	836.65	2.04	4.08	+.49
SSH PEND IN LEG	880.11	884.87	877.17	2.66	5.32	+.60
SSH PEND IN LEG	892.08	897.24	885.06	3.99	7.98	+.89
SSH PEND IN LEG	885.28	890.29	877.77	4.12	8.24	+.93
SSH PEND IN LEG	883.82	888.31	875.97	4.39	8.78	+.99
SSH PEND IN LEG	852.14	857.65	843.67	4.88	9.76	+1.15
RH INTM HND HOLE	944.12	945.22	942.47	.91	1.82	+.19
RH INTM HND HOLE	835.46	836.75	834.03	.95	1.90	+.23
BRN GAS REC DMPR P	29.98	31.56	28.93	.80	1.60	+5.35
OVRFIRE AIR DMPR P	37.15	37.89	36.60	.39	.78	+2.09
BRN SEC AIR DMPR P	21.96	22.23	21.68	.18	.37	+1.68
FLAME INTENSITY #1	106.14	106.19	0.00	53.07	106.14	+100.00
FLAME INTENSITY #2	105.53	105.73	105.34	.12	.25	+.24
FLAME INTENSITY #3	106.14	106.19	0.00	75.05	150.11	+141.42
FLAME INTENSITY #4	105.74	105.93	105.55	.14	.27	+.26
PULV DIFF P IN WG	13.93	14.03	13.84	.06	.12	+.86
PULV AMPS	264.21	265.82	261.94	1.40	2.81	+1.06
ROT CLASS AMPS	46.28	46.63	46.14	.16	.32	+.68
PULV PA FAN AMPS	65.86	67.76	64.39	1.16	2.33	+3.53
PULV PA FLOW	54.92	55.33	54.51	.34	.67	+1.22
SEC AIR FLOW	31.32	31.60	31.12	.16	.32	+1.02
OFA AIR FLOW	174.07	177.85	170.75	2.65	5.31	+3.05
GR TO SEC AIR	11.67	11.87	11.54	.10	.20	+1.71
BRN SEC AIR P IN	13.60	13.87	13.13	.23	.46	+3.40
O2 IN SEC AIR	16.09	16.16	16.05	.04	.08	+.48
BRN GAS REC P IN	13.49	13.78	13.00	.27	.54	+3.97
ROT CLASS RPM	163.20	163.24	163.15	.03	.06	+.04
PULV COAL FLOW KL	24.17	24.45	23.88	.22	.45	+1.85
ACCUREX CO PPM	43.30	46.61	40.84	2.09	4.19	+9.67
ACCUREX NOX PPM	284.75	293.37	276.32	5.64	11.28	+3.96
ACCUREX O2 %	2.89	2.92	2.86	.02	.05	+1.57
ACCUREX SOX PPM	1113.31	1121.73	1103.85	6.97	13.95	+1.25
COAL SILO LEVEL	53.89	58.31	47.08	4.45	8.90	+16.51
ROT CLASS DP IN WG	.52	.53	.52	.00	.01	+1.64
HOT PRI AIR DMPR P	99.50	99.77	99.08	.23	.46	+.47
AIR LVG FD FAN T	129.62	130.08	129.05	.40	.81	+.62
AIR LVG FD FAN T	128.55	129.18	127.83	.54	1.07	+.83

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
FW HTR E ENT P	310.57	313.37	307.39	1.78	3.57	+1.15
BAROMETRIC P IN	29.36	29.37	29.36	.00	.01	+.03
REL HUMIDITY %	17.45	18.16	16.19	.78	1.57	+8.99
GAS LVG ECON (T)	650.97	653.18	646.64	2.54	5.09	+.78
GAS LVG ECON (T)	634.14	642.16	626.75	5.66	11.32	+1.79
GAS LVG AH (T)	275.76	276.59	274.31	.78	1.56	+.57
AIR ENT AH (T)	166.88	167.35	165.88	.49	.98	+.59
1ST STG STM FLW	542.90	547.49	538.69	3.31	6.62	+1.22
BLOW DOWN FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
GR FAN BUS VOLT	4160.00	4160.00	4160.00	0.00	0.00	+0.00
TOTAL GR FLOW	227.71	230.44	0.00	80.53	161.05	+70.73
GR TO SEC AIR	11.97	12.58	0.00	4.24	8.48	+70.84
GR TO FURN	216.62	219.26	0.00	76.61	153.21	+70.73
TMP AIR FLOW	26.17	50.99	0.00	19.94	39.88	+152.38
% PWDR RVR BASN CO	0.00	0.00	0.00	0.00	0.00	+0.00
CYCLONE STOIC	1.09	1.13	0.00	.39	.77	+70.94
REBRN WB STOIC	.45	.45	0.00	.16	.32	+70.72
REBRN STOIC	.85	.86	0.00	.30	.60	+70.72
LVG FURN STOIC	1.15	1.15	0.00	.40	.81	+70.71
LVG ECON STOIC	1.16	1.16	0.00	.41	.82	+70.71
AMBIENT AIR DB TEM	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG PH PS T	633.16	635.96	0.00	223.88	447.76	+70.72
GAS LVG SH PS T	620.13	627.13	0.00	219.32	438.65	+70.74
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	+0.00
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	+0.00
DRY BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	+0.00
WET BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	+0.00
AIR ENT AH P	0.00	0.00	0.00	0.00	0.00	+0.00
AIR LVG AH P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG SSH PLAT P	0.00	0.00	0.00	0.00	0.00	+0.00
ENT PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	+0.00
GAS ENT AH P	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG AH P	0.00	0.00	0.00	0.00	0.00	+0.00
SEC SH OUT P	0.00	0.00	0.00	0.00	0.00	+0.00

TEST F9 : 54 MW CYCLONES AT SAME LOAD AS 82 MW W/RBN

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
O2 LVG ECON (T)	3.71	3.81	3.61	.06	.11	+3.01
O2 LVG ECON (T)	3.67	3.80	3.59	.06	.12	+3.39
CO2 LVG ECON (T)	16.22	16.51	15.95	.20	.39	+2.41
CO2 LVG ECON (T)	14.68	14.88	14.54	.11	.23	+1.55
CO LVG ECON (T)	66.26	70.13	57.33	4.42	8.84	+13.35
CO LVG ECON (T)	48.94	51.79	46.48	1.73	3.47	+7.09
NOX LVG ECON (T)	466.68	480.37	450.41	10.15	20.31	+4.35
NOX LVG ECON (T)	485.37	509.24	452.59	19.44	38.88	+8.01
DRUM PRESS (T)	1451.48	1452.35	1450.23	.63	1.26	+.09
ENT RH-1 P (T)	0.00	0.00	0.00	0.00	0.00	+0.00
LVG RH-1 P (T)	200.09	202.32	196.44	2.06	4.13	+2.06
SEC SH OUT P (T)	1446.82	1448.61	1445.71	.88	1.77	+.12
FW HTR E EXT P	201.66	203.98	197.92	2.13	4.26	+2.11
ECON H2O OUT T	478.62	479.57	477.48	.70	1.41	+.29
ECON H2O OUT T	448.95	450.14	448.07	.70	1.41	+.31
AMBIENT AIR TEMP	113.48	115.80	111.11	1.75	3.50	+3.08
PRI SH OUT T	719.64	725.99	715.31	4.15	8.31	+1.15
PRI SH OUT T	731.96	737.75	728.70	3.30	6.60	+.90
AIR LVG AH T	525.89	530.14	520.03	3.10	6.20	+1.18
AIR LVG AH T	540.41	544.35	537.82	1.91	3.83	+.71
AIR LVG FD FAN T	137.71	139.96	136.08	1.28	2.55	+1.85
AIR LVG FD FAN T	136.73	138.92	134.77	1.44	2.88	+2.11
RH SPRAY H2O T	267.68	268.16	266.83	.42	.84	+.31
FW HTR E ENT T	328.93	329.48	327.92	.57	1.15	+.35
FW HTR E EXT T	604.14	609.90	598.05	4.82	9.65	+1.60
ENT RH T	595.37	606.94	588.79	5.98	11.95	+2.01
FW HTR E DRN T	345.97	346.56	344.95	.59	1.18	+.34
FW HTR E LVG T	388.36	389.21	386.66	.86	1.72	+.44
O2 LVG AH (T)	5.47	5.60	5.39	.06	.12	+2.18
O2 LVG GR FAN (T)	5.37	5.50	5.29	.06	.12	+2.23
CO2 LVG AH (T)	3.78	3.78	3.78	0.00	0.00	+0.00
GAS TEMP LVG GR FA	0.00	0.00	0.00	0.00	0.00	+0.00
AIR ENT FD FAN	95.05	96.67	93.50	1.04	2.09	+2.20
LOAD MW	54.02	54.58	53.31	.42	.84	+1.56
MAIN STEAM FLOW	362.43	366.85	357.75	3.09	6.18	+1.70
FW FLOW	376.26	380.67	367.39	4.44	8.87	+2.36
RH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
SH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
SH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
GR FAN AMPS	42.74	43.06	42.52	.18	.37	+.86
GR FAN AMPS	.06	.06	.06	0.00	0.00	+0.00
1st STG PRESS	483.04	487.45	474.31	4.55	9.11	+1.89
OIL FLOW 2A	.00	.00	.00	0.00	0.00	+0.00
OIL FLOW 2B	.00	.00	.00	0.00	0.00	+0.00
OIL FLOW 2C	.00	.00	.00	0.00	0.00	+0.00
SSH OUT T	957.40	964.20	948.71	5.74	11.47	+1.20
SSH OUT T	957.48	972.40	946.49	8.86	17.73	+1.85
SSH OUT AVE T	955.37	964.41	947.87	6.22	12.44	+1.30
LVG SH ATTMP T	724.39	732.00	719.78	4.35	8.70	+1.20
LVG SH ATTMP T	736.03	742.79	732.01	3.85	7.70	+1.05
ECON H2O IN T	390.72	391.58	389.38	.73	1.46	+.37
LVG RH T	927.97	932.11	922.28	3.41	6.83	+.74
COLD RH T	607.19	613.38	601.35	4.97	9.95	+1.64
TURB THROT P	1450.01	1451.07	1449.31	.48	.97	+.07
DRUM PRESS	1484.30	1485.33	1482.38	.81	1.62	+.11
LVG RH PRESS	197.95	199.89	194.32	2.00	3.99	+2.02
ENT RH PRESS	207.53	209.78	203.75	1.98	3.95	+1.90
O2 LVG ECON	3.70	3.83	3.61	.06	.12	+3.13
O2 LVG ECON	3.61	3.67	3.54	.05	.09	+2.58

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
CYC A COAL FLOW KL	23.05	23.39	22.26	.35	.70	+3.03
CYC B COAL FLOW KL	-.01	-.01	-.01	0.00	0.00	+0.00
CYC C COAL FLOW KL	23.07	23.40	22.26	.35	.71	+3.07
CYC A SEC AIR FLOW	210.50	213.99	207.31	2.02	4.04	+1.92
CYC B SEC AIR FLOW	1.67	2.41	.86	.40	.80	+48.14
CYC C SEC AIR FLOW	210.52	214.94	206.56	2.61	5.21	+2.48
CYC A SEC AIR T	491.83	500.87	485.36	4.86	9.71	+1.97
CYC B SEC AIR T	534.33	546.70	527.49	5.99	11.98	+2.24
CYC C SEC AIR T	512.85	520.92	506.82	4.24	8.47	+1.65
RH SP VLV POS	-4.94	-4.35	-5.00	.19	.39	-7.87
SH SP VLV POS	0.00	0.00	0.00	0.00	0.00	+0.00
~~SH SP VLV POS~~	~~0.00~~	~~0.00~~	~~0.00~~	~~0.00~~	~~0.00~~	~~+0.00~~
GR DMPR DEMAND	105.00	105.00	105.00	0.00	0.00	+0.00
RECIRC AIR DMPR P	11.05	12.57	9.16	1.23	2.47	+22.34
SH PASS DMPR P	.02	.03	0.00	.02	.03	+160.62
RH PASS DMPR P	100.00	100.00	100.00	0.00	0.00	+0.00
FURNACE GAS P IN	7.62	7.72	7.40	.10	.20	+2.56
AIR ENT AH T	162.00	170.01	153.09	5.42	10.84	+6.69
AIR ENT AH T	162.74	166.82	159.44	2.09	4.18	+2.57
AIR ENT AH T	186.64	193.64	177.92	4.69	9.37	+5.02
AIR ENT AH T	174.13	184.83	159.59	8.03	16.05	+9.22
GAS LVG AH T	288.35	296.69	280.80	5.25	10.51	+3.64
GAS LVG AH T	271.02	279.70	263.20	5.57	11.15	+4.11
GAS LVG AH T	281.31	287.50	276.07	3.81	7.62	+2.71
GAS LVG AH T	289.59	295.72	284.30	3.92	7.84	+2.71
BRN SA/GR T	506.36	510.37	504.25	1.85	3.71	+.73
BRN SEC AIR T	531.02	537.34	527.21	3.09	6.19	+1.16
GAS LVG RH PASS	592.27	595.35	586.69	2.95	5.91	+1.00
GAS LVG RH PASS	604.25	606.84	601.19	1.81	3.62	+.60
GAS LVG RH PASS	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG RH PASS	614.98	620.82	611.04	2.83	5.65	+.92
GAS LVG RH PASS	581.86	584.50	577.64	2.34	4.67	+.80
GAS LVG RH PASS	593.38	596.12	586.86	3.01	6.02	+1.02
GAS LVG RH PASS	597.51	603.44	591.67	3.26	6.52	+1.09
GAS LVG RH PASS	585.31	588.26	583.42	1.64	3.28	+.56
GAS LVG RH PASS	591.94	593.62	589.04	1.75	3.49	+.59
GAS LVG RH PASS	603.02	605.77	597.50	2.96	5.91	+.98
GAS LVG RH PASS	594.87	596.93	591.44	1.72	3.45	+.58
GAS LVG RH PASS	596.07	598.65	594.97	1.35	2.70	+.45
GAS LVG SH PASS	-289.91	-276.80	-305.37	9.86	19.73	-6.81
GAS LVG SH PASS	517.25	519.46	514.51	1.49	2.99	+.58
GAS LVG SH PASS	520.25	523.12	516.74	1.88	3.77	+.72
GAS LVG SH PASS	539.49	541.94	535.61	1.97	3.95	+.73
GAS LVG SH PASS	494.64	495.88	492.24	1.19	2.39	+.48
GAS LVG SH PASS	502.03	507.01	497.03	3.28	6.55	+1.31
GAS LVG SH PASS	503.79	505.34	501.16	1.33	2.66	+.53
GAS LVG SH PASS	532.66	535.10	529.26	1.90	3.80	+.71
GAS LVG SH PASS	524.39	527.41	521.93	1.69	3.38	+.64
GAS LVG SH PASS	520.46	521.54	517.88	1.16	2.31	+.44
GAS LVG SH PASS	516.33	517.86	514.69	.96	1.93	+.37
GAS LVG SH PASS	-415.00	-411.61	-417.77	2.05	4.10	-.99
OFA TEMP	473.68	485.37	464.96	6.61	13.21	+2.79
PSH OUT LEG T	740.47	745.70	735.72	4.12	8.24	+1.11
PSH OUT LEG T	740.93	747.07	735.82	4.64	9.28	+1.25
PSH OUT LEG T	710.92	718.48	706.06	4.59	9.19	+1.29
PSH OUT LEG T	720.08	726.71	715.99	3.83	7.66	+1.06

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
PSH OUT LEG T	730.60	736.68	726.89	3.37	6.75	+.92
PSH OUT LEG T	741.43	747.71	737.17	3.94	7.87	+1.06
PSH OUT LEG T	721.84	729.68	716.76	4.89	9.78	+1.35
PSH OUT LEG T	748.06	755.33	743.42	4.26	8.52	+1.14
PSH OUT LEG T	723.21	730.21	718.91	4.00	7.99	+1.11
PSH OUT LEG T	743.93	748.17	740.97	2.62	5.23	+.70
PSH OUT LEG T	748.38	752.16	745.57	2.41	4.82	+.64
PULV INLET T	105.93	108.22	103.98	1.43	2.86	+2.70
PULV OUTLET T	113.75	115.23	112.38	.92	1.84	+1.62
RH PEND IN LEG	871.89	875.76	866.93	2.85	5.70	+.65
RH PEND IN LEG	859.93	863.88	856.61	2.37	4.75	+.55
RH PEND IN LEG	866.32	870.21	861.77	2.74	5.47	+.63
RH PEND IN LEG	861.43	865.53	857.49	2.60	5.20	+.60
RH PEND IN LEG	0.00	0.00	0.00	0.00	0.00	+0.00
RH PEND IN LEG	889.15	893.90	883.69	3.24	6.47	+.73
RH PEND IN LEG	865.99	870.78	860.12	3.75	7.50	+.87
RH PEND IN LEG	875.93	880.21	870.66	3.58	7.16	+.82
RH PEND IN LEG	871.66	875.82	866.86	2.86	5.71	+.66
RH PEND IN LEG	855.50	862.00	842.91	6.21	12.42	+1.45
SSH PEND IN LEG	854.83	866.44	847.56	6.57	13.14	+1.54
SSH PEND IN LEG	865.45	880.95	855.43	9.20	18.41	+2.13
SSH PEND IN LEG	854.71	867.74	845.80	7.52	15.05	+1.76
SSH PEND IN LEG	859.45	868.75	852.40	5.26	10.51	+1.22
SSH PEND IN LEG	826.14	832.05	821.40	3.25	6.51	+.79
SSH PEND IN LEG	854.65	859.94	851.74	2.79	5.58	+.65
SSH PEND IN LEG	852.29	859.34	847.20	4.37	8.74	+1.03
SSH PEND IN LEG	851.49	859.66	844.33	5.61	11.22	+1.32
SSH PEND IN LEG	860.08	869.10	852.54	6.06	12.12	+1.41
SSH PEND IN LEG	847.42	856.51	832.56	7.91	15.82	+1.87
RH INTM HND HOLE	872.97	883.27	866.78	4.59	9.17	+1.05
RH INTM HND HOLE	802.45	808.86	795.10	4.01	8.02	+1.00
BRN GAS REC DMPR P	0.00	0.00	0.00	0.00	0.00	+0.00
OVRFIRE AIR DMPR P	5.00	5.00	5.00	0.00	0.00	+0.00
BRN SEC AIR DMPR P	19.59	20.01	19.31	.20	.40	+2.02
FLAME INTENSITY #1	1.78	2.36	1.39	.33	.65	+36.44
FLAME INTENSITY #2	.98	1.16	.90	.08	.17	+17.17
FLAME INTENSITY #3	1.10	1.57	.77	.26	.52	+47.51
FLAME INTENSITY #4	1.52	2.32	1.06	.40	.80	+52.51
PULV DIFF P IN WG	-.01	-.01	-.01	.00	.00	-.00
PULV AMPS	-.13	-.13	-.13	.00	.00	-.00
ROT CLASS AMPS	.03	.03	.03	.00	.00	+.00
PULV PA FAN AMPS	.06	.06	0.00	.04	.07	+126.49
PULV PA FLOW	1.50	1.61	1.25	.11	.21	+14.27
SEC AIR FLOW	31.22	31.48	30.97	.16	.33	+1.04
OFA AIR FLOW	27.47	27.92	27.18	.20	.40	+1.47
GR TO SEC AIR	3.04	3.16	2.96	.07	.14	+4.51
BRN SEC AIR P IN	7.77	7.96	7.62	.12	.24	+3.13
O2 IN SEC AIR	19.47	19.50	19.42	.03	.05	+.28
BRN GAS REC P IN	7.60	7.78	7.41	.11	.23	+2.99
ROT CLASS RPM	-.29	-.29	-.29	.00	.00	-.00
PULV COAL FLOW KL	.07	.07	.07	.00	.00	+.00
ACCUREX CO PPM	26.43	31.80	15.13	5.15	10.30	+38.98
ACCUREX NOX PPM	448.74	466.52	422.48	15.11	30.21	+6.73
ACCUREX O2 %	3.45	3.51	3.36	.06	.11	+3.30
ACCUREX SOX PPM	1133.29	1145.03	1106.27	10.33	20.65	+1.82
COAL SILO LEVEL	93.63	93.84	93.52	.10	.19	+.21
ROT CLASS DP IN WG	.00	.00	.00	.00	.00	+12.04
HOT PRI AIR DMPR P	0.00	0.00	0.00	0.00	0.00	+0.00
AIR LVG FD FAN T	135.82	137.74	134.24	1.15	2.29	+1.69
AIR LVG FD FAN T	134.52	136.63	132.45	1.34	2.67	+1.99

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
FW HTR E EXT P	200.26	202.48	196.20	1.99	3.99	+1.99
BAROMETRIC P IN	29.22	29.22	29.21	.00	.01	+.02
REL HUMIDITY %	21.02	21.86	20.28	.51	1.02	+4.86
GAS LVG ECON (T)	613.69	616.10	610.13	1.87	3.74	+.61
GAS LVG ECON (T)	547.49	548.43	545.35	.95	1.90	+.35
GAS LVG RH (T)	275.09	281.14	269.93	3.91	7.81	+2.84
AIR ENT RH (T)	172.41	177.92	164.80	4.52	9.05	+5.25
1ST STG STM FLW	358.13	361.22	352.02	3.19	6.37	+1.78
BLOW DOWN FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
GR FAN BUS VOLT	4160.00	4160.00	4160.00	0.00	0.00	+0.00
TOTAL GR FLOW	266.64	270.44	264.09	2.23	4.45	+1.67
GR TO SEC AIR	2.70	2.84	2.63	.07	.14	+5.12
GR TO FURN	264.21	267.89	261.65	2.17	4.35	+1.65
TMP AIR FLOW	55.21	58.71	48.49	4.17	8.33	+15.09
% PWDR RVR BASN CO	0.00	0.00	0.00	0.00	0.00	+0.00
CYCLONE STOIC	1.03	1.05	1.02	.01	.02	+1.89
REBRN WB STOIC	100.00	100.00	100.00	0.00	0.00	+0.00
REBRN STOIC	1.12	1.12	1.12	.00	.00	+.44
LVG FURN STOIC	1.19	1.19	1.18	.00	.00	+.42
LVG ECON STOIC	1.20	1.21	1.20	.00	.01	+.43
AMBIENT AIR DB TEM	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG RH PS T	595.95	598.42	592.49	1.85	3.69	+.62
GAS LVG SH PS T	517.13	518.78	514.40	1.37	2.75	+.53
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	+0.00
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	+0.00
DRY BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	+0.00
WET BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	+0.00
AIR ENT RH P	0.00	0.00	0.00	0.00	0.00	+0.00
AIR LVG RH P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG SSH PLAT P	0.00	0.00	0.00	0.00	0.00	+0.00
ENT PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	+0.00
GAS ENT RH P	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG RH P	0.00	0.00	0.00	0.00	0.00	+0.00
SEC SH OUT P	0.00	0.00	0.00	0.00	0.00	+0.00

TEST F10 : 82 MW WITH REBURN

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
O2 LVG ECON (T)	2.86	3.05	2.78	.09	.18	+6.13
O2 LVG ECON (T)	3.08	3.18	2.95	.08	.16	+5.07
CO2 LVG ECON (T)	17.08	17.16	16.90	.08	.16	+.94
CO2 LVG ECON (T)	14.99	15.10	14.93	.06	.12	+.82
CO LVG ECON (T)	170.06	218.22	121.95	35.58	71.16	+41.84
CO LVG ECON (T)	66.10	73.83	56.46	6.06	12.11	+18.33
NOX LVG ECON (T)	248.71	257.10	243.91	4.39	8.77	+3.53
NOX LVG ECON (T)	282.67	288.62	276.69	4.67	9.34	+3.30
DRUM PRESS (T)	1498.20	1501.95	1495.48	2.55	5.10	+.34
ENT RH-1 P (T)	0.00	0.00	0.00	0.00	0.00	+0.00
LVG RH-1 P (T)	308.50	314.42	304.08	4.12	8.25	+2.67
SEC SH OUT P (T)	1461.42	1462.90	1459.97	1.10	2.20	+.15
FW HTR E EXT P	312.61	318.52	308.26	4.13	8.25	+2.64
ECON H2O OUT T	498.51	500.60	496.12	1.68	3.36	+.67
ECON H2O OUT T	465.71	471.53	462.08	3.16	6.31	+1.36
AMBIENT AIR TEMP	110.88	111.38	110.31	.34	.69	+.62
PRI SH OUT T	709.32	725.00	696.21	8.78	17.57	+2.48
PRI SH OUT T	737.09	754.33	721.74	10.07	20.13	+2.73
AIR LVG AH T	547.18	551.97	536.62	5.63	11.25	+2.06
AIR LVG AH T	577.27	581.30	569.89	4.04	8.08	+1.40
AIR LVG FD FAN T	131.35	131.53	131.03	.18	.35	+.27
AIR LVG FD FAN T	130.18	130.27	129.96	.10	.20	+.16
RH SPRAY H2O T	294.15	295.22	293.27	.78	1.56	+.53
FW HTR E ENT T	359.35	360.18	358.73	.61	1.22	+.34
FW HTR E EXT T	666.41	680.06	651.51	9.32	18.64	+2.80
ENT RH T	658.43	672.00	643.63	9.19	18.37	+2.79
FW HTR E DRN T	376.48	377.46	375.35	.64	1.27	+.34
FW HTR E LVG T	425.70	426.88	424.83	.83	1.66	+.39
O2 LVG AH (T)	4.25	4.38	4.18	.06	.12	+2.72
O2 LVG GR FAN (T)	4.13	4.26	4.06	.06	.11	+2.74
CO2 LVG AH (T)	3.78	3.78	3.78	0.00	0.00	+0.00
GAS TEMP LVG GR FA	0.00	0.00	0.00	0.00	0.00	+0.00
AIR ENT FD FAN	93.05	93.63	92.38	.49	.97	+1.04
LOAD MW	82.39	83.13	81.72	.55	1.10	+1.33
MAIN STEAM FLOW	568.28	581.46	559.63	8.64	17.28	+3.04
FW FLOW	562.64	576.52	550.46	9.75	19.49	+3.46
RH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
SH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
SH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
GR FAN AMPS	31.59	32.71	28.79	1.31	2.62	+8.29
GR FAN AMPS	.06	.06	.06	0.00	0.00	+0.00
1st STG PRESS	753.37	768.47	743.36	10.66	21.32	+2.83
OIL FLOW 2A	.00	.00	0.00	.00	.00	+94.28
OIL FLOW 2B	.00	.00	.00	0.00	0.00	+0.00
OIL FLOW 2C	.00	.00	.00	0.00	0.00	+0.00
SSH OUT T	989.65	1006.60	971.48	11.73	23.46	+2.37
SSH OUT T	965.58	986.64	940.24	14.75	29.50	+3.06
SSH OUT AVE T	980.20	999.47	958.26	13.41	26.82	+2.74
LVG SH ATTMP T	713.47	729.48	699.59	9.40	18.80	+2.64
LVG SH ATTMP T	740.91	758.42	724.95	10.78	21.56	+2.91
ECON H2O IN T	428.25	429.27	427.28	.88	1.77	+.41
LVG RH T	990.99	1004.06	969.85	12.49	24.97	+2.52
COLD RH T	669.49	683.15	654.63	9.23	18.45	+2.76
TURB THROT P	1449.98	1450.97	1449.21	.52	1.05	+.07
DRUM PRESS	1531.77	1535.88	1528.71	2.63	5.26	+.34
LVG RH PRESS	305.79	311.98	301.55	4.07	8.15	+2.66
ENT RH PRESS	323.57	330.14	318.21	4.50	9.00	+2.78
O2 LVG ECON	3.04	3.16	2.91	.07	.14	+4.55
O2 LVG ECON	2.49	2.70	2.36	.11	.22	+8.69

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
CYC A COAL FLOW KL	22.98	23.71	22.30	.53	1.06	+4.62
CYC B COAL FLOW KL	-.01	-.01	-.01	0.00	0.00	+0.00
CYC C COAL FLOW KL	23.00	23.72	22.32	.53	1.07	+4.64
CYC A SEC AIR FLOW	214.82	222.30	208.86	5.17	10.34	+4.82
CYC B SEC AIR FLOW	2.21	3.11	1.41	.64	1.28	+58.08
CYC C SEC AIR FLOW	215.50	222.96	209.56	5.39	10.78	+5.00
CYC A SEC AIR T	493.26	500.49	485.38	5.14	10.28	+2.08
CYC B SEC AIR T	564.47	569.45	555.66	4.96	9.92	+1.76
CYC C SEC AIR T	536.33	540.77	529.28	4.03	8.05	+1.50
RH SP VLV POS	-5.00	-5.00	-5.00	0.00	0.00	+0.00
SH SP VLV POS	0.00	0.00	0.00	0.00	0.00	+0.00
SH SP VLV POS	0.00	0.00	0.00	0.00	0.00	+0.00
~~GR DMPR DEMAND~~	~~40.12~~	~~42.10~~	~~31.61~~	~~3.84~~	~~7.68~~	~~+19.13~~
RECIRC AIR DMPR P	19.64	20.40	18.85	.49	.98	+4.98
SH PASS DMPR P	9.99	21.88	1.28	6.38	12.77	+127.82
RH PASS DMPR P	100.00	100.00	100.00	0.00	0.00	+0.00
FURNACE GAS P IN	12.40	12.96	11.72	.41	.82	+6.65
AIR ENT AH T	167.11	168.49	165.53	1.15	2.30	+1.38
AIR ENT AH T	152.06	152.27	151.90	.14	.28	+.18
AIR ENT AH T	191.27	192.26	190.48	.67	1.35	+.70
AIR ENT AH T	172.06	173.11	170.81	.77	1.54	+.90
GAS LVG AH T	283.60	285.37	282.36	1.09	2.18	+.77
GAS LVG AH T	273.07	274.49	272.18	.79	1.58	+.58
GAS LVG AH T	279.97	281.92	278.25	1.31	2.62	+.94
GAS LVG AH T	291.18	293.22	289.12	1.46	2.92	+1.00
BRN SA/GR T	567.59	573.28	556.41	6.00	11.99	+2.11
BRN SEC AIR T	575.98	580.58	568.23	4.37	8.74	+1.52
GAS LVG RH PASS	659.49	666.22	652.26	4.94	9.88	+1.50
GAS LVG RH PASS	672.93	678.45	664.91	4.84	9.68	+1.44
GAS LVG RH PASS	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG RH PASS	699.78	705.21	687.93	5.77	11.55	+1.65
GAS LVG RH PASS	631.98	638.77	624.55	4.76	9.52	+1.51
GAS LVG RH PASS	655.20	661.36	648.47	4.71	9.43	+1.44
GAS LVG RH PASS	667.52	671.82	661.00	3.77	7.54	+1.13
GAS LVG RH PASS	656.84	661.66	646.12	5.24	10.48	+1.60
GAS LVG RH PASS	647.74	653.25	641.84	3.91	7.81	+1.21
GAS LVG RH PASS	666.08	670.04	659.65	3.60	7.20	+1.08
GAS LVG RH PASS	659.16	664.50	651.27	4.46	8.93	+1.35
GAS LVG RH PASS	660.10	665.23	648.43	5.83	11.66	+1.77
GAS LVG SH PASS	-336.10	-326.23	-358.02	9.77	19.55	-5.82
GAS LVG SH PASS	566.04	585.47	553.79	10.09	20.18	+3.56
GAS LVG SH PASS	581.37	605.57	566.30	12.44	24.88	+4.28
GAS LVG SH PASS	602.38	632.26	583.44	15.35	30.70	+5.10
GAS LVG SH PASS	537.90	552.43	528.74	7.55	15.10	+2.81
GAS LVG SH PASS	551.60	567.36	542.19	8.00	16.00	+2.90
GAS LVG SH PASS	555.80	575.08	542.11	10.12	20.25	+3.64
GAS LVG SH PASS	593.20	617.57	576.22	12.78	25.56	+4.31
GAS LVG SH PASS	561.58	578.50	551.70	8.44	16.88	+3.01
GAS LVG SH PASS	565.17	584.26	553.35	9.64	19.28	+3.41
GAS LVG SH PASS	565.27	584.57	553.18	9.81	19.61	+3.47
GAS LVG SH PASS	-479.27	-459.98	-509.63	15.45	30.89	-6.45
OFA TEMP	540.84	545.78	532.14	4.85	9.70	+1.79
PSH OUT LEG T	738.44	751.76	725.71	8.66	17.31	+2.34
PSH OUT LEG T	740.65	754.77	727.46	9.03	18.06	+2.44
PSH OUT LEG T	686.83	699.26	676.66	7.09	14.18	+2.06
PSH OUT LEG T	701.43	716.34	689.76	8.45	16.89	+2.41

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
PSH OUT LEG T	728.96	743.67	715.17	9.06	18.11	+2.48
PSH OUT LEG T	741.79	754.49	728.91	8.27	16.55	+2.23
PSH OUT LEG T	712.71	727.00	701.01	8.35	16.69	+2.34
PSH OUT LEG T	754.68	769.56	740.37	9.45	18.91	+2.51
PSH OUT LEG T	721.40	738.28	707.93	9.75	19.50	+2.70
PSH OUT LEG T	752.42	767.82	737.42	9.90	19.80	+2.63
PSH OUT LEG T	763.10	780.75	746.19	11.25	22.51	+2.95
PULV INLET T	516.11	521.46	505.27	5.81	11.62	+2.25
PULV OUTLET T	156.44	162.76	146.93	5.43	10.85	+6.94
RH PEND IN LEG	934.67	948.22	913.46	12.51	25.02	+2.68
RH PEND IN LEG	926.54	942.83	903.34	13.60	27.19	+2.93
~~RH PEND IN LEG~~	~~929.15~~	~~943.75~~	~~907.18~~	~~12.95~~	~~25.91~~	~~+2.79~~
RH PEND IN LEG	926.03	941.62	903.35	13.35	26.70	+2.88
RH PEND IN LEG	0.00	0.00	0.00	0.00	0.00	+0.00
RH PEND IN LEG	957.36	968.76	937.42	11.45	22.91	+2.39
RH PEND IN LEG	926.04	936.58	907.59	10.39	20.78	+2.24
RH PEND IN LEG	932.00	940.97	913.34	10.23	20.46	+2.20
RH PEND IN LEG	936.07	949.45	914.50	12.44	24.88	+2.66
RH PEND IN LEG	896.96	907.14	878.97	9.90	19.80	+2.21
SSH PEND IN LEG	826.33	841.55	809.02	9.85	19.70	+2.38
SSH PEND IN LEG	846.35	861.82	827.77	10.39	20.79	+2.46
SSH PEND IN LEG	851.14	869.33	830.89	12.13	24.26	+2.85
SSH PEND IN LEG	869.31	890.74	847.39	13.96	27.93	+3.21
SSH PEND IN LEG	845.74	867.40	825.23	13.67	27.33	+3.23
SSH PEND IN LEG	875.14	896.40	857.21	12.71	25.42	+2.90
SSH PEND IN LEG	864.67	884.45	849.50	11.16	22.32	+2.58
SSH PEND IN LEG	860.17	877.21	845.69	10.02	20.04	+2.33
SSH PEND IN LEG	859.76	873.68	843.81	9.72	19.44	+2.26
SSH PEND IN LEG	833.04	845.68	815.79	9.52	19.04	+2.29
RH INTM HND HOLE	929.09	944.40	908.10	13.31	26.61	+2.86
RH INTM HND HOLE	833.77	842.99	817.82	9.47	18.94	+2.27
BRN GAS REC DMPR P	28.88	30.05	27.82	.79	1.58	+5.48
OVRFIRE AIR DMPR P	37.58	38.03	37.10	.26	.52	+1.39
BRN SEC AIR DMPR P	22.60	22.97	21.84	.42	.84	+3.72
FLAME INTENSITY #1	106.02	106.16	105.72	.15	.29	+.28
FLAME INTENSITY #2	105.28	105.45	104.96	.14	.28	+.27
FLAME INTENSITY #3	106.10	106.16	0.00	61.26	122.52	+115.47
FLAME INTENSITY #4	105.31	105.59	105.13	.15	.30	+.29
PULV DIFF P IN WG	11.91	12.37	11.04	.42	.84	+7.09
PULV AMPS	248.30	250.52	244.80	1.61	3.23	+1.30
ROT CLASS AMPS	44.60	44.90	44.36	.17	.33	+.75
PULV PA FAN AMPS	61.58	63.04	60.06	.96	1.93	+3.13
PULV PA FLOW	54.85	55.47	54.44	.35	.70	+1.27
SEC AIR FLOW	31.42	31.55	31.25	.08	.16	+.51
OFA AIR FLOW	175.28	178.11	170.17	2.54	5.07	+2.89
GR TO SEC AIR	11.90	12.09	11.69	.14	.28	+2.39
BRN SEC AIR P IN	14.57	15.01	14.06	.35	.71	+4.84
O2 IN SEC AIR	15.99	16.08	15.93	.05	.09	+.58
BRN GAS REC P IN	14.47	14.96	13.94	.34	.68	+4.73
ROT CLASS RPM	162.24	162.93	161.89	.38	.75	+.46
PULV COAL FLOW KL	24.10	24.53	23.80	.28	.55	+2.29
ACCUREX CO PPM	63.81	90.55	40.63	19.40	38.80	+60.80
ACCUREX NOX PPM	251.00	255.87	246.35	3.20	6.41	+2.55
ACCUREX O2 %	2.68	2.84	2.62	.07	.13	+4.87
ACCUREX SOX PPM	1126.67	1139.10	1112.60	10.23	20.46	+1.82
COAL SILO LEVEL	83.16	87.40	78.58	2.91	5.82	+7.00
ROT CLASS DP IN WG	.51	.52	.50	.01	.01	+2.91
HOT PRI AIR DMPR P	99.70	100.00	99.45	.22	.44	+.45
AIR LVG FD FAN T	129.51	129.70	129.19	.17	.33	+.26
AIR LVG FD FAN T	128.22	128.36	127.95	.12	.23	+.18

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
FW HTR E EXT P	311.23	317.22	306.50	4.20	8.40	+2.70
BAROMETRIC P IN	29.19	29.20	29.18	.01	.01	+.05
REL HUMIDITY %	21.14	21.33	20.99	.12	.25	+1.16
GAS LVG ECON (T)	676.24	680.29	668.60	3.81	7.61	+1.13
GAS LVG ECON (T)	593.04	605.90	581.01	7.48	14.96	+2.52
GAS LVG AH (T)	275.21	276.79	273.64	1.11	2.22	+.81
AIR ENT AH (T)	173.95	174.89	172.35	.91	1.82	+1.05
1ST STG STM FLW	547.36	557.93	540.36	7.46	14.92	+2.73
BLOW DOWN FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
GR FAN BUS VOLT	4160.00	4160.00	4160.00	0.00	0.00	+0.00
TOTAL GR FLOW	137.98	150.91	106.14	15.04	30.08	+21.80
GR TO SEC AIR	12.06	12.26	11.74	.17	.34	+2.84
GR TO FURN	126.70	139.37	95.22	14.88	29.75	+23.48
TMP AIR FLOW	19.57	34.07	1.90	13.05	26.09	+133.32
% PWDR RVR BASN CO	0.00	0.00	0.00	0.00	0.00	+0.00
CYCLONE STOIC	1.09	1.12	1.06	.02	.04	+3.73
REBRN WB STOIC	.45	.45	.44	.00	.01	+1.61
REBRN STOIC	.84	.85	.83	.01	.01	+1.52
LVG FURN STOIC	1.14	1.15	1.13	.01	.01	+1.31
LVG ECON STOIC	1.15	1.16	1.14	.01	.01	+1.30
AMBIENT AIR DB TEM	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG PH PS T	661.53	666.16	653.41	4.26	8.53	+1.29
GAS LVG SH PS T	568.03	588.31	555.10	10.40	20.80	+3.66
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	+0.00
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	+0.00
DRY BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	+0.00
WET BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	+0.00
AIR ENT AH P	0.00	0.00	0.00	0.00	0.00	+0.00
AIR LVG AH P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG SSH PLAT P	0.00	0.00	0.00	0.00	0.00	+0.00
ENT PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	+0.00
GAS ENT AH P	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG AH P	0.00	0.00	0.00	0.00	0.00	+0.00
SEC SH OUT P	0.00	0.00	0.00	0.00	0.00	+0.00

TEST F11 : 40 MW CYCLONES AT SAME LOAD AS 58 MW W/RBN

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
O2 LVG ECON (T)	5.38	5.50	5.28	.07	.14	+2.52
O2 LVG ECON (T)	5.23	5.36	5.17	.05	.11	+2.03
CO2 LVG ECON (T)	14.60	14.74	14.41	.11	.22	+1.52
CO2 LVG ECON (T)	13.04	13.10	12.92	.05	.11	+.81
CO LVG ECON (T)	56.22	58.68	52.69	2.19	4.39	+7.80
CO LVG ECON (T)	54.65	56.26	52.47	1.08	2.16	+3.96
NOX LVG ECON (T)	527.40	533.86	516.14	5.78	11.55	+2.19
NOX LVG ECON (T)	514.87	519.79	505.67	4.46	8.93	+1.73
DRUM PRESS (T)	1434.36	1435.04	1433.83	.41	.83	+.06
ENT RH-1 P (T)	0.00	0.00	0.00	0.00	0.00	+0.00
LVG RH-1 P (T)	131.09	132.01	130.09	.61	1.23	+.94
SEC SH OUT P (T)	1442.13	1442.87	1441.48	.42	.83	+.06
FW HTR E EXT P	127.39	128.47	126.36	.66	1.31	+1.03
ECON H2O OUT T	459.08	459.85	458.57	.40	.81	+.18
ECON H2O OUT T	434.55	435.94	434.00	.56	1.12	+.26
AMBIENT AIR TEMP	105.86	107.89	104.19	1.29	2.59	+2.44
PRI SH OUT T	713.71	720.02	712.38	2.24	4.47	+.63
PRI SH OUT T	723.03	729.44	721.88	2.27	4.53	+.63
AIR LVG AH T	506.03	513.29	500.53	3.37	6.74	+1.33
AIR LVG AH T	501.13	507.22	497.91	2.99	5.98	+1.19
AIR LVG FD FAN T	147.02	148.10	146.04	.71	1.41	+.96
AIR LVG FD FAN T	146.36	146.82	145.65	.44	.87	+.60
RH SPRAY H2O T	264.91	267.09	264.01	.91	1.82	+.69
FW HTR E ENT T	301.43	302.29	300.54	.52	1.03	+.34
FW HTR E EXT T	523.79	526.44	522.72	1.17	2.33	+.45
ENT RH T	519.45	532.45	517.15	4.66	9.32	+1.79
FW HTR E DRN T	318.71	335.18	315.99	5.82	11.65	+3.66
FW HTR E LVG T	352.46	353.14	351.59	.46	.92	+.26
O2 LVG AH (T)	7.14	7.21	7.06	.05	.10	+1.35
O2 LVG GR FAN (T)	0.00	0.00	0.00	0.00	0.00	+0.00
CO2 LVG AH (T)	3.78	3.78	3.78	0.00	0.00	+0.00
GAS TEMP LVG GR FA	0.00	0.00	0.00	0.00	0.00	+0.00
AIR ENT FD FAN	100.75	102.07	99.50	.97	1.94	+1.92
LOAD MW	37.33	37.79	36.94	.26	.52	+1.39
MAIN STEAM FLOW	262.84	264.65	260.94	1.20	2.40	+.91
FW FLOW	275.32	279.83	271.48	2.79	5.58	+2.03
RH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
SH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
SH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
GR FAN AMPS	0.00	0.00	0.00	0.00	0.00	+0.00
GR FAN AMPS	44.26	44.74	44.01	.21	.42	+.96
1st STG PRESS	324.24	326.00	321.61	1.64	3.28	+1.01
OIL FLOW 2A	.00	.00	.00	.00	.00	+13.36
OIL FLOW 2B	.00	.00	.00	0.00	0.00	+0.00
OIL FLOW 2C	.00	.00	.00	0.00	0.00	+0.00
SSH OUT T	913.24	918.96	907.28	3.75	7.50	+.82
SSH OUT T	924.73	929.55	917.65	3.98	7.96	+.86
SSH OUT AVE T	916.68	917.51	914.88	.82	1.64	+.18
LVG SH ATTMP T	717.26	717.88	716.36	.40	.80	+.11
LVG SH ATTMP T	725.28	725.94	724.37	.49	.98	+.13
ECON H2O IN T	354.23	355.29	353.21	.79	1.58	+.45
LVG RH T	897.58	900.19	896.03	1.40	2.79	+.31
COLD RH T	525.90	528.60	524.62	1.11	2.22	+.42
TURB THROT P	1449.83	1450.63	1449.09	.42	.84	+.06
DRUM PRESS	1466.97	1467.55	1465.98	.46	.93	+.06
LVG RH PRESS	129.81	130.73	128.79	.67	1.33	+1.03
ENT RH PRESS	133.73	134.91	132.41	.85	1.69	+1.27
O2 LVG ECON	4.93	5.06	4.86	.05	.10	+2.12
O2 LVG ECON	5.08	5.22	4.97	.09	.18	+3.56

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
CYC A COAL FLOW KL	16.81	17.00	16.71	.08	.16	+.93
CYC B COAL FLOW KL	-.01	-.01	-.01	0.00	0.00	+0.00
CYC C COAL FLOW KL	16.82	17.01	16.70	.08	.17	+1.00
CYC A SEC AIR FLOW	156.45	157.93	154.81	.97	1.94	+1.24
CYC B SEC AIR FLOW	.97	1.24	.44	.26	.52	+54.08
CYC C SEC AIR FLOW	157.06	158.32	155.63	1.06	2.13	+1.35
CYC A SEC AIR T	472.74	479.10	468.32	3.31	6.62	+1.40
CYC B SEC AIR T	497.95	507.58	492.50	4.97	9.94	+2.00
CYC C SEC AIR T	475.94	483.42	471.59	3.80	7.60	+1.60
RH SP VLV POS	-5.00	-5.00	-5.00	0.00	0.00	+0.00
SH SP VLV POS	0.00	0.00	0.00	0.00	0.00	+0.00
SH SP VLV POS	0.00	0.00	0.00	0.00	0.00	+0.00
GR DMPR DEMAND	100.13	100.13	100.13	0.00	0.00	+0.00
RECIRC AIR DMPR P	10.65	11.50	9.95	.53	1.06	+9.94
SH PASS DMPR P	0.00	0.00	0.00	0.00	0.00	+0.00
RH PASS DMPR P	100.00	100.00	100.00	0.00	0.00	+0.00
FURNACE GAS P IN	5.64	5.78	5.49	.10	.20	+3.49
AIR ENT AH T	176.38	179.94	173.36	2.23	4.47	+2.53
AIR ENT AH T	181.23	183.58	179.59	1.36	2.72	+1.50
AIR ENT AH T	201.92	204.06	200.13	1.24	2.47	+1.22
AIR ENT AH T	186.50	191.58	182.96	2.81	5.62	+3.02
GAS LVG AH T	274.10	276.92	270.62	2.22	4.45	+1.62
GAS LVG AH T	250.48	253.70	246.76	2.45	4.90	+1.95
GAS LVG AH T	264.49	267.95	260.89	2.44	4.87	+1.84
GAS LVG AH T	272.61	275.94	269.12	2.38	4.76	+1.75
BRN SA/GR T	485.43	495.03	479.87	5.04	10.07	+2.08
BRN SEC AIR T	499.02	505.42	495.33	3.29	6.58	+1.32
GAS LVG RH PASS	542.78	546.06	540.35	1.76	3.51	+.65
GAS LVG RH PASS	549.81	551.11	548.44	1.00	2.01	+.37
GAS LVG RH PASS	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG RH PASS	584.51	589.00	582.65	1.84	3.68	+.63
GAS LVG RH PASS	534.82	535.66	533.56	.76	1.53	+.29
GAS LVG RH PASS	540.47	541.92	539.18	.93	1.86	+.34
GAS LVG RH PASS	553.71	556.25	551.90	1.23	2.46	+.44
GAS LVG RH PASS	548.57	549.25	546.82	.76	1.51	+.28
GAS LVG RH PASS	547.23	549.59	545.28	1.46	2.91	+.53
GAS LVG RH PASS	560.15	561.28	558.35	.97	1.94	+.35
GAS LVG RH PASS	556.62	557.54	555.46	.72	1.43	+.26
GAS LVG RH PASS	561.85	563.35	560.70	.85	1.70	+.30
GAS LVG SH PASS	-293.06	-287.48	-297.61	3.54	7.09	-2.42
GAS LVG SH PASS	516.66	517.62	515.08	.92	1.83	+.36
GAS LVG SH PASS	525.30	527.13	523.50	1.27	2.54	+.48
GAS LVG SH PASS	540.53	542.98	536.99	1.99	3.97	+.74
GAS LVG SH PASS	495.04	496.11	493.67	.77	1.54	+.31
GAS LVG SH PASS	504.17	506.21	502.49	1.22	2.44	+.48
GAS LVG SH PASS	503.37	504.60	501.68	.96	1.91	+.38
GAS LVG SH PASS	533.28	534.83	530.07	1.50	3.00	+.56
GAS LVG SH PASS	522.99	528.43	517.47	4.70	9.40	+1.80
GAS LVG SH PASS	525.07	531.30	518.81	5.73	11.47	+2.18
GAS LVG SH PASS	517.36	519.19	515.84	1.07	2.14	+.41
GAS LVG SH PASS	-412.89	-411.79	-415.11	.99	1.98	-.48
OFA TEMP	450.02	463.51	440.34	7.75	15.51	+3.45
PSH OUT LEG T	730.65	731.09	730.23	.23	.47	+.06
PSH OUT LEG T	731.13	731.98	730.40	.45	.90	+.12
PSH OUT LEG T	704.58	705.84	702.79	.92	1.85	+.26
PSH OUT LEG T	714.93	715.77	713.36	.74	1.48	+.21

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
PSH OUT LEG T	724.11	724.62	723.58	.32	.63	+.09
PSH OUT LEG T	730.68	731.42	730.01	.38	.77	+.11
PSH OUT LEG T	714.10	714.86	713.31	.43	.86	+.12
PSH OUT LEG T	737.43	738.11	736.76	.46	.91	+.12
PSH OUT LEG T	716.73	717.53	715.92	.50	1.00	+.14
PSH OUT LEG T	730.26	731.09	729.18	.52	1.03	+.14
PSH OUT LEG T	734.28	735.34	732.96	.65	1.30	+.18
PULV INLET T	142.36	157.54	128.43	9.82	19.65	+13.80
PULV OUTLET T	135.06	139.85	130.48	3.15	6.30	+4.66
RH PEND IN LEG	848.48	851.01	847.12	1.33	2.67	+.31
RH PEND IN LEG	838.61	840.92	837.03	1.40	2.81	+.34
RH PEND IN LEG	843.56	845.95	842.36	1.30	2.60	+.31
RH PEND IN LEG	839.44	841.95	837.95	1.42	2.84	+.34
RH PEND IN LEG	0.00	0.00	0.00	0.00	0.00	+0.00
RH PEND IN LEG	864.83	868.70	862.94	1.91	3.82	+.44
RH PEND IN LEG	844.77	847.77	842.75	1.45	2.89	+.34
RH PEND IN LEG	854.35	857.29	852.18	1.61	3.22	+.38
RH PEND IN LEG	848.43	851.34	846.99	1.55	3.09	+.36
RH PEND IN LEG	823.73	830.41	819.36	3.94	7.87	+.96
SSH PEND IN LEG	836.07	837.51	833.25	1.25	2.51	+.30
SSH PEND IN LEG	846.83	850.78	840.95	3.29	6.57	+.78
SSH PEND IN LEG	836.57	840.85	830.56	3.60	7.21	+.86
SSH PEND IN LEG	840.28	844.05	834.38	3.03	6.05	+.72
SSH PEND IN LEG	808.51	811.30	804.90	1.64	3.27	+.40
SSH PEND IN LEG	836.04	837.29	833.73	1.27	2.55	+.30
SSH PEND IN LEG	832.76	835.64	829.48	1.95	3.90	+.47
SSH PEND IN LEG	830.45	835.05	826.07	2.75	5.49	+.66
SSH PEND IN LEG	836.03	841.49	829.96	3.66	7.33	+.88
SSH PEND IN LEG	816.86	821.94	810.63	3.59	7.18	+.88
RH INTM HND HOLE	848.82	858.53	845.77	4.28	8.56	+1.01
RH INTM HND HOLE	773.66	777.78	771.25	2.34	4.68	+.61
BRN GAS REC DMPR P	0.00	0.00	0.00	0.00	0.00	+0.00
OVRFIRE AIR DMPR P	5.00	5.00	5.00	0.00	0.00	+0.00
BRN SEC AIR DMPR P	18.49	19.01	18.31	.22	.44	+2.39
FLAME INTENSITY #1	.74	.75	.73	.01	.02	+2.76
FLAME INTENSITY #2	.92	.93	.90	.01	.02	+2.57
FLAME INTENSITY #3	.75	.75	.75	.00	.00	+.00
FLAME INTENSITY #4	.80	.93	.77	.05	.11	+13.64
PULV DIFF P IN WG	-.02	-.02	-.02	.00	.00	-.00
PULV AMPS	0.00	0.00	0.00	0.00	0.00	+0.00
ROT CLASS AMPS	.03	.03	.03	.00	.00	+.00
PULV PA FAN AMPS	.03	.06	-.08	.05	.10	+336.85
PULV PA FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
SEC AIR FLOW	31.20	31.41	30.88	.16	.32	+1.03
OFA AIR FLOW	27.09	27.42	26.65	.25	.51	+1.87
GR TO SEC AIR	3.42	3.49	3.35	.05	.11	+3.19
BRN SEC AIR P IN	5.74	5.87	5.63	.07	.13	+2.31
O2 IN SEC AIR	19.42	19.44	19.39	.02	.04	+.19
BRN GAS REC P IN	5.55	5.67	5.47	.06	.12	+2.08
ROT CLASS RPM	-.24	-.24	-.24	.00	.00	-.00
PULV COAL FLOW KL	.08	.08	.07	.00	.01	+8.40
ACCUREX CO PPM	42.13	44.81	38.85	2.14	4.28	+10.17
ACCUREX NOX PPM	474.12	480.89	466.65	4.74	9.47	+2.00
ACCUREX O2 %	5.04	5.11	4.99	.05	.09	+1.80
ACCUREX SOX PPM	1058.16	1071.61	1043.42	8.79	17.59	+1.66
COAL SILO LEVEL	13.08	13.16	13.03	.03	.07	+.50
ROT CLASS DP IN WG	.00	.00	.00	.00	.00	+12.14
HOT PRI AIR DMPR P	0.00	0.00	0.00	0.00	0.00	+0.00
AIR LVG FD FAN T	145.26	146.24	144.38	.67	1.34	+.92
AIR LVG FD FAN T	144.53	145.02	143.96	.39	.78	+.54

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
FW HTR E ENT P	125.98	127.31	124.74	.77	1.54	+1.22
BAROMETRIC P IN	29.07	29.07	29.06	.00	.00	+.02
REL HUMIDITY %	18.60	19.24	18.17	.44	.89	+4.77
GAS LVG ECON (T)	568.75	569.32	567.88	.44	.88	+.16
GAS LVG ECON (T)	540.39	540.83	540.07	.24	.47	+.09
GAS LVG AH (T)	262.39	265.27	259.44	2.01	4.03	+1.53
AIR ENT AH (T)	186.25	189.67	184.13	1.86	3.72	+2.00
1ST STG STM FLW	246.97	248.20	245.13	1.15	2.30	+.93
BLOW DOWN FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
GR FAN BUS VOLT	4160.00	4160.00	4160.00	0.00	0.00	+0.00
TOTAL GR FLOW	269.15	269.22	269.05	.07	.14	+.05
GR TO SEC AIR	2.71	2.78	2.66	.04	.09	+3.15
GR TO FURN	266.44	266.53	266.29	.08	.16	+.06
TMP AIR FLOW	69.39	75.42	63.78	3.87	7.73	+11.14
% PWDR RVR BASN CO	0.00	0.00	0.00	0.00	0.00	+0.00
CYCLONE STOIC	1.03	1.04	1.02	.01	.02	+1.56
REBRN WB STOIC	100.00	100.00	100.00	0.00	0.00	+0.00
REBRN STOIC	1.19	1.20	1.19	.01	.01	+.97
LVG FURN STOIC	1.28	1.29	1.28	.00	.01	+.75
LVG ECON STOIC	1.31	1.31	1.30	.00	.01	+.72
AMBIENT AIR DB TEM	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG RH PS T	552.77	553.15	552.27	.33	.65	+.12
GAS LVG SH PS T	518.38	518.70	518.03	.27	.54	+.10
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	+0.00
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	+0.00
DRY BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	+0.00
WET BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	+0.00
AIR ENT AH P	0.00	0.00	0.00	0.00	0.00	+0.00
AIR LVG AH P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG SSH PLAT P	0.00	0.00	0.00	0.00	0.00	+0.00
ENT PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	+0.00
GAS ENT AH P	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG AH P	0.00	0.00	0.00	0.00	0.00	+0.00
SEC SH OUT P	0.00	0.00	0.00	0.00	0.00	+0.00

TEST F12 : 58 MW WITH REBURN

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
O2 LVG ECON (T)	3.08	3.25	2.85	.13	.25	+8.16
O2 LVG ECON (T)	3.49	3.53	3.41	.04	.07	+2.10
CO2 LVG ECON (T)	16.41	16.75	16.24	.15	.30	+1.84
CO2 LVG ECON (T)	14.23	14.30	14.14	.05	.10	+.68
CO LVG ECON (T)	94.81	98.29	90.63	2.21	4.41	+4.66
CO LVG ECON (T)	64.59	70.51	56.34	4.74	9.47	+14.66
NOX LVG ECON (T)	309.74	317.88	301.11	5.53	11.06	+3.57
NOX LVG ECON (T)	333.16	339.49	329.13	3.09	6.18	+1.85
DRUM PRESS (T)	1453.90	1455.28	1452.50	.91	1.82	+.13
ENT RH-1 P (T)	0.00	0.00	0.00	0.00	0.00	+0.00
LVG RH-1 P (T)	212.70	214.00	210.93	.87	1.75	+.82
SEC SH OUT P (T)	1447.58	1449.50	1446.30	1.00	1.99	+.14
FW HTR E EXT P	214.83	216.13	212.96	.89	1.77	+.83
ECON H2O OUT T	488.60	489.43	487.25	.71	1.42	+.29
ECON H2O OUT T	453.92	454.78	452.83	.65	1.31	+.29
AMBIENT AIR TEMP	115.32	116.51	114.67	.74	1.48	+1.28
PRI SH OUT T	726.09	730.15	719.88	3.33	6.65	+.92
PRI SH OUT T	747.20	750.92	740.99	3.45	6.91	+.92
AIR LVG AH T	540.15	543.53	537.65	1.99	3.99	+.74
AIR LVG AH T	548.53	550.01	547.35	.75	1.51	+.28
AIR LVG FD FAN T	143.80	144.43	143.21	.38	.76	+.53
AIR LVG FD FAN T	142.80	143.29	142.27	.34	.68	+.48
RH SPRAY H2O T	271.14	272.16	269.79	.77	1.54	+.57
FW HTR E ENT T	334.41	334.86	333.76	.33	.66	+.20
FW HTR E EXT T	644.77	649.56	635.29	4.14	8.27	+1.28
ENT RH T	635.32	639.77	626.06	3.96	7.92	+1.25
FW HTR E DRN T	348.97	357.98	347.50	3.00	6.01	+1.72
FW HTR E LVG T	394.62	395.44	394.13	.36	.72	+.18
O2 LVG AH (T)	4.96	5.09	4.77	.09	.18	+3.72
O2 LVG GR FAN (T)	10.09	17.73	4.75	6.28	12.55	+124.45
CO2 LVG AH (T)	161.89	442.57	3.78	195.27	390.53	+241.24
GAS TEMP LVG GR FA	0.00	0.00	0.00	0.00	0.00	+0.00
AIR ENT FD FAN	114.86	116.27	113.11	1.25	2.50	+2.18
LOAD MW	58.07	58.53	57.65	.30	.60	+1.04
MAIN STEAM FLOW	381.33	383.63	378.35	1.59	3.18	+.84
FW FLOW	391.48	394.95	386.77	2.56	5.12	+1.31
RH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
SH SPRAY FLOW	3.34	4.16	1.53	.70	1.40	+41.96
SH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
GR FAN AMPS	40.76	40.93	40.55	.13	.25	+.62
GR FAN AMPS	.06	.06	.06	0.00	0.00	+0.00
1st STG PRESS	513.57	518.99	509.37	2.80	5.59	+1.09
OIL FLOW 2A	.00	.00	.00	0.00	0.00	+0.00
OIL FLOW 2B	.00	.00	.00	0.00	0.00	+0.00
OIL FLOW 2C	.00	.00	.00	0.00	0.00	+0.00
SSH OUT T	998.80	1003.98	993.65	2.68	5.35	+.54
SSH OUT T	997.21	1011.67	979.70	8.35	16.71	+1.68
SSH OUT AVE T	998.12	1004.76	987.48	4.36	8.71	+.87
LVG SH ATTMP T	699.27	704.96	695.31	3.30	6.60	+.94
LVG SH ATTMP T	744.59	753.40	730.97	6.99	13.98	+1.88
ECON H2O IN T	396.69	397.21	396.22	.29	.59	+.15
LVG RH T	979.02	983.21	970.07	4.36	8.71	+.89
COLD RH T	647.41	651.82	638.19	3.91	7.81	+1.21
TURB THROT P	1450.01	1451.06	1449.13	.59	1.17	+.08
DRUM PRESS	1487.13	1488.58	1485.95	.78	1.56	+.10
LVG RH PRESS	210.28	211.39	209.12	.70	1.40	+.67
ENT RH PRESS	221.90	223.38	220.73	.83	1.66	+.75
O2 LVG ECON	3.53	3.59	3.45	.04	.08	+2.32
O2 LVG ECON	3.03	3.27	2.83	.14	.29	+9.53

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
CYC A COAL FLOW KL	16.47	16.67	16.34	.10	.21	+1.26
CYC B COAL FLOW KL	-.01	-.01	-.01	0.00	0.00	+0.00
CYC C COAL FLOW KL	16.48	16.68	16.37	.10	.21	+1.26
CYC A SEC AIR FLOW	149.24	151.17	147.27	1.05	2.09	+1.40
CYC B SEC AIR FLOW	1.96	2.82	1.29	.49	.97	+49.60
CYC C SEC AIR FLOW	149.48	151.54	147.66	1.21	2.42	+1.62
CYC A SEC AIR T	497.50	501.28	495.75	1.72	3.44	+.69
CYC B SEC AIR T	537.21	540.59	535.74	1.63	3.26	+.61
CYC C SEC AIR T	514.18	516.72	512.24	1.40	2.79	+.54
RH SP VLV POS	-5.00	-5.00	-5.00	0.00	0.00	+0.00
SH SP VLV POS	23.34	32.07	0.00	16.71	33.42	+143.19
SH SP VLV POS	38.67	40.11	35.75	1.15	2.30	+5.96
GR DMPR DEMAND	65.30	65.30	65.30	0.00	0.00	+0.00
RECIRC AIR DMPR P	9.88	10.70	8.48	.69	1.38	+13.93
SH PASS DMPR P	.06	.16	.00	.05	.10	+168.02
RH PASS DMPR P	100.00	100.00	100.00	0.00	0.00	+0.00
FURNACE GAS P IN	8.12	8.25	8.03	.09	.18	+2.23
AIR ENT AH T	157.29	162.11	148.62	4.18	8.37	+5.32
AIR ENT AH T	161.21	163.89	155.68	2.54	5.09	+3.16
AIR ENT AH T	182.61	186.46	174.72	3.69	7.37	+4.04
AIR ENT AH T	168.03	172.33	156.97	5.20	10.40	+6.19
GAS LVG AH T	293.09	300.14	288.92	3.72	7.45	+2.54
GAS LVG AH T	277.57	283.43	272.00	3.79	7.58	+2.73
GAS LVG AH T	277.39	277.99	276.21	.57	1.14	+.41
GAS LVG AH T	285.20	286.25	283.94	.77	1.55	+.54
BRN SA/GR T	543.33	544.63	542.57	.57	1.13	+.21
BRN SEC AIR T	548.11	549.40	547.01	.66	1.33	+.24
GAS LVG RH PASS	586.97	589.22	584.34	1.58	3.15	+.54
GAS LVG RH PASS	610.12	611.77	607.08	1.58	3.16	+.52
GAS LVG RH PASS	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG RH PASS	640.61	645.17	634.58	3.74	7.49	+1.17
GAS LVG RH PASS	583.60	586.90	580.68	1.99	3.99	+.68
GAS LVG RH PASS	600.23	602.81	596.70	1.99	3.99	+.66
GAS LVG RH PASS	613.63	617.53	610.35	2.42	4.85	+.79
GAS LVG RH PASS	600.44	605.35	595.15	3.61	7.23	+1.20
GAS LVG RH PASS	595.07	595.94	594.41	.48	.96	+.16
GAS LVG RH PASS	618.66	620.41	615.81	1.26	2.53	+.41
GAS LVG RH PASS	609.79	613.63	605.69	2.58	5.16	+.85
GAS LVG RH PASS	609.99	614.84	604.65	3.68	7.37	+1.21
GAS LVG SH PASS	-307.69	-301.52	-315.42	4.69	9.38	-3.05
GAS LVG SH PASS	543.35	547.70	540.63	2.29	4.59	+.84
GAS LVG SH PASS	551.92	555.94	549.80	2.09	4.19	+.76
GAS LVG SH PASS	569.33	571.34	564.33	2.00	4.00	+.70
GAS LVG SH PASS	518.58	523.56	515.71	2.83	5.65	+1.09
GAS LVG SH PASS	527.30	530.47	524.15	1.95	3.91	+.74
GAS LVG SH PASS	528.36	529.58	525.95	1.21	2.41	+.46
GAS LVG SH PASS	559.60	563.22	554.19	3.12	6.25	+1.12
GAS LVG SH PASS	544.63	549.18	542.52	2.06	4.12	+.76
GAS LVG SH PASS	550.08	555.34	543.56	3.93	7.85	+1.43
GAS LVG SH PASS	539.40	541.96	536.37	2.09	4.19	+.78
GAS LVG SH PASS	-439.66	-431.68	-444.81	4.30	8.60	-1.96
OFA TEMP	520.89	523.54	519.95	1.25	2.50	+.48
PSH OUT LEG T	754.07	758.79	746.91	3.75	7.50	+1.00
PSH OUT LEG T	755.35	759.75	747.96	3.70	7.40	+.98
PSH OUT LEG T	703.90	709.27	697.83	3.65	7.29	+1.04
PSH OUT LEG T	718.85	723.23	713.10	3.20	6.40	+.89

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
PSH OUT LEG T	742.78	747.59	736.01	3.73	7.46	+1.00
PSH OUT LEG T	756.34	760.80	749.92	3.53	7.07	+.93
PSH OUT LEG T	727.42	731.43	721.98	2.93	5.86	+.81
PSH OUT LEG T	766.88	771.55	760.02	3.72	7.45	+.97
PSH OUT LEG T	732.75	737.67	726.01	3.77	7.53	+1.03
PSH OUT LEG T	758.02	762.99	751.02	3.95	7.90	+1.04
PSH OUT LEG T	765.36	770.76	757.89	4.19	8.39	+1.10
PULV INLET T	498.55	500.87	497.30	1.09	2.18	+.44
PULV OUTLET T	173.77	175.02	172.17	.94	1.88	+1.08
RH PEND IN LEG	923.28	928.35	913.62	5.03	10.06	+1.09
RH PEND IN LEG	912.36	918.99	901.00	6.06	12.12	+1.33
RH PEND IN LEG	917.10	922.61	907.09	5.24	10.47	+1.14
RH PEND IN LEG	912.76	918.73	902.10	5.64	11.29	+1.24
RH PEND IN LEG	0.00	0.00	0.00	0.00	0.00	+0.00
RH PEND IN LEG	947.86	952.78	938.64	4.69	9.37	+.99
RH PEND IN LEG	922.86	926.38	915.53	3.64	7.29	+.79
RH PEND IN LEG	925.01	927.63	920.77	2.22	4.45	+.48
RH PEND IN LEG	924.00	928.90	914.41	4.95	9.90	+1.07
RH PEND IN LEG	875.11	878.00	871.45	2.47	4.94	+.56
SSH PEND IN LEG	853.14	864.85	846.66	4.97	9.93	+1.16
SSH PEND IN LEG	875.59	887.90	868.15	5.27	10.54	+1.20
SSH PEND IN LEG	876.63	889.72	868.14	5.72	11.44	+1.31
SSH PEND IN LEG	891.98	905.64	884.13	6.12	12.23	+1.37
SSH PEND IN LEG	866.10	879.89	859.80	5.91	11.83	+1.37
SSH PEND IN LEG	891.42	904.15	887.45	4.86	9.72	+1.09
SSH PEND IN LEG	876.07	886.07	869.62	5.36	10.73	+1.22
SSH PEND IN LEG	871.43	877.73	867.22	3.48	6.96	+.80
SSH PEND IN LEG	870.99	875.53	867.00	2.62	5.25	+.60
SSH PEND IN LEG	835.53	838.93	830.98	2.48	4.96	+.59
RH INTM HND HOLE	918.56	925.69	907.35	6.23	12.46	+1.36
RH INTM HND HOLE	819.03	820.91	815.09	1.83	3.65	+.45
BRN GAS REC DMPR P	33.38	34.08	31.98	.59	1.17	+3.51
OVRFIRE AIR DMPR P	26.46	26.98	25.91	.40	.79	+3.00
BRN SEC AIR DMPR P	36.47	36.92	35.91	.27	.53	+1.46
FLAME INTENSITY #1	106.14	106.22	106.06	.05	.11	+.10
FLAME INTENSITY #2	105.63	105.76	105.31	.13	.27	+.26
FLAME INTENSITY #3	0.00	0.00	0.00	0.00	0.00	+0.00
FLAME INTENSITY #4	105.75	105.87	105.64	.07	.13	+.13
PULV DIFF P IN WG	6.59	6.70	6.48	.07	.15	+2.24
PULV AMPS	205.97	208.25	203.90	1.53	3.07	+1.49
ROT CLASS AMPS	40.93	41.05	40.74	.11	.22	+.53
PULV PA FAN AMPS	50.78	52.42	49.66	.78	1.56	+3.07
PULV PA FLOW	48.04	48.11	47.93	.05	.11	+.22
SEC AIR FLOW	42.83	43.05	42.44	.18	.36	+.85
OFA AIR FLOW	97.41	102.56	93.67	2.86	5.71	+5.87
GR TO SEC AIR	12.97	13.21	12.80	.11	.22	+1.73
BRN SEC AIR P IN	12.34	12.51	12.21	.11	.22	+1.77
O2 IN SEC AIR	16.89	16.93	16.83	.03	.07	+.39
BRN GAS REC P IN	11.96	12.09	11.81	.10	.19	+1.59
ROT CLASS RPM	163.94	163.98	163.90	.03	.06	+.03
PULV COAL FLOW KL	17.51	17.87	17.30	.17	.33	+1.89
ACCUREX CO PPM	56.85	60.18	51.74	2.39	4.79	+8.42
ACCUREX NOX PPM	294.41	299.48	287.97	3.47	6.94	+2.36
ACCUREX O2 %	3.05	3.14	2.96	.06	.12	+3.85
ACCUREX SOX PPM	1194.31	1214.54	1155.15	18.77	37.54	+3.14
COAL SILO LEVEL	38.32	42.14	34.71	2.44	4.89	+12.76
ROT CLASS DP IN WG	.32	.33	.31	.01	.01	+4.47
HOT PRI AIR DMPR P	99.39	100.00	98.98	.30	.60	+.60
AIR LVG FD FAN T	141.63	142.17	140.98	.37	.73	+.52
AIR LVG FD FAN T	140.48	140.93	139.95	.34	.69	+.49

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
FW HTR E EXT P	213.57	215.37	211.77	.99	1.97	+.92
BAROMETRIC P IN	29.09	29.10	29.08	.01	.01	+.04
REL HUMIDITY %	13.98	15.20	13.45	.62	1.24	+8.89
GAS LVG ECON (T)	622.12	623.51	619.89	1.12	2.24	+.36
GAS LVG ECON (T)	567.62	570.23	564.53	1.99	3.99	+.70
GAS LVG AH (T)	275.27	276.94	273.07	1.35	2.71	+.98
AIR ENT AH (T)	168.74	172.51	161.79	3.47	6.94	+4.11
1ST STG STM FLW	379.50	383.29	376.56	1.96	3.91	+1.03
BLOW DOWN FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
GR FAN BUS VOLT	4160.00	4160.00	4160.00	0.00	0.00	+0.00
TOTAL GR FLOW	242.62	244.76	239.40	1.85	3.70	+1.52
GR TO SEC AIR	12.34	13.05	11.61	.57	1.14	+9.23
GR TO FURN	230.86	232.79	227.76	1.83	3.65	+1.58
TMP AIR FLOW	37.44	42.48	32.94	2.60	5.21	+13.91
% PWDR RVR BRSN CO	0.00	0.00	0.00	0.00	0.00	+0.00
CYCLONE STOIC	1.05	1.06	1.04	.01	.02	+1.48
REBRN WB STOIC	.65	.65	.63	.01	.01	+2.00
REBRN STOIC	.93	.94	.92	.00	.01	+.82
LVG FURN STOIC	1.16	1.17	1.15	.01	.01	+1.10
LVG ECON STOIC	1.18	1.19	1.17	.01	.01	+1.10
AMBIENT AIR DB TEM	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG RH PS T	606.28	607.50	604.12	1.18	2.37	+.39
GAS LVG SH PS T	543.26	545.38	540.40	1.67	3.33	+.61
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	+0.00
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	+0.00
DRY BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	+0.00
WET BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	+0.00
AIR ENT AH P	0.00	0.00	0.00	0.00	0.00	+0.00
AIR LVG AH P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG SSH PLAT P	0.00	0.00	0.00	0.00	0.00	+0.00
ENT PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	+0.00
GAS ENT AH P	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG AH P	0.00	0.00	0.00	0.00	0.00	+0.00
SEC SH OUT P	0.00	0.00	0.00	0.00	0.00	+0.00

TEST F13 : 58 MW WITH REBURN

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
O2 LVG ECON (T)	2.87	3.22	2.67	.20	.41	+14.14
O2 LVG ECON (T)	3.35	3.42	3.23	.07	.14	+4.32
CO2 LVG ECON (T)	16.51	16.67	16.22	.17	.33	+2.00
CO2 LVG ECON (T)	14.33	14.42	14.27	.05	.10	+.72
CO LVG ECON (T)	110.78	116.94	103.08	5.28	10.56	+9.53
CO LVG ECON (T)	97.70	109.61	79.71	12.08	24.15	+24.72
NOX LVG ECON (T)	337.74	354.34	321.16	11.21	22.42	+6.64
NOX LVG ECON (T)	340.93	355.25	320.83	12.20	24.40	+7.16
DRUM PRESS (T)	1454.99	1456.83	1452.94	1.25	2.50	+.17
~~ENT RH-1 P (T)~~	~~0.00~~	~~0.00~~	~~0.00~~	~~0.00~~	~~0.00~~	~~+0.00~~
LVG RH-1 P (T)	213.13	215.34	211.26	1.59	3.18	+1.49
SEC SH OUT P (T)	1447.99	1450.20	1446.35	1.22	2.44	+.17
FW HTR E EXT P	215.11	217.44	213.14	1.66	3.31	+1.54
ECON H2O OUT T	481.01	484.06	478.76	2.07	4.13	+.86
ECON H2O OUT T	448.58	451.24	446.29	1.90	3.80	+.85
AMBIENT AIR TEMP	111.96	113.39	111.06	.74	1.49	+1.33
PRI SH OUT T	711.34	719.28	702.68	6.63	13.27	+1.86
PRI SH OUT T	729.78	737.50	721.60	5.98	11.97	+1.64
AIR LVG AH T	531.99	537.01	527.08	3.56	7.12	+1.34
AIR LVG AH T	532.55	535.01	530.99	1.31	2.62	+.49
AIR LVG FD FAN T	143.58	143.80	143.17	.19	.39	+.27
AIR LVG FD FAN T	141.65	142.62	141.07	.45	.90	+.64
RH SPRAY H2O T	268.79	269.14	268.42	.23	.47	+.17
FW HTR E ENT T	333.58	334.22	332.81	.51	1.01	+.30
FW HTR E EXT T	625.33	637.16	615.04	8.07	16.14	+2.58
ENT RH T	615.07	627.61	605.30	8.75	17.50	+2.84
FW HTR E DRN T	349.11	367.13	346.32	6.35	12.69	+3.64
FW HTR E LVG T	394.24	395.44	393.43	.68	1.35	+.34
O2 LVG AH (T)	4.77	4.99	4.62	.13	.26	+5.49
O2 LVG GR FAN (T)	17.73	17.75	17.73	.01	.02	+.11
CO2 LVG AH (T)	192.07	359.09	27.96	92.65	185.30	+96.47
GAS TEMP LVG GR FA	0.00	0.00	0.00	0.00	0.00	+0.00
AIR ENT FD FAN	106.01	119.25	102.87	5.50	11.00	+10.38
LOAD MW	57.59	58.51	56.94	.64	1.29	+2.23
MAIN STEAM FLOW	383.05	387.74	378.91	3.37	6.74	+1.76
FW FLOW	396.76	399.87	394.42	2.27	4.55	+1.15
RH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
SH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
SH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
GR FAN AMPS	0.00	0.00	0.00	0.00	0.00	+0.00
GR FAN AMPS	42.45	43.48	40.89	1.00	2.00	+4.71
1st STG PRESS	515.11	524.66	508.32	5.81	11.61	+2.25
OIL FLOW 2A	.00	.00	.00	0.00	0.00	+0.00
OIL FLOW 2B	.00	.00	.00	0.00	0.00	+0.00
OIL FLOW 2C	.00	.00	.00	0.00	0.00	+0.00
SSH OUT T	971.63	978.08	962.62	5.60	11.20	+1.15
SSH OUT T	977.09	1001.78	947.72	24.38	48.75	+4.99
SSH OUT AVE T	975.05	990.17	962.05	11.76	23.51	+2.41
LVG SH ATTMP T	715.52	724.49	706.78	7.15	14.31	+2.00
LVG SH ATTMP T	732.86	740.17	724.83	6.16	12.32	+1.68
ECON H2O IN T	395.89	396.97	394.87	.81	1.62	+.41
LVG RH T	943.33	953.59	937.02	5.41	10.82	+1.15
COLD RH T	627.10	639.62	617.36	8.74	17.49	+2.79
TURB THROT P	1449.91	1451.33	1448.92	.76	1.52	+.10
DRUM PRESS	1488.00	1489.94	1486.21	1.25	2.50	+.17
LVG RH PRESS	210.86	213.15	208.58	1.64	3.28	+1.56
ENT RH PRESS	221.98	224.45	219.72	1.77	3.55	+1.60
O2 LVG ECON	3.43	3.49	3.35	.05	.10	+2.99
O2 LVG ECON	2.80	3.19	2.54	.23	.46	+16.34

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
CYC A COAL FLOW KL	16.57	16.95	16.33	.21	.42	+2.52
CYC B COAL FLOW KL	-.01	-.01	-.01	0.00	0.00	+0.00
CYC C COAL FLOW KL	16.58	16.97	16.32	.21	.43	+2.59
CYC A SEC AIR FLOW	149.72	153.07	147.87	1.54	3.08	+2.05
CYC B SEC AIR FLOW	1.86	2.38	1.30	.34	.68	+36.43
CYC C SEC AIR FLOW	150.20	154.19	148.69	1.84	3.67	+2.44
CYC A SEC AIR T	489.17	491.09	487.09	1.47	2.94	+.60
CYC B SEC AIR T	524.77	527.83	523.15	1.45	2.89	+.55
CYC C SEC AIR T	500.42	503.27	498.96	1.33	2.66	+.53
RH SP VLV POS	-5.00	-5.00	-5.00	0.00	0.00	+0.00
~~SH SP VLV POS~~	~~20.26~~	~~24.13~~	~~0.00~~	~~19.19~~	~~38.39~~	~~+189.42~~
SH SP VLV POS	0.00	0.00	0.00	0.00	0.00	+0.00
GR DMPR DEMAND	67.25	72.34	60.82	4.72	9.43	+14.02
RECIRC AIR DMPR P	11.36	12.28	10.63	.60	1.20	+10.60
SH PASS DMPR P	.04	.16	0.00	.05	.09	+262.26
RH PASS DMPR P	100.00	100.00	100.00	0.00	0.00	+0.00
FURNACE GAS P IN	8.04	8.32	7.71	.21	.41	+5.16
AIR ENT AH T	166.19	168.56	163.47	1.66	3.31	+1.99
AIR ENT AH T	165.85	167.04	164.69	.76	1.53	+.92
AIR ENT AH T	189.73	193.41	186.86	2.40	4.79	+2.53
AIR ENT AH T	179.49	184.53	174.15	3.54	7.07	+3.94
GAS LVG AH T	284.25	286.85	282.10	1.57	3.14	+1.11
GAS LVG AH T	267.45	270.13	265.87	1.61	3.22	+1.21
GAS LVG AH T	274.06	275.22	273.44	.56	1.12	+.41
GAS LVG AH T	281.64	283.21	280.53	.88	1.77	+.63
BRN SA/GR T	532.58	534.60	530.73	1.46	2.92	+.55
BRN SEC AIR T	536.02	539.00	533.73	1.90	3.80	+.71
GAS LVG RH PASS	572.78	575.77	569.30	2.44	4.89	+.85
GAS LVG RH PASS	587.14	590.59	584.47	2.12	4.25	+.72
GAS LVG RH PASS	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG RH PASS	633.01	644.12	624.75	7.36	14.72	+2.33
GAS LVG RH PASS	566.63	569.08	564.58	1.88	3.76	+.66
GAS LVG RH PASS	580.18	581.42	578.64	.95	1.90	+.33
GAS LVG RH PASS	599.80	605.24	595.84	3.33	6.65	+1.11
GAS LVG RH PASS	595.91	607.30	587.68	6.87	13.74	+2.31
GAS LVG RH PASS	582.73	588.48	579.78	3.06	6.12	+1.05
GAS LVG RH PASS	603.18	609.20	599.11	3.75	7.49	+1.24
GAS LVG RH PASS	600.98	607.82	594.53	5.10	10.21	+1.70
GAS LVG RH PASS	602.87	611.55	595.42	6.02	12.05	+2.00
GAS LVG SH PASS	-309.72	-303.37	-314.59	4.44	8.88	-2.87
GAS LVG SH PASS	542.19	547.01	537.75	3.76	7.52	+1.39
GAS LVG SH PASS	550.58	555.24	546.03	4.06	8.13	+1.48
GAS LVG SH PASS	565.17	572.05	558.82	5.32	10.64	+1.88
GAS LVG SH PASS	519.79	524.76	514.92	4.19	8.38	+1.61
GAS LVG SH PASS	523.96	527.92	517.98	4.10	8.21	+1.57
GAS LVG SH PASS	526.31	531.30	520.70	4.49	8.99	+1.71
GAS LVG SH PASS	557.89	563.82	550.91	5.34	10.68	+1.91
GAS LVG SH PASS	542.43	547.16	537.56	3.71	7.42	+1.37
GAS LVG SH PASS	550.32	557.86	544.01	5.93	11.87	+2.16
GAS LVG SH PASS	538.57	543.53	531.23	3.95	7.90	+1.47
GAS LVG SH PASS	-441.81	-432.94	-450.72	7.33	14.65	-3.32
OFA TEMP	508.76	511.66	506.88	1.50	3.01	+.59
PSH OUT LEG T	737.15	745.65	730.50	5.87	11.73	+1.59
PSH OUT LEG T	737.59	745.32	731.50	5.29	10.58	+1.43
PSH OUT LEG T	693.41	701.24	684.96	6.83	13.67	+1.97
PSH OUT LEG T	705.95	713.79	697.76	6.66	13.33	+1.89

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
PSH OUT LEG T	727.97	737.23	719.49	7.20	14.40	+1.98
PSH OUT LEG T	739.28	748.01	731.94	6.28	12.57	+1.70
PSH OUT LEG T	713.08	720.21	706.55	5.42	10.83	+1.52
PSH OUT LEG T	748.68	757.02	741.39	5.98	11.96	+1.60
PSH OUT LEG T	719.28	727.29	710.97	6.59	13.18	+1.83
PSH OUT LEG T	740.62	748.90	732.49	6.14	12.28	+1.66
PSH OUT LEG T	748.06	757.64	738.86	7.10	14.19	+1.90
PULV INLET T	487.71	490.08	485.83	1.47	2.94	+.60
PULV OUTLET T	167.90	171.78	164.92	2.53	5.06	+3.02
RH PEND IN LEG	893.58	906.58	886.54	7.31	14.62	+1.64
RH PEND IN LEG	887.69	905.57	874.27	11.80	23.61	+2.66
~~RH PEND IN LEG~~	~~888.94~~	~~903.42~~	~~880.16~~	~~8.58~~	~~17.15~~	~~+1.93~~
RH PEND IN LEG	886.18	902.54	874.89	10.35	20.70	+2.34
RH PEND IN LEG	0.00	0.00	0.00	0.00	0.00	+0.00
RH PEND IN LEG	916.51	930.40	909.14	7.97	15.95	+1.74
RH PEND IN LEG	886.25	894.98	878.46	4.93	9.87	+1.11
RH PEND IN LEG	879.71	892.13	868.08	8.56	17.12	+1.95
RH PEND IN LEG	893.96	907.97	886.07	8.09	16.17	+1.81
RH PEND IN LEG	835.11	849.26	823.99	8.82	17.65	+2.11
SSH PEND IN LEG	839.59	856.24	813.94	18.61	37.23	+4.43
SSH PEND IN LEG	862.43	880.43	834.24	20.06	40.12	+4.65
SSH PEND IN LEG	866.72	886.65	837.01	21.50	42.99	+4.96
SSH PEND IN LEG	880.84	902.12	849.20	22.57	45.15	+5.13
SSH PEND IN LEG	857.05	878.10	827.39	22.13	44.26	+5.16
SSH PEND IN LEG	889.08	908.89	861.86	20.61	41.22	+4.64
SSH PEND IN LEG	885.10	901.34	865.77	15.39	30.78	+3.48
SSH PEND IN LEG	871.75	881.93	863.90	6.84	13.69	+1.57
SSH PEND IN LEG	861.04	866.63	852.53	4.90	9.79	+1.14
SSH PEND IN LEG	823.25	834.50	811.94	7.57	15.14	+1.84
RH INTM HND HOLE	892.23	899.88	886.61	4.78	9.56	+1.07
RH INTM HND HOLE	791.16	801.17	784.04	5.72	11.44	+1.45
BRN GAS REC DMPR P	34.04	36.96	29.97	2.54	5.08	+14.93
OVRFIRE AIR DMPR P	25.34	25.86	25.08	.27	.54	+2.14
BRN SEC AIR DMPR P	35.76	36.26	35.26	.36	.71	+1.99
FLAME INTENSITY #1	106.17	106.21	106.13	.03	.06	+.05
FLAME INTENSITY #2	105.51	105.70	105.35	.13	.26	+.24
FLAME INTENSITY #3	105.00	106.16	0.00	35.03	70.07	+66.73
FLAME INTENSITY #4	105.66	105.86	105.50	.14	.29	+.27
PULV DIFF P IN WG	6.42	6.51	6.34	.06	.12	+1.90
PULV AMPS	203.81	206.22	201.90	1.51	3.01	+1.48
ROT CLASS AMPS	41.01	41.11	40.93	.06	.11	+.27
PULV PA FAN AMPS	50.11	51.42	48.92	.86	1.73	+3.45
PULV PA FLOW	48.08	48.18	47.98	.06	.12	+.26
SEC AIR FLOW	42.84	43.18	42.47	.24	.49	+1.14
OFA AIR FLOW	90.08	93.44	87.47	1.93	3.86	+4.28
GR TO SEC AIR	13.03	13.19	12.94	.09	.18	+1.40
BRN SEC AIR P IN	12.07	12.44	11.87	.18	.36	+2.95
O2 IN SEC AIR	16.84	16.90	16.77	.04	.09	+.53
BRN GAS REC P IN	11.72	12.02	11.46	.16	.32	+2.73
ROT CLASS RPM	163.90	163.92	163.86	.02	.04	+.02
PULV COAL FLOW KL	17.67	18.10	17.29	.30	.60	+3.41
ACCUREX CO PPM	73.63	81.40	61.79	7.39	14.79	+20.08
ACCUREX NOX PPM	309.90	321.03	293.40	10.25	20.50	+6.61
ACCUREX O2 %	2.95	3.17	2.82	.12	.23	+7.87
ACCUREX SOX PPM	1211.92	1229.98	1195.15	11.95	23.90	+1.97
COAL SILO LEVEL	25.48	30.07	19.90	3.44	6.89	+27.03
ROT CLASS DP IN WG	.33	.34	.30	.01	.03	+8.02
HOT PRI AIR DMPR P	99.63	100.00	99.21	.27	.53	+.53
AIR LVG FD FAN T	141.53	141.74	141.03	.21	.42	+.29
AIR LVG FD FAN T	139.49	140.32	138.89	.40	.81	+.58

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
FW HTR E ENT P	213.55	215.72	211.13	1.69	3.38	+1.58
BAROMETRIC P IN	29.07	29.08	29.06	.01	.01	+.05
REL HUMIDITY %	17.32	18.93	12.12	2.59	5.19	+29.95
GAS LVG ECON (T)	608.04	612.33	604.75	3.19	6.39	+1.05
GAS LVG ECON (T)	564.65	570.23	558.45	4.92	9.84	+1.74
GAS LVG AH (T)	270.47	271.93	269.53	.87	1.74	+.64
AIR ENT AH (T)	175.91	179.55	173.60	2.20	4.39	+2.50
1ST STG STM FLW	380.58	387.26	375.82	4.06	8.13	+2.14
BLOW DOWN FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
GR FAN BUS VOLT	4160.00	4160.00	4160.00	0.00	0.00	+0.00
TOTAL GR FLOW	263.67	277.51	241.27	14.36	28.72	+10.89
GR TO SEC AIR	11.87	12.01	11.64	.12	.25	+2.10
GR TO FURN	251.80	265.79	229.26	14.43	28.86	+11.46
TMP AIR FLOW	25.88	34.74	18.15	4.09	8.18	+31.60
% PWDR RVR BASN CO	0.00	0.00	0.00	0.00	0.00	+0.00
CYCLONE STOIC	1.07	1.08	1.06	.01	.02	+1.41
REBRN WB STOIC	.64	.65	.62	.01	.03	+3.99
REBRN STOIC	.94	.95	.92	.01	.02	+2.47
LVG FURN STOIC	1.15	1.16	1.14	.01	.02	+1.61
LVG ECON STOIC	1.16	1.18	1.15	.01	.02	+1.61
AMBIENT AIR DB TEM	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG PH PS T	593.20	598.91	589.50	3.41	6.83	+1.15
GAS LVG SH PS T	541.72	546.81	536.34	4.28	8.55	+1.58
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	+0.00
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	+0.00
DRY BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	+0.00
WET BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	+0.00
AIR ENT AH P	0.00	0.00	0.00	0.00	0.00	+0.00
AIR LVG AH P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG SSH PLAT P	0.00	0.00	0.00	0.00	0.00	+0.00
ENT PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	+0.00
GAS ENT AH P	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG AH P	0.00	0.00	0.00	0.00	0.00	+0.00
SEC SH OUT P	0.00	0.00	0.00	0.00	0.00	+0.00

TEST F14 : 40 MW WITH CYCLONES THE SAME AS FOR 58 MW W/RBN

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
O2 LVG ECON (T)	5.40	5.52	5.37	.05	.09	+1.67
O2 LVG ECON (T)	5.09	5.24	5.02	.07	.14	+2.73
CO2 LVG ECON (T)	13.66	13.77	13.48	.10	.20	+1.45
CO2 LVG ECON (T)	13.23	13.38	13.10	.09	.18	+1.39
CO LVG ECON (T)	67.46	71.64	61.78	4.05	8.11	+12.02
CO LVG ECON (T)	45.87	49.64	40.11	3.07	6.13	+13.37
NOX LVG ECON (T)	522.16	525.62	518.73	2.13	4.26	+.82
NOX LVG ECON (T)	525.64	533.67	510.68	6.51	13.02	+2.48
DRUM PRESS (T)	1433.83	1434.53	1433.33	.43	.86	+.06
ENT RH-1 P (T)	0.00	0.00	0.00	0.00	0.00	+0.00
LVG RH-1 P (T)	131.45	132.32	130.45	.60	1.20	+.91
SEC SH OUT P (T)	1442.26	1442.52	1441.83	.21	.41	+.03
FW HTR E EXT P	127.85	128.75	126.84	.60	1.21	+.94
ECON H2O OUT T	466.33	469.67	465.80	1.11	2.22	+.48
ECON H2O OUT T	440.97	441.17	440.76	.14	.28	+.06
AMBIENT AIR TEMP	103.18	105.51	102.09	1.08	2.16	+2.09
PRI SH OUT T	720.45	729.60	716.13	3.54	7.08	+.98
PRI SH OUT T	732.68	733.91	730.83	1.06	2.12	+.29
AIR LVG AH T	494.97	498.18	0.00	350.00	700.01	+141.42
AIR LVG AH T	501.21	506.21	498.67	2.30	4.61	+.92
AIR LVG FD FAN T	146.61	147.59	145.93	.53	1.06	+.72
AIR LVG FD FAN T	149.58	151.06	148.37	.88	1.76	+1.18
RH SPRAY H2O T	267.89	267.96	267.83	.05	.09	+.03
FW HTR E ENT T	302.24	302.74	301.76	.32	.64	+.21
FW HTR E EXT T	542.04	543.51	540.26	1.00	2.00	+.37
ENT RH T	540.05	559.15	536.24	6.42	12.85	+2.38
FW HTR E DRN T	310.89	311.66	310.28	.40	.80	+.26
FW HTR E LVG T	353.55	354.11	353.04	.33	.67	+.19
O2 LVG AH (T)	7.25	7.32	7.20	.03	.07	+.94
O2 LVG GR FAN (T)	0.00	0.00	0.00	0.00	0.00	+0.00
CO2 LVG AH (T)	3.78	3.78	3.78	0.00	0.00	+0.00
GAS TEMP LVG GR FA	0.00	0.00	0.00	0.00	0.00	+0.00
AIR ENT FD FAN	107.10	107.59	106.85	.27	.54	+.50
LOAD MW	37.69	38.02	37.31	.18	.36	+.97
MAIN STEAM FLOW	263.53	265.34	261.98	.99	1.97	+.75
FW FLOW	273.87	277.55	269.90	2.04	4.09	+1.49
RH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
SH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
SH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
GR FAN AMPS	0.00	0.00	0.00	0.00	0.00	+0.00
GR FAN AMPS	44.71	45.03	44.20	.24	.48	+1.08
1st STG PRESS	325.48	328.29	323.35	1.41	2.82	+.87
OIL FLOW 2A	.00	.00	.00	.00	.00	+9.90
OIL FLOW 2B	.00	.00	.00	0.00	0.00	+0.00
OIL FLOW 2C	.00	.00	.00	0.00	0.00	+0.00
SSH OUT T	942.96	944.85	939.96	1.49	2.99	+.32
SSH OUT T	941.84	943.85	938.75	1.59	3.18	+.34
SSH OUT AVE T	939.46	941.61	935.96	1.69	3.37	+.36
LVG SH ATTMP T	721.85	724.43	717.91	1.96	3.92	+.54
LVG SH ATTMP T	734.17	735.43	732.10	1.09	2.19	+.30
ECON H2O IN T	354.61	355.22	354.14	.37	.74	+.21
LVG RH T	915.97	917.58	913.98	1.09	2.19	+.24
COLD RH T	543.57	545.00	541.64	1.06	2.11	+.39
TURB THROT P	1449.96	1450.31	1449.52	.26	.52	+.04
DRUM PRESS	1466.71	1467.06	1466.35	.26	.52	+.04
LVG RH PRESS	130.29	131.35	129.36	.60	1.19	+.91
ENT RH PRESS	135.21	136.20	134.37	.58	1.16	+.86
O2 LVG ECON	4.98	5.03	4.91	.04	.08	+1.60
O2 LVG ECON	5.23	5.34	5.15	.06	.13	+2.41

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
CYC A COAL FLOW KL	16.91	17.07	16.77	.12	.23	+1.39
CYC B COAL FLOW KL	-.01	-.01	-.01	0.00	0.00	+0.00
CYC C COAL FLOW KL	16.92	17.08	16.78	.11	.23	+1.35
CYC A SEC AIR FLOW	158.79	161.14	157.09	1.06	2.13	+1.34
CYC B SEC AIR FLOW	1.00	1.40	.70	.22	.44	+44.13
CYC C SEC AIR FLOW	158.69	160.43	156.34	1.30	2.60	+1.64
CYC A SEC AIR T	463.36	469.91	459.97	3.21	6.42	+1.39
CYC B SEC AIR T	491.64	499.76	487.29	4.04	8.09	+1.65
CYC C SEC AIR T	472.14	479.78	467.67	3.87	7.75	+1.64
RH SP VLV POS	-5.00	-5.00	-5.00	0.00	0.00	+0.00
SH SP VLV POS	0.00	0.00	0.00	0.00	0.00	+0.00
SH SP VLV POS	0.00	0.00	0.00	0.00	0.00	+0.00
~~GR DMPR DEMAND~~	~~104.03~~	~~104.03~~	~~104.03~~	~~0.00~~	~~0.00~~	~~+0.00~~
RECIRC AIR DMPR P	10.19	11.55	8.87	.86	1.71	+16.82
SH PASS DMPR P	.01	.03	0.00	.01	.02	+199.13
RH PASS DMPR P	100.00	100.00	100.00	0.00	0.00	+0.00
FURNACE GAS P IN	5.54	5.79	5.39	.12	.24	+4.28
AIR ENT AH T	176.94	181.02	171.28	3.27	6.53	+3.69
AIR ENT AH T	182.53	184.42	178.82	1.78	3.56	+1.95
AIR ENT AH T	200.15	204.24	195.28	2.92	5.83	+2.91
AIR ENT AH T	184.79	192.91	176.82	5.42	10.83	+5.86
GAS LVG AH T	273.48	279.15	269.10	3.31	6.61	+2.42
GAS LVG AH T	251.33	257.35	247.30	3.40	6.81	+2.71
GAS LVG AH T	263.09	268.30	259.63	2.92	5.83	+2.22
GAS LVG AH T	270.92	276.04	267.11	2.95	5.90	+2.18
BRN SA/GR T	475.59	482.24	472.15	3.26	6.52	+1.37
BRN SEC AIR T	490.26	494.05	488.10	1.91	3.82	+.78
GAS LVG RH PASS	546.10	547.88	544.25	1.24	2.48	+.45
GAS LVG RH PASS	553.83	554.94	553.04	.60	1.20	+.22
GAS LVG RH PASS	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG RH PASS	558.40	560.34	556.20	1.44	2.89	+.52
GAS LVG RH PASS	536.78	538.03	535.49	.83	1.67	+.31
GAS LVG RH PASS	542.43	543.73	541.40	.85	1.70	+.31
GAS LVG RH PASS	544.80	546.18	542.93	1.11	2.23	+.41
GAS LVG RH PASS	537.73	539.48	536.20	1.17	2.35	+.44
GAS LVG RH PASS	545.70	547.62	544.65	.82	1.64	+.30
GAS LVG RH PASS	556.78	557.58	556.19	.51	1.03	+.18
GAS LVG RH PASS	550.07	551.70	548.35	1.23	2.45	+.45
GAS LVG RH PASS	555.94	558.64	553.37	1.92	3.85	+.69
GAS LVG SH PASS	-275.56	-262.26	-282.04	5.98	11.95	-4.34
GAS LVG SH PASS	498.13	500.76	495.70	1.75	3.51	+.70
GAS LVG SH PASS	505.43	507.36	503.72	1.25	2.50	+.49
GAS LVG SH PASS	519.27	521.52	517.08	1.60	3.19	+.61
GAS LVG SH PASS	479.24	482.75	475.88	2.08	4.16	+.87
GAS LVG SH PASS	488.46	492.02	484.76	2.47	4.94	+1.01
GAS LVG SH PASS	486.00	492.45	481.35	4.38	8.75	+1.80
GAS LVG SH PASS	509.26	515.92	505.34	4.16	8.31	+1.63
GAS LVG SH PASS	507.23	513.68	503.89	3.34	6.69	+1.32
GAS LVG SH PASS	505.47	511.51	501.66	3.24	6.49	+1.28
GAS LVG SH PASS	500.87	503.98	497.51	2.06	4.11	+.82
GAS LVG SH PASS	-379.56	-373.41	-385.22	4.04	8.08	-2.13
OFA TEMP	438.74	449.02	431.36	5.87	11.75	+2.68
PSH OUT LEG T	737.63	740.10	733.45	1.99	3.97	+.54
PSH OUT LEG T	739.82	741.42	736.64	1.46	2.91	+.39
PSH OUT LEG T	704.00	706.84	700.63	1.88	3.75	+.53
PSH OUT LEG T	718.39	720.85	715.04	1.76	3.52	+.49

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
PSH OUT LEG T	727.81	730.21	723.98	1.91	3.81	+.52
PSH OUT LEG T	738.05	740.38	734.06	1.87	3.74	+.51
PSH OUT LEG T	723.44	724.96	720.18	1.44	2.88	+.40
PSH OUT LEG T	745.24	746.57	743.01	1.15	2.30	+.31
PSH OUT LEG T	723.29	724.44	721.65	.94	1.89	+.26
PSH OUT LEG T	738.71	739.94	737.15	.95	1.90	+.26
PSH OUT LEG T	741.79	743.19	740.00	1.10	2.20	+.30
PULV INLET T	97.06	98.77	95.58	1.03	2.07	+2.13
PULV OUTLET T	96.29	98.02	94.70	1.10	2.20	+2.29
RH PEND IN LEG	859.06	860.64	858.13	.89	1.79	+.21
RH PEND IN LEG	845.18	847.16	843.37	1.36	2.73	+.32
RH PEND IN LEG	853.09	854.68	852.09	.97	1.93	+.23
RH PEND IN LEG	847.81	849.69	846.22	1.24	2.48	+.29
RH PEND IN LEG	0.00	0.00	0.00	0.00	0.00	+0.00
RH PEND IN LEG	874.84	876.63	873.90	1.05	2.10	+.24
RH PEND IN LEG	856.97	858.07	855.91	.78	1.56	+.18
RH PEND IN LEG	873.64	874.46	872.74	.65	1.29	+.15
RH PEND IN LEG	859.02	860.63	857.72	1.08	2.16	+.25
RH PEND IN LEG	854.86	857.78	849.90	2.58	5.15	+.60
SSH PEND IN LEG	848.01	850.53	844.57	1.80	3.60	+.43
SSH PEND IN LEG	866.75	868.69	863.46	1.68	3.36	+.39
SSH PEND IN LEG	856.38	857.33	855.50	.60	1.20	+.14
SSH PEND IN LEG	854.90	855.63	854.29	.42	.84	+.10
SSH PEND IN LEG	817.40	818.30	816.74	.53	1.06	+.13
SSH PEND IN LEG	844.44	845.85	842.52	1.04	2.07	+.25
SSH PEND IN LEG	842.79	845.27	839.58	1.78	3.55	+.42
SSH PEND IN LEG	845.82	848.13	843.30	1.48	2.96	+.35
SSH PEND IN LEG	856.99	860.15	853.90	2.06	4.12	+.48
SSH PEND IN LEG	845.09	848.05	840.75	2.48	4.96	+.59
RH INTM HND HOLE	857.84	863.61	856.07	2.32	4.63	+.54
RH INTM HND HOLE	794.50	797.27	790.94	2.23	4.46	+.56
BRN GAS REC DMPR P	0.00	0.00	0.00	0.00	0.00	+0.00
OVRFIRE AIR DMPR P	5.00	5.00	5.00	0.00	0.00	+0.00
BRN SEC AIR DMPR P	18.05	18.25	17.92	.12	.24	+1.33
FLAME INTENSITY #1	.79	.80	.78	.01	.02	+2.66
FLAME INTENSITY #2	.95	.95	.95	.00	.00	+.01
FLAME INTENSITY #3	.80	.80	.78	.01	.02	+2.00
FLAME INTENSITY #4	.90	1.03	.83	.07	.14	+15.06
PULV DIFF P IN WG	-.01	-.01	-.01	.00	.00	-.01
PULV AMPS	-.13	-.13	-.13	.00	.00	-.01
ROT CLASS AMPS	.03	.03	.03	.00	.00	+.00
PULV PA FAN AMPS	-.06	0.00	-.06	.04	.07	-126.49
PULV PA FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
SEC AIR FLOW	31.23	31.49	31.01	.13	.26	+.83
OFA AIR FLOW	28.08	28.34	27.81	.20	.41	+1.45
GR TO SEC AIR	3.48	3.51	3.41	.04	.08	+2.22
BRN SEC AIR P IN	5.61	5.89	5.46	.14	.28	+4.91
O2 IN SEC AIR	19.41	19.45	19.39	.02	.04	+.19
BRN GAS REC P IN	5.41	5.69	5.28	.14	.29	+5.35
ROT CLASS RPM	-.19	-.19	-.20	.00	.00	-2.15
PULV COAL FLOW KL	.07	.07	.07	.00	.00	+3.35
ACCUREX CO PPM	32.51	36.77	26.87	3.01	6.01	+18.49
ACCUREX NOX PPM	487.98	490.64	482.05	2.84	5.67	+1.16
ACCUREX O2 %	5.14	5.24	5.05	.06	.12	+2.30
ACCUREX SOX PPM	1036.38	1061.78	998.61	20.77	41.55	+4.01
COAL SILO LEVEL	95.35	95.56	95.04	.15	.30	+.31
ROT CLASS DP IN WG	.01	.01	.01	.00	.00	+6.59
HOT PRI AIR DMPR P	0.00	0.00	0.00	0.00	0.00	+0.00
AIR LVG FD FAN T	145.15	146.24	144.24	.59	1.17	+.81
AIR LVG FD FAN T	148.15	149.71	146.80	.96	1.93	+1.30

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
FW HTR E ENT P	126.95	128.00	125.83	.61	1.23	+.97
BAROMETRIC P IN	29.19	29.20	29.17	.01	.02	+.06
REL HUMIDITY %	13.66	14.37	12.92	.46	.91	+6.67
GAS LVG ECON (T)	564.96	567.77	563.39	1.27	2.54	+.45
GAS LVG ECON (T)	524.31	527.22	521.76	1.83	3.66	+.70
GAS LVG AH (T)	261.42	265.98	257.98	2.64	5.27	+2.02
AIR ENT AH (T)	186.12	190.85	180.73	3.30	6.60	+3.54
1ST STG STM FLW	247.83	249.80	246.35	.99	1.97	+.80
BLOW DOWN FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
GR FAN BUS VOLT	4160.00	4160.00	4160.00	0.00	0.00	+0.00
TOTAL GR FLOW	266.91	267.45	266.50	.35	.70	+.26
GR TO SEC AIR	2.84	2.88	2.74	.05	.10	+3.57
~~GR TO FURN~~	~~264.08~~	~~264.59~~	~~263.74~~	~~.32~~	~~.64~~	~~+.24~~
TMP AIR FLOW	69.95	77.17	66.36	3.34	6.67	+9.54
% PWDR RVR BASN CO	0.00	0.00	0.00	0.00	0.00	+0.00
CYCLONE STOIC	1.04	1.06	1.02	.01	.02	+2.03
REBRN WB STOIC	100.00	100.00	100.00	0.00	0.00	+0.00
REBRN STOIC	1.20	1.21	1.20	.00	.01	+.63
LVG FURN STOIC	1.29	1.30	1.29	.00	.01	+.66
LVG ECON STOIC	1.32	1.32	1.31	.00	.01	+.67
AMBIENT AIR DB TEM	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG RH PS T	548.05	549.30	546.96	.89	1.79	+.33
GAS LVG SH PS T	499.93	504.19	496.90	2.58	5.15	+1.03
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	+0.00
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	+0.00
DRY BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	+0.00
WET BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	+0.00
AIR ENT AH P	0.00	0.00	0.00	0.00	0.00	+0.00
AIR LVG AH P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG SSH PLAT P	0.00	0.00	0.00	0.00	0.00	+0.00
ENT PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	+0.00
GAS ENT AH P	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG AH P	0.00	0.00	0.00	0.00	0.00	+0.00
SEC SH OUT P	0.00	0.00	0.00	0.00	0.00	+0.00

TEST F15 : 58 MW WITH REBURN

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
O2 LVG ECON (T)	3.12	3.36	2.99	.12	.24	+7.63
O2 LVG ECON (T)	3.04	3.11	2.97	.05	.11	+3.50
CO2 LVG ECON (T)	15.81	15.89	15.63	.08	.17	+1.07
CO2 LVG ECON (T)	14.64	14.75	14.55	.07	.14	+.93
CO LVG ECON (T)	139.46	144.50	121.09	8.27	16.54	+11.86
CO LVG ECON (T)	99.09	103.04	89.52	4.49	8.98	+9.06
NOX LVG ECON (T)	298.37	307.42	288.60	7.46	14.92	+5.00
NOX LVG ECON (T)	333.55	337.55	329.56	3.27	6.54	+1.96
DRUM PRESS (T)	1459.83	1460.90	1458.57	.88	1.76	+.12
ENT RH-1 P (T)	0.00	0.00	0.00	0.00	0.00	+0.00
LVG RH-1 P (T)	218.97	219.98	218.21	.71	1.42	+.65
SEC SH OUT P (T)	1449.40	1450.36	1448.31	.71	1.41	+.10
FW HTR E EXT P	221.29	222.32	220.51	.69	1.38	+.62
ECON H2O OUT T	486.84	490.65	474.98	5.50	11.00	+2.26
ECON H2O OUT T	452.54	455.34	444.64	3.71	7.42	+1.64
AMBIENT AIR TEMP	100.45	100.80	99.57	.44	.89	+.88
PRI SH OUT T	714.56	721.90	691.28	10.85	21.70	+3.04
PRI SH OUT T	745.86	754.04	719.94	11.98	23.96	+3.21
AIR LVG AH T	528.89	532.76	0.00	215.94	431.87	+81.66
AIR LVG AH T	528.68	534.79	510.75	8.33	16.66	+3.15
AIR LVG FD FAN T	141.45	141.91	140.62	.44	.87	+.62
AIR LVG FD FAN T	140.01	141.37	138.81	.88	1.77	+1.26
RH SPRAY H2O T	274.45	274.59	274.22	.13	.25	+.09
FW HTR E ENT T	336.73	337.26	335.31	.67	1.34	+.40
FW HTR E EXT T	633.22	642.92	596.27	16.68	33.36	+5.27
ENT RH T	628.49	637.61	593.02	15.98	31.96	+5.08
FW HTR E DRN T	348.96	349.55	347.14	.88	1.76	+.50
FW HTR E LVG T	397.60	398.00	396.74	.43	.85	+.21
O2 LVG AH (T)	4.91	4.97	4.80	.06	.11	+2.26
O2 LVG GR FAN (T)	0.00	0.00	0.00	0.00	0.00	+0.00
CO2 LVG AH (T)	3.78	3.78	3.78	0.00	0.00	+0.00
GAS TEMP LVG GR FA	0.00	0.00	0.00	0.00	0.00	+0.00
AIR ENT FD FAN	103.80	106.45	102.83	1.25	2.50	+2.41
LOAD MW	59.29	59.65	58.31	.46	.92	+1.55
MAIN STEAM FLOW	392.92	394.81	390.93	1.65	3.31	+.84
FW FLOW	406.21	415.06	401.85	4.32	8.65	+2.13
RH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
SH SPRAY FLOW	1.64	2.32	0.00	.80	1.60	+97.74
SH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
GR FAN AMPS	0.00	0.00	0.00	0.00	0.00	+0.00
GR FAN AMPS	42.72	43.62	41.06	.91	1.82	+4.26
1st STG PRESS	531.98	535.03	529.49	2.21	4.41	+.83
OIL FLOW 2A	.00	.00	.00	.00	.00	+20.07
OIL FLOW 2B	.00	.00	.00	0.00	0.00	+0.00
OIL FLOW 2C	.00	.00	.00	0.00	0.00	+0.00
SSH OUT T	971.94	985.35	935.78	17.08	34.15	+3.51
SSH OUT T	994.95	1006.21	955.33	17.68	35.37	+3.55
SSH OUT AVE T	985.74	995.22	949.04	16.48	32.96	+3.34
LVG SH ATTMP T	716.01	725.53	691.34	11.68	23.36	+3.26
LVG SH ATTMP T	740.46	750.57	719.33	10.40	20.81	+2.81
ECON H2O IN T	398.44	398.96	397.27	.59	1.18	+.30
LVG RH T	955.06	971.41	901.40	24.47	48.93	+5.12
COLD RH T	634.78	644.42	598.15	16.53	33.05	+5.21
TURB THROT P	1450.18	1451.09	1449.46	.63	1.26	+.09
DRUM PRESS	1492.11	1493.67	1491.08	.89	1.78	+.12
LVG RH PRESS	217.09	217.84	215.89	.64	1.28	+.59
ENT RH PRESS	228.20	229.07	227.25	.71	1.43	+.63
O2 LVG ECON	3.26	3.35	3.14	.07	.14	+4.40
O2 LVG ECON	2.88	2.96	2.83	.05	.10	+3.34

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
CYC A COAL FLOW KL	17.35	17.49	17.25	.08	.16	+.92
CYC B COAL FLOW KL	-.31	-.01	-.01	0.00	0.00	+0.00
CYC C COAL FLOW KL	17.36	17.49	17.27	.07	.15	+.84
CYC A SEC AIR FLOW	157.96	159.44	157.13	.78	1.55	+.98
CYC B SEC AIR FLOW	1.26	1.59	.87	.27	.53	+42.38
CYC C SEC AIR FLOW	157.97	158.71	156.64	.73	1.47	+.93
CYC A SEC AIR T	477.97	483.73	464.63	6.34	12.69	+2.65
CYC B SEC AIR T	513.42	520.03	497.60	7.51	15.03	+2.93
CYC C SEC AIR T	488.93	494.71	472.75	7.58	15.15	+3.10
RH SP VLV POS	-5.00	-5.00	-5.00	0.00	0.00	+0.00
SH SP VLV POS	27.67	30.39	0.00	19.78	39.56	+142.95
SH SP VLV POS	0.00	0.00	0.00	0.00	0.00	+0.00
GR DMPR DEMAND	74.12	80.02	59.73	7.84	15.68	+21.15
RECIRC AIR DMPR P	16.15	17.07	14.91	.68	1.35	+8.38
SH PASS DMPR P	.11	.24	0.00	.09	.18	+164.46
RH PASS DMPR P	100.00	100.00	100.00	0.00	0.00	+0.00
FURNACE GAS P IN	8.43	8.55	8.12	.15	.30	+3.58
AIR ENT AH T	179.85	181.12	178.52	.92	1.84	+1.02
AIR ENT AH T	168.18	169.95	165.54	1.64	3.28	+1.95
AIR ENT AH T	201.98	204.17	199.39	1.45	2.91	+1.44
AIR ENT AH T	200.88	203.77	198.28	2.09	4.17	+2.08
GAS LVG AH T	270.89	271.71	270.26	.49	.97	+.36
GAS LVG AH T	257.01	257.59	256.59	.35	.70	+.27
GAS LVG AH T	266.41	268.03	264.45	1.23	2.46	+.92
GAS LVG AH T	274.87	276.49	272.61	1.32	2.64	+.96
BRN SA/GR T	524.91	532.09	505.37	9.08	18.16	+3.46
BRN SEC AIR T	528.86	535.32	510.64	8.44	16.88	+3.19
GAS LVG RH PASS	578.12	584.83	561.10	8.05	16.11	+2.79
GAS LVG RH PASS	589.57	594.52	571.85	7.93	15.87	+2.69
GAS LVG RH PASS	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG RH PASS	621.97	629.40	601.98	9.55	19.10	+3.07
GAS LVG RH PASS	572.21	578.25	553.88	8.38	16.76	+2.93
GAS LVG RH PASS	584.74	589.54	566.74	8.04	16.08	+2.75
GAS LVG RH PASS	599.87	605.87	579.63	9.40	18.79	+3.13
GAS LVG RH PASS	592.25	597.93	571.41	9.45	18.91	+3.19
GAS LVG RH PASS	584.45	590.37	565.78	8.64	17.28	+2.96
GAS LVG RH PASS	606.95	615.73	584.05	10.88	21.77	+3.59
GAS LVG RH PASS	605.85	611.89	586.17	9.08	18.16	+3.00
GAS LVG RH PASS	609.48	613.87	592.44	7.65	15.29	+2.51
GAS LVG SH PASS	-304.69	-287.15	-314.99	9.44	18.88	-6.20
GAS LVG SH PASS	540.82	544.77	529.19	5.40	10.81	+2.00
GAS LVG SH PASS	554.88	560.40	540.09	6.96	13.92	+2.51
GAS LVG SH PASS	568.90	574.48	551.02	8.23	16.46	+2.89
GAS LVG SH PASS	517.85	521.43	506.39	5.32	10.64	+2.06
GAS LVG SH PASS	528.99	533.41	519.58	4.68	9.37	+1.77
GAS LVG SH PASS	534.75	539.32	522.07	6.02	12.05	+2.25
GAS LVG SH PASS	565.02	570.90	554.97	5.36	10.71	+1.90
GAS LVG SH PASS	543.82	546.45	537.38	3.10	6.21	+1.14
GAS LVG SH PASS	546.17	549.97	534.84	5.27	10.53	+1.93
GAS LVG SH PASS	544.32	548.94	531.59	5.98	11.95	+2.20
GAS LVG SH PASS	-442.72	-420.73	-450.89	10.16	20.31	-4.59
OFA TEMP	498.19	504.67	480.36	8.33	16.65	+3.34
PSH OUT LEG T	740.11	751.69	709.44	14.41	28.82	+3.89
PSH OUT LEG T	749.80	760.50	719.85	13.92	27.84	+3.71
PSH OUT LEG T	692.03	698.62	674.00	8.42	16.84	+2.43
PSH OUT LEG T	705.16	712.38	685.99	9.04	18.08	+2.56

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
PSH OUT LEG T	728.71	738.79	702.36	12.47	24.94	+3.42
PSH OUT LEG T	743.85	755.43	714.37	13.97	27.94	+3.76
PSH OUT LEG T	722.33	730.93	699.87	10.58	21.16	+2.93
PSH OUT LEG T	765.54	776.35	735.65	13.96	27.92	+3.65
PSH OUT LEG T	732.91	740.95	710.26	10.56	21.13	+2.88
PSH OUT LEG T	752.88	762.98	724.10	13.41	26.82	+3.56
PSH OUT LEG T	760.13	770.71	729.37	14.28	28.56	+3.76
PULV INLET T	472.98	479.71	453.54	8.98	17.97	+3.80
PULV OUTLET T	153.57	160.87	135.92	8.43	16.86	+10.98
RH PEND IN LEG	904.91	921.40	851.44	24.45	48.90	+5.40
RH PEND IN LEG	900.55	915.90	849.21	23.43	46.86	+5.20
RH PEND IN LEG	900.82	917.05	847.68	24.28	48.56	+5.39
RH PEND IN LEG	899.23	914.78	847.23	23.73	47.46	+5.28
RH PEND IN LEG	0.00	0.00	0.00	0.00	0.00	+0.00
RH PEND IN LEG	930.10	945.73	878.79	23.47	46.95	+5.05
RH PEND IN LEG	902.19	916.74	852.68	22.59	45.18	+5.01
RH PEND IN LEG	893.39	908.23	842.21	23.29	46.59	+5.21
RH PEND IN LEG	906.69	922.39	854.57	23.81	47.62	+5.25
RH PEND IN LEG	840.46	855.78	792.34	22.17	44.34	+5.28
SSH PEND IN LEG	832.56	840.93	803.70	13.02	26.04	+3.13
SSH PEND IN LEG	867.95	876.04	838.11	13.50	27.00	+3.11
SSH PEND IN LEG	887.08	894.90	858.11	13.20	26.41	+2.98
SSH PEND IN LEG	907.12	916.53	879.89	12.72	25.44	+2.80
SSH PEND IN LEG	881.47	890.03	857.94	11.13	22.25	+2.52
SSH PEND IN LEG	905.42	911.72	881.67	10.64	21.28	+2.35
SSH PEND IN LEG	890.75	899.48	864.94	12.19	24.38	+2.74
SSH PEND IN LEG	874.86	885.64	847.83	13.06	26.12	+2.99
SSH PEND IN LEG	861.13	873.06	832.64	13.76	27.52	+3.20
SSH PEND IN LEG	818.35	829.78	788.53	14.30	28.60	+3.49
RH INTM HND HOLE	894.73	915.38	834.04	28.00	56.00	+6.26
RH INTM HND HOLE	792.17	807.57	745.16	21.59	43.19	+5.45
BRN GAS REC DMPR P	38.80	44.40	30.24	5.13	10.25	+26.42
OVRFIRE AIR DMPR P	25.97	26.14	25.80	.14	.28	+1.09
BRN SEC AIR DMPR P	35.56	36.05	34.68	.48	.96	+2.70
FLAME INTENSITY #1	106.17	106.22	106.12	.04	.09	+.08
FLAME INTENSITY #2	105.46	105.61	105.32	.09	.18	+.17
FLAME INTENSITY #3	106.11	106.19	0.00	75.03	150.07	+141.42
FLAME INTENSITY #4	105.62	105.77	105.34	.18	.36	+.34
PULV DIFF P IN WG	6.16	6.38	6.10	.10	.19	+3.14
PULV AMPS	205.03	208.39	203.48	1.60	3.21	+1.56
ROT CLASS AMPS	40.47	40.72	40.27	.16	.33	+.81
PULV PA FAN AMPS	47.34	48.14	46.43	.68	1.36	+2.87
PULV PA FLOW	48.03	48.16	47.99	.06	.12	+.26
SEC AIR FLOW	42.89	43.08	42.63	.14	.29	+.67
OFA AIR FLOW	95.58	97.81	93.63	1.49	2.99	+3.13
GR TO SEC AIR	12.96	13.10	12.82	.11	.21	+1.66
BRN SEC AIR P IN	12.43	12.72	11.83	.30	.61	+4.87
O2 IN SEC AIR	16.83	16.86	16.80	.02	.04	+.22
BRN GAS REC P IN	12.10	12.38	11.48	.30	.60	+4.93
ROT CLASS RPM	155.73	155.80	155.64	.06	.13	+.08
PULV COAL FLOW KL	17.51	17.65	17.37	.09	.18	+1.03
ACCUREX CO PPM	62.12	63.97	59.64	1.46	2.91	+4.69
ACCUREX NOX PPM	287.95	295.52	282.12	4.56	9.13	+3.17
ACCUREX O2 %	3.10	3.14	3.01	.04	.08	+2.61
ACCUREX SOX PPM	1186.75	1222.41	1162.84	19.83	39.66	+3.34
COAL SILO LEVEL	82.91	89.44	79.57	3.31	6.62	+7.99
ROT CLASS DP IN WG	.31	.34	.30	.01	.02	+7.45
HOT PRI AIR DMPR P	99.52	100.00	98.75	.40	.81	+.81
AIR LVG FD FAN T	139.85	140.51	139.04	.44	.87	+.62
AIR LVG FD FAN T	138.52	140.16	137.34	.94	1.88	+1.35

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
FW HTR E ENT P	219.76	220.71	218.74	.67	1.33	+.61
BAROMETRIC P IN	29.21	29.21	29.20	.00	.00	+.01
REL HUMIDITY %	11.02	11.20	10.72	.17	.34	+3.04
GAS LVG ECON (T)	610.65	617.52	589.83	9.61	19.23	+3.15
GAS LVG ECON (T)	566.07	571.13	551.65	6.71	13.41	+2.37
GAS LVG RH (T)	262.72	263.97	261.17	.93	1.87	+.71
AIR ENT RH (T)	188.00	189.80	184.86	1.59	3.19	+1.70
1ST STG STM FLW	392.39	394.52	390.65	1.54	3.09	+.79
BLOW DOWN FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
GR FAN BUS VOLT	4160.00	4160.00	4160.00	0.00	0.00	+0.00
TOTAL GR FLOW	267.52	279.28	241.13	13.85	27.70	+10.35
GR TO SEC AIR	12.26	12.36	12.14	.08	.15	+1.24
GR TO FURN	255.26	266.93	228.87	13.87	27.74	+10.87
TMP AIR FLOW	26.34	33.78	19.00	5.08	10.15	+38.54
% PWDR RVP BASN CO	0.00	0.00	0.00	0.00	0.00	+0.00
CYCLONE STOIC	1.07	1.08	1.06	.01	.02	+1.94
REBRN WB STOIC	.64	.65	.64	.00	.01	+1.24
REBRN STOIC	.93	.93	.92	.01	.01	+1.33
LVG FURN STOIC	1.15	1.15	1.14	.00	.01	+.50
LVG ECON STOIC	1.16	1.17	1.16	.00	.01	+.49
AMBIENT AIR DB TEM	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG RH PS T	595.04	600.70	575.91	8.75	17.50	+2.94
GAS LVG SH PS T	544.55	548.64	532.71	5.59	11.18	+2.05
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	+0.00
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	+0.00
DRY BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	+0.00
WET BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	+0.00
AIR ENT RH P	0.00	0.00	0.00	0.00	0.00	+0.00
AIR LVG RH P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG SSH PLAT P	0.00	0.00	0.00	0.00	0.00	+0.00
ENT PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	+0.00
GAS ENT RH P	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG RH P	0.00	0.00	0.00	0.00	0.00	+0.00
SEC SH OUT P	0.00	0.00	0.00	0.00	0.00	+0.00

TEST F16 : 38 MW WITH REBURN : CLASSIFIER SPEED 180 RPM

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
O2 LVG ECON (T)	4.42	4.51	4.19	.12	.23	+5.30
O2 LVG ECON (T)	4.10	4.20	4.02	.06	.12	+3.01
CO2 LVG ECON (T)	15.04	15.21	14.95	.09	.18	+1.21
CO2 LVG ECON (T)	14.41	14.47	14.34	.05	.09	+.66
CO LVG ECON (T)	84.66	88.97	70.72	7.08	14.16	+16.73
CO LVG ECON (T)	90.03	97.42	81.00	5.71	11.42	+12.68
NOX LVG ECON (T)	357.51	365.74	353.31	5.09	10.18	+2.85
NOX LVG ECON (T)	386.89	392.52	382.84	3.54	7.07	+1.83
DRUM PRESS (T)	1434.58	1435.11	1433.81	.51	1.01	+.07
ENT RH-1 P (T)	0.00	0.00	0.00	0.00	0.00	+0.00
~~LVG RH-1 P (T)~~	~~133.23~~	~~134.67~~	~~131.60~~	~~1.00~~	~~2.00~~	~~+1.50~~
SEC SH OUT P (T)	1442.57	1443.15	1441.91	.49	.99	+.07
FW HTR E EXT P	129.48	131.02	127.70	1.08	2.16	+1.67
ECON H2O OUT T	442.00	442.80	440.70	.75	1.50	+.34
ECON H2O OUT T	418.49	419.01	417.78	.44	.87	+.21
AMBIENT AIR TEMP	100.81	101.75	99.87	.74	1.48	+1.47
PRI SH OUT T	682.36	684.47	678.70	2.16	4.31	+.63
PRI SH OUT T	700.46	702.65	695.94	2.51	5.01	+.72
AIR LVG AH T	0.00	0.00	0.00	0.00	0.00	+0.00
AIR LVG AH T	480.24	480.59	480.00	.25	.50	+.10
AIR LVG FD FAN T	145.00	146.91	144.00	1.02	2.04	+1.41
AIR LVG FD FAN T	149.89	151.70	148.94	1.01	2.03	+1.35
RH SPRAY H2O T	264.88	264.96	264.79	.06	.12	+.05
FW HTR E ENT T	302.50	303.21	301.78	.47	.94	+.31
FW HTR E EXT T	549.60	552.53	547.40	2.14	4.29	+.78
ENT RH T	545.48	548.50	543.09	2.29	4.58	+.84
FW HTR E DRN T	312.07	312.77	311.43	.53	1.06	+.34
FW HTR E LVG T	354.31	355.08	353.48	.52	1.05	+.30
O2 LVG AH (T)	6.48	6.56	6.40	.05	.11	+1.64
O2 LVG GR FAN (T)	0.00	0.00	0.00	0.00	0.00	+0.00
CO2 LVG AH (T)	3.78	3.78	3.78	0.00	0.00	+0.00
GAS TEMP LVG GR FA	0.00	0.00	0.00	0.00	0.00	+0.00
AIR ENT FD FAN	104.60	104.86	103.96	.34	.69	+.66
LOAD MW	37.96	38.40	37.55	.29	.58	+1.53
MAIN STEAM FLOW	269.07	271.05	266.75	1.40	2.80	+1.04
FW FLOW	277.61	279.10	272.95	2.34	4.69	+1.69
RH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
SH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
SH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
GR FAN AMPS	0.00	0.00	0.00	0.00	0.00	+0.00
GR FAN AMPS	36.12	36.30	35.85	.19	.39	+1.08
1st STG PRESS	333.49	337.10	330.57	2.20	4.40	+1.32
OIL FLOW 2A	.00	.00	.00	0.00	0.00	+0.00
OIL FLOW 2B	.00	.00	.00	0.00	0.00	+0.00
OIL FLOW 2C	.00	.00	.00	.00	.00	+13.06
SSH OUT T	942.46	943.30	941.73	.68	1.36	+.14
SSH OUT T	954.78	961.70	948.04	5.86	11.72	+1.23
SSH OUT AVE T	952.25	955.93	948.58	3.20	6.39	+.67
LVG SH ATTMP T	683.13	685.29	679.67	2.24	4.48	+.66
LVG SH ATTMP T	700.34	702.81	695.98	2.68	5.35	+.76
ECON H2O IN T	355.79	356.65	355.03	.52	1.03	+.29
LVG RH T	890.66	893.66	887.48	2.51	5.02	+.56
COLD RH T	552.01	555.19	549.80	2.18	4.37	+.79
TURB THROT P	1449.95	1450.42	1449.29	.37	.73	+.05
DRUM PRESS	1466.91	1467.55	1465.98	.59	1.19	+.08
LVG RH PRESS	132.10	133.57	130.71	.96	1.92	+1.46
ENT RH PRESS	136.51	137.95	135.37	.85	1.70	+1.25
O2 LVG ECON	3.95	4.04	3.90	.06	.11	+2.80
O2 LVG ECON	4.10	4.19	3.94	.08	.17	+4.07

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
CYC A COAL FLOW KL	.04	.04	.04	0.00	0.00	+0.00
CYC B COAL FLOW KL	19.55	19.87	18.94	.34	.67	+3.44
CYC C COAL FLOW KL	.01	.01	.01	0.00	0.00	+0.00
CYC A SEC AIR FLOW	1.47	2.50	.54	.82	1.65	+112.04
CYC B SEC AIR FLOW	194.03	197.57	186.12	4.24	8.48	+4.37
CYC C SEC AIR FLOW	.60	1.20	0.00	.49	.98	+163.33
CYC A SEC AIR T	414.42	417.90	411.61	2.34	4.67	+1.13
CYC B SEC AIR T	472.49	472.85	472.29	.21	.43	+.09
CYC C SEC AIR T	430.36	434.34	427.24	2.64	5.28	+1.23
RH SP VLV POS	-5.00	-5.00	-5.00	0.00	0.00	+0.00
SH SP VLV POS	0.00	0.00	0.00	0.00	0.00	+0.00
SH SP VLV POS	0.00	0.00	0.00	0.00	0.00	+0.00
GR DMPR DEMAND	40.89	40.89	40.89	0.00	0.00	+0.00
RECIRC AIR DMPR P	11.18	11.87	10.35	.65	1.30	+11.66
SH PASS DMPR P	.19	.36	0.00	.20	.40	+212.37
RH PASS DMPR P	100.00	100.00	100.00	0.00	0.00	+0.00
FURNACE GAS P IN	4.63	4.70	4.52	.07	.14	+3.05
AIR ENT AH T	180.97	183.65	178.57	1.98	3.96	+2.19
AIR ENT AH T	186.13	187.15	185.26	.63	1.26	+.67
AIR ENT AH T	202.66	204.98	201.47	1.31	2.63	+1.30
AIR ENT AH T	189.69	192.79	186.62	2.61	5.22	+2.75
GAS LVG AH T	269.41	271.79	266.86	1.89	3.78	+1.40
GAS LVG AH T	247.28	249.36	244.90	1.74	3.49	+1.41
GAS LVG AH T	258.59	260.54	256.72	1.45	2.90	+1.12
GAS LVG AH T	266.52	268.61	264.36	1.64	3.28	+1.23
BRN SA/GR T	450.71	452.35	449.38	1.09	2.18	+.48
BRN SEC AIR T	440.64	442.01	439.81	.91	1.82	+.41
GAS LVG RH PASS	518.05	520.47	514.19	2.31	4.62	+.89
GAS LVG RH PASS	526.29	528.55	522.90	2.17	4.34	+.82
GAS LVG RH PASS	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG RH PASS	542.34	544.80	537.74	2.60	5.19	+.96
GAS LVG RH PASS	511.17	513.23	507.62	2.04	4.08	+.80
GAS LVG RH PASS	519.86	522.35	515.74	2.46	4.92	+.95
GAS LVG RH PASS	525.45	527.59	521.86	2.02	4.03	+.77
GAS LVG RH PASS	519.85	521.92	516.33	2.06	4.11	+.79
GAS LVG RH PASS	523.22	525.21	520.29	1.77	3.55	+.68
GAS LVG RH PASS	539.60	541.53	536.44	1.92	3.84	+.71
GAS LVG RH PASS	537.31	539.42	533.80	2.03	4.07	+.76
GAS LVG RH PASS	535.08	537.32	531.40	2.22	4.43	+.83
GAS LVG SH PASS	-263.24	-251.16	-272.75	9.20	18.40	-6.99
GAS LVG SH PASS	476.99	478.87	473.91	2.12	4.24	+.89
GAS LVG SH PASS	482.54	485.49	477.90	2.81	5.62	+1.16
GAS LVG SH PASS	501.73	504.69	498.23	2.50	4.99	+.99
GAS LVG SH PASS	460.92	462.40	458.25	1.84	3.67	+.80
GAS LVG SH PASS	466.31	467.33	465.62	.67	1.34	+.29
GAS LVG SH PASS	468.82	471.03	465.52	2.07	4.15	+.89
GAS LVG SH PASS	496.19	500.80	488.50	4.73	9.47	+1.91
GAS LVG SH PASS	483.67	485.26	481.69	1.29	2.58	+.53
GAS LVG SH PASS	493.64	495.80	488.25	2.90	5.80	+1.17
GAS LVG SH PASS	485.51	486.95	481.80	1.89	3.78	+.78
GAS LVG SH PASS	-365.67	-363.99	-368.02	1.50	3.00	-.82
OFA TEMP	433.96	435.64	432.58	1.15	2.31	+.53
PSH OUT LEG T	698.85	701.48	696.05	2.21	4.41	+.63
PSH OUT LEG T	701.88	704.63	698.64	2.44	4.88	+.70
PSH OUT LEG T	670.97	672.78	668.39	1.81	3.61	+.54
PSH OUT LEG T	682.62	684.50	679.65	1.96	3.92	+.57

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
PSH OUT LEG T	695.05	697.15	691.82	2.14	4.28	+.62
PSH OUT LEG T	700.23	702.40	696.91	2.19	4.38	+.62
PSH OUT LEG T	684.26	686.46	681.15	2.02	4.04	+.59
PSH OUT LEG T	710.36	712.78	706.23	2.59	5.18	+.73
PSH OUT LEG T	694.98	696.94	691.46	2.20	4.39	+.63
PSH OUT LEG T	710.60	712.71	706.91	2.33	4.67	+.66
PSH OUT LEG T	716.72	718.95	712.92	2.40	4.80	+.67
PULV INLET T	431.95	434.64	429.96	1.71	3.43	+.79
PULV OUTLET T	162.50	163.88	161.09	1.04	2.08	+1.28
RH PEND IN LEG	834.53	837.11	831.37	2.25	4.51	+.54
RH PEND IN LEG	831.47	834.59	827.05	2.97	5.94	+.71
RH PEND IN LEG	831.97	834.70	828.44	2.49	4.98	+.60
RH PEND IN LEG	830.16	833.18	826.02	2.82	5.65	+.68
RH PEND IN LEG	0.00	0.00	0.00	0.00	0.00	+0.00
RH PEND IN LEG	852.16	854.39	848.74	2.20	4.41	+.52
RH PEND IN LEG	822.92	824.94	819.71	1.94	3.87	+.47
RH PEND IN LEG	820.69	823.24	817.36	2.12	4.24	+.52
RH PEND IN LEG	835.08	837.79	831.39	2.50	5.00	+.60
RH PEND IN LEG	791.66	794.32	788.40	2.23	4.46	+.56
SSH PEND IN LEG	813.48	818.85	807.13	4.84	9.69	+1.19
SSH PEND IN LEG	849.79	855.15	843.81	4.80	9.60	+1.13
SSH PEND IN LEG	872.23	876.94	866.63	4.47	8.94	+1.03
SSH PEND IN LEG	894.30	897.44	889.80	3.43	6.85	+.77
SSH PEND IN LEG	869.12	870.68	866.21	2.05	4.10	+.47
SSH PEND IN LEG	897.25	898.50	895.70	1.09	2.19	+.24
SSH PEND IN LEG	885.49	886.71	884.28	1.01	2.02	+.23
SSH PEND IN LEG	868.14	869.50	867.32	.83	1.66	+.19
SSH PEND IN LEG	853.08	854.54	851.84	.95	1.90	+.22
SSH PEND IN LEG	807.86	810.27	805.62	1.75	3.50	+.43
RH INTM HND HOLE	832.46	833.32	831.83	.69	1.38	+.17
RH INTM HND HOLE	745.51	747.33	744.13	1.29	2.57	+.34
BRN GAS REC DMPR P	23.53	25.91	22.08	1.62	3.24	+13.76
OVRFIRE AIR DMPR P	23.26	23.41	22.98	.15	.30	+1.30
BRN SEC AIR DMPR P	32.88	33.08	32.75	.11	.23	+.69
FLAME INTENSITY #1	106.13	106.19	106.09	.04	.09	+.08
FLAME INTENSITY #2	105.74	105.89	105.66	.08	.16	+.15
FLAME INTENSITY #3	106.10	106.10	0.00	106.10	212.21	+200.00
FLAME INTENSITY #4	105.83	105.96	105.69	.11	.22	+.21
PULV DIFF P IN WG	6.00	6.02	5.96	.03	.05	+.85
PULV AMPS	200.16	200.46	199.85	.25	.50	+.25
ROT CLASS AMPS	43.46	43.58	43.37	.07	.15	+.34
PULV PA FAN AMPS	44.46	45.42	43.83	.59	1.18	+2.64
PULV PA FLOW	48.00	48.05	47.95	.04	.08	+.16
SEC AIR FLOW	44.00	44.17	43.89	.10	.20	+.46
OFA AIR FLOW	80.99	81.93	79.79	.78	1.57	+1.94
GR TO SEC AIR	12.99	13.12	12.92	.07	.15	+1.15
BRN SEC AIR P IN	7.99	8.15	7.82	.11	.21	+2.68
O2 IN SEC AIR	17.14	17.16	17.11	.02	.04	+.26
BRN GAS REC P IN	7.56	7.72	7.44	.11	.21	+2.81
ROT CLASS RPM	181.27	181.32	181.25	.02	.05	+.03
PULV COAL FLOW KL	15.50	15.51	15.49	.01	.02	+.15
ACCUREX CO PPM	44.09	45.24	42.56	1.15	2.31	+5.23
ACCUREX NOX PPM	337.76	342.49	333.36	3.64	7.28	+2.16
ACCUREX O2 %	4.34	4.39	4.20	.07	.13	+3.07
ACCUREX SOX PPM	1119.18	1159.38	1096.73	24.38	48.77	+4.36
COAL SILO LEVEL	72.46	74.50	70.39	1.51	3.03	+4.18
ROT CLASS DP IN WG	.39	.39	.38	.00	.01	+2.30
HOT PRI AIR DMPR P	99.60	99.77	99.31	.18	.35	+.36
AIR LVG FD FAN T	143.51	145.30	142.50	.99	1.99	+1.39
AIR LVG FD FAN T	148.56	150.33	147.58	1.02	2.03	+1.37

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
FW HTR E ENT P	129.43	129.79	127.22	.84	1.68	+1.31
BAROMETRIC P IN	29.39	29.39	29.39	.00	.00	+.01
REL HUMIDITY %	10.69	10.98	10.52	.18	.36	+3.34
GAS LVG ECON (T)	540.50	542.33	536.49	2.14	4.28	+.79
GAS LVG ECON (T)	502.87	504.51	499.42	1.88	3.77	+.75
GAS LVG AH (T)	257.99	260.13	255.99	1.60	3.20	+1.24
AIR ENT AH (T)	190.19	192.52	187.67	1.75	3.50	+1.84
1ST STG STM FLW	253.45	255.97	251.40	1.54	3.08	+1.21
BLOW DOWN FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
GR FAN BUS VOLT	4160.00	4160.00	4160.00	0.00	0.00	+0.00
TOTAL GR FLOW	168.22	170.72	165.40	2.12	4.24	+2.52
GR TO SEC AIR	12.17	12.29	12.08	.08	.16	+1.27
GR TO FURN	156.05	158.48	153.27	2.07	4.15	+2.66
TMP AIR FLOW	36.54	39.01	33.43	2.63	5.26	+14.41
% PWDR RVR BASN CO	0.00	0.00	0.00	0.00	0.00	+0.00
CYCLONE STOIC	1.07	1.08	1.05	.01	.03	+2.41
REBRN WB STOIC	.74	.74	.74	.00	.00	+.22
REBRN STOIC	.94	.95	.93	.01	.01	+1.13
LVG FURN STOIC	1.21	1.22	1.20	.00	.01	+.72
LVG ECON STOIC	1.23	1.24	1.23	.00	.01	+.68
AMBIENT AIR DB TEM	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG RH PS T	527.11	529.25	523.48	2.14	4.27	+.81
GAS LVG SH PS T	481.63	483.33	478.03	2.07	4.13	+.86
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	+0.00
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	+0.00
DRY BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	+0.00
WET BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	+0.00
AIR ENT AH P	0.00	0.00	0.00	0.00	0.00	+0.00
AIR LVG AH P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG SSH PLAT P	0.00	0.00	0.00	0.00	0.00	+0.00
ENT PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	+0.00
GAS ENT AH P	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG AH P	0.00	0.00	0.00	0.00	0.00	+0.00
SEC SH OUT P	0.00	0.00	0.00	0.00	0.00	+0.00

TEST F17 : 58 MW WITH FEBURN : 1 CYCLONE OPERATION

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
O2 LVG ECON (T)	3.23	3.56	2.77	.32	.64	+19.80
O2 LVG ECON (T)	2.40	2.78	2.13	.21	.43	+17.87
CO2 LVG ECON (T)	15.72	16.42	15.13	.57	1.14	+7.24
CO2 LVG ECON (T)	15.76	16.02	15.37	.24	.47	+2.99
CO LVG ECON (T)	126.07	142.28	120.18	7.26	14.53	+11.53
CO LVG ECON (T)	105.09	191.93	3.78	62.00	124.01	+118.01
NOX LVG ECON (T)	289.74	319.50	268.33	15.79	31.58	+10.90
NOX LVG ECON (T)	296.28	323.47	283.49	11.76	23.53	+7.94
DRUM PRESS (T)	1463.80	1473.83	1455.56	6.42	12.85	+.88
~~ENT RH-1 P (T)~~	~~0.00~~	~~0.00~~	~~0.00~~	~~0.00~~	~~0.00~~	~~+0.00~~
LVG RH-1 P (T)	218.10	219.89	216.77	1.03	2.06	+.95
SEC SH OUT P (T)	1455.76	1466.90	1446.22	7.09	14.18	+.97
FW HTR E EXT P	220.57	222.31	219.23	1.02	2.04	+.92
ECON H2O OUT T	488.31	489.99	486.53	1.29	2.58	+.53
ECON H2O OUT T	455.03	456.92	454.19	.89	1.77	+.39
AMBIENT AIR TEMP	99.00	100.13	98.14	.66	1.32	+1.33
PRI SH OUT T	732.59	745.57	728.57	5.67	11.35	+1.55
PRI SH OUT T	761.87	769.81	755.37	4.26	8.51	+1.12
AIR LVG AH T	0.00	0.00	0.00	0.00	0.00	+0.00
AIR LVG AH T	535.35	537.35	532.75	1.36	2.72	+.51
AIR LVG FD FAN T	139.92	140.94	138.26	.86	1.72	+1.23
AIR LVG FD FAN T	140.01	140.42	139.27	.42	.83	+.59
RH SPRAY H2O T	269.91	270.46	269.26	.50	.99	+.37
FW HTR E ENT T	337.34	342.08	336.20	1.93	3.86	+1.14
FW HTR E EXT T	645.56	650.76	641.78	2.47	4.94	+.77
ENT RH T	640.37	645.94	636.94	2.53	5.07	+.79
FW HTR E DRN T	347.73	348.06	347.04	.33	.66	+.19
FW HTR E LVG T	396.80	397.25	396.57	.23	.46	+.12
O2 LVG AH (T)	4.82	5.01	4.50	.21	.42	+8.77
O2 LVG GR FAN (T)	1.81	1.81	0.00	1.81	3.61	+200.00
CO2 LVG AH (T)	3.78	3.78	3.78	0.00	0.00	+0.00
GAS TEMP LVG GR FA	0.00	0.00	0.00	0.00	0.00	+0.00
AIR ENT FD FAN	103.60	104.57	102.80	.80	1.60	+1.54
LOAD MW	59.19	59.39	58.82	.18	.37	+.62
MAIN STEAM FLOW	390.73	392.43	388.97	1.14	2.28	+.58
FW FLOW	400.61	406.36	393.58	3.90	7.79	+1.94
RH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
SH SPRAY FLOW	2.99	3.77	0.00	2.80	5.61	+187.21
SH SPRAY FLOW	10.18	14.27	5.94	2.25	4.50	+44.23
GR FAN AMPS	0.00	0.00	0.00	0.00	0.00	+0.00
GR FAN AMPS	40.70	41.54	40.11	.44	.88	+2.16
1st STG PRESS	528.13	533.44	524.82	2.59	5.17	+.98
OIL FLOW 2A	.00	.00	.00	0.00	0.00	+0.00
OIL FLOW 2B	.00	.00	.00	0.00	0.00	+0.00
OIL FLOW 2C	.00	.00	.00	.00	.00	+10.79
SSH OUT T	986.17	997.08	977.56	6.97	13.93	+1.41
SSH OUT T	1003.91	1024.21	981.86	13.72	27.44	+2.73
SSH OUT AVE T	998.79	1004.98	992.47	3.53	7.07	+.71
LVG SH ATTMP T	729.27	736.03	714.94	7.56	15.13	+2.07
LVG SH ATTMP T	683.32	689.68	677.08	4.25	8.49	+1.24
ECON H2O IN T	398.78	399.31	398.12	.40	.80	+.20
LVG RH T	971.00	977.09	962.25	5.01	10.02	+1.03
COLD RH T	647.78	653.45	643.73	2.70	5.41	+.83
TURB THROT P	1456.70	1467.37	1446.77	6.70	13.41	+.92
DRUM PRESS	1496.62	1507.00	1486.21	6.58	13.15	+.88
LVG RH PRESS	216.14	217.93	214.60	1.17	2.35	+1.09
ENT RH PRESS	227.12	228.22	226.05	.83	1.67	+.73
O2 LVG ECON	2.50	2.82	2.29	.16	.33	+13.04
O2 LVG ECON	3.14	3.47	2.72	.30	.59	+18.90

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
CYC A COAL FLOW KL	.04	.04	.04	0.00	0.00	+0.00
CYC B COAL FLOW KL	35.15	35.68	34.88	.29	.57	+1.63
CYC C COAL FLOW KL	.01	.01	.01	0.00	0.00	+0.00
CYC A SEC AIR FLOW	2.13	6.98	.40	2.10	4.20	+197.47
CYC B SEC AIR FLOW	329.60	338.01	325.55	4.27	8.54	+2.59
CYC C SEC AIR FLOW	2.06	3.73	0.00	2.11	4.22	+204.42
CYC A SEC AIR T	440.81	444.50	436.33	2.98	5.95	+1.35
CYC B SEC AIR T	517.03	520.81	514.11	2.66	5.31	+1.03
CYC C SEC AIR T	462.23	466.42	457.55	3.18	6.37	+1.38
RH SP VLV POS	-5.00	-5.00	-5.00	0.00	0.00	+0.00
SH SP VLV POS	58.98	66.53	42.43	7.08	14.17	+24.02
SH SP VLV POS	23.10	33.70	0.00	17.14	34.28	+148.39
GR DMPR DEMAND	61.22	64.73	60.71	1.42	2.84	+4.64
RECIRC AIR DMPR P	15.92	16.87	15.31	.66	1.32	+8.26
SH PASS DMPR P	2.40	2.40	2.40	0.00	0.00	+0.00
RH PASS DMPR P	100.00	100.00	100.00	0.00	0.00	+0.00
FURNACE GAS P IN	8.01	8.20	7.76	.15	.31	+3.85
AIR ENT AH T	178.26	181.28	175.82	2.13	4.25	+2.39
AIR ENT AH T	169.20	174.27	165.22	3.56	7.11	+4.20
AIR ENT AH T	199.35	202.07	196.69	2.00	3.99	+2.00
AIR ENT AH T	197.58	201.17	193.69	2.92	5.84	+2.96
GAS LVG AH T	272.24	274.53	269.19	2.04	4.08	+1.50
GAS LVG AH T	256.33	260.00	251.96	3.15	6.29	+2.45
GAS LVG AH T	265.41	268.11	261.44	2.63	5.25	+1.98
GAS LVG AH T	274.01	276.78	270.04	2.64	5.28	+1.93
BRN SA/GR T	504.07	506.68	500.79	2.14	4.29	+.85
BRN SEC AIR T	491.74	494.33	489.91	1.65	3.31	+.67
GAS LVG RH PASS	593.50	596.24	589.33	2.51	5.02	+.85
GAS LVG RH PASS	598.74	602.40	595.03	2.66	5.33	+.89
GAS LVG RH PASS	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG RH PASS	655.12	662.11	647.72	5.48	10.95	+1.67
GAS LVG RH PASS	585.84	589.72	584.07	1.68	3.37	+.58
GAS LVG RH PASS	596.61	599.52	592.80	2.23	4.45	+.75
GAS LVG RH PASS	621.51	626.20	617.59	2.82	5.64	+.91
GAS LVG RH PASS	614.30	619.92	608.18	4.26	8.52	+1.39
GAS LVG RH PASS	600.43	603.12	597.07	2.20	4.41	+.73
GAS LVG RH PASS	629.65	633.03	625.86	2.60	5.20	+.83
GAS LVG RH PASS	628.81	632.98	624.21	3.08	6.16	+.98
GAS LVG RH PASS	629.47	633.56	625.13	3.15	6.30	+1.00
GAS LVG SH PASS	-313.47	-306.18	-320.41	6.04	12.08	-3.85
GAS LVG SH PASS	548.31	549.19	547.26	.76	1.52	+.28
GAS LVG SH PASS	562.55	564.41	560.44	1.46	2.91	+.52
GAS LVG SH PASS	586.39	592.33	580.97	5.04	10.08	+1.72
GAS LVG SH PASS	522.71	524.30	520.67	1.34	2.67	+.51
GAS LVG SH PASS	536.93	537.75	534.95	1.02	2.05	+.38
GAS LVG SH PASS	543.13	544.30	542.60	.54	1.08	+.20
GAS LVG SH PASS	589.35	591.98	587.05	1.45	2.90	+.49
GAS LVG SH PASS	555.32	559.61	551.63	2.68	5.36	+.97
GAS LVG SH PASS	556.51	560.03	553.83	2.35	4.70	+.85
GAS LVG SH PASS	555.03	557.03	553.42	1.29	2.57	+.46
GAS LVG SH PASS	-460.01	-455.53	-464.83	3.75	7.51	-1.63
OFA TEMP	478.32	482.01	474.28	2.86	5.73	+1.20
PSH OUT LEG T	762.96	768.51	759.45	2.96	5.91	+.77
PSH OUT LEG T	766.38	770.64	764.11	1.91	3.81	+.50
PSH OUT LEG T	708.05	710.89	707.00	1.29	2.58	+.36
PSH OUT LEG T	722.56	728.41	720.48	2.55	5.10	+.71

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
PSH OUT LEG T	754.16	763.75	750.71	4.39	8.79	+1.16
PSH OUT LEG T	764.54	773.34	760.97	4.00	7.99	+1.05
PSH OUT LEG T	736.86	741.08	735.03	2.08	4.16	+.56
PSH OUT LEG T	781.71	787.93	779.38	2.76	5.53	+.71
PSH OUT LEG T	749.45	752.08	747.11	1.81	3.61	+.48
PSH OUT LEG T	773.47	777.28	769.04	3.55	7.11	+.92
PSH OUT LEG T	783.65	788.36	778.54	4.12	8.24	+1.05
PULV INLET T	475.53	479.46	471.65	2.74	5.48	+1.15
PULV OUTLET T	165.63	167.17	163.56	1.15	2.31	+1.39
RH PEND IN LEG	921.54	929.20	911.55	5.83	11.66	+1.27
RH PEND IN LEG	928.16	938.98	917.96	7.61	15.22	+1.64
RH PEND IN LEG	921.31	929.92	911.63	6.13	12.26	+1.33
RH PEND IN LEG	922.85	932.52	913.13	6.82	13.63	+1.48
RH PEND IN LEG	0.00	0.00	0.00	0.00	0.00	+0.00
RH PEND IN LEG	937.87	945.43	924.83	7.24	14.49	+1.54
RH PEND IN LEG	893.98	902.73	882.46	7.04	14.08	+1.58
RH PEND IN LEG	881.95	891.32	872.44	6.43	12.85	+1.46
RH PEND IN LEG	922.90	931.26	912.38	6.32	12.63	+1.37
RH PEND IN LEG	852.88	857.38	846.70	3.52	7.04	+.83
SSH PEND IN LEG	810.64	832.75	799.85	13.85	27.69	+3.42
SSH PEND IN LEG	846.31	867.11	830.78	13.10	26.20	+3.10
SSH PEND IN LEG	868.46	885.81	849.28	11.14	22.29	+2.57
SSH PEND IN LEG	886.51	902.81	867.78	10.26	20.52	+2.32
SSH PEND IN LEG	862.27	877.01	846.46	8.46	16.92	+1.96
SSH PEND IN LEG	905.05	914.42	897.44	4.92	9.84	+1.09
SSH PEND IN LEG	920.87	925.24	908.15	5.82	11.63	+1.26
SSH PEND IN LEG	895.12	901.74	882.30	6.28	12.57	+1.40
SSH PEND IN LEG	869.98	878.77	857.14	6.98	13.96	+1.60
SSH PEND IN LEG	831.30	836.66	816.11	7.56	15.12	+1.82
RH INTM HND HOLE	918.58	923.09	912.24	3.93	7.87	+.86
RH INTM HND HOLE	810.03	813.86	805.11	2.90	5.80	+.72
BRN GAS REC DMPR P	32.05	33.57	30.26	1.13	2.25	+7.02
OVRFIRE AIR DMPR P	26.75	27.55	25.75	.86	1.72	+6.45
BRN SEC AIR DMPR P	35.27	35.41	35.13	.10	.20	+.58
FLAME INTENSITY #1	106.15	106.21	106.09	.04	.09	+.08
FLAME INTENSITY #2	105.59	105.71	105.40	.10	.21	+.20
FLAME INTENSITY #3	106.13	106.19	0.00	80.23	160.46	+151.19
FLAME INTENSITY #4	104.05	105.80	94.49	3.87	7.74	+7.44
PULV DIFF P IN WG	6.23	6.27	6.20	.03	.06	+.89
PULV AMPS	201.68	202.26	201.42	.29	.58	+.29
ROT CLASS AMPS	40.23	40.28	40.19	.03	.07	+.16
PULV PA FAN AMPS	49.25	49.73	48.25	.52	1.04	+2.12
PULV PA FLOW	47.99	48.02	47.97	.02	.03	+.07
SEC AIR FLOW	43.31	43.55	43.20	.12	.23	+.54
OFA AIR FLOW	103.97	110.61	96.14	6.58	13.16	+12.66
GR TO SEC AIR	13.02	13.12	12.86	.09	.19	+1.44
BRN SEC AIR P IN	11.99	12.19	11.74	.18	.36	+2.97
O2 IN SEC AIR	16.79	16.84	16.69	.05	.10	+.60
BRN GAS REC P IN	11.60	11.80	11.37	.16	.32	+2.75
ROT CLASS RPM	160.57	160.62	160.53	.03	.06	+.04
PULV COAL FLOW KL	17.10	17.18	16.98	.06	.13	+.75
ACCUREX CO PPM	58.49	76.69	50.35	7.97	15.94	+27.26
ACCUREX NOX PPM	278.69	305.01	262.00	14.20	28.40	+10.19
ACCUREX O2 %	2.96	3.16	2.65	.19	.39	+13.00
ACCUREX SOX PPM	1262.69	1292.10	1197.74	35.58	71.17	+5.64
COAL SILO LEVEL	55.76	60.71	50.91	3.74	7.48	+13.42
ROT CLASS DP IN WG	.29	.30	.29	.00	.01	+2.93
HOT PRI AIR DMPR P	99.33	99.59	98.86	.26	.52	+.52
AIR LVG FD FAN T	138.44	139.58	136.82	.88	1.77	+1.28
AIR LVG FD FAN T	138.43	139.01	137.58	.47	.94	+.68

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
FW HTR E EXT P	219.25	220.63	217.44	.98	1.96	+.89
BAROMETRIC P IN	29.41	29.42	29.40	.01	.02	+.06
REL HUMIDITY %	10.67	10.87	10.48	.17	.34	+3.16
GAS LVG ECON (T)	625.88	629.30	620.96	2.98	5.95	+.95
GAS LVG ECON (T)	579.21	581.62	576.29	1.99	3.98	+.69
GAS LVG AH (T)	262.76	264.92	260.06	1.93	3.85	+1.47
AIR ENT AH (T)	186.39	189.43	183.74	2.12	4.25	+2.28
1ST STG STM FLW	389.69	393.41	387.37	1.81	3.62	+.93
BLOW DOWN FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
GR FAN BUS VOLT	4160.00	4160.00	4160.00	0.00	0.00	+0.00
TOTAL GR FLOW	243.47	255.26	235.74	6.07	12.14	+4.99
GR TO SEC AIR	12.49	12.61	12.33	.10	.20	+1.63
GR TO FURN	230.98	242.65	223.23	6.00	12.00	+5.19
TMP AIR FLOW	14.00	20.46	0.00	8.33	16.66	+119.01
% PWDR RVR BASN CO	0.00	0.00	0.00	0.00	0.00	+0.00
CYCLONE STOIC	1.11	1.19	1.09	.03	.07	+6.09
REBRN WB STOIC	.66	.67	.66	.00	.01	+.91
REBRN STOIC	.90	.93	.89	.01	.02	+2.56
LVG FURN STOIC	1.14	1.15	1.12	.01	.03	+2.38
LVG ECON STOIC	1.16	1.17	1.13	.01	.03	+2.34
AMBIENT AIR DB TEM	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG RH PS T	614.00	616.95	609.80	2.53	5.06	+.82
GAS LVG SH PS T	555.62	557.01	553.96	1.28	2.57	+.46
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	+0.00
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	+0.00
DRY BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	+0.00
WET BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	+0.00
AIR ENT AH P	0.00	0.00	0.00	0.00	0.00	+0.00
AIR LVG AH P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG SSH PLAT P	0.00	0.00	0.00	0.00	0.00	+0.00
ENT PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	+0.00
GAS ENT AH P	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG AH P	0.00	0.00	0.00	0.00	0.00	+0.00
SEC SH OUT P	0.00	0.00	0.00	0.00	0.00	+0.00

TEST F18 : 58 MW WITH REBURN : HIGH EXCESS AIR

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
O2 LVG ECON (T)	3.87	3.96	3.81	.05	.10	+2.49
O2 LVG ECON (T)	4.01	4.04	3.93	.03	.07	+1.67
CO2 LVG ECON (T)	15.38	15.47	15.27	.07	.13	+.85
CO2 LVG ECON (T)	14.34	14.43	14.29	.04	.08	+.54
CO LVG ECON (T)	136.59	140.92	131.59	3.56	7.12	+5.21
CO LVG ECON (T)	123.92	125.20	121.87	1.20	2.41	+1.94
NOX LVG ECON (T)	316.68	320.75	309.02	3.52	7.03	+2.22
NOX LVG ECON (T)	344.55	354.20	330.08	7.31	14.62	+4.24
DRUM PRESS (T)	1457.09	1457.86	1456.27	.47	.95	+.06
ENT RH-1 P (T)	0.00	0.00	0.00	0.00	0.00	+0.00
LVG RH-1 P (T)	215.70	217.23	213.35	1.40	2.80	+1.30
SEC SH OUT P (T)	1448.82	1449.55	1447.66	.65	1.31	+.09
FW HTR E EXT P	218.06	219.66	215.53	1.48	2.96	+1.36
ECON H2O OUT T	491.34	493.61	489.87	.96	1.91	+.39
ECON H2O OUT T	454.62	459.93	452.76	1.95	3.89	+.86
AMBIENT AIR TEMP	97.91	99.18	96.35	.97	1.95	+1.99
PRI SH OUT T	728.43	730.45	724.92	1.64	3.29	+.45
PRI SH OUT T	758.30	760.15	754.27	1.79	3.58	+.47
AIR LVG AH T	0.00	0.00	0.00	0.00	0.00	+0.00
AIR LVG AH T	549.30	551.61	544.80	2.10	4.19	+.76
AIR LVG FD FAN T	137.48	138.37	136.37	.63	1.27	+.92
AIR LVG FD FAN T	138.10	139.02	137.23	.50	1.00	+.72
RH SPRAY H2O T	269.50	269.97	269.16	.26	.52	+.19
FW HTR E ENT T	336.16	336.67	335.21	.56	1.11	+.33
FW HTR E EXT T	648.99	650.39	645.59	1.35	2.71	+.42
ENT RH T	643.61	645.00	641.27	1.01	2.02	+.31
FW HTR E DRN T	348.41	349.13	347.72	.45	.90	+.26
FW HTR E LVG T	396.23	396.90	395.30	.52	1.05	+.26
O2 LVG AH (T)	5.61	5.70	5.56	.04	.09	+1.56
O2 LVG GR FAN (T)	0.00	0.00	0.00	0.00	0.00	+0.00
CO2 LVG AH (T)	3.78	3.78	3.78	0.00	0.00	+0.00
GAS TEMP LVG GR FA	0.00	0.00	0.00	0.00	0.00	+0.00
AIR ENT FD FAN	102.36	103.07	101.64	.39	.79	+.77
LOAD MW	58.78	59.25	58.13	.42	.84	+1.43
MAIN STEAM FLOW	385.39	388.94	381.32	2.39	4.77	+1.24
FW FLOW	395.56	399.26	389.44	3.46	6.92	+1.75
RH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
SH SPRAY FLOW	1.29	1.46	0.00	.87	1.74	+135.01
SH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
GR FAN AMPS	0.00	0.00	0.00	0.00	0.00	+0.00
GR FAN AMPS	39.24	40.41	38.27	.77	1.53	+3.91
1st STG PRESS	519.90	523.09	516.73	2.28	4.55	+.88
OIL FLOW 2A	.00	.00	.00	.00	.00	+6.11
OIL FLOW 2B	.00	.00	.00	0.00	0.00	+0.00
OIL FLOW 2C	.00	.00	.00	0.00	0.00	+0.00
SSH OUT T	1000.24	1007.74	996.54	3.30	6.59	+.66
SSH OUT T	999.62	1002.60	995.97	2.06	4.13	+.41
SSH OUT AVE T	1002.82	1004.22	1000.32	1.15	2.30	+.23
LVG SH ATTMP T	717.71	725.07	712.96	3.93	7.85	+1.09
LVG SH ATTMP T	753.67	761.07	748.30	4.21	8.43	+1.12
ECON H2O IN T	397.91	398.58	396.84	.59	1.19	+.30
LVG RH T	998.75	1002.26	990.37	3.72	7.44	+.74
COLD RH T	650.97	652.58	647.76	1.31	2.63	+.40
TURB THROT P	1450.30	1451.04	1449.52	.48	.95	+.07
DRUM PRESS	1489.66	1490.65	1488.86	.50	.99	+.07
LVG RH PRESS	214.05	215.82	211.64	1.42	2.85	+1.33
ENT RH PRESS	224.44	226.13	222.34	1.36	2.72	+1.21
O2 LVG ECON	4.23	4.29	4.10	.06	.11	+2.60
O2 LVG ECON	3.73	3.82	3.64	.06	.12	+3.12

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
CYC A COAL FLOW KL	17.07	17.21	16.88	.11	.21	+1.24
CYC B COAL FLOW KL	-.01	-.01	-.01	0.00	0.00	+0.00
CYC C COAL FLOW KL	17.05	17.22	16.88	.10	.20	+1.19
CYC A SEC AIR FLOW	156.91	158.91	154.84	1.42	2.84	+1.81
CYC B SEC AIR FLOW	1.59	2.29	.97	.40	.80	+50.50
CYC C SEC AIR FLOW	156.55	158.10	154.65	1.27	2.53	+1.62
CYC A SEC AIR T	490.91	492.97	486.47	2.21	4.42	+.90
CYC B SEC AIR T	536.48	537.74	533.85	1.45	2.90	+.54
CYC C SEC AIR T	508.08	511.05	502.88	2.64	5.28	+1.04
RH SP VLV POS	-5.00	-5.00	-5.00	0.00	0.00	+0.00
SH SP VLV POS	24.50	29.92	4.80	8.08	16.15	+65.93
SH SP VLV POS	33.15	34.51	30.39	1.17	2.35	+7.08
GR DMPR DEMAND	57.15	58.52	54.94	1.54	3.08	+5.39
RECIRC AIR DMPR P	16.00	16.48	15.59	.28	.55	+3.46
SH PASS DMPR P	0.00	0.00	0.00	0.00	0.00	+0.00
RH PASS DMPR P	100.00	100.00	100.00	0.00	0.00	+0.00
FURNACE GAS P IN	8.53	8.61	8.43	.06	.12	+1.35
AIR ENT AH T	173.04	174.04	171.61	.80	1.60	+.93
AIR ENT AH T	163.77	164.85	162.90	.83	1.65	+1.01
AIR ENT AH T	196.10	197.57	194.57	1.09	2.17	+1.11
AIR ENT AH T	192.32	194.68	189.47	1.46	2.92	+1.52
GAS LVG AH T	277.54	278.58	276.58	.76	1.53	+.55
GAS LVG AH T	263.28	264.86	261.91	.89	1.77	+.67
GAS LVG AH T	271.25	273.46	269.22	1.48	2.95	+1.09
GAS LVG AH T	280.65	282.92	278.32	1.52	3.03	+1.08
BRN SA/GR T	544.87	547.68	539.18	2.89	5.78	+1.06
BRN SEC AIR T	548.28	550.55	543.16	2.48	4.95	+.90
GAS LVG RH PASS	609.90	611.38	606.40	1.55	3.10	+.51
GAS LVG RH PASS	622.22	623.84	617.39	2.05	4.10	+.66
GAS LVG RH PASS	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG RH PASS	662.95	666.22	658.18	2.50	4.99	+.75
GAS LVG RH PASS	593.43	594.30	590.80	1.15	2.29	+.39
GAS LVG RH PASS	609.96	611.30	608.03	1.04	2.08	+.34
GAS LVG RH PASS	631.57	633.93	627.62	1.95	3.91	+.62
GAS LVG RH PASS	619.22	621.05	615.03	1.95	3.90	+.63
GAS LVG RH PASS	613.70	614.75	611.38	1.04	2.08	+.34
GAS LVG RH PASS	638.73	640.17	635.32	1.54	3.08	+.48
GAS LVG RH PASS	631.69	632.85	627.69	1.71	3.42	+.54
GAS LVG RH PASS	627.69	629.54	623.40	1.92	3.84	+.61
GAS LVG SH PASS	-314.44	-311.55	-316.54	1.64	3.27	-1.04
GAS LVG SH PASS	551.36	555.10	548.28	2.09	4.17	+.76
GAS LVG SH PASS	567.77	568.87	565.95	.83	1.67	+.29
GAS LVG SH PASS	592.61	594.43	590.63	1.21	2.41	+.41
GAS LVG SH PASS	527.40	529.84	524.40	2.00	4.01	+.76
GAS LVG SH PASS	540.53	544.48	536.54	2.55	5.11	+.95
GAS LVG SH PASS	545.87	548.16	543.97	1.38	2.76	+.51
GAS LVG SH PASS	588.81	594.40	581.78	4.69	9.37	+1.59
GAS LVG SH PASS	556.30	561.38	552.23	2.55	5.09	+.92
GAS LVG SH PASS	560.81	569.19	553.37	5.62	11.23	+2.00
GAS LVG SH PASS	558.76	563.22	555.14	2.32	4.64	+.83
GAS LVG SH PASS	-466.71	-460.55	-471.84	3.56	7.13	-1.53
OFA TEMP	517.90	521.00	511.49	3.11	6.22	+1.20
PSH OUT LEG T	762.05	765.05	754.71	3.22	6.45	+.85
PSH OUT LEG T	763.87	766.50	756.31	3.21	6.42	+.84
PSH OUT LEG T	701.08	702.69	699.08	1.16	2.32	+.33
PSH OUT LEG T	716.49	718.40	713.98	1.38	2.76	+.39

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
PSH OUT LEG T	750.67	752.87	746.01	2.15	4.30	+.57
PSH OUT LEG T	766.36	768.70	760.57	2.59	5.18	+.68
PSH OUT LEG T	731.39	733.49	726.96	2.01	4.01	+.55
PSH OUT LEG T	780.27	782.58	773.88	2.77	5.54	+.71
PSH OUT LEG T	741.29	743.04	736.56	2.02	4.05	+.55
PSH OUT LEG T	770.94	772.73	765.24	2.37	4.74	+.61
PSH OUT LEG T	780.99	783.38	774.46	2.77	5.54	+.71
PULV INLET T	491.34	494.15	487.44	2.37	4.74	+.97
PULV OUTLET T	171.41	172.51	169.60	.87	1.74	+1.01
RH PEND IN LEG	947.69	951.13	938.56	3.95	7.91	+.83
RH PEND IN LEG	941.04	945.67	930.92	4.37	8.73	+.93
RH PEND IN LEG	942.73	946.55	933.05	4.13	8.27	+.88
RH PEND IN LEG	939.75	943.80	929.94	4.16	8.33	+.89
RH PEND IN LEG	0.00	0.00	0.00	0.00	0.00	+0.00
RH PEND IN LEG	972.28	975.34	964.32	3.47	6.94	+.71
RH PEND IN LEG	942.02	944.44	935.92	2.57	5.13	+.54
RH PEND IN LEG	942.59	944.71	938.10	1.92	3.84	+.41
RH PEND IN LEG	948.79	952.30	939.93	3.78	7.55	+.80
RH PEND IN LEG	883.11	885.70	879.03	2.12	4.24	+.48
SSH PEND IN LEG	846.21	852.41	842.16	3.71	7.43	+.88
SSH PEND IN LEG	873.30	879.80	869.06	3.86	7.72	+.88
SSH PEND IN LEG	882.66	888.48	878.94	3.08	6.16	+.70
SSH PEND IN LEG	900.28	906.31	897.00	2.91	5.82	+.65
SSH PEND IN LEG	873.68	878.86	868.62	3.27	6.54	+.75
SSH PEND IN LEG	901.45	907.26	896.58	3.53	7.06	+.78
SSH PEND IN LEG	888.25	897.75	883.90	4.44	8.88	+1.00
SSH PEND IN LEG	876.96	886.21	873.32	3.85	7.69	+.88
SSH PEND IN LEG	868.85	877.96	864.18	4.03	8.06	+.93
SSH PEND IN LEG	833.14	842.48	828.20	4.13	8.26	+.99
RH INTM HND HOLE	942.63	947.88	931.52	5.57	11.15	+1.18
RH INTM HND HOLE	828.14	830.72	821.25	3.20	6.40	+.77
BRN GAS REC DMPR P	31.34	33.60	29.31	1.37	2.74	+8.74
OVRFIRE AIR DMPR P	29.12	29.27	28.97	.11	.22	+.77
BRN SEC AIR DMPR P	36.88	37.27	36.27	.27	.55	+1.48
FLAME INTENSITY #1	106.16	106.23	0.00	35.39	70.77	+66.67
FLAME INTENSITY #2	105.53	105.65	105.36	.09	.18	+.17
FLAME INTENSITY #3	106.13	106.19	0.00	79.10	158.21	+149.07
FLAME INTENSITY #4	105.53	105.74	105.28	.16	.32	+.30
PULV DIFF P IN WG	6.23	6.26	6.18	.02	.05	+.74
PULV AMPS	200.50	201.45	199.79	.50	.99	+.49
ROT CLASS AMPS	40.17	40.28	40.06	.07	.14	+.34
PULV PA FAN AMPS	49.84	50.88	49.23	.54	1.07	+2.15
PULV PA FLOW	48.08	48.19	47.98	.07	.14	+.28
SEC AIR FLOW	43.22	43.55	42.98	.18	.35	+.82
OFA AIR FLOW	117.54	118.62	115.92	.79	1.59	+1.35
GR TO SEC AIR	13.00	13.09	12.85	.08	.16	+1.24
BRN SEC AIR P IN	12.83	12.96	12.72	.09	.17	+1.35
O2 IN SEC AIR	17.06	17.10	17.02	.03	.05	+.30
BRN GAS REC P IN	12.39	12.48	12.25	.08	.17	+1.34
ROT CLASS RPM	160.58	160.64	160.52	.03	.07	+.04
PULV COAL FLOW KL	17.21	17.38	16.97	.12	.23	+1.36
ACCUREX CO PPM	52.70	57.15	48.38	3.09	6.17	+11.71
ACCUREX NOX PPM	301.25	304.06	293.56	2.99	5.97	+1.98
ACCUREX O2 %	3.76	3.85	3.70	.05	.09	+2.45
ACCUREX SOX PPM	1211.60	1221.16	1202.85	7.35	14.70	+1.21
COAL SILO LEVEL	43.20	46.48	40.32	2.11	4.23	+9.79
ROT CLASS DP IN WG	.29	.30	.28	.00	.01	+3.18
HOT PRI AIR DMPR P	99.33	99.71	99.05	.20	.40	+.40
AIR LVG FD FAN T	135.91	136.67	134.90	.60	1.21	+.89
AIR LVG FD FAN T	136.54	137.47	135.71	.50	1.00	+.74

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
FW HTR E EXT P	216.51	217.88	214.02	1.50	3.01	+1.39
BAROMETRIC P IN	29.43	29.44	29.43	.01	.01	+.04
REL HUMIDITY %	11.33	11.61	10.96	.21	.42	+3.73
GAS LVG ECON (T)	639.90	641.46	636.00	1.82	3.64	+.57
GAS LVG ECON (T)	583.45	585.59	579.67	1.89	3.77	+.65
GAS LVG AH (T)	267.77	269.11	266.28	1.04	2.07	+.77
AIR ENT AH (T)	182.26	183.54	181.12	.81	1.62	+.39
1ST STG STM FLW	383.93	386.16	381.71	1.59	3.19	+.83
BLOW DOWN FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
GR FAN BUS VOLT	4160.00	4160.00	4160.00	0.00	0.00	+0.00
TOTAL GR FLOW	225.96	241.06	213.62	9.86	19.72	+8.73
GR TO SEC AIR	12.16	12.28	12.01	.10	.19	+1.56
GR TO FURN	213.81	228.87	201.62	9.82	19.63	+9.18
TMP AIR FLOW	57.82	61.51	53.16	3.51	7.02	+12.14
% PWDR RVR BASN CO	0.00	0.00	0.00	0.00	0.00	+0.00
CYCLONE STOIC	1.06	1.07	1.05	.01	.02	+1.52
REBRN WB STOIC	.66	.67	.65	.01	.01	+1.74
REBRN STOIC	.94	.94	.93	.00	.01	+.81
LVG FURN STOIC	1.21	1.21	1.20	.00	.01	+.49
LVG ECON STOIC	1.22	1.23	1.22	.00	.01	+.50
AMBIENT AIR DB TEM	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG RH PS T	623.73	625.23	620.11	1.63	3.26	+.52
GAS LVG SH PS T	559.02	561.77	555.55	1.88	3.75	+.67
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	+0.00
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	+0.00
DRY BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	+0.00
WET BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	+0.00
AIR ENT AH P	0.00	0.00	0.00	0.00	0.00	+0.00
AIR LVG AH P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG SSH PLAT P	0.00	0.00	0.00	0.00	0.00	+0.00
ENT PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	+0.00
GAS ENT AH P	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG AH P	0.00	0.00	0.00	0.00	0.00	+0.00
SEC SH OUT P	0.00	0.00	0.00	0.00	0.00	+0.00

TEST F19 : 110 MW NO REBURN BASELINE

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
O2 LVG ECON (T)	3.83	4.02	3.60	.15	.29	+7.62
O2 LVG ECON (T)	2.79	3.16	2.39	.22	.45	+16.00
CO2 LVG ECON (T)	15.62	15.70	15.48	.06	.13	+.82
CO2 LVG ECON (T)	15.13	15.38	14.91	.13	.25	+1.65
CO LVG ECON (T)	180.80	200.93	158.68	12.98	25.96	+14.36
CO LVG ECON	[illegible]	340.47	148.74	[illegible]	[illegible]	+57.94
NOX LVG ECON (T)	584.04	595.34	573.27	[illegible]	15.9[illegible]	+2.73
NOX LVG ECON (T)	[illegible]	573.71	546.31	7.71	15.42	+2.72
DRUM PRESS (T)	1572.03	1573.24	1571.00	.78	1.57	+.10
ENT RH-1 P (T)	0.00	0.00	0.00	0.00	0.00	+0.00
LVG RH-1 P (T)	433.27	434.31	432.30	.72	1.44	+.33
SEC SH OUT P (T)	1483.39	1484.66	1481.80	.82	1.63	+.11
FW HTR E EXT P	440.15	441.23	438.92	.86	1.71	+.39
ECON H2O OUT T	507.63	508.05	507.18	.33	.65	+.13
ECON H2O OUT T	520.17	524.34	515.08	3.71	7.43	+1.43
AMBIENT AIR TEMP	105.27	106.4[illegible]	104.4[illegible]	.62	1.23	+1.17
PRI SH OUT T	786.30	[illegible]	[illegible]	8.81	17.62	+2.24
PRI SH OUT T	794.[illegible]	[illegible]	[illegible]	7.51	15.02	+1.89
AIR LVG RH T	635.[illegible]	646.61	623.68	8.14	16.29	+2.56
AIR LVG RH T	591.60	597.08	589.61	3.49	6.99	+1.18
AIR LVG FD FAN T	129.82	131.13	129.02	.68	1.35	+1.04
AIR LVG FD FAN T	130.23	131.54	129.[illegible]	.60	1.19	+.91
RH SPRAY H2O T	316.82	317.27	316.59	.21	.41	+.13
FW HTR E ENT T	384.32	384.46	384.15	.10	.20	+.05
FW HTR E EXT T	743.20	744.75	741.27	1.31	2.62	+.35
ENT RH T	705.53	717.90	702.51	4.41	8.81	+1.25
FW HTR E DRN T	405.08	405.39	404.85	.19	.38	+.09
FW HTR E LVG T	457.11	457.48	456.78	.24	.48	+.11
O2 LVG RH (T)	4.60	4.75	4.35	.15	.30	+6.53
O2 LVG GR FAN (T)	0.00	0.00	0.00	0.00	0.00	+0.00
CO2 LVG RH (T)	3.78	3.78	3.78	0.00	0.00	+0.00
GAS TEMP LVG GR FAN	0.00	0.00	0.00	0.00	0.00	+0.00
AIR ENT FD FAN	100.78	102.09	99.64	.74	1.48	+1.47
LOAD MW	110.2[illegible]	110.17	110.11	.14	.28	+.25
MAIN STEAM FLOW	776.24	779.11	774.75	1.22	2.44	+.31
FW FLOW	785.75	788.56	783.12	1.76	3.53	+.45
RH SPRAY FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
SH SPRAY FLOW	12.53	14.79	9.37	2.19	4.37	+34.89
SH SPRAY FLOW	14.89	18.13	11.37	2.89	5.78	+38.80
GR FAN AMPS	0.00	0.00	0.00	0.00	0.00	+0.00
GR FAN AMPS	.06	.06	.06	0.00	0.00	+0.00
1st STG PRESS	1075.17	1077.16	1072.96	1.45	2.89	+.27
OIL FLOW 2A	.00	.00	0.00	.00	.00	+169.09
OIL FLOW 2B	.00	.00	.00	0.00	0.00	+0.00
OIL FLOW 2C	.00	.00	.00	0.00	0.00	+0.00
SSH OUT T	999.69	1001.25	998.08	[illegible]	1.91	+.19
SSH OUT T	999.99	1002.82	995.91	2.43	4.86	+.49
SSH OUT AVE T	998.94	1000.88	996.81	1.58	3.15	+.32
LVG SH ATTMP T	743.88	745.08	742.85	.81	1.62	+.22
LVG SH ATTMP T	740.04	744.09	735.22	3.33	6.65	+.90
ECON H2O IN T	459.46	460.23	458.96	.42	.84	+.18
LVG RH T	1001.34	1004.98	999.15	2.10	4.21	+.42
COLD RH T	745.35	747.10	743.14	1.40	2.80	+.38
TURB THROT P	1450.18	1451.48	1449.40	.62	1.23	+.08
DRUM PRESS	1604.01	1605.40	1602.83	.87	1.75	+.11
LVG RH PRESS	429.55	430.51	428.50	.76	1.51	+.35
ENT RH PRESS	457.74	458.57	456.72	.71	1.42	+.31
O2 LVG ECON	3.18	3.58	2.76	.24	.47	+14.94
O2 LVG ECON	3.62	3.79	3.36	.15	.31	+8.49

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	P ec Error	% Error
CYC A COAL FLOW KL	31.37	31.93	31.08	.22	.44	+1.42
CYC B COAL FLOW KL	31.36	31.91	31.08	.22	.43	+1.38
CYC C COAL FLOW KL	31.34	31.88	31.07	.21	.43	+1.37
CYC A SEC AIR FLOW	287.57	290.95	282.65	2.90	5.79	+2.01
CYC B SEC AIR FLOW	291.35	294.69	286.03	3.00	6.00	+2.06
CYC C SEC AIR FLOW	290.48	294.66	284.64	3.31	6.62	+2.28
CYC A SEC AIR T	569.26	577.53	562.04	6.59	13.18	+2.31
CYC B SEC AIR T	604.93	612.44	597.88	5.12	10.24	+1.69
CYC C SEC AIR T	559.79	564.39	555.05	2.90	5.79	+1.03
RH SP VLV POS	21.21	22.05	20.65	.69	1.37	+6.47
~~SH SP VLV POS~~	~~47.58~~	~~53.66~~	~~41.23~~	~~4.86~~	~~9.71~~	~~+20.41~~
SH SP VLV POS	45.02	49.17	40.12	3.72	7.43	+16.51
GR DMPR DEMAND	-5.00	-5.00	-5.00	0.00	0.00	+0.00
RECIRC AIR DMPR P	.06	.10	.04	.02	.03	+58.21
SH PASS DMPR P	100.00	100.00	100.00	0.00	0.00	+0.00
RH PASS DMPR P	43.94	56.68	34.97	8.21	16.41	+37.35
FURNACE GAS P IN	21.16	21.80	20.29	.55	1.11	+5.24
AIR ENT RH T	128.41	129.83	127.68	.73	1.46	+1.14
AIR ENT RH T	132.78	134.43	131.99	.84	1.67	+1.26
AIR ENT RH T	139.19	140.60	138.48	.69	1.37	+.99
AIR ENT RH T	132.24	133.76	131.41	.79	1.58	+1.20
GAS LVG RH T	331.96	334.19	330.74	1.12	2.24	+.67
GAS LVG RH T	314.00	315.30	312.96	.76	1.53	+.49
GAS LVG RH T	304.05	304.60	303.17	.47	.95	+.31
GAS LVG RH T	310.40	311.87	309.73	.63	1.27	+.41
BRN SA/GR T	545.98	549.90	543.41	2.23	4.47	+.82
BRN SEC AIR T	578.03	585.53	571.58	4.90	9.80	+1.69
GAS LVG RH PASS	661.89	667.70	655.10	3.84	7.69	+1.16
GAS LVG RH PASS	669.47	679.19	660.10	5.94	11.88	+1.77
GAS LVG RH PASS	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG RH PASS	719.49	727.97	711.54	5.53	11.06	+1.54
GAS LVG RH PASS	652.82	661.44	644.82	5.15	10.29	+1.58
GAS LVG RH PASS	663.23	669.25	657.71	3.35	6.71	+1.01
GAS LVG RH PASS	678.79	686.05	670.82	4.97	9.94	+1.46
GAS LVG RH PASS	669.26	678.15	665.23	4.56	9.12	+1.36
GAS LVG RH PASS	661.58	669.64	653.13	5.37	10.74	+1.62
GAS LVG RH PASS	680.10	686.90	674.28	3.95	7.90	+1.16
GAS LVG RH PASS	667.61	675.90	662.98	4.20	8.41	+1.26
GAS LVG RH PASS	680.75	688.47	677.75	3.48	6.95	+1.02
GAS LVG SH PASS	-474.99	-434.54	-511.86	30.86	61.71	-12.99
GAS LVG SH PASS	708.41	721.90	690.74	10.71	21.42	+3.02
GAS LVG SH PASS	738.98	756.63	715.76	13.81	27.62	+3.74
GAS LVG SH PASS	769.30	781.82	755.43	9.37	18.73	+2.43
GAS LVG SH PASS	664.01	674.40	650.83	9.84	19.68	+2.96
GAS LVG SH PASS	673.64	687.36	659.00	10.62	21.24	+3.15
GAS LVG SH PASS	682.24	694.12	667.62	10.39	20.79	+3.05
GAS LVG SH PASS	728.80	740.55	715.21	9.27	18.54	+2.54
GAS LVG SH PASS	697.26	712.55	683.78	10.92	21.83	+3.13
GAS LVG SH PASS	702.53	718.07	678.91	14.07	28.13	+4.00
GAS LVG SH PASS	686.79	702.84	672.52	10.36	20.72	+3.02
GAS LVG SH PASS	-639.79	-619.42	-653.42	12.07	24.14	-3.77
OFA TEMP	511.12	532.26	497.29	11.67	23.33	+4.57
PSH OUT LEG T	793.54	801.85	784.23	7.41	14.83	+1.87
PSH OUT LEG T	806.27	816.10	795.50	8.59	17.17	+2.13
PSH OUT LEG T	795.25	807.27	780.95	11.02	22.03	+2.77
PSH OUT LEG T	799.65	811.05	785.74	10.62	21.24	+2.66

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
PSH OUT LEG T	783.82	790.68	775.13	6.41	12.83	+1.64
PSH OUT LEG T	784.04	791.19	775.52	6.21	12.43	+1.59
PSH OUT LEG T	790.31	801.32	777.32	9.89	19.78	+2.50
PSH OUT LEG T	810.13	818.13	800.17	7.13	14.26	+1.76
PSH OUT LEG T	794.20	804.35	782.52	8.87	17.75	+2.23
PSH OUT LEG T	793.86	799.92	785.96	5.56	11.13	+1.40
PSH OUT LEG T	804.40	810.06	796.99	5.15	10.31	+1.28
PULV INLET T	164.01	178.12	145.68	11.36	22.71	+13.85
PULV OUTLET T	154.71	163.45	146.28	5.82	11.64	+7.52
RH PEND IN LEG	940.66	944.41	937.62	2.27	4.53	+.48
RH PEND IN LEG	930.62	933.87	927.89	1.96	3.93	+.42
RH PEND IN LEG	935.04	938.61	932.01	2.16	4.33	+.46
RH PEND IN LEG	931.47	934.92	928.71	2.05	4.10	+.44
RH PEND IN LEG	0.00	0.00	0.00	0.00	0.00	+0.00
RH PEND IN LEG	960.55	965.14	956.97	2.79	5.58	+.58
RH PEND IN LEG	933.25	937.82	929.81	2.81	5.63	+.60
RH PEND IN LEG	937.84	942.54	934.70	2.81	5.62	+.60
RH PEND IN LEG	940.92	944.83	937.87	2.38	4.76	+.51
RH PEND IN LEG	920.19	924.81	916.01	3.19	6.37	+.69
SSH PEND IN LEG	861.68	864.87	858.25	2.51	5.02	+.58
SSH PEND IN LEG	876.28	879.74	872.69	2.63	5.26	+.60
SSH PEND IN LEG	872.71	876.22	868.90	2.69	5.38	+.62
SSH PEND IN LEG	877.87	881.37	873.76	2.71	5.42	+.62
SSH PEND IN LEG	841.67	844.93	837.73	2.44	4.87	+.58
SSH PEND IN LEG	874.86	877.81	871.53	2.05	4.10	+.47
SSH PEND IN LEG	881.27	882.64	879.75	.95	1.90	+.22
SSH PEND IN LEG	877.79	879.13	876.13	1.00	2.00	+.23
SSH PEND IN LEG	880.35	881.88	878.44	1.02	2.05	+.23
SSH PEND IN LEG	865.62	867.37	863.94	1.07	2.14	+.25
RH INTM HND HOLE	940.33	942.84	937.75	1.79	3.58	+.38
RH INTM HND HOLE	877.25	881.68	870.95	3.45	6.91	+.79
BRN GAS REC DMPR P	0.00	0.00	0.00	0.00	0.00	+0.00
OVRFIRE AIR DMPR P	5.00	5.00	5.00	0.00	0.00	+0.00
BRN SEC AIR DMPR P	23.72	24.07	23.37	.20	.41	+1.72
FLAME INTENSITY #1	3.55	4.02	3.14	.33	.67	+18.75
FLAME INTENSITY #2	4.26	4.67	3.52	.36	.73	+17.08
FLAME INTENSITY #3	3.52	5.11	3.09	.56	1.13	+32.09
FLAME INTENSITY #4	3.18	3.81	2.67	.36	.72	+22.63
PULV DIFF P IN WG	-.02	-.00	-.03	.01	.01	-71.04
PULV AMPS	0.00	0.00	0.00	0.00	0.00	+0.00
ROT CLASS AMPS	.03	.03	.03	.00	.00	+.00
PULV PA FAN AMPS	-.06	.06	-.11	.05	.09	-168.30
PULV PA FLOW	1.75	2.37	1.00	.46	.93	+53.17
SEC AIR FLOW	31.21	31.40	31.06	.10	.19	+.61
OFA AIR FLOW	28.01	28.33	27.63	.22	.43	+1.55
GR TO SEC AIR	.69	.71	.63	.03	.05	+7.94
BRN SEC AIR P IN	21.82	22.51	20.82	.60	1.20	+5.51
O2 IN SEC AIR	20.62	20.64	20.61	.01	.02	+.10
BRN GAS REC P IN	21.66	22.26	20.84	.50	1.00	+4.61
ROT CLASS RPM	-.26	-.24	-.32	.03	.06	-22.35
PULV COAL FLOW KL	.08	.08	.08	.00	.00	+.00
ACCUREX CO PPM	12.56	14.15	10.65	1.30	2.61	+20.77
ACCUREX NOX PPM	561.63	571.65	547.38	8.79	17.57	+3.13
ACCUREX O2 %	3.36	3.52	3.11	.16	.33	+9.74
ACCUREX SOX PPM	1133.53	1179.31	1086.33	30.43	60.85	+5.37
COAL SILO LEVEL	40.09	40.34	39.92	.14	.28	+.69
ROT CLASS DP IN WG	.00	.01	.00	.00	.00	+89.34
HOT PRI AIR DMPR P	0.00	0.00	0.00	0.00	0.00	+0.00
AIR LVG FD FAN T	128.23	129.63	127.40	.72	1.44	+1.13
AIR LVG FD FAN T	128.64	129.92	128.12	.62	1.25	+.97

Test Data Item	Avg Val	Max Val	Min Val	Std Dev	Prec Error	% Error
FW HTR E EXT P	439.36	440.19	438.34	.76	1.51	+.34
BAROMETRIC P IN	29.48	29.48	29.47	.00	.00	+.01
REL HUMIDITY %	11.95	13.06	11.00	.76	1.52	+12.68
GAS LVG ECON (T)	701.90	711.53	691.43	6.47	12.93	+1.84
GAS LVG ECON (T)	704.33	717.18	689.00	10.90	21.80	+3.10
GAS LVG AH (T)	303.62	305.51	302.70	.87	1.74	+.57
AIR ENT AH (T)	133.70	135.20	132.99	.70	1.40	+1.05
1ST STG STM FLW	772.62	774.01	771.07	1.01	2.03	+.26
BLOW DOWN FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
GR FAN BUS VOLT	4160.00	4160.00	4160.00	0.00	0.00	+0.00
TOTAL GR FLOW	0.00	0.00	0.00	0.00	0.00	+0.00
GR TO SEC AIR	35.00	35.00	35.00	0.00	0.00	+0.00
GR TO FURN	0.00	0.00	0.00	0.00	0.00	+0.00
TMP AIR FLOW	59.56	63.24	58.89	1.25	2.50	+4.19
% PWDR RVR BASN CO	0.00	0.00	0.00	0.00	0.00	+0.00
CYCLONE STOIC	1.09	1.10	1.07	.01	.02	+2.16
REBRN WB STOIC	100.00	100.00	100.00	0.00	0.00	+0.00
REBRN STOIC	1.14	1.16	1.12	.01	.02	+2.17
LVG FURN STOIC	1.18	1.19	1.15	.01	.03	+2.14
LVG ECON STOIC	1.19	1.20	1.16	.01	.02	+2.10
AMBIENT AIR DB TEM	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG RH PS T	673.18	680.97	666.85	4.25	8.50	+1.26
GAS LVG SH PS T	705.20	718.06	689.98	10.68	21.36	+3.03
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	+0.00
GR GAS TEMP	0.00	0.00	0.00	0.00	0.00	+0.00
DRY BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	+0.00
WET BULB TEMP (T)	0.00	0.00	0.00	0.00	0.00	+0.00
AIR ENT AH P	0.00	0.00	0.00	0.00	0.00	+0.00
AIR LVG AH P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC A TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC B TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C TA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C PA DIFF P	0.00	0.00	0.00	0.00	0.00	+0.00
CYC C TOT P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG SSH PLAT P	0.00	0.00	0.00	0.00	0.00	+0.00
ENT PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG PSH P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	+0.00
LVG ECON P	0.00	0.00	0.00	0.00	0.00	+0.00
GAS ENT AH P	0.00	0.00	0.00	0.00	0.00	+0.00
GAS LVG AH P	0.00	0.00	0.00	0.00	0.00	+0.00
SEC SH OUT P	0.00	0.00	0.00	0.00	0.00	+0.00