



Nebraska Public Power District

GENERAL OFFICE
P.O. BOX 499, COLUMBUS, NEBRASKA 68602-0499
TELEPHONE (402) 564-8561
FAX (402) 563-5551

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U. S. Nuclear Regulatory Commission
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Subject: Reactor Containment Building
Integrated Leak Rate Test
Cooper Nuclear Station
NRC Docket No. 50-292, DPR-46

Gentlemen:

Pursuant to Appendix J of 10 CFR Part 50, the results of the "Reactor Containment Building Integrated Leak Rate Test" conducted December 8-10, 1991, at Cooper Nuclear Station are submitted herewith.

Should you have any questions or require additional information, please contact me.

Sincerely,

G. R. Horn
Nuclear Power Group Manager

GRH/dnm
Enclosure

cc: Regional Administrator
NRC Region IV
Arlington, TX

NRC Resident Inspector
Cooper Nuclear Station

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PDR ADOCK 05000298
P PDR

Powerful Pride in Nebraska

REACTOR CONTAINMENT BUILDING
INTEGRATED LEAK RATE TEST
NEBRASKA PUBLIC POWER DISTRICT
COOPER NUCLEAR STATION

DECEMBER 8-10, 1991

DOCKET NO. 50-298

OPERATING LICENSE NO. DPR-46

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1.0 INTRODUCTION

A Primary Containment Integrated Leak Rate Test was conducted at Cooper Nuclear Station December 8-10, 1991 per CNS Technical Specification 4.7A, CNS Surveillance Procedure 6.3.1.3, and 10CFR Part 50, Appendix J.

This report contains a description and analysis of the test as required by 10CFR Part 50, Appendix J. Paragraph V.B. The test Technical Data Summary is listed on Attachment 1.

2.0 PREREQUISITES

All instrumentation used for the Cooper Nuclear Station ILRT met the instrument selection guide (see Attachment 2), and the six month calibration and loop check requirements of ANSI N45.4 - 1972 and ANSI/ANS 56.8 - 1987. The drywell and suppression chamber were inspected to uncover any structural deterioration that could affect the containment integrity or leak tightness. No structural discrepancies were noted. The valve lineups were performed and independently verified, the twelve suppression chamber to drywell vacuum breakers were blocked open to allow pressurization of the torus and two oil-free air compressors with a capacity of 2400 scfm were connected to the air dryer skid and prepared for operation.

3.0 INSTRUMENTATION

The following instrumentation was used in the performance of the 1991 Cooper Nuclear Station Integrated Leak Rate Test.

3.1 Pressure

Two (2) precision pressure gauges with vibrating stainless steel cylinder type sensors monitored containment pressure. The average of the two readings was utilized in the leakage rate calculations.

3.2 Dewpoint Temperature

Six (6) chilled mirror dewpoint hygrometers were installed to measure the containment dewpoint temperature.

3.3 Drybulb Temperature

Containment drybulb temperature was monitored by twenty-six (26) platinum Resistance Temperature Detectors (RTDs).

3.4 Flow Rate

The flow rate of the superimposed leak required for the verification test was measured by a thermal mass flowmeter.

3.5 Data Acquisition

The CNS Plant Management Information System (PMIS) was utilized to collect data from all sensors. A personal computer received the data from the PMIS and performed the necessary calculations.

Instrument weighing factors and locations are listed on attachment 3A. Pressure and flow instrumentation are shown on Attachment 3B. Pressure and Dewcell and RTD locations are illustrated on Attachments 3C and 3D respectively.

4.0 TEMPERATURE STABILIZATION

The temperature stabilization period began at 14:00 on December 9, 1991. The criteria for temperature stabilization were:

- 1) The latest rate of change of the weighted average containment air temperature, averaged over the last hour, does not deviate by more than 0.5°F/hour from the average rate of change of the weighted average contained air temperature over the last four hours (ANSI/ANS 56.8-1987).
- 2) The rate of change of average temperature is less than 1°F/hour averaged over the last two hours (Bechtel Topical Report BN-TOP-1).
- 3) The rate of change of temperature changes less than 0.5°F/hour averaged over the last two hours.

All of the above criteria were met at 18:00 on December 9, 1991. Supporting graphs and listings are contained in Attachment 4.

5.0 TYPE A TEST

The Type A Test started at 20:15 on December 9, 1991. Containment pressure, weighted average temperature and weighted average dewpoint temperature were recorded at approximately fifteen minute intervals. The total time leakage rate was calculated per Bechtel Topical Report BN-TOP-1, Section 6.0. The mass point calculations were based on ANSI/ANS 56.8-1987, Section 5.7.

The Type A Test was concluded after 8 hours at 04:15 on December 10, 1991. Attachment 5 contains supporting graphs and listings pertaining to the Type A Test.

6.0 VERIFICATION TEST

Immediately following the Type A Test, a metering valve was adjusted on flowmeter FR2 to a flow rate of approximately 5.14 scfm. The Verification Test began at 05:30 on December 10, 1991. Containment pressure, weighted average temperature, and weighted average dewpoint temperature were again recorded at approximately fifteen minute intervals. The total time and mass point leak rate analysis techniques were again employed.

The Verification Test ended at 09:30 on December 10, 1991. Graphs and listings related to the Verification Test are contained in Attachment 6.

7.0 TEST SUMMARY

Pressurization for the ILRT began at 17:30 on December 8, 1991, at a rate of approximately 7.0 psi per hour. At 01:15 on December 9, 1991, a leak was discovered on the drywell vent monitor. The leak was quantified at 3.2 scfm using an electronic mass flow meter and the vent monitor was isolated. The pressurization equipment was secured at 02:05 on December 9, 1991 with a peak instantaneous pressure of 72.876 psia.

The temperature stabilization period began at 14:00, the test criteria were satisfied at 18:00 and the Type A Test began at 20:15 on December 9, 1991. Temperature, dewpoint temperature, and pressure data were recorded at approximately fifteen minute intervals during the test.

The Type A Test was completed at 04:15 on December 10, 1991, with a Total Time Upper Confidence Level leak rate of .19507% wt/day and a Mass Point Upper Confidence leak rate of .18013% wt/day. See Attachment 7A for complete test results.

A superimposed leak of approximately 5.14 scfm was metered through a mass flowmeter and the verification test began at 05:30 on December 10, 1991. Acceptability of the ILRT was demonstrated (see Attachment 7B) and the verification test was completed at 09:30. Depressurization of the primary containment began at 11:10 and was completed at 20:15.

The Cooper Nuclear Station Primary Containment Integrated Leak Rate Test was successfully completed demonstrating the leak-tight integrity of the reactor primary containment and the systems and components which penetrate the primary containment.

8.0 LOCAL LEAK RATE TEST DATA

The 1989, 1990, and 1991 local leak rate test results reflect the total leakage as determined by testing between containment isolation valves. In 1991, the individual leakage from the inboard and outboard valves of each penetration which required corrective or preventive maintenance was also quantified. The difference was reported in addition to the Type A leakage. This was done in order to reconstruct the "as found" condition of the primary containment before repairs were made.

A summary of the local leak rate test data from 1989, 1990 and 1991 can be found in Attachment 8A. The data includes the as found leakage rates and the as left leakage rates. The leakage adjustments to the 1991 ILRT are listed on Attachment 8B.

9.0 BACKUP DATA

The backup data retained at Cooper Nuclear Station includes the following:

- Integrated Leak Rate Test Procedure 6.3.1.3
- Local Leak Rate Test Procedure 6.3.1.1
- System Piping and Instrumentation Diagram
- Test Instrument Calibration Data
- Computer Program Verification and Validation
- Containment Penetration Listing
- System Status (at the time of the test)
- Test Director's Log
- Instrument Weighing Factor Data

10.0 EDITED LOG OF EVENTS

DECEMBER 8, 1991

1430 Completed Drywell and Torus Inspection

1730 Started Pressurization of Containment

DECEMBER 9, 1991

0035 Drywell vent monitor particulate detector found blown out, leakage quantified at 3.2 scfm

0205 Isolated ILRT gate valve at test pressure

0930 Valves PC-AOV-243AV, -244AV, and PC-MOV-233MV had leaks at the valve shaft. These leaks were not repairable nor was there any acceptable method to quantify the leaks. Leakage was observed out of the exhaust port of NM-SOV-SV1. The manual valve was isolated. The leak was later determined to be from check valve NM-CV-1CV, was quantified at 0.24 SCFM, and was isolated. The check valve was replaced by MWR 91-4035. The new installation LLRT yielded at leakage of 0.37 SCFH.

1315 Repressurized containment to 58.50psig as single burp

1400 Temperature Stabilization period begun

1800 Temperature Stabilization criteria met

2015 Type A Test started

DECEMBER 10, 1991

0415 Type A Test complete

0430 Commenced 1 hour Stabilization for Verification Test using FR2 at 5.14scfm

0530 Started Verification Test

0930 Ended Verification Test

1110 Started Depressurization

2015 Depressurization complete

2325 Completed post ILRT containment inspection

**COOPER NUCLEAR STATION
1991 ILRT TECHNICAL DATA SUMMARY**

A. GENERAL DATA

Owner:	Nebraska Public Power District
Docket No.:	50-298
Location:	Brownville, Nebraska
Containment Description:	BWR 4, Mark I
Date Test Completed:	December 10, 1991

B. TECHNICAL DATA

Containment Free Volume:	242,550 cu. ft.
Design Pressure:	56.0 psig
Design Temperature:	281°F
Calculated Accident Peak Pressure:	46.2 psig
Calculated Accident Peak Temperature:	293°F

C. TEST DATA

Test Method:	Absolute
Data Analysis Technique:	Total Time / Mass Point
Test Pressure:	Start: 72.263 psia
	End: 72.231 psia
Maximum Allowable Leak Rate (L_a):	.635 %/24 hr.
Calculated Leakage UCL:	Total Time: .19507 %/24 hr.
	Mass Point: .18013 %/24 hr.
Measured Leakage (L_m):	Total Time: .17103 %/24 hr.
	Mass Point: .17768 %/24 hr.

D. VERIFICATION

Calibrated Leak Superimposed (L_o):	.636 %/24 hr.
Composite Leakage (L_c):	Total Time: .7408 %/24 hr.
	Mass Point: .7353 %/24 hr.

INSTRUMENT SELECTION GUIDE

ISG	-	instrument selection guide
L	-	leakage rate, percent per day
t	-	test duration, hours
P	-	containment atmosphere total absolute pressure
P _v	-	containment atmosphere partial pressure of water vapor
T	-	containment atmosphere weighted average absolute drybulb temperature
e	-	error associated with measurement of change in a given parameter
E	-	error associated with sensor (sensitivity)
ε	-	error associated with measurement system (excluding sensor)

A. TEST PARAMETERS

L _a	-	.635 %/day
P	-	72.231 psia
T	-	539.569°R drybulb
T _{dp}	-	73.195°F dewpoint
t	-	8 hours

B. INSTRUMENT PARAMETERS

1. Total absolute pressure error (°P)

No. of sensors:	2
Range:	0-100 psia
Pressure sensor sensitivity error (°P):	.005 psia
Pressure measurement system error (°P):	.00076 psia

$$^{\circ}P = \pm [(^{\circ}P)^2 + (^{\circ}P)^2]^{1/2} / [\text{no. of sensors}]^{1/2}$$

$$^{\circ}P = \pm [(.005)^2 + (.00076)^2]^{1/2} / [2]^{1/2}$$

$$^{\circ}P = \pm .0050574 / 1.4142136$$

$$^{\circ}P = \pm .0035761 \text{ psia}$$

2. Water vapor pressure error ($^{\circ}\text{Pv}$)

Dewcells

No. of sensors: 6

Range: 40-100°F

Vapor pressure sensor

sensitivity error ($^{\circ}\text{Pv}$) .54°F (.0074142 psia)*

Vapor pressure measurement

system error ($^{\circ}\text{Pv}$): .027% fs (.00037071 psia)*

$$^{\circ}\text{Pv} = \pm [(\epsilon_{\text{Pv}})^2 + (^{\circ}\text{Pv})^2]^{1/2} / [\text{no. of sensors}]^{1/2}$$

$$^{\circ}\text{Pv} = \pm [(.0074142)^2 + (.00037071)^2]^{1/2} / [6]^{1/2}$$

$$^{\circ}\text{Pv} = \pm .0074235 / 2.44949$$

$$^{\circ}\text{Pv} = \pm .0030306 \text{ psia}$$

* The equivalent water vapor change between 73°F and 74°F is .01373 psia/°F. (from Steam Tables)

3. Temperature error ($^{\circ}\text{T}$)

No. of sensors: 26

Range: 0-200°F

Temperature sensor

sensitivity error ($^{\circ}\text{T}$): .09°F

Temperature measurement

system error ($^{\circ}\text{T}$): .0323°F

$$^{\circ}\text{T} = \pm [(\epsilon_{\text{T}})^2 + (^{\circ}\text{T})^2]^{1/2} / [\text{no. sensors}]^{1/2}$$

$$^{\circ}\text{T} = \pm [(.09)^2 + (.0323)^2]^{1/2} / [26]^{1/2}$$

$$^{\circ}\text{T} = \pm .09562 / 5.0990195$$

$$^{\circ}\text{T} = \pm .018753^{\circ}\text{R}$$

$$4. \quad ISG = \pm(2400/t) [2(\epsilon P/P)^2 + 2(\epsilon P_v/P)^2 + 2(\epsilon T/\Gamma)^2]^{1/2}$$

$$ISG = \pm(2400/8) [2(.0035761/72.231)^2 + 2(.0030306/72.231)^2 + 2(.018753/539.569)^2]^{1/2}$$

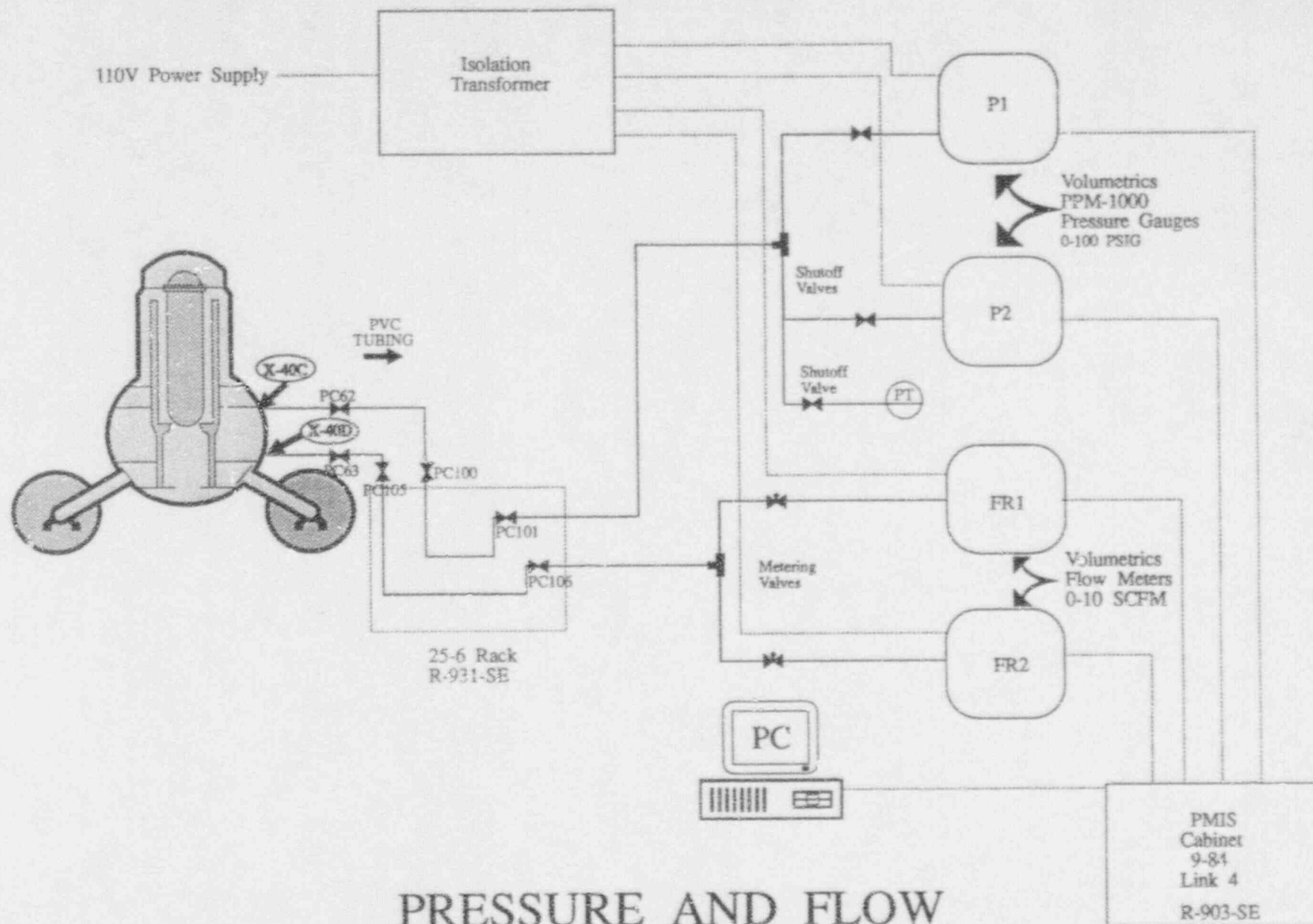
$$ISG = \pm 300 [4.9E-09 + 3.5208E-09 + 2.416E-09]^{1/2}$$

$$ISG = \pm 0.03123\%/day$$

The ISG formula does not exceed 0.25 La (0.15875%/day) and it is therefore concluded that the instrumentation selected was acceptable for use in determining the reactor containment integrated leakage rate.

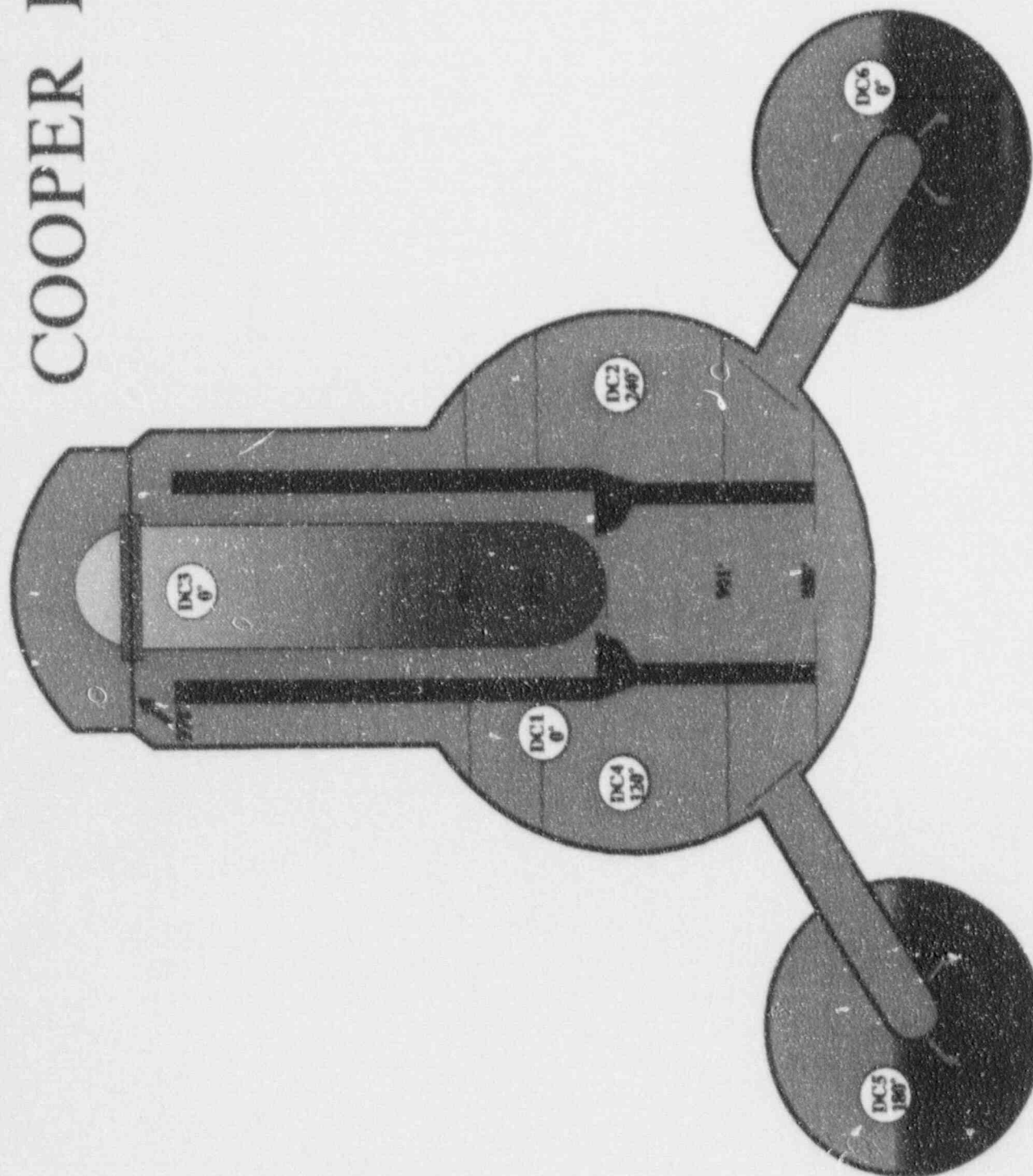
INSTRUMENTATION LIST

No.	Description	Location	Elev.	Azim.	Wt.
DC1	Dewpoint	Drywell West	901'	0	.1500
DC2	Dewpoint	Drywell Southwest	901'	240	.1500
DC3	Dewpoint	Drywell West	962'	0	.1500
DC4	Dewpoint	Drywell Northwest	901'	120	.1000
DC5	Dewpoint	Torus East	876'	180	.2250
DC6	Dewpoint	Torus West	876'	0	.2250
DC7	Dewpoint	Torus East RTD	876'	180	.0000
DC8	Dewpoint	Torus West RTD	876'	0	.0000
T1	Temperature	Drywell South	901'	270	.0285
T2	Temperature	Drywell Northwest	901'	60	.0257
T3	Temperature	Drywell North	901'	90	.0228
T4	Temperature	Drywell Southeast	901'	220	.0513
T5	Temperature	Drywell South	901'	270	.0285
T6	Temperature	Drywell Northwest	901'	60	.0256
T7	Temperature	Drywell North	901'	90	.0227
T8	Temperature	Drywell Southwest	888'	300	.0375
T9	Temperature	Drywell Southwest	888'	300	.0375
T10	Temperature	Drywell Northeast	888'	120	.0375
T11	Temperature	Drywell Northeast	888'	120	.0375
T12	Temperature	Drywell West	933'	0	.0349
T13	Temperature	Drywell Northeast	933'	145	.0282
T14	Temperature	Drywell Southeast	933'	225	.0266
T15	Temperature	Drywell West	974'	0	.0173
T16	Temperature	Drywell Northwest	974'	70	.0113
T17	Temperature	Drywell Northeast	974'	140	.0125
T18	Temperature	Drywell Southeast	974'	220	.0185
T19	Temperature	Drywell West	978'	15	.0204
T20	Temperature	Drywell Southeast	978'	255	.0204
T21	Temperature	Torus West	876'	0	.0758
T22	Temperature	Torus Northwest	876'	60	.0758
T23	Temperature	Torus Northeast	876'	120	.0758
T24	Temperature	Torus East	876'	180	.0758
T25	Temperature	Torus Southeast	876'	240	.0758
T26	Temperature	Torus Southwest	876'	300	.0758
P1	Pressure 1	Reactor Bldg. SE	931'	N/A	.5000
P2	Pressure 2	Reactor Bldg. SE	931'	N/A	.5000
FR1	Flow Rate 1	Reactor Bldg. SE	931'	N/A	.0000
FR2	Flow Rate 2	Reactor Bldg. SE	931'	N/A	1.0000



PRESSURE AND FLOW INSTRUMENTATION SCHEMATIC

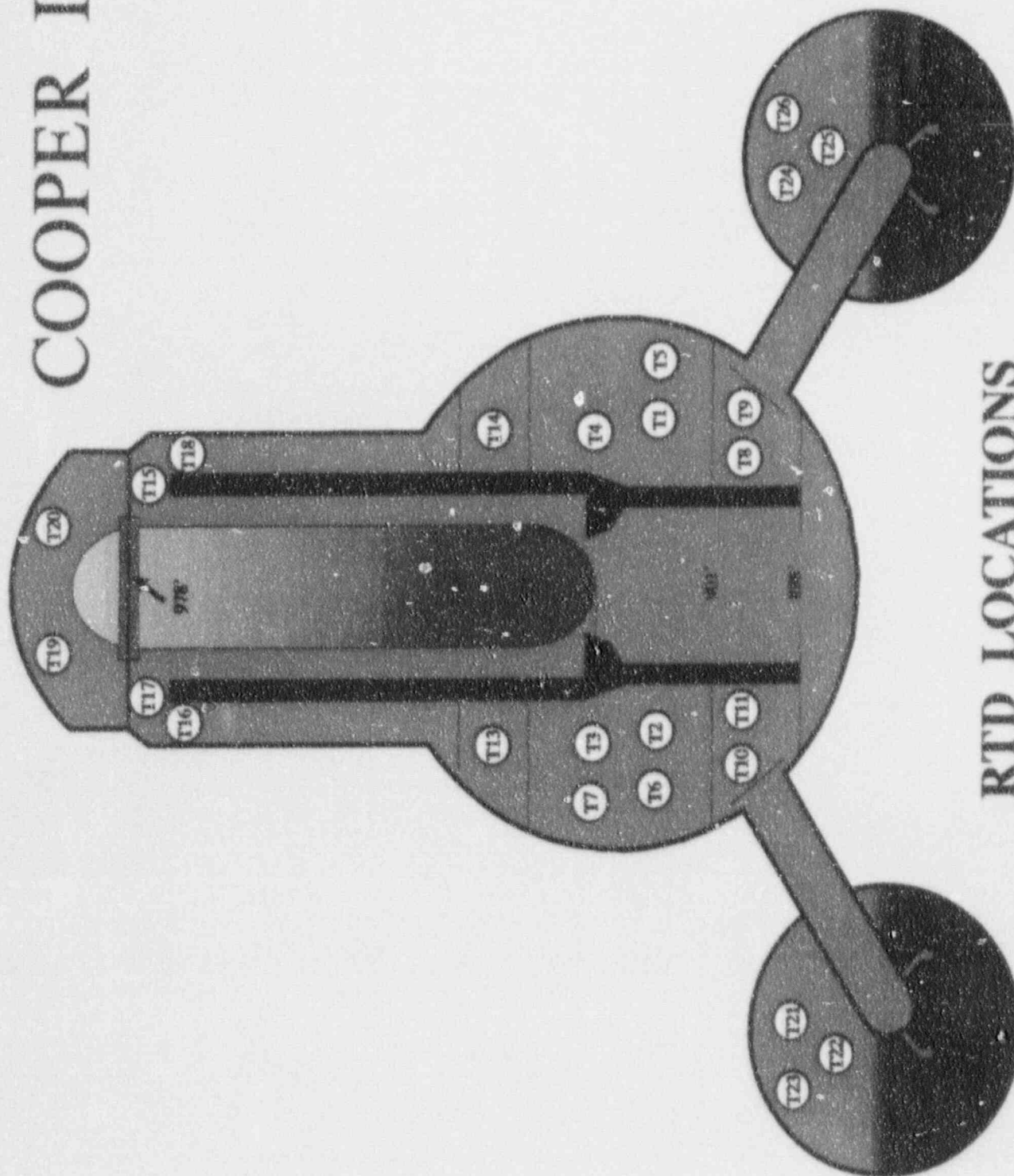
COOPER ILRT



DEWCELL LOCATION

COOPER ILRT

RTD LOCATIONS



TEMPERATURE STABILIZATION

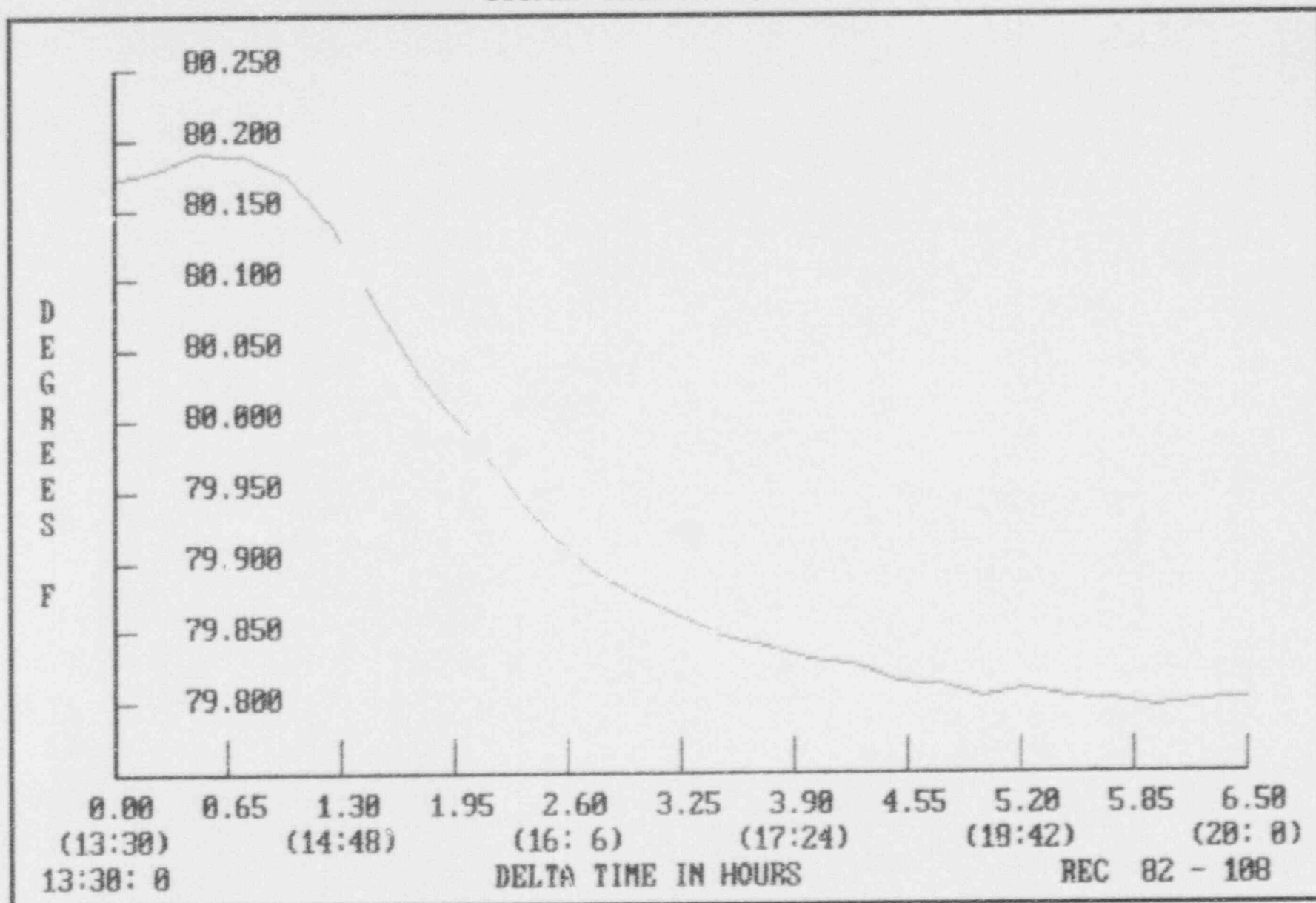
DATE - 12-13-1991

TIME - 09:22:56

TIME (DELTA) (HOURS)	TEMP	TEMP DIFF INCR	TEMP AVG (1 HR)	BN-TOP-1 AVG (2 HR)	BN-TOP-1 RATE (2 HR)	TEMP AVG (4 HR)	ANSI CRIT
0.00	539.842	0.000	0.000	0.000	0.000	0.000	0.000
0.25	539.848	0.006	0.000	0.000	0.000	0.000	0.000
0.50	539.860	0.012	0.000	0.000	0.000	0.000	0.000
0.75	539.859	-0.001	0.000	0.000	0.000	0.000	0.000
1.00	539.844	-0.015	539.843	0.000	0.000	0.000	0.000
1.25	539.809	-0.036	539.828	0.000	0.000	0.000	0.000
1.50	539.752	-0.056	539.806	0.000	0.000	0.000	0.000
1.75	539.703	-0.049	539.781	0.000	0.000	0.000	0.000
2.00	539.666	-0.037	539.755	-0.088	0.091	0.000	0.000
2.25	539.627	-0.039	539.718	-0.111	0.111	0.000	0.000
2.50	539.591	-0.035	539.672	-0.134	0.134	0.000	0.000
2.75	539.564	-0.027	539.634	-0.147	0.147	0.000	0.000
3.00	539.546	-0.019	539.606	-0.149	0.149	0.000	0.000
3.25	539.531	-0.015	539.579	-0.139	0.139	0.000	0.000
3.50	539.517	-0.014	539.554	-0.118	0.118	0.000	0.000
3.75	539.510	-0.007	539.537	-0.097	0.097	0.000	0.000
4.00	539.501	-0.008	539.524	-0.082	0.082	-0.085	0.041
4.25	539.497	-0.004	539.514	-0.065	0.065	-0.088	0.054
4.50	539.485	-0.012	539.501	-0.053	0.053	-0.094	0.061
4.75	539.483	-0.002	539.496	-0.041	0.041	-0.094	0.067
5.00	539.473	-0.009	539.487	-0.036	0.036	-0.093	0.065
5.25	539.480	0.006	539.488	-0.026	0.026	-0.082	0.065
5.50	539.474	-0.006	539.479	-0.022	0.022	-0.070	0.059
5.75	539.472	-0.002	539.477	-0.019	0.019	-0.058	0.047
6.00	539.466	-0.006	539.470	-0.018	0.018	-0.050	0.043
6.25	539.470	0.004	539.475	-0.013	0.013	-0.039	0.030
6.50	539.473	0.003	539.473	-0.006	0.006	-0.030	0.029

AVERAGE TEMPERATURE - TEMPERATURE STABILIZATION

COOPER - DECEMBER 9, 1991



Attachment 4B

 DATE - 12-13-1991

ENVIRONMENT LISTING

 TIME - 09:23:00

REC NUM	DATE	TIME	TEMP	VAPOR PRESSURE	CORRECT. PRESSURE	RELATIVE HUMIDITY	AIR DENSITY	PSIA/HR VARIANCE
82	9	1330	539.842	0.3896	72.4334	76.39	0.3622	0.00000
83	9	1345	539.848	0.3891	72.4339	76.27	0.3622	0.00192
84	9	1400	539.860	0.3906	72.4269	76.54	0.3621	-0.02811
85	9	1415	539.859	0.3903	72.4182	76.49	0.3621	-0.03482
86	9	1430	539.844	0.3913	72.4052	76.72	0.3620	-0.05194
87	9	1445	539.809	0.3911	72.3904	76.77	0.3620	-0.05930
88	9	1500	539.752	0.3911	72.3774	76.91	0.3619	-0.05194
89	9	1515	539.703	0.3917	72.3618	77.15	0.3619	-0.06229
90	9	1530	539.666	0.3924	72.3511	77.38	0.3619	-0.04291
91	9	1545	539.627	0.3923	72.3512	77.46	0.3619	0.00049
92	9	1600	539.591	0.3933	72.3427	77.75	0.3619	-0.03403
93	9	1615	539.564	0.3937	72.3368	77.90	0.3619	-0.02368
94	9	1630	539.546	0.3931	72.3324	77.82	0.3619	-0.01749
95	9	1645	539.531	0.3938	72.3272	77.99	0.3618	-0.02063
96	9	1700	539.517	0.3940	72.3235	78.07	0.3618	0.01489
97	9	1715	539.510	0.3938	72.3197	78.04	0.3618	-0.01511
98	9	1730	539.501	0.3943	72.3162	78.17	0.3618	-0.01407
99	9	1745	539.497	0.3946	72.3129	78.25	0.3618	-0.01340
100	9	1800	539.485	0.3948	72.3096	78.32	0.3618	-0.01294
101	9	1815	539.483	0.3950	72.3065	78.36	0.3618	-0.01260
102	9	1830	539.473	0.3951	72.3039	78.41	0.3618	-0.01044
103	9	1845	539.480	0.3950	72.3015	78.37	0.3617	-0.00958
104	9	1900	539.474	0.3950	72.2985	78.37	0.3617	-0.01184
105	9	1915	539.472	0.3956	72.2889	78.51	0.3617	-0.03860
106	9	1930	539.466	0.3964	72.2796	78.69	0.3616	-0.03729
107	9	1945	539.470	0.3966	72.2714	78.70	0.3616	-0.03250
108	9	2000	539.473	0.3959	72.2641	78.57	0.3616	-0.02939

 DATE - 12-13-1991

ENVIRONMENT LISTING
 ZONE - 1

 TIME - 09:23:02

REC NUM	DATE TIME	TEMP	VAPOR PRESSURE	CORRECT. PRESSURE	RELATIVE HUMIDITY	AIR DENSITY	PSIA/HR VARIANCE
82	9 1330	542.693	0.3457	72.4753	61.82	0.3605	0.00000
83	9 1345	542.820	0.3451	72.4759	61.46	0.3604	0.00253
84	9 1400	542.905	0.3480	72.4680	61.81	0.3603	-0.03180
85	9 1415	542.939	0.3479	72.4591	61.71	0.3602	-0.03534
86	9 1430	542.942	0.3496	72.4454	62.01	0.3602	-0.05487
87	9 1445	542.892	0.3496	72.4304	62.12	0.3601	-0.06015
88	9 1500	542.815	0.3498	72.4172	62.30	0.3601	-0.05258
89	9 1515	542.742	0.3506	72.4014	62.59	0.3601	-0.06311
90	9 1530	542.680	0.3518	72.3902	62.93	0.3601	-0.04504
91	9 1545	542.625	0.3518	72.3902	63.04	0.3601	0.00015
92	9 1600	542.564	0.3535	72.3805	63.47	0.3601	-0.03888
93	9 1615	542.530	0.3541	72.3748	63.66	0.3601	-0.02261
94	9 1630	542.510	0.3535	72.3705	63.59	0.3601	-0.01755
95	9 1645	542.492	0.3546	72.3644	63.82	0.3600	-0.02435
96	9 1700	542.473	0.3549	72.3611	63.92	0.3600	-0.01328
97	9 1715	542.463	0.3548	72.3572	63.91	0.3600	-0.01544
98	9 1730	542.471	0.3556	72.3534	64.05	0.3600	-0.01535
99	9 1745	542.460	0.3561	72.3499	64.15	0.3600	-0.01376
100	9 1800	542.453	0.3566	72.3464	64.26	0.3600	-0.01413
101	9 1815	542.457	0.3571	72.3429	64.33	0.3600	-0.01376
102	9 1830	542.449	0.3575	72.3395	64.43	0.3600	-0.01379
103	9 1845	542.461	0.3575	72.3375	64.41	0.3599	-0.00800
104	9 1900	542.460	0.3572	72.3348	64.35	0.3599	-0.01077
105	9 1915	542.466	0.3586	72.3244	64.58	0.3599	-0.04144
106	9 1930	542.469	0.3600	72.3140	64.84	0.3598	-0.04181
107	9 1945	542.486	0.3605	72.3055	64.89	0.3598	-0.03394
108	9 2000	542.487	0.3593	72.2987	64.67	0.3597	-0.02722

 DATE - 12-13-1991

ENVIRONMENT LISTING
 ZONE - 2

 TIME - 09:23:04

REC NUM	DATE TIME	TEMP	VAPOR PRESSURE	CORRECT. PRESSURE	RELATIVE HUMIDITY	AIR DENSITY	PSIA/HR VARIANCE
82	9 1330	536.424	0.4496	72.3754	98.60	0.3642	0.00000
83	9 1345	536.285	0.4494	72.3756	98.99	0.3643	0.00101
84	9 1400	536.210	0.4487	72.3703	99.10	0.3643	-0.02136
85	9 1415	536.167	0.4482	72.3618	99.13	0.3643	-0.03406
86	9 1430	536.131	0.4480	72.3500	99.21	0.3642	-0.04733
87	9 1445	536.112	0.4476	72.3354	99.16	0.3642	-0.05804
88	9 1500	536.080	0.4473	72.3227	99.21	0.3641	-0.05103
89	9 1515	536.060	0.4476	72.3074	99.33	0.3641	-0.06097
90	9 1530	536.052	0.4475	72.2975	99.34	0.3640	-0.03964
91	9 1545	536.033	0.4472	72.2978	99.35	0.3641	0.00098
92	9 1600	536.029	0.4471	72.2979	99.35	0.3640	-0.02768
93	9 1615	536.009	0.4472	72.2868	99.43	0.3640	-0.02432
94	9 1630	535.993	0.4466	72.2864	99.34	0.3640	-0.01740
95	9 1645	535.981	0.4466	72.2764	99.37	0.3640	-0.01599
96	9 1700	535.973	0.4467	72.2723	99.42	0.3640	-0.01633
97	9 1715	535.969	0.4463	72.2687	99.36	0.3639	-0.01471
98	9 1730	535.942	0.4463	72.2657	99.45	0.3640	-0.01199
99	9 1745	535.946	0.4466	72.2624	99.49	0.3639	-0.01297
100	9 1800	535.926	0.4463	72.2597	99.50	0.3639	-0.01102
101	9 1815	535.918	0.4461	72.2569	99.47	0.3639	-0.01102
102	9 1830	535.906	0.4457	72.2553	99.42	0.3639	-0.00638
103	9 1845	535.906	0.4454	72.2526	99.37	0.3639	-0.01102
104	9 1900	535.894	0.4458	72.2492	99.48	0.3639	-0.01331
105	9 1915	535.882	0.4453	72.2401	99.43	0.3639	-0.03436
106	9 1930	535.867	0.4453	72.2327	99.46	0.3638	-0.03168
107	9 1945	535.855	0.4449	72.2231	99.41	0.3638	-0.03036
108	9 2000	535.859	0.4450	72.2170	99.43	0.3638	-0.03265

***** SENSOR LIST *****

RECORD NUMBER - 82 DATE - 12/ 9 TIME - 13:30: 0

PRESSURES

1 -	72.82100	2 -	72.82500
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.82300

RTD/S

1	81.647	2	84.613	3	83.023	4	78.658
5	80.318	6	81.362	7	80.935	8	79.109
9	79.132	10	79.227	11	79.156	12	85.798
13	85.292	14	85.141	15	92.310	16	92.191
17	91.929	18	93.260	19	87.605	20	87.605
21	75.174	22	76.809	23	77.164	24	76.738
25	76.548	26	78.089	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	50.254	INACT	0.033
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 80.172

DEW CELLS

1	67.361	2	68.734	3	69.752	4	68.081
5	76.614	6	76.038	INACT	76.738	INACT	75.174
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 72.032

AMBIENT PRESS - 14.43219

VAPOR PRESS - .3895716

DRY PRESSURE - 72.43343

FLOWS - .3009 0

TOTAL FLOW 0

***** SENSOR LIST *****

RECORD NUMBER - 83 DATE - 12/ 9 TIME - 13:45: 0

PRESSURES

1 -	72.82100	2 -	72.82500
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.82300

RTD/S

1	81.694	2	84.922	3	83.142	4	78.682
5	80.271	6	81.410	7	80.911	8	79.038
9	79.038	10	79.132	11	79.061	12	86.014
13	85.765	14	85.655	15	92.642	16	92.666
17	92.452	18	93.760	19	87.843	20	87.795
21	75.055	22	76.690	23	77.022	24	76.596
25	76.406	26	77.923	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	49.033	INACT	0.033
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 80.178

DEW CELLS

1	67.505	2	68.280	3	69.719	4	68.302
5	76.581	6	76.038	INACT	76.596	INACT	75.055
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 71.995

AMBIENT PRESS - 14.43219

VAPOR PRESS - .3890888

DRY PRESSURE - 72.43391

FLOWS - .2498 0

TOTAL FLOW 0

SENSOR LIST

RECORD NUMBER - 84

DATE - 12/ 9

TIME - 14: 0: 0

PRESSURES

1 -	72.81600	2 -	72.81900
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.81750

RTD/S

1	81.694	2	85.041	3	83.189	4	78.682
5	80.271	6	81.457	7	80.911	8	78.990
9	79.038	10	79.085	11	79.061	12	86.014
13	86.023	14	86.040	15	93.046	16	92.975
17	92.761	18	93.997	19	88.033	20	88.009
21	74.984	22	76.572	23	76.951	24	76.548
25	76.311	26	77.876	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	47.910	INACT	0.033
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 80.190

DEW CELLS

1	67.915	2	68.678	3	69.763	4	68.391
5	76.581	6	75.950	INACT	76.548	INACT	74.984
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 72.112

AMBIENT PRESS - 14.4319

VAPOR PRESS - .3906228

DRY PRESSURE - 72.42688

FLOWS - .2877 0

TOTAL FLOW 0

***** SENSOR LIST *****

RECORD NUMBER - 85 DATE - 12/ 9 TIME - 14:15: 0

PRESSURES

1 -	72.80700	2 -	72.81000
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.80850

RTD/S

1	81.718	2	85.064	3	83.237	4	78.658
5	80.271	6	81.481	7	80.911	8	78.943
9	79.038	10	79.085	11	79.061	12	86.143
13	86.152	14	86.083	15	93.379	16	92.951
17	92.714	18	93.902	19	88.199	20	88.151
21	74.937	22	76.148	23	76.927	24	76.453
25	76.264	26	77.852	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	46.963	INACT	0.033
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 80.189

DEW CELLS

1	68.081	2	68.468	3	69.741	4	68.413
5	76.548	6	75.917	INACT	76.453	INACT	74.937
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL .089

AMBIENT PRESS - 14.43155

VAPOR PRESS - .3903244

DRY PRESSURE - 72.41817

FLOWS - .2251 0

TOTAL FLOW 0

***** SENSOR LIST *****

RECORD NUMBER - 86 DATE - 12/ 9 TIME - 14:30: 0

PRESSURES

1 -	72.79500	2 -	72.79800
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.79649

RTD/S

1	81.718	2	85.064	3	83.237	4	78.682
5	80.247	6	81.528	7	80.935	8	78.943
9	79.038	10	79.061	11	79.038	12	86.402
13	86.195	14	86.083	15	93.213	16	92.690
17	92.452	18	93.688	19	88.294	20	88.246
21	74.913	22	76.524	23	76.880	24	76.430
25	76.240	26	77.781	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	46.338	INACT	0.033
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 80.174

DEW CELLS

1	68.191	2	68.723	3	69.829	4	68.523
5	76.525	6	75.917	INACT	76.430	INACT	74.913
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 72.163

AMBIENT PRESS - 14.43155

VAPOR PRESS - .3913007

DRY PRESSURE - 72.40519

FLWS - .1543 0

TOTAL FLOW 0

SENSOR LIST

RECORD NUMBER - 87

DATE - 12/ 9

TIME - 14:45: 0

PRESSURES

1 -	72.78000	2 -	72.78300
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.78149

RTI/S

1	81.718	2	85.017	3	83.237	4	78.682
5	80.271	6	81.528	7	80.911	8	78.943
9	79.014	10	79.061	11	79.061	12	86.316
13	86.152	14	85.997	15	74.690	16	92.452
17	92.143	18	93.403	19	88.341	20	88.270
21	74.889	22	76.524	23	76.856	24	76.406
25	76.216	26	77.757	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	45.693	INACT	0.033
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 80.139

DEW CELLS

1	68.280	2	68.546	3	69.907	4	68.557
5	76.525	6	75.850	INACT	76.406	INACT	74.889
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 72.150

AMBIENT PRFS: - 14.43318

VAPOR PRESS - .3911257

DRY PRESSURE - 72.39037

FLOWS - .2449 0

TOTAL FLOW 0

***** SENSOR LIST *****

RECORD NUMBER - 88 DATE - 12/ 9 TIME - 15: 01: 0

PRESSURES

1 -	72.76700	2 -	72.77000
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.76700

RTD

1	81.742	2	84.946	3	83.213	4	78.682
5	80.295	6	81.528	7	80.911	8	78.943
9	79.014	10	79.085	11	79.038	12	83.057
13	86.023	14	85.826	15	92.405	16	92.048
17	91.715	18	92.975	19	88.318	20	88.246
21	74.842	22	76.453	23	76.833	24	76.382
25	76.216	26	77.733	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	45.605	INACT	0.036
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 80.082

DEW CELLS

1	68.457	2	68.291	3	69.984	4	68.623
5	76.503	6	75.839	INACT	76.382	INACT	74.842
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 72.149

AMBIENT PRESS - 14.43318

VAPOR PRESS - .3911148

DRY PRESSURE - 72.37738

FLWS - .0984 0

TOTAL FLOW 0

***** SENSOR LIST *****

RECORD NUMBER - 89 DATE - 12/ 9 TIME - 15:15: 0

PRESSURES

1 -	72.75200	2 -	72.75500
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.75349

RTD/S

1	81.742	2	84.874	3	83.142	4	78.682
5	80.295	6	81.576	7	80.911	8	78.919
9	79.014	10	79.061	11	79.014	12	86.057
13	85.851	14	85.740	15	91.953	16	91.644
17	91.287	18	92.571	19	88.246	20	88.175
21	74.818	22	76.430	23	76.809	24	76.382
25	76.169	26	77.733	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	44.893	INACT	0.033
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 85.533

DEW CELLS

1	68.490	2	68.435	3	70.062	4	68.601
5	76.514	6	75.861	INACT	76.382	INACT	74.818
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 72.193

AMBIENT PRESS - 14.43445

VAPOR PRESS - .3916872

DRY PRESSURE - 72.36181

FLOWS - .2893 0

TOTAL FLOW 0

SENSOR LIST

PFCORD NUMBER - 90

DATE - 12/ 9

TIME - 15:30: 0

PRESSURES

1 -	72.74200	2 -	72.74500
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.74350

RTD/S

1	81.742	2	84.803	3	83.142	4	78.682
5	80.271	6	81.576	7	80.911	8	78.943
9	79.014	10	79.061	11	79.038	12	85.970
13	85.722	14	85.612	15	91.834	16	91.287
17	90.883	18	92.119	19	88.151	20	88.104
21	74.818	22	76.453	23	76.785	24	76.358
25	76.145	26	77.733	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	45.449	INACT	0.036
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.996

DEW CELLS

1	68.601	2	68.678	3	70.040	4	68.678
5	76.503	6	75.861	INACT	76.358	INACT	74.818
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 72.248

AMBIENT PRESS - 14.43532

VAPOR PRESS - .3924144

DRY PRESSURE - 72.35108

FLOWS - 0 0

TOTAL FLOW 0

***** SENSOR LIST *****

RECORD NUMBER - 91 DATE - 12/ 9 TIME - 15:45: 0

PRESSURES

1 -	72.74200	2 -	72.74500
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.74350

RTD/S

1	81.718	2	84.780	3	83.118	4	78.682
5	80.295	6	81.552	7	80.935	8	78.943
9	79.038	10	79.085	11	79.014	12	85.970
13	85.636	14	85.526	15	91.525	16	90.931
17	90.551	18	91.739	19	88.056	20	87.985
21	74.794	22	76.430	23	76.738	24	76.358
25	76.145	26	77.710	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	47.979	INACT	0.036
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.957

DEW CELLS

1	68.623	2	68.557	3	70.084	4	68.745
5	76.492	6	75.839	INACT	76.358	INACT	74.794
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 72.239

AMBIENT PRESS - 14.43539

VAPOR PRESS - .3922936

DRY PRESSURE - 72.3512

FLOWS - 0 0

TOTAL FLOW 0

***** SENSOR LIST *****

RECORD NUMBER - 92 DATE - 12/ 9 TIME - 16: 0: 0

PRESSURES

1 -	72.73400	2 -	72.73800
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.73600

RTD/S

1	81.718	2	84.803	3	83.071	4	78.658
5	80.271	6	81.552	7	80.911	8	78.966
9	79.038	10	79.109	11	79.038	12	85.798
13	85.550	14	85.440	15	91.145	16	90.670
17	90.313	18	91.430	19	87.961	20	87.866
21	74.794	22	76.430	23	76.761	24	76.335
25	76.145	26	77.686	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	47.861	INACT	0.036
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.921

DEW CELLS

1	68.656	2	68.911	3	70.184	4	68.800
5	76.492	6	75.828	INACT	76.335	INACT	74.794
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 72.315

AMBIENT PRESS - 14.43381

VAPOR PRESS - .3932998

DRY PRESSURE - 72.3427

FLWS - .1642 0

TOTAL FLOW 0

***** SENSOR LIST *****

RECORD NUMBER - 93 DATE - 12/ 9 TIME - 16:15: 0

PRESSURES

1 -	72.72900	2 -	72.73200
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.73050

RTD/S

1	81.718	2	84.803	3	83.094	4	78.682
5	80.271	6	81.552	7	80.935	8	78.919
9	79.038	10	79.065	11	79.038	12	85.798
13	85.507	14	85.398	15	90.931	16	90.456
17	90.123	18	91.216	19	87.890	20	87.795
21	74.771	22	76.406	23	76.738	24	76.335
25	76.121	26	77.662	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	47.793	INACT	0.036
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.894

DEW CELLS

1	68.745	2	69.021	3	70.150	4	68.844
5	76.470	6	75.861	INACT	76.335	INACT	74.771
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 72.347

AMBIENT PRESS - 14.43126

VAPOR PRESS - .3937214

DRY PRESSURE - 72.33678

FLOWS - .2367 0

TOTAL FLOW 0

***** SENSOR LIST *****

RECORD NUMBER - 94 DATE - 12/ 9 TIME - 16:30: 0

PRESSURES

1 -	72.72400	2 -	72.72700
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.72549

RTD/S

1	81.694	2	84.780	3	83.094	4	78.682
5	80.247	6	81.552	7	80.935	8	78.943
9	79.038	10	79.109	11	79.061	12	85.755
13	85.507	14	85.398	15	90.812	16	90.313
17	90.004	18	91.026	19	87.843	20	87.748
21	74.747	22	76.382	23	76.738	24	76.311
25	76.098	26	77.662	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	47.744	INACT	0.036
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.876

DEW CELLS

1	68.822	2	68.689	3	70.206	4	68.867
5	76.470	6	75.773	INACT	76.311	INACT	74.747
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 72.299

AMBIENT PRESS - 14.43028

VAPOR PRESS - .3930913

DRY PRESSURE - 72.33241

FLWS - .1198 0

TOTAL FLOW 0

***** SENSOR LIST *****

RECORD NUMBER - 95 DATE - 12/ 9 TIME - 16:45: 0

PRESSURES

1 -	72.71900	2 -	72.72300
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.72100

RTD/S

1	81.742	2	84.756	3	83.118	4	78.658
5	80.247	6	81.552	7	80.911	8	78.943
9	79.038	10	79.109	11	79.061	12	85.798
13	85.464	14	85.355	15	90.741	16	90.194
17	89.814	18	90.955	19	87.795	20	87.700
21	74.747	22	76.382	23	76.714	24	76.287
25	76.098	26	77.639	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	47.686	INACT	0.036
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.861

DEW CELLS

1	68.778	2	69.044	3	70.228	4	68.867
5	76.437	6	75.806	INACT	76.287	INACT	74.747
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 72.349

AMBIENT PRESS - 14.43092

VAPOR PRESS - .3937508

DRY PRESSURE - 72.32725

FLOWS - .263 0

TOTAL FLOW 0

***** SENSOR LIST *****

RECORD NUMBER - 96 DATE - 12/ 9 TIME - 17: 0: 0

PRESSURES

1 -	72.71600	2 -	72.71900
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.71750

RTD/S

1	81.671	2	84.780	3	83.118	4	78.658
5	80.247	6	81.552	7	80.935	8	78.966
9	79.038	10	79.109	11	79.061	12	85.755
13	85.421	14	85.355	15	90.693	16	90.099
17	89.696	18	90.836	19	87.748	20	87.653
21	74.723	22	76.358	23	76.714	24	76.311
25	76.074	26	77.639	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	47.578	INACT	0.036
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.847

DEW CELLS

1	68.789	2	69.088	3	70.217	4	68.944
5	76.448	6	75.806	INACT	76.311	INACT	74.723
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 72.366

AMBIENT PRESS - 14.42934

VAPOR PRESS - .3939743

DRY PRESSURE - 72.32352

FLOWS - .3025 0

TOTAL : LOW 0

***** SENSOR LIST *****

RECORD NUMBER - 97 DATE - 12/ 9 TIME - 17:15: 0

PRESSURES

-	-	72.71200	2	-	72.71500
INACT	-	0.00000	INACT	-	0.00000
INACT	-	0.00000	INACT	-	0.00000

AVG PRESSURE 72.71350

RTD/S

1	81.647	2	84.780	3	83.094	4	78.658
5	80.271	6	81.552	7	80.935	8	78.966
9	79.038	10	79.132	11	79.061	12	85.798
13	85.421	14	85.355	15	90.432	16	90.028
17	89.672	18	90.788	19	87.724	20	87.629
21	74.723	22	76.335	23	76.690	24	76.311
25	76.074	26	77.662	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	47.441	INACT	0.036
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.840

DEW CELLS

1	68.667	2	69.044	3	70.339	4	68.944
5	76.437	6	75.773	INACT	76.311	INACT	74.723
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 72.349

AMBIENT PRESS - 14.4319

VAPOR PRESS - .3937543

DRY PRESSURE - 72.31975

FLOWS - .1955 0

TOTAL FLOW 0

***** SENSOR LIST *****

RECORD NUMBER - 98 DATE - 12/ 9 TIME - 17:30: 0

PRESSURES

1 -	72.70900	2 -	72.71200
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.71049

RTD/S

1	81.694	2	84.803	3	83.094	4	78.658
5	80.271	6	81.552	7	80.935	8	78.990
9	79.061	10	79.109	11	79.061	12	85.841
13	85.464	14	85.355	15	90.503	16	89.981
17	89.648	18	90.693	19	87.724	20	87.629
21	74.700	22	76.335	23	76.690	24	76.264
25	76.050	26	77.591	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	47.373	INACT	0.036
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.931

DEW CELLS

1	68.800	2	69.077	3	70.339	4	69.077
5	76.426	6	75.784	INACT	76.264	INACT	74.700
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 72.387

AMBIENT PRESS - 14.43126

VAPOR PRESS - .3942606

DRY PRESSURE - 72.31623

FLWS - .2202 0

TOTAL FLOW 0

***** SENSOR LIST *****

RECORD NUMBER - 99 DATE - 12/ 9 TIME - 17:45: 0

PRESSURES

1 -	72.70600	2 -	72.70900
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.70750

RTD/S

1	81.694	2	84.803	3	83.118	4	78.658
5	80.271	6	81.552	7	80.935	8	78.966
9	79.061	10	79.132	11	79.061	12	85.755
13	85.464	14	85.355	15	90.384	16	89.933
17	89.601	18	90.670	19	87.724	20	87.629
21	74.700	22	76.335	23	76.690	24	76.264
25	76.050	26	77.615	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	47.334	INACT	0.036
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.827

DEW CELLS

1	68.878	2	69.088	3	70.361	4	69.110
5	76.448	6	75.795	INACT	76.264	INACT	74.700
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 72.415

AMBIENT PRESS - 14.43637

VAPOR PRESS - .3946239

DRY PRESSURE - 72.31288

FLWS - .2169 0

TOTAL FLOW 0

SENSOR LIST

RECORD NUMBER - 100

DATE - 12/ 9

TIME - 18: 0: 0

PRESSURES

1 -	72.70300	2 -	72.70600
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.70450

RTD/S

1	81.694	2	84.803	3	83.142	4	78.634
5	80.271	6	81.528	7	80.935	8	78.990
9	79.061	10	79.132	11	79.061	12	85.755
13	85.464	14	85.398	15	90.289	16	89.886
17	89.553	18	90.646	19	87.700	20	87.605
21	74.700	22	76.287	23	76.667	24	76.240
25	76.050	26	77.591	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	47.207	INACT	0.039
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.815

DEW CELLS

1	68.867	2	69.243	3	70.350	4	69.154
5	76.459	6	75.751	INACT	76.240	INACT	74.700
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 72.431

AMBIENT PRESS - 14.43858

VAPOR PRESS - .3948479

DRY PRESSURE - 72.30965

FLOWS - .2548 0

TOTAL FLOW 0

SENSOR LIST

RECORD NUMBER - 101

DATE - 12/ 9

TIME - 18:15: 0

PRESSURES

1 -	72.70000	2 -	72.70300
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.70150

RTD/S

1	81.671	2	84.803	3	83.142	4	78.634
5	80.247	6	81.576	7	80.935	8	78.990
9	79.085	10	79.156	11	79.085	12	85.755
13	85.507	14	85.398	15	90.266	16	89.862
17	89.529	18	90.598	19	87.700	20	87.605
21	74.652	22	76.311	23	76.667	24	76.240
25	76.027	26	77.591	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	47.129	INACT	0.039
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.813

DEW CELLS

1	68.999	2	69.176	3	70.427	4	69.132
5	76.437	6	75.740	INACT	76.240	INACT	74.652
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 72.443

AMBIENT PRESS - 14.43509

VAPOR PRESS - .3950066

DRY PRESSURE - 72.3065

FLOWS - 0 0

TOTAL FLOW 0

***** SENSOR LIST *****

RECORD NUMBER - 102 DATE - 12/ 9 TIME - 18:30: 0

PRESSURES

1 -	72.69700	2 -	72.70100
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.69900

RTD/S

1	81.694	2	84.803	3	83.142	4	78.634
5	80.247	6	81.576	7	80.959	8	78.966
9	79.085	10	79.156	11	79.061	12	85.755
13	85.507	14	85.398	15	90.171	16	89.862
17	89.529	18	90.551	19	87.676	20	87.581
21	74.676	22	76.287	23	76.643	24	76.240
25	76.027	26	77.544	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	47.070	INACT	0.039
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.803

DEW CELLS

1	68.977	2	69.243	3	70.460	4	69.221
5	76.404	6	75.717	INACT	76.240	INACT	74.676
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 72.451

AMBIENT PRESS - 14.43062

VAPOR PRESS - .3951125

DRY PRESSURE - 72.30389

FLOWS - .3042 0

TOTAL FLOW 0

***** SENSOR LIST *****

RECORD NUMBER - 103 DATE - 12/ 9 TIME - 18:45: 0

PRESSURES

1 -	72.69500	2 -	72.69800
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.69650

RTD/S

1	81.694	2	84.827	3	83.166	4	78.658
5	80.271	6	81.576	7	80.959	8	78.990
9	79.085	10	79.156	11	79.109	12	85.755
13	85.507	14	85.440	15	90.218	16	89.838
17	89.434	18	90.527	19	87.700	20	87.581
21	74.652	22	76.264	23	76.667	24	76.240
25	76.027	26	77.568	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	47.012	INACT	0.039
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.810

DEW CELLS

1	68.988	2	69.110	3	70.538	4	69.287
5	76.393	6	75.695	INACT	76.240	INACT	74.652
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 72.444

AMBIENT PRESS - 14.4319

VAPOR PRESS - .3950137

DRY PRESSURE - 72.30149

FLOWS - .2861 0

TOTAL FLOW 0

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***** SENSOR LIST *****
RECORD NUMBER - 104      DATE - 12/ 9      TIME - 19: 0: 0

PRESSURES
  1 - 72.69200      2 - 72.69500
INACT - 0.00000    INACT - 0.00000
INACT - 0.00000    INACT - 0.00000

AVG PRESSURE      72.69350

RTD/S
  1 81.694      2 84.874      3 83.166      4 78.658
  5 80.271      6 81.600      7 80.959      8 78.990
  9 79.085     10 79.180     11 79.109     12 85.755
 13 85.507     14 85.440     15 90.123     16 89.814
 17 89.434     18 90.503     19 87.676     20 87.558
 21 74.652     22 76.264     23 76.643     24 76.216
 25 76.003     26 77.568    INACT 0.000    INACT 0.000
INACT 0.000    INACT 0.000    INACT 46.953    INACT 0.039
INACT 0.000    INACT 0.000    INACT 0.000    INACT 0.000
INACT 0.000    INACT 0.000    INACT 0.000    INACT 0.000
INACT 0.000    INACT 0.000    INACT 0.000    INACT 0.000
INACT 0.000    INACT 0.000    INACT 0.000    INACT 0.000

AVG RTD      79.804

DEW CELLS
  1 68.988      2 68.999      3 70.527      4 69.331
  5 76.393      6 75.740    INACT 76.216    INACT 74.652
INACT 0.000    INACT 0.000    INACT 0.000    INACT 0.000
INACT 0.000    INACT 0.000    INACT 0.000

AVG DEW CELL      72.440

AMBIENT PRESS - 14.43283
VAPOR PRESS - .3949625
DRY PRESSURE - 72.29853
FLOWS - .1214      0
TOTAL FLOW      0

```

***** SENSOR LIST *****

RECORD NUMBER - 105 DATE - 12/ 9 TIME - 19:15: 0

PRESSURES

1 -	72.68300	2 -	72.68600
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.68449

RTD/S

1	81.718	2	84.851	3	83.189	4	78.634
5	80.247	6	81.576	7	80.983	8	79.014
9	79.085	10	79.180	11	79.109	12	85.798
13	85.550	14	85.440	15	90.194	16	89.790
17	89.458	18	90.503	19	87.676	20	87.558
21	74.628	22	76.264	23	76.643	24	76.216
25	76.003	26	77.520	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	46.865	INACT	0.039
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.802

DEW CELLS

1	69.121	2	69.176	3	70.604	4	69.365
5	76.370	6	75.706	INACT	76.216	INACT	74.628
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 72.489

AMBIENT PRESS - 14.43347

VAPOR PRESS - .3956132

DRY PRESSURE - 72.28888

FLOWS - .2679 0

TOTAL FLOW 0

***** SENSOR LIST *****
 RECORD NUMBER - 106 DATE - 12/ 9 TIME - 19:30: 0

PRESSURES

1 -	72.67400	2 -	72.67800
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.67500

RTD/S

1	81.694	2	84.874	3	83.189	4	78.658
5	80.295	6	81.600	7	80.983	8	78.990
9	79.061	10	79.180	11	79.109	12	85.798
13	85.550	14	85.483	15	90.147	16	89.790
17	89.458	18	90.527	19	87.653	20	87.558
21	74.628	22	76.240	23	76.619	24	76.193
25	75.979	26	77.520	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	46.846	INACT	0.039
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.796

DEW CELLS

1	69.254	2	69.387	3	70.660	4	69.420
5	76.370	6	75.695	INACT	76.193	INACT	74.628
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 72.552

AMBIENT PRESS - 14.43126

VAPOR PRESS - .3964495

DRY PRESSURE - 72.27956

FLWS - .2647 0

TOTAL FLOW 0

SENSOR LIST

RECORD NUMBER - 107

DATE - 12/ 9

TIME - 19:45: 0

PRESSURES

1 -	72.66600	2 -	72.67000
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.66800

RTD/S

1	81.718	2	84.874	3	83.213	4	78.658
5	80.271	6	81.600	7	80.983	8	79.038
9	79.109	10	79.180	11	79.132	12	85.884
13	85.593	14	85.483	15	90.171	16	89.814
17	89.482	18	90.480	19	87.653	20	87.558
21	74.605	22	76.216	23	76.596	24	76.193
25	75.979	26	77.520	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	46.768	INACT	0.039
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.800

DEW CELLS

1	69.176	2	69.652	3	70.615	4	69.420
5	76.337	6	75.673	INACT	76.193	INACT	74.605
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 72.561

AMBIENT PRESS - 14.43092

VAPOR PRESS - .3965711

DRY PRESSURE - 72.27143

FLOWS - .2515 0

TOTAL FLOW 0

***** SENSOR LIST *****

RECORD NUMBER - 108 DATE - 12/ 9 TIME - 20: 0: 0

PRESSURES

1 -	72.65800	2 -	72.66200
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.66000

RTD/S

1	81.671	2	84.898	3	83.189	4	78.682
5	80.271	6	81.600	7	81.006	8	79.014
9	79.109	10	79.204	11	79.132	12	85.084
13	85.636	14	85.526	15	90.171	16	89.767
17	89.434	18	90.480	19	87.629	20	87.534
21	74.605	22	76.240	23	76.596	24	76.193
25	75.979	26	77.520	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	46.689	INACT	0.039
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.803

DEW CELLS

1	69.154	2	69.232	3	70.671	4	69.464
5	76.326	6	75.706	INACT	76.193	INACT	74.605
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 72.512

AMBIENT PRESS - 14.42934

VAPOR PRESS - .3959228

DRY PRESSURE - 72.26408

FLOWS - 0 0

TOTAL FLOW 0

DATE - 12-13-1991

TOTAL TIME CALCULATION RESULTS

TIME - 09:34:29

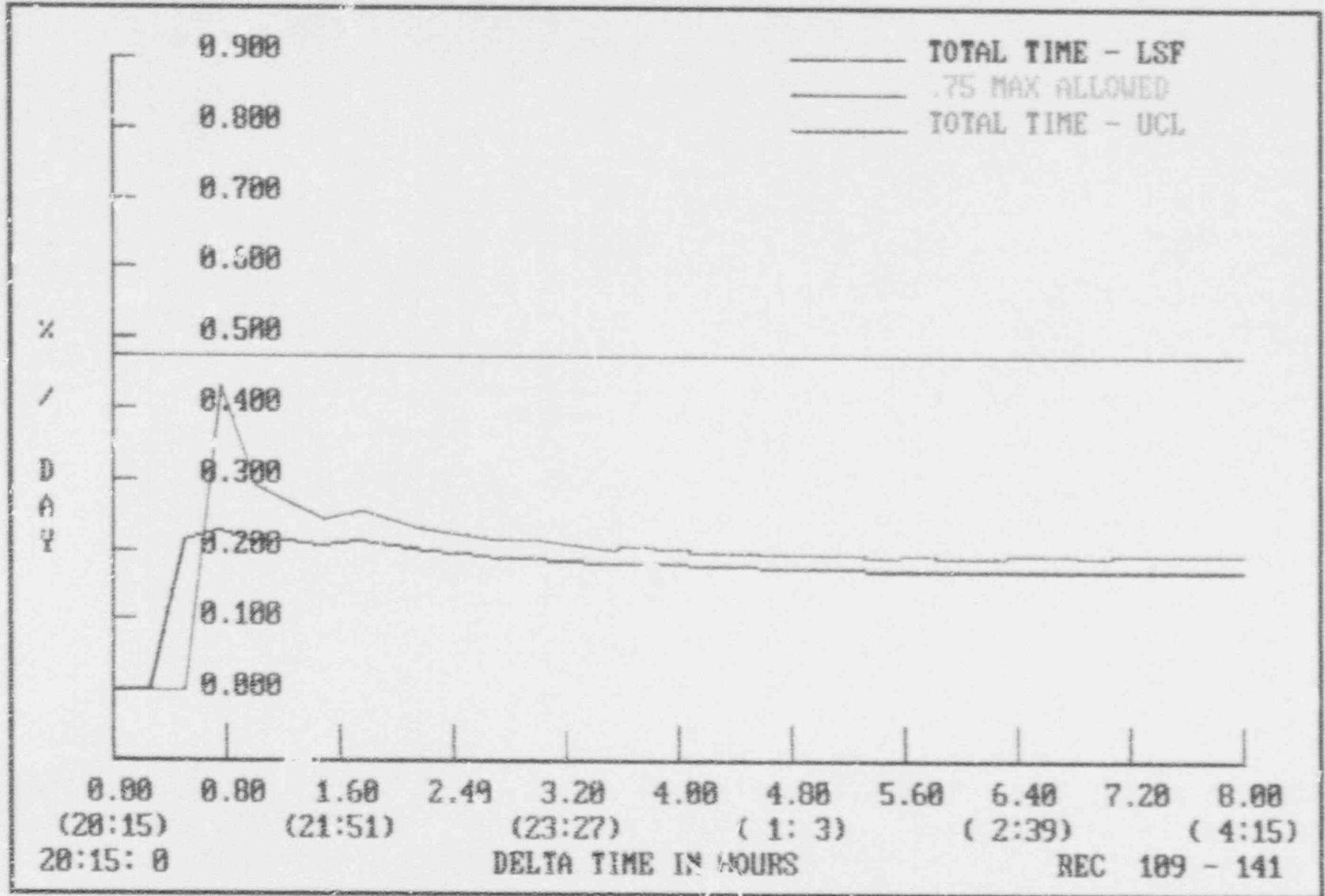
TIME	TEMP	VAPOR PRESS	DEW POINT	CORR. AIR PRESS	LSF LEAK RATE	UPPFR CONF LEVEL	MEASURED LEAK RATE
2015	539.473	0.3967	72.573	72.263	0.0000	0.00000	0.00000
2030	539.473	0.3969	72.587	72.261	0.0000	0.00000	0.23811
2045	539.477	0.3974	72.622	72.260	0.2132	0.00000	0.21325
2100	539.482	0.3978	72.656	72.259	0.2281	0.43169	0.23604
2115	539.479	0.3981	72.674	72.257	0.2126	0.29549	0.20642
2130	539.485	0.3983	72.690	72.256	0.2132	0.26806	0.21839
2145	539.487	0.3985	72.706	72.255	0.2058	0.24686	0.20333
2200	539.493	0.3994	72.771	72.254	0.2120	0.25755	0.22526
2215	539.494	0.3989	72.737	72.254	0.2053	0.24269	0.19975
2230	539.492	0.3993	72.762	72.252	0.1987	0.23237	0.19366
2245	539.495	0.3998	72.801	72.251	0.1943	0.22435	0.19374
2300	539.498	0.3994	72.771	72.251	0.1895	0.21708	0.18795
2315	539.505	0.4001	72.823	72.249	0.1886	0.21583	0.19631
2330	539.500	0.4004	72.848	72.249	0.1841	0.20900	0.18227
2345	539.502	0.4001	72.828	72.248	0.1800	0.20344	0.17939
0	539.515	0.4010	72.894	72.246	0.1807	0.20721	0.19501
15	539.508	0.4012	72.908	72.245	0.1789	0.20303	0.18441
30	539.508	0.4014	72.924	72.245	0.1765	0.19943	0.17942
45	539.516	0.4014	72.919	72.244	0.1755	0.19876	0.18423
100	539.514	0.4016	72.937	72.243	0.1736	0.19566	0.17782
115	539.520	0.4024	72.995	72.242	0.1729	0.19556	0.18286
130	539.519	0.4024	72.995	72.241	0.1719	0.19398	0.17970
145	539.523	0.4027	73.019	72.240	0.1710	0.19306	0.17972
200	539.528	0.4029	73.032	72.239	0.1708	0.19329	0.18218
215	539.532	0.4028	73.029	72.238	0.1703	0.19261	0.18025
230	539.537	0.4031	73.048	72.237	0.1700	0.19250	0.18091
245	539.542	0.4039	73.105	72.236	0.1706	0.19432	0.18621
300	539.545	0.4038	73.100	72.236	0.1704	0.19360	0.18122
315	539.544	0.4041	73.123	72.234	0.1701	0.19311	0.17990
330	539.554	0.4044	73.146	72.234	0.1703	0.19396	0.18372
345	539.558	0.4046	73.158	72.233	0.1705	0.19409	0.18271
400	539.566	0.4047	73.162	72.232	0.1707	0.19465	0.18393
415	539.569	0.4051	73.195	72.231	0.1710	0.19507	0.18397

MEASURED LEAK RATE USING TOTAL TIME: 0.171030

THE MEAN TOTAL TIME RATE OF 0.183109
IS LESS THAN ALLOWABLE MAXIMUM RATE OF .635

TOTAL TIME - TYPE A TEST

COOPER - DECEMBER 9-10, 1991



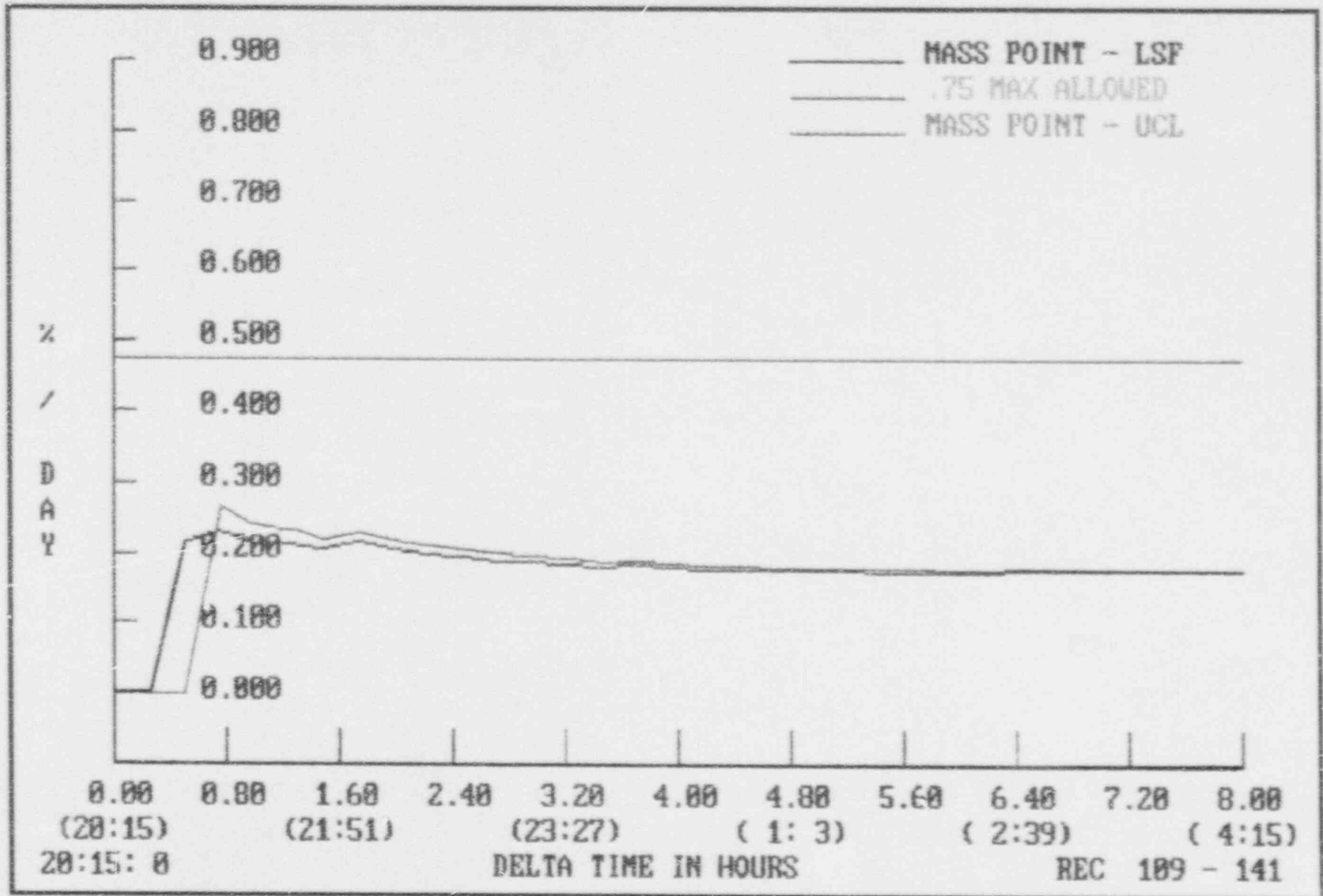
***** MASS POINT *****
 DATE - 12-13-1991 TIME - 09:34:34

TIME	TEMP	VAPOR PRESS	DEW POINT	CORR. AIR PRESS	CONT AIR MASS	LSF LEAK RATE	UPPER CONF LEVEL
2015	539.473	0.3967	72.573	72.263	87694.95	0.00000	0.00000
2030	539.473	0.3969	72.587	72.261	87692.77	0.00000	0.00000
2045	539.477	0.3974	72.622	72.260	87691.05	0.21338	0.00000
2100	539.482	0.3978	72.656	72.259	87688.48	0.23126	0.26716
2115	539.479	0.3981	72.674	72.257	87687.41	0.21218	0.24296
2130	539.485	0.3983	72.690	72.256	87684.98	0.21442	0.23287
2145	539.487	0.3985	72.706	72.255	87683.80	0.20599	0.22175
2200	539.493	0.3994	72.771	72.254	87683.55	0.21503	0.23023
2215	539.494	0.3989	72.737	72.254	87680.35	0.20634	0.22125
2230	539.492	0.3993	72.762	72.252	87679.03	0.19855	0.21291
2245	539.495	0.3998	72.801	72.251	87677.25	0.19413	0.20660
2300	539.498	0.3994	72.771	72.251	87676.06	0.18912	0.20064
2315	539.505	0.4001	72.823	72.249	87673.43	0.18936	0.19901
2330	539.500	0.4004	72.848	72.249	87673.30	0.18449	0.19410
2345	539.502	0.4001	72.828	72.248	87672.01	0.18026	0.18959
0	539.515	0.4010	72.894	72.246	87668.23	0.18258	0.19104
15	539.508	0.4012	72.908	72.245	87668.00	0.18109	0.18866
30	539.508	0.4014	72.924	72.245	87667.09	0.17861	0.18576
45	539.516	0.4014	72.919	72.244	87664.66	0.17822	0.18461
100	539.514	0.4016	72.937	72.243	87664.09	0.17628	0.18233
115	539.520	0.4024	72.995	72.242	87661.54	0.17618	0.18164
130	539.519	0.4024	72.995	72.241	87660.48	0.17539	0.18040
145	539.523	0.4027	73.019	72.240	87658.84	0.17484	0.17943
200	539.528	0.4029	73.032	72.239	87656.67	0.17503	0.17924
215	539.532	0.4028	73.029	72.238	87655.43	0.17483	0.17869
230	539.537	0.4031	73.048	72.237	87653.63	0.17485	0.17841
245	539.542	0.4039	73.105	72.236	87650.73	0.17600	0.17949
300	539.545	0.4038	73.100	72.236	87650.25	0.17601	0.17924
315	539.544	0.4041	73.123	72.234	87648.94	0.17580	0.17881
330	539.554	0.4044	73.146	72.234	87646.28	0.17637	0.17923
345	539.558	0.4046	73.158	72.233	87644.88	0.17669	0.17938
400	539.566	0.4047	73.162	72.232	87642.87	0.17720	0.17978
415	539.569	0.4051	73.195	72.231	87641.17	0.17768	0.18013

MAX ALLOWABLE LEAK RATE : .635
 75% OF MAX ALLOWABLE LEAK RATE .47625
 EPRI EQUATION #6 IS SATISFIED.
 EPRI EQUATION #7 IS SATISFIED

MASS POINT - TYPE A TEST

COOPER - DECEMBER 9-10, 1991



DATE - 12-13-1991

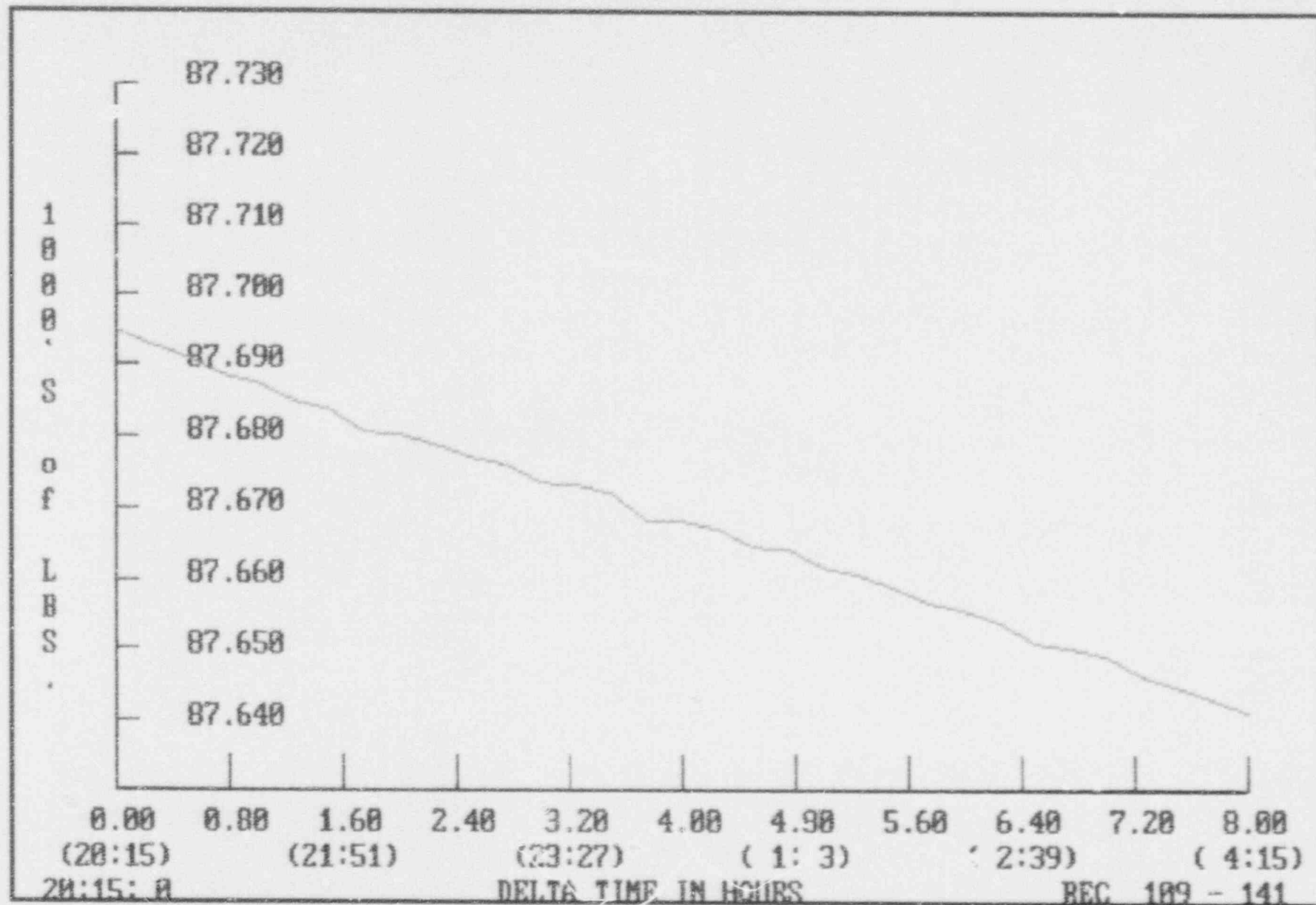
MASS LOSS

TIME - 09:34:41

REC NUM	TIME DELTA (HOURS)	CONT AIR MASS	MASS LOSS INCR	MASS LOSS (1 HR)	MASS LOSS (x 24)
109	0.00	87694.953	0.000	0.000	0.000
110	0.25	87692.773	-2.180	0.000	0.000
111	0.50	87691.055	-1.719	0.000	0.000
112	0.75	87688.484	-2.570	0.000	0.000
113	1.00	87687.406	-1.078	7.547	181.125
114	1.25	87684.977	-2.430	7.797	187.125
115	1.50	87683.800	-1.172	7.250	174.000
116	1.75	87680.547	-3.258	7.838	190.500
117	2.00	87680.352	-0.195	7.055	169.313
118	2.25	87679.031	-1.320	5.945	142.688
119	2.50	87677.250	-1.781	6.555	157.313
120	2.75	87676.063	-1.188	4.48	107.625
121	3.00	87673.430	-2.633	6.921	166.125
122	3.25	87673.305	-0.125	5.727	137.438
123	3.50	87672.008	-1.297	5.242	125.813
124	3.75	87668.227	-3.781	7.836	188.063
125	4.00	87668.000	-0.227	5.430	130.313
126	4.25	87667.086	-0.914	6.219	149.250
127	4.50	87664.656	-2.430	7.352	176.438
128	4.75	87664.086	-0.570	4.141	99.375
129	5.00	87661.539	-2.547	6.461	155.063
130	5.25	87660.477	-1.063	6.609	158.625
131	5.50	87658.836	-1.641	5.820	139.688
132	5.75	87656.672	-2.164	7.414	177.938
133	6.00	87655.430	-1.242	6.109	146.625
134	6.25	87653.633	-1.797	6.844	164.250
135	6.50	87650.727	-2.906	8.109	194.625
136	6.75	87650.250	-0.477	6.422	154.125
137	7.00	87648.938	-1.313	6.492	155.813
138	7.25	87646.281	-2.656	7.352	176.438
139	7.50	87644.803	-1.398	5.844	140.250
140	7.75	87642.867	-2.016	7.383	177.188
141	8.00	87641.172	-1.695	7.766	186.375

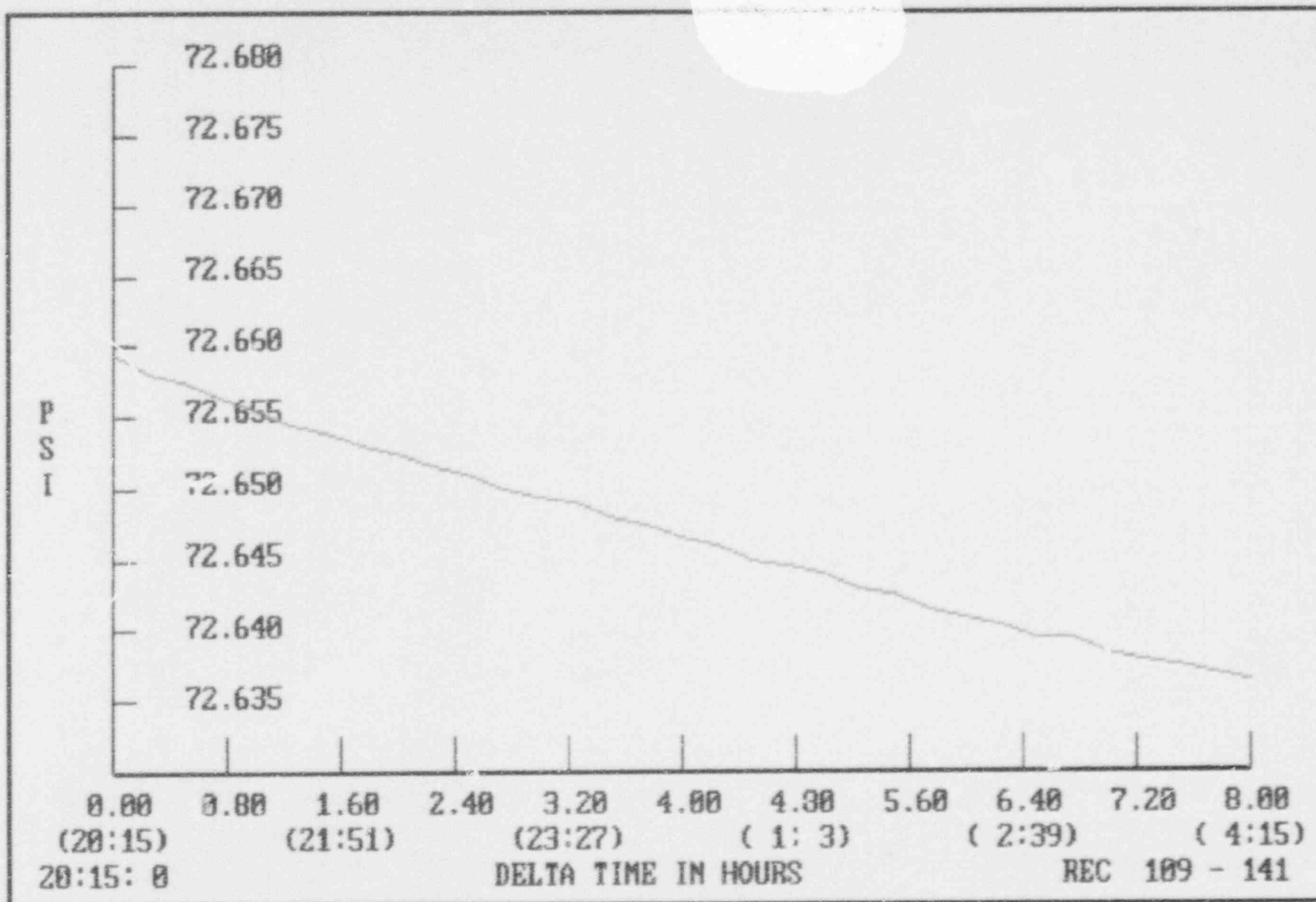
MEASURED MASS - TYPE A TEST

COOPER - DECEMBER 9-10, 1991



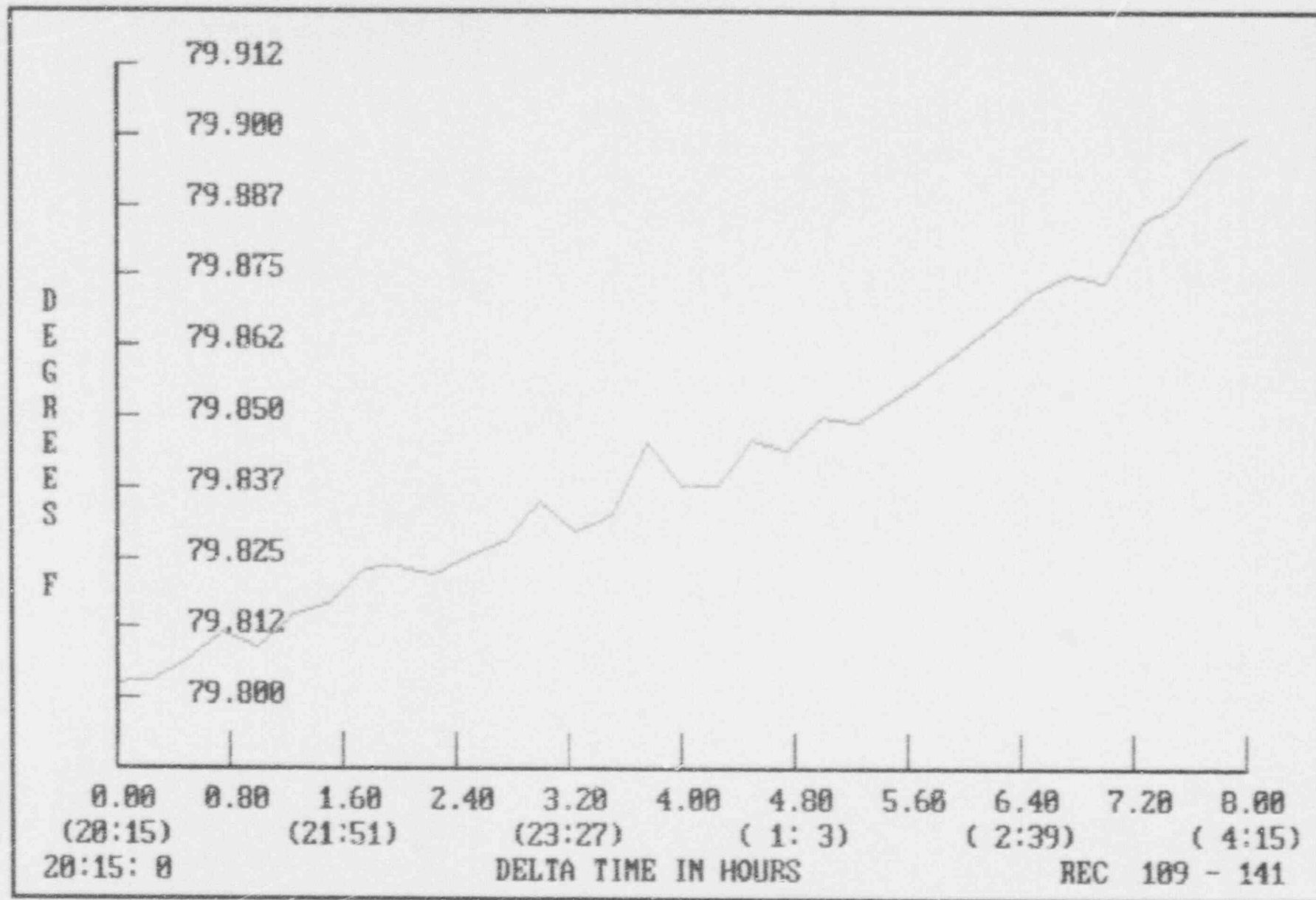
AVERAGE PRESSURE TYPE A TEST

COOPER - DECEMBER 1, 1961



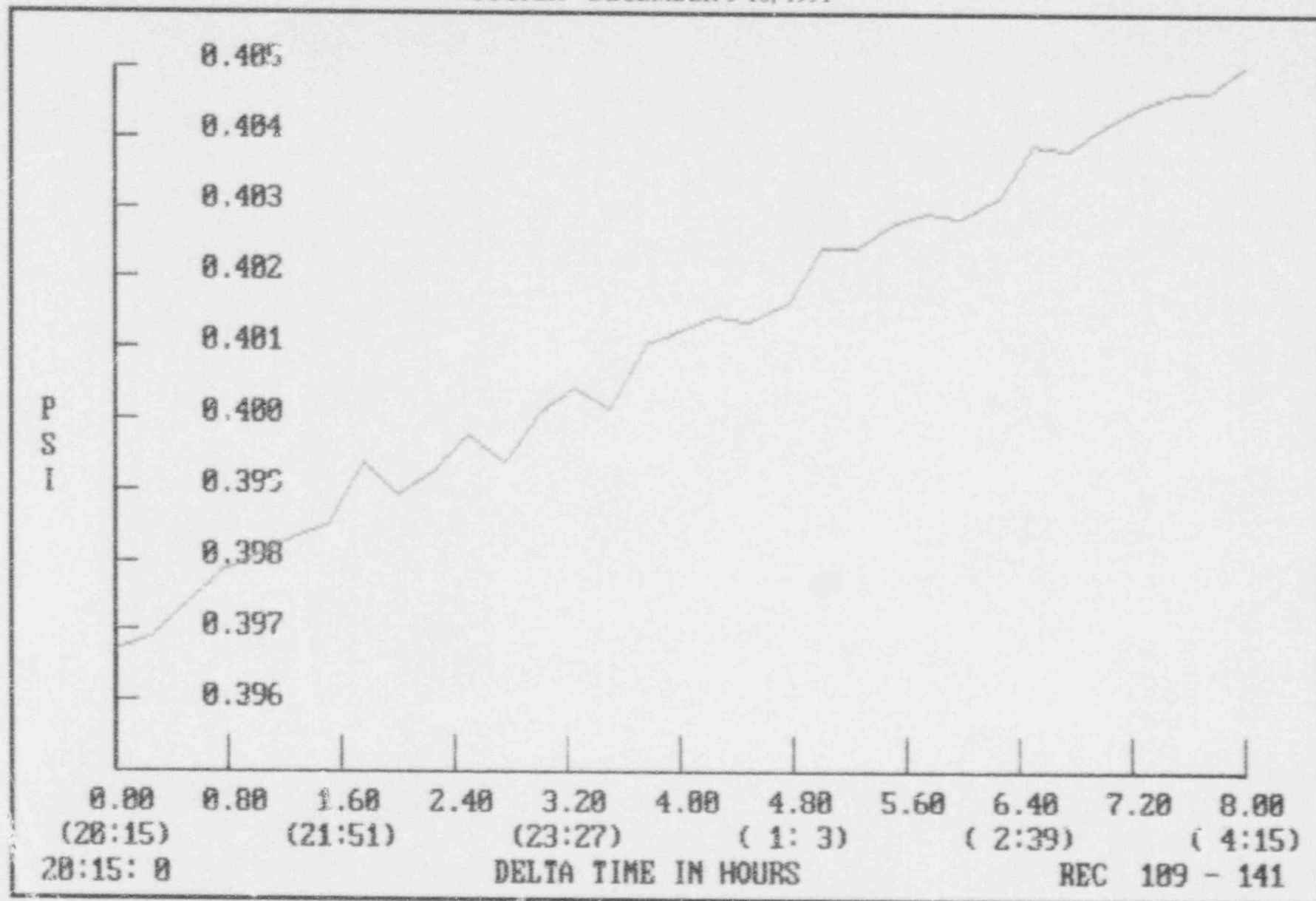
AVERAGE TEMPERATURE - TYPE A TEST

COOPER - DECEMBER 9-10, 1991



AVERAGE VAPOR PRESSURE - TYPE A TEST

COOPER - DECEMBER 9-10, 1991



 DATE - 12-13-1991

ENVIRONMENT LISTING

 TIME - 09:34:50

REC NUM	DATE TIME	TEMP	VAPOR PRESSURE	CORRECT. PRESSURE	RELATIVE HUMIDITY	AIR DENSITY	PSIA/HR VARIANCE
109	9 2015	539.473	0.3967	72.2628	78.73	0.3616	0.00000
110	9 2030	539.473	0.3969	72.2611	78.76	0.3615	-0.00674
111	9 2045	539.477	0.3974	72.2601	78.85	0.3615	-0.00391
112	9 2100	539.482	0.3978	72.2587	78.92	0.3615	-0.00580
113	9 2115	539.479	0.3981	72.2574	78.98	0.3615	-0.00491
114	9 2130	539.485	0.3983	72.2562	79.01	0.3615	-0.00494
115	9 2145	539.487	0.3985	72.2555	79.04	0.3615	-0.00281
116	9 2200	539.493	0.3994	72.2536	79.20	0.3615	-0.00751
117	9 2215	539.494	0.3989	72.2536	79.11	0.3615	-0.00021
118	9 2230	539.492	0.3993	72.2522	79.18	0.3615	-0.00528
119	9 2245	539.495	0.3998	72.2512	79.28	0.3615	-0.00409
120	9 2300	539.498	0.3994	72.2506	79.19	0.3615	-0.00241
121	9 2315	539.505	0.4001	72.2494	79.31	0.3615	-0.00479
122	9 2330	539.500	0.4004	72.2486	79.39	0.3615	-0.00336
123	9 2345	539.502	0.4001	72.2479	79.33	0.3615	-0.00287
124	10 0	539.515	0.4010	72.2465	79.47	0.3614	-0.00552
125	10 15	539.508	0.4012	72.2453	79.53	0.3614	-0.00485
126	10 30	539.508	0.4014	72.2446	79.57	0.3614	-0.00284
127	10 45	539.516	0.4014	72.2436	79.54	0.3614	-0.00369
128	10 100	539.514	0.4016	72.2429	79.59	0.3614	-0.00299
129	10 115	539.520	0.4024	72.2416	79.73	0.3614	-0.00516
130	10 130	539.519	0.4024	72.2406	79.73	0.3614	-0.00400
131	10 145	539.523	0.4027	72.2398	79.79	0.3614	-0.00330
132	10 200	539.528	0.4029	72.2386	79.81	0.3614	-0.00473
133	10 215	539.532	0.4028	72.2382	79.79	0.3614	-0.00177
134	10 230	539.537	0.4031	72.2374	79.83	0.3614	-0.00305
135	10 245	539.542	0.4039	72.2356	79.97	0.3614	-0.00711
136	10 300	539.545	0.4038	72.2357	79.95	0.3614	0.00024
137	10 315	539.544	0.4041	72.2344	80.01	0.3614	-0.00516
138	10 330	539.554	0.4044	72.2336	80.04	0.3614	-0.00327
139	10 345	539.558	0.4046	72.2329	80.07	0.3613	-0.00266
140	10 400	539.566	0.4047	72.2323	80.06	0.3613	-0.00223
141	10 415	539.569	0.4051	72.2314	80.14	0.3613	-0.00375

DATE - 12-13-1991

ENVIRONMENT LISTING
ZONE - 1

TIME - 09:34:53

REC NUM	DATE TIME	TEMP	VAPOR PRESSURE	CORRECT. PRESSURE	RELATIVE HUMIDITY	AIR DENSITY	PSIA/HR VARIANCE
109	9 2015	542.497	0.3606	72.2973	64.89	0.3597	0.00000
110	9 2030	542.509	0.3611	72.2949	64.95	0.3597	-0.00970
111	9 2045	542.518	0.3621	72.2939	65.11	0.3597	-0.00409
112	9 2100	542.527	0.3630	72.2920	65.25	0.3597	-0.00742
113	9 2115	542.536	0.3633	72.2907	65.29	0.3597	-0.00537
114	9 2130	542.549	0.3638	72.2892	65.35	0.3596	-0.00595
115	9 2145	542.563	0.3644	72.2876	65.42	0.3596	-0.00629
116	9 2200	542.564	0.3654	72.2856	65.62	0.3596	-0.00836
117	9 2215	542.575	0.3649	72.2861	65.50	0.3596	0.00217
118	9 2230	542.582	0.3654	72.2846	65.57	0.3596	-0.00601
119	9 2245	542.588	0.3663	72.2827	65.72	0.3596	-0.00751
120	9 2300	542.593	0.3658	72.2822	65.63	0.3596	-0.00217
121	9 2315	542.610	0.3667	72.2813	65.75	0.3596	-0.00363
122	9 2330	542.613	0.3675	72.2795	65.88	0.3595	-0.00646
123	9 2345	542.618	0.3671	72.2789	65.79	0.3595	-0.00232
124	10 0	542.638	0.3684	72.2776	66.00	0.3595	-0.00555
125	10 15	542.637	0.3688	72.2762	66.06	0.3595	-0.00537
126	10 30	542.638	0.3693	72.2747	66.15	0.3595	-0.00607
127	10 45	542.646	0.3692	72.2738	66.11	0.3595	-0.00354
128	10 100	542.656	0.3696	72.2734	66.17	0.3595	-0.00168
129	10 115	542.670	0.3710	72.2710	66.40	0.3595	-0.00977
130	10 130	542.672	0.3708	72.2702	66.35	0.3595	-0.00308
131	10 145	542.675	0.3713	72.2697	66.42	0.3595	-0.00177
132	10 200	542.687	0.3716	72.2684	66.46	0.3594	-0.00540
133	10 215	542.688	0.3716	72.2674	66.46	0.3594	-0.00412
134	10 230	542.705	0.3721	72.2669	66.51	0.3594	-0.00183
135	10 245	542.710	0.3734	72.2646	66.73	0.3594	-0.00919
136	10 300	542.723	0.3733	72.2647	66.69	0.3594	0.00043
137	10 315	542.720	0.3739	72.2631	66.80	0.3594	-0.00650
138	10 330	542.742	0.3743	72.2617	66.82	0.3594	-0.00543
139	10 345	542.745	0.3746	72.2614	66.86	0.3594	-0.00113
140	10 400	542.761	0.3748	72.2602	66.88	0.3594	-0.00507
141	10 415	542.767	0.3752	72.2598	66.93	0.3593	-0.00143

 DATE - 12-13-1991

ENVIRONMENT LISTING
 ZONE - 2

 TIME - 09:34:55

REC NUM	DATE	TIME	TEMP	VAPOR PRESSURE	CORRECT. PRESSURE	RELATIVE HUMIDITY	AIR DENSITY	PSIA/HR VARIANCE
109	9	2015	535.847	0.4450	72.2160	99.47	0.3638	0.00000
110	9	2030	535.835	0.4449	72.2151	99.47	0.3638	-0.00333
111	9	2045	535.831	0.4445	72.2145	99.41	0.3638	-0.00275
112	9	2100	535.831	0.4444	72.2136	99.38	0.3638	-0.00333
113	9	2115	535.815	0.4444	72.2125	99.45	0.3638	-0.00433
114	9	2130	535.811	0.4443	72.2117	99.42	0.3638	-0.00336
115	9	2145	535.799	0.4440	72.2120	99.39	0.3638	0.00131
116	9	2200	535.811	0.4445	72.2105	99.48	0.3638	-0.00629
117	9	2215	535.799	0.4442	72.2098	99.44	0.3638	-0.00269
118	9	2230	535.788	0.4443	72.2087	99.50	0.3638	-0.00433
119	9	2245	535.788	0.4443	72.2087	99.50	0.3638	0.00000
120	9	2300	535.788	0.4440	72.2080	99.43	0.3638	-0.00269
121	9	2315	535.784	0.4444	72.2066	99.53	0.3638	-0.00562
122	9	2330	535.768	0.4441	72.2069	99.53	0.3638	0.00098
123	9	2345	535.768	0.4440	72.2060	99.51	0.3638	-0.00369
124	10	0	535.772	0.4442	72.2048	99.53	0.3638	-0.00464
125	10	15	535.736	0.4442	72.2038	99.59	0.3638	-0.00400
126	10	30	535.756	0.4440	72.2040	99.53	0.3638	0.00098
127	10	45	535.764	0.4440	72.2030	99.51	0.3638	-0.00400
128	10	100	535.748	0.4440	72.2020	99.56	0.3638	-0.00400
129	10	115	535.744	0.4438	72.2022	99.53	0.3638	0.00064
130	10	130	535.740	0.4441	72.2009	99.62	0.3638	-0.00531
131	10	145	535.744	0.4443	72.1997	99.64	0.3638	-0.00467
132	10	200	535.740	0.4442	72.1988	99.64	0.3638	-0.00366
133	10	215	535.748	0.4440	72.1990	99.58	0.3637	0.00064
134	10	230	535.740	0.4440	72.1980	99.60	0.3637	-0.00400
135	10	245	535.744	0.4440	72.1970	99.59	0.3637	-0.00400
136	10	300	535.736	0.4440	72.1970	99.62	0.3637	0.00000
137	10	315	535.736	0.4439	72.1961	99.58	0.3637	-0.00333
138	10	330	535.732	0.4441	72.1959	99.65	0.3637	-0.00098
139	10	345	535.736	0.4441	72.1949	99.63	0.3637	-0.00400
140	10	400	535.736	0.4439	72.1951	99.58	0.3637	0.00098
141	10	415	535.736	0.4444	72.1936	99.71	0.3637	-0.00629

***** SENSOR LIST *****

RECORD NUMBER - 109 DATE - 12/ 9 TIME - 20:15: 0

PRESSURES

1 -	72.65800	2 -	72.66100
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.65950

RTD/S

1	81.694	2	84.922	3	83.213	4	78.706
5	80.295	6	81.600	7	81.006	8	79.038
9	79.156	10	79.204	11	79.156	12	85.927
13	85.593	14	85.526	15	90.099	16	89.767
17	89.387	18	90.456	19	87.629	20	87.534
21	74.605	22	76.216	23	76.596	24	76.169
25	75.979	26	77.496	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	46.611	INACT	0.039
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.803

DEW CELLS

1	69.176	2	69.497	3	70.726	4	69.553
5	76.337	6	75.695	INACT	76.169	INACT	74.605
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 72.573

AMBIENT PRESS - 14.43028

VAPOR PRESS - .3967262

DRY PRESSURE - 72.26277

FLWS - .2647 0

TOTAL FLOW 0

***** SENSOR LIST *****

RECORD NUMBER - 110 DATE - 12/ 9 TIME - 20:30: 0

PRESSURES

1 -	72.65600	2 -	72.66000
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.65800

RTD/S

1	81.718	2	84.922	3	83.213	4	78.729
5	80.295	6	81.623	7	81.030	8	79.061
9	79.132	10	79.204	11	79.156	12	85.927
13	85.636	14	85.569	15	90.123	16	89.767
17	89.458	18	90.456	19	87.605	20	87.534
21	74.581	22	76.216	23	76.572	24	76.169
25	75.932	26	77.520	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	46.572	INACT	0.039
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.803

DEW CELLS

1	69.243	2	69.531	3	70.770	4	69.531
5	76.348	6	75.662	INACT	76.169	INACT	74.581
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 72.587

AMBIENT PRESS - 14.429

VAPOR PRESS - .3969183

DRY PRESSURE - 72.26109

FLOWS - .0951 0

TOTAL FLOW 0

***** SENSOR LIST *****

RECORD NUMBER - 111 DATE - 12/ 9 TIME - 20:45: 0

PRESSURES

1 -	72.65600	2 -	72.65900
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.65750

RTD/S

1	81.742	2	84.946	3	83.237	4	78.753
5	80.318	6	81.647	7	81.030	8	79.038
9	79.132	10	79.227	11	79.156	12	85.970
13	85.679	14	85.569	15	90.052	16	89.767
17	89.434	18	90.432	19	87.629	20	87.510
21	74.557	22	76.193	23	76.596	24	76.193
25	75.932	26	77.496	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	46.533	INACT	0.039
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.807

DEW CELLS

1	69.420	2	69.641	3	70.770	4	69.553
5	76.326	6	75.640	INACT	76.193	INACT	74.557
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 72.622

AMBIENT PRESS - 14.42934

VAPOR PRESS - .3973913

DRY PRESSURE - 72.26011

FLWS - .2186 0

TOTAL FLOW 0

SENSOR LIST

RECORD NUMBER - 112

DATE - 12/ 9

TIME - 21: 0: 0

PRESSURES

1 -	72.65500	2 -	72.65000
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.65649

RTD/S

1	81.766	2	84.993	3	83.260	4	78.753
5	80.318	6	81.623	7	81.030	8	79.061
9	79.132	10	79.227	11	79.204	12	85.927
13	85.722	14	85.612	15	90.028	16	89.790
17	89.458	18	90.456	19	87.605	20	87.486
21	74.581	22	76.216	23	76.596	24	76.145
25	75.932	26	77.496	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	46.504	INACT	0.039
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.812

DEW CELLS

1	69.464	2	69.741	3	70.814	4	69.652
5	76.326	6	75.618	INACT	76.145	INACT	74.581
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 72.656

AMBIENT PRESS - 14.42964

VAPOR PRESS - .3978349

DRY PRESSURE - 72.25866

FLOWS - .1231 0

TOTAL FLOW 0

SENSOR LIST

RECORD NUMBER - 113

DATE - 12/ 9

TIME - 21:15: 0

PRESSURES

1 -	72.65400	2 -	72.65700
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.65550

RTD/S

1	81.718	2	84.969	3	83.260	4	78.777
5	80.342	6	81.623	7	81.054	8	79.061
9	79.180	10	79.227	11	79.204	12	86.014
13	85.722	14	85.612	15	90.052	16	89.814
17	89.434	18	90.456	19	87.581	20	87.463
21	74.557	22	76.169	23	76.572	24	76.145
25	75.932	26	77.496	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	46.348	INACT	0.039
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.809

DEW CELLS

1	69.376	2	69.874	3	70.859	4	69.674
5	76.337	6	75.618	INACT	76.145	INACT	74.557
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 72.674

AMBIENT PRESS - 14.42802

VAPOR PRESS - .398075

DRY PRESSURE - 72.25743

FLOWS - .0984 0

TOTAL FLOW 0

SENSOR LIST

RECORD NUMBER - 114

DATE - 12/ 9

TIME - 21:30: 0

PRESSURES

1 -	72.65300	2 -	72.65600
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.65450

RTD/S

1	81.766	2	85.017	3	83.260	4	78.777
5	80.318	6	81.647	7	81.077	8	79.085
9	79.180	10	79.251	11	79.180	12	86.014
13	85.765	14	85.655	15	90.123	16	89.790
17	89.458	18	90.456	19	87.558	20	87.486
21	74.557	22	76.193	23	76.572	24	76.121
25	75.932	26	77.473	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	46.289	INACT	0.039
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.815

DEW CELLS

1	69.564	2	69.796	3	70.870	4	69.708
5	76.326	6	75.607	INACT	76.121	INACT	74.557
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 72.690

AMBIENT PRESS - 14.42836

VAPOR PRESS - .3982976

DRY PRESSURE - 72.2562

FLOWS - .2169 0

TOTAL FLOW 0

***** SENSOR LIST *****

RECORD NUMBER - 115 DATE - 12/ 9 TIME - 21:45: 0

PRESSURES

1 -	72.65200	2 -	72.65600
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.65400

RTD/S

1	81.766	2	84.993	3	83.284	4	78.800
5	80.342	6	81.647	7	81.077	8	79.085
9	79.180	10	79.275	11	79.227	12	86.057
13	85.808	14	85.697	15	90.052	16	89.838
17	89.434	18	90.480	19	87.558	20	87.453
21	74.534	22	76.169	23	76.548	24	76.121
25	75.932	26	77.473	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	46.230	INACT	0.039
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
IN/ CT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.817

DEW CELLS

1	69.453	2	69.962	3	70.947	4	69.763
5	76.304	6	75.585	INACT	76.121	INACT	74.534
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 72.706

AMBIENT PRESS - 14.43062

VAPOR PRESS - .3985046

DRY PRESSURE - 72.25549

FLOWS - .0951 0

TOTAL FLOW 0

SENSOR LIST

RECORD NUMBER - 116

DATE - 12/ 9

TIME - 22: 0: 0

PRESSURES

1 -	72.65100	2 -	72.65500
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.65300

RTD/S

1	81.766	2	85.017	3	83.284	4	78.824
5	80.366	6	81.647	7	81.077	8	79.085
9	79.180	10	79.275	11	79.275	12	86.014
13	85.808	14	85.697	15	90.004	16	89.790
17	89.410	18	90.456	19	87.558	20	87.463
21	74.557	22	76.169	23	76.572	24	76.145
25	75.932	26	77.473	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	46.162	INACT	0.042
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.823

DEW CELLS

1	69.564	2	70.084	3	71.014	4	69.796
5	76.370	6	75.596	INACT	76.145	INACT	74.557
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 72.771

AMBIENT PRESS - 14.429

VAPOR PRESS - .3993837

DRY PRESSURE - 72.25362

FLOWS - .1017 0

TOTAL FLOW 0

SENSOR LIST

RECORD NUMBER - 117

DATE - 12/ 9

TIME - 22:15: 0

PRESSURES

1 -	72.65100	2 -	72.65400
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.65250

RTD/S

1	81.766	2	85.041	3	83.308	4	78.848
5	80.366	6	81.694	7	81.101	8	79.132
9	79.227	10	79.299	11	79.275	12	86.057
13	85.765	14	85.697	15	89.886	16	89.790
17	89.363	18	90.503	19	87.534	20	87.439
21	74.534	22	76.169	23	76.548	24	76.145
25	75.908	26	77.473	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	46.094	INACT	0.042
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.824

DEW CELLS

1	69.564	2	69.918	3	70.992	4	69.840
5	76.326	6	75.596	INACT	76.145	INACT	74.534
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 72.737

AMBIENT PRESS - 14.42517

VAPOR PRESS - .3989312

DRY PRESSURE - 72.25356

FLOWS - .2136 0

TOTAL FLOW 0

SENSOR LIST

RECORD NUMBER - 118

DATE - 12/ 9

TIME - 22:30: 0

PRESSURES

1 -	72.65000	2 -	72.65300
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.65150

RTD/S

1	81.766	2	85.041	3	83.308	4	78.872
5	80.366	6	81.694	7	81.101	8	79.132
9	79.227	10	79.259	11	79.275	12	86.014
13	85.808	14	85.697	15	90.052	16	89.814
17	89.410	18	90.503	19	87.510	20	87.415
21	74.534	22	76.145	23	76.544	24	76.121
25	75.908	26	77.473	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	46.025	INACT	0.039
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.822

DEW CELLS

1	69.553	2	69.973	3	71.058	4	69.896
5	76.348	6	75.585	INACT	76.121	INACT	74.534
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 72.762

AMBIENT PRESS - 14.42581

VAPOR PRESS - .399261

DRY PRESSURE - 72.25224

FLOWS - .072 0

TOTAL FLOW 0

***** SENSOR LIST *****

RECORD NUMBER - 119 DATE - 12/ 9 TIME - 22:45: 0

PRESSURES

1 -	72.64900	2 -	72.65300
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.65100

RTD/S

1	81.789	2	85.064	3	83.332	4	78.848
5	80.390	6	81.694	7	81.125	8	79.109
9	79.227	10	79.299	11	79.299	12	86.057
13	85.851	14	85.740	15	90.028	16	89.790
17	89.387	18	90.480	19	87.486	20	87.391
21	74.510	22	76.145	23	76.548	24	76.145
25	75.908	26	77.449	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	45.967	INACT	0.039
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.825

DEW CELLS

1	69.619	2	70.095	3	71.113	4	69.918
5	76.304	6	75.629	INACT	76.115	INACT	74.510
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 72.801

AMBIENT PRESS - 14.42134

VAPOR PRESS - .399781

DRY PRESSURE - 72.25122

FLWS - .2202 0

TOTAL FLOW 0

SENSOP LIST

RECORD NUMBER - 120

DATE - 12/ 9

TIME - 23: 0: 0

PRESSURES

1 -	72.64800	2 -	72.65200
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.65000

RTD/S

1	81.789	2	85.088	3	83.332	4	78.895
5	80.366	6	81.718	7	81.125	8	79.132
9	79.227	10	79.322	11	79.299	12	86.057
13	85.851	14	85.740	15	89.933	16	89.814
17	89.387	18	90.527	19	87.463	20	87.344
21	74.534	22	76.169	23	76.548	24	76.098
25	75.908	26	77.449	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	45.850	INACT	0.042
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.828

DEW CELLS

1	69.663	2	69.885	3	71.102	4	69.984
5	76.304	6	75.585	INACT	76.098	INACT	74.534
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 72.771

AMBIENT PRESS - 14.41525

VAPOR PRESS - .39938

DRY PRESSURE - 72.25062

FLOWS - .0687 0

TOTAL FLOW 0

SENSOR LIST

RECORD NUMBER - 121

DATE - 12/ 9

TIME - 23:15: 0

PRESSURES

1 -	72.64800	2 -	72.65100
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.64951

RTD/S

1	81.837	2	85.088	3	83.355	4	78.872
5	80.390	6	81.694	7	81.149	8	79.132
9	79.251	10	79.346	11	79.346	12	86.057
13	85.851	14	85.783	15	90.076	16	89.814
17	89.434	18	90.503	19	87.463	20	87.368
21	74.510	22	76.145	23	76.572	24	76.098
25	75.908	26	77.449	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	45.869	INACT	0.042
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.835

DEW CELLS

1	69.741	2	70.029	3	71.146	4	69.984
5	76.359	6	75.585	INACT	76.098	INACT	74.510
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 72.823

AMBIENT PRESS - 14.41397

VAPOR PRESS - .4000821

DRY PRESSURE - 72.24942

FLOWS - .2186 0

TOTAL FLOW 0

***** SENSOR LIST *****

RECORD NUMBER - 122 DATE - 12/ 9 TIME - 23:30: 0

PRESSURES

1 -	72.64700	2 -	72.65100
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.64900

RTD/S

1	81.837	2	85.088	3	83.332	4	78.895
5	80.390	6	81.718	7	81.149	8	79.156
9	79.299	10	79.346	11	79.322	12	86.057
13	85.894	14	85.783	15	90.028	16	89.814
17	89.410	18	90.503	19	87.439	20	87.320
21	74.486	22	76.169	23	76.548	24	76.074
25	75.884	26	77.425	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	45.723	INACT	0.042
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.830

DEW CELLS

1	69.730	2	70.184	3	71.191	4	70.029
5	76.337	6	75.574	INACT	76.074	INACT	74.486
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 72.848

AMBIENT PRESS - 14.41431

VAPOR PRESS - .4004205

DRY PRESSURE - 72.24858

FLOWS - .1494 0

TOTAL FLOW 0

***** SENSOR LIST *****

RECORD NUMBER - 123 DATE - 12/ 9 TIME - 23:45: 0

PRESSURES

1 -	72.64600	2 -	72.65000
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.64800

RTD/S

1	81.813	2	85.112	3	83.332	4	78.895
5	80.413	6	81.718	7	81.172	8	79.156
9	79.275	10	79.370	11	79.370	12	86.057
13	85.894	14	85.826	15	89.981	16	89.790
17	89.387	18	90.527	19	87.415	20	87.320
21	74.534	22	76.121	23	76.524	24	76.098
25	75.884	26	77.425	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	45.625	INACT	0.042
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.832

DEW CELLS

1	69.719	2	70.040	3	71.180	4	70.095
5	76.326	6	75.574	INACT	76.098	INACT	74.534
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 72.828

AMBIENT PRESS - 14.41171

VAPOR PRESS - .400142

DRY PRESSURE - 72.24786

FLOWS - .2153 0

TOTAL FLOW 0

***** SENSOR LIST *****

RECORD NUMBER - 124 DATE - 12/10 TIME - 0: 0: 0

PRESSURES

1 -	72.64600	2 -	72.64900
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.64751

RTD/S

1	81.884	2	85.159	3	83.379	4	78.919
5	80.413	6	81.742	7	81.172	8	79.156
9	79.299	10	79.393	11	79.370	12	86.057
13	85.937	14	85.783	15	90.171	16	89.862
17	89.387	18	90.527	19	87.391	20	87.296
21	74.510	22	76.145	23	76.524	24	76.098
25	75.884	25	77.449	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	45.557	INACT	0.042
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.845

DEW CELLS

1	69.752	2	70.383	3	71.202	4	70.106
5	76.326	6	75.596	INACT	76.098	INACT	74.510
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 72.894

AMBIENT PRESS - 14.41043

VAPOR PRESS - .4010273

DRY PRESSURE - 72.24648

FLOWS - .2218 0

TOTAL FLOW 0

SENSOR LIST

RECORD NUMBER - 125

DATE - 12/10

TIME - 0:15: 0

PRESSURES

1 -	72.64500	2 -	72.64800
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.64650

RTD/S

1	81.860	2	85.159	3	83.379	4	78.919
5	80.413	6	81.766	7	81.196	8	79.204
9	79.322	10	79.393	11	79.370	12	86.057
13	85.937	14	85.826	15	90.004	16	89.838
17	89.339	18	90.527	19	87.368	20	87.273
21	74.510	22	76.121	23	76.524	24	76.074
25	75.884	26	77.402	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	45.527	INACT	0.042
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.838

DEW CELLS

1	69.852	2	70.305	3	71.279	4	70.106
5	76.326	6	75.596	INACT	76.074	INACT	74.510
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 72.908

AMBIENT PRESS - 14.40405

VAPOR PRESS - .4012284

DRY PRESSURE - 72.24527

FLOWS - .2004 0

TOTAL FLOW 0

SENSOR LIST

RECORD NUMBER - 126

DATE - 12/10

TIME - 0:30: 0

PRESSURES

1 -	72.64400	2 -	72.64800
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.64600

RTD/S

1	81.860	2	83.159	3	83.379	4	78.912
5	80.437	6	81.766	7	81.196	8	79.204
9	79.322	10	79.393	11	79.370	12	86.014
13	85.980	14	85.820	15	80.052	16	89.814
17	89.363	18	90.503	19	87.344	20	87.273
21	74.486	22	76.171	23	76.524	24	76.098
25	75.884	26	77.402	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	45.410	INACT	0.042
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.838

DEW CELLS

1	69.907	2	70.383	3	71.268	4	70.150
5	76.304	6	75.585	INACT	76.098	INACT	74.486
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 72.924

AMBIENT PRESS - 14.40055

VAPOR PRESS - .4014331

DRY PRESSURE - 72.24456

FLOWS - .2216 0

TOTAL FLOW 0

***** SENSOR LIST *****

RECORD NUMBER - 127 DATE - 12/10 TIME - 0:45: 0

PRESSURES

1 -	72.64300	2 -	72.64700
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.64500

RTD/S

1	81.908	2	85.183	3	83.379	4	78.943
5	80.461	6	81.766	7	81.220	8	79.227
9	79.346	10	79.393	11	79.393	12	36.014
13	85.980	14	85.826	15	89.933	16	89.838
17	89.410	18	90.503	19	87.320	20	87.225
21	76.406	22	76.145	23	76.548	24	76.098
25	75.884	26	77.402	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	45.400	INACT	0.042
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.846

DEW CELLS

1	69.907	2	70.739	3	71.357	4	70.184
5	76.377	6	75.551	INACT	76.098	INACT	74.486
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 72.919

AMBIENT PRESS - 14.39864

VAPOR PRESS - .4013661

DRY PRESSURE - 12.24364

FLWS - .1543 0

TOTAL FLOW 0

***** SENSOR LIST *****

RECORD NUMBER - 128 DATE - 12/10 TIME - 1: 0: 0

PRESSURES

1 -	72.64300	2 -	72.64600
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.64450

RTD/S

1	81.884	2	85.207	3	83.379	4	78.943
5	80.437	6	81.789	7	81.220	8	79.227
9	79.346	10	79.417	11	79.393	12	86.014
13	85.980	14	85.869	15	90.099	16	89.838
17	89.410	18	90.551	19	87.296	20	87.225
21	74.486	22	76.121	23	76.501	24	76.050
25	75.884	26	77.475	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	45.352	INACT	0.042
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.844

DEW CELLS

1	69.840	2	70.394	3	71.346	4	70.250
5	76.337	6	75.551	INACT	76.050	INACT	74.486
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 72.937

AMBIENT PRESS - 14.39604

VAPOR PRESS - .4016123

DRY PRESSURE - 72.24289

FLOWS - .1823 0

TOTAL FLOW 0

***** SENSOR LIST *****

RECORD NUMBER - 129 DATE - 12/10 TIME - 1:15: 0

PRESSURES

1 -	72.64200	2 -	72.64600
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.64400

RTD/S

1	81.908	2	85.231	3	83.427	4	78.966
5	80.461	6	81.813	7	81.244	8	79.227
9	79.370	10	79.417	11	79.393	12	86.057
13	85.980	14	85.869	15	90.076	16	89.862
17	89.458	18	90.527	19	87.296	20	87.225
21	74.486	22	76.121	23	76.524	24	76.050
25	75.861	26	77.402	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	45.254	INACT	0.042
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.850

DEW CELLS

1	69.951	2	70.604	3	71.423	4	70.283
5	76.304	6	75.563	INACT	76.050	INACT	74.486
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 72.995

AMBIENT PRESS - 14.39412

VAPOR PRESS - .4023963

DRY PRESSURE - 72.2416

FLAWS - .1231 0

TOTAL FLOW 0

***** SENSOR LIST *****

RECORD NUMBER - 130 DATE - 12/10 TIME - 1:30: 0

PRESSURES

1 -	72.64100	2 -	72.64500
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.64300

RTD/S

1	81.932	2	85.231	3	83.403	4	78.966
5	80.461	6	81.813	7	81.244	8	79.251
9	79.370	10	79.417	11	79.417	12	86.057
13	86.023	14	85.911	15	90.004	16	89.814
17	89.410	18	90.551	19	87.273	20	87.178
21	74.463	22	76.121	23	76.501	24	76.074
25	75.861	26	77.402	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	45.215	INACT	0.042
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.849

DEW CELLS

1	69.962	2	70.482	3	71.445	4	70.316
5	76.337	6	75.574	INACT	76.074	INACT	74.463
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 72.995

AMBIENT PRESS - 14.39157

VAPOR PRESS - .4023961

DRY PRESSURE - 72.2406

FLOWS - .0605 0

TOTAL FLOW 0

***** SENSOR LIST *****

RECORD NUMBER - 131 DATE - 12/10 TIME - 1:45: 0

PRESSURES

1 -	72.64100	2 -	72.64400
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.64250

RTD/S

1	81.908	2	85.231	3	83.427	4	78.990
5	80.508	6	81.813	7	81.267	8	79.251
9	79.370	10	79.441	11	79.441	12	86.014
13	86.023	14	85.911	15	89.981	16	89.838
17	89.410	18	90.551	19	87.249	20	87.154
21	74.486	22	76.098	23	76.524	24	76.050
25	75.884	26	77.402	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	45.127	INACT	0.046
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.853

DEW CELLS

1	70.040	2	70.538	3	71.434	4	70.327
5	76.348	6	75.585	INACT	76.050	INACT	74.486
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 73.019

AMBIENT PRESS - 14.38808

VAPOR PRESS - .402725

DRY PRESSURE - 72.23978

FLWS - .111 0

TOTAL FLOW 0

***** SENSOR LIST *****

RECORD NUMBER - 132 DATE - 12/10 TIME - 2: 0: 0

PRESSURES

1 -	72.64000	2 -	72.64300
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.64149

RTD/S

1	81.955	2	85.254	3	83.450	4	78.990
5	80.484	6	81.837	7	81.267	8	79.299
9	79.370	10	79.465	11	79.465	12	86.014
13	86.023	14	85.911	15	90.004	16	89.814
17	89.458	18	90.551	19	87.225	20	87.154
21	74.486	22	76.098	23	76.524	24	76.074
25	75.837	26	77.402	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	45.107	INACT	0.042
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.858

DEW CELLS

1	70.117	2	70.416	3	71.523	4	70.416
5	76.348	6	75.574	INACT	76.074	INACT	74.486
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 73.032

AMBIENT PRESS - 14.38489

VAPOR PRESS - .4029011

DRY PRESSURE - 72.23859

FLOWS - 0 0

TOTAL FLOW 0

***** SENSOR LIST *****

RECORD NUMBER - 133 DATE - 12/10 TIME - 2:15: 0

PRESSURES

1 -	72.63900	2 -	72.64300
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.64100

RTD/S

1	81.908	2	85.302	3	83.450	4	79.014
5	80.508	6	81.837	7	81.267	8	79.299
9	79.393	10	79.465	11	79.465	12	86.014
13	86.023	14	85.911	15	89.981	16	89.838
17	89.434	18	90.551	19	87.201	20	87.106
21	74.486	22	76.098	23	76.524	24	76.098
25	75.861	26	77.402	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	45.020	INACT	0.042
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.862

DEW CELLS

1	70.051	2	70.527	3	71.479	4	70.427
5	76.343	6	75.551	INACT	76.098	INACT	74.486
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 73.029

AMBIENT PRESS - 14.38455

VAPOR PRESS - .4028485

DRY PRESSURE - 72.23815

FLOWS - 0 0

TOTAL FLOW 0

***** SENSOR LIST *****

RECORD NUMBER - 134 DATE - 12/10 TIME - 2:30: 0

PRESSURES

1 -	72.63900	2 -	72.64200
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.64050

RTD/S

1	81.979	2	85.278	3	83.450	4	79.038
5	80.532	6	81.860	7	81.291	8	79.299
9	79.417	10	79.465	11	79.488	12	86.057
13	86.023	14	85.911	15	90.052	16	89.790
17	89.482	18	90.575	19	87.178	20	87.106
21	74.463	22	76.121	23	76.524	24	76.050
25	75.884	26	77.378	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	44.951	INACT	0.042
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.867

DEW CELLS

1	70.150	2	70.471	3	71.523	4	70.493
5	76.348	6	75.551	INACT	76.050	INACT	74.463
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 73.048

AMBIENT PRESS - 14.38165

VAPOR PRESS - .4031179

DRY PRESSURE - 72.23739

FLWS - .0951 0

TOTAL FLOW 0

***** SENSOR LIST *****

RECORD NUMBER - 135 DATE - 12/10 TIME - 2:45: 0

PRESSURES

1 -	72.63800	2 -	72.64100
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.63950

RTD/S

1	81.955	2	85.326	3	83.498	4	79.036
5	80.532	6	81.860	7	81.291	8	79.299
9	79.417	10	79.488	11	79.512	12	86.057
13	86.066	14	85.954	15	90.028	16	89.862
17	89.363	18	90.527	19	87.154	20	87.083
21	74.486	22	76.098	23	76.524	24	76.074
25	75.861	26	77.402	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	44.912	INACT	0.042
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.872

DEW CELLS

1	70.139	2	70.814	3	71.567	4	70.493
5	76.348	6	75.551	INACT	76.074	INACT	74.486
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 73.105

AMBIENT PRESS - 14.3786

VAPOR PRESS - .4038818

DRY PRESSURE - 72.23561

FLWS - .2037 0

TOTAL FLOW 0

*****1*****

SENSOR LIST

RECORD NUMBER - 136

DATE - 12/10

TIME - 3: 0: 0

PRESSURES

1 -	72.63800	2 -	72.64100
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.63950

RTD/S

1	81.955	2	85.326	3	83.474	4	79.061
5	80.556	6	81.860	7	81.291	8	79.346
9	79.441	10	79.488	11	79.488	12	86.057
13	86.109	14	85.997	15	90.123	16	89.838
17	89.410	18	90.551	19	87.130	20	87.059
21	74.463	22	76.098	23	76.501	24	76.074
25	75.861	26	77.402	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	44.814	INACT	0.046
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.875

DEW CELLS

1	70.228	2	70.615	3	71.656	4	70.482
5	76.370	6	75.529	INACT	76.074	INACT	74.463
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 73.100

AMBIENT PRESS - 14.37782

VAPOR PRESS - .4038217

DRY PRESSURE - 72.23567

FLOWS - .1757 0

TOTAL FLOW 0

SENSOK LIST

RECORD NUMBER - 137

DATE - 12/10

TIME - 3:15: 0

PRESSURES

1 -	72.63700	2 -	72.64000
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.63850

RTD/S

1	81.955	2	85.349	3	83.498	4	79.061
5	80.556	6	81.860	7	81.315	8	79.346
9	79.441	10	79.512	11	79.512	12	86.014
13	86.066	14	85.997	15	90.004	16	89.838
17	89.434	18	90.551	19	87.130	20	87.035
21	74.486	22	76.098	23	76.501	24	76.098
25	75.837	26	77.378	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	44.775	INACT	0.046
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.874

DEW CELLS

1	70.217	2	70.814	3	71.611	4	70.538
5	76.348	6	75.529	INACT	76.098	INACT	74.486
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 73.123

AMBIENT PRESS - 14.37305

VAPOR PRESS - .4041218

DRY PRESSURE - 72.23438

FLOWS - .1939 0

TOTAL FLOW 0

SENSOR LIST

RECORD NUMBER - 138

DATE - 12/10

TIME - 3:30: 0

PRESSURES

1 -	72.63600	2 -	72.64000
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.63800

RTD/S

1	82.026	2	85.373	3	83.498	4	79.085
5	80.579	6	81.908	7	81.339	8	79.370
9	79.465	10	79.512	11	79.512	12	86.014
13	86.109	14	85.997	15	90.171	16	89.862
17	89.482	18	90.551	19	87.106	20	87.011
21	74.463	22	76.098	23	76.501	24	76.074
25	75.861	26	77.378	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	44.727	INACT	0.046
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.884

DEW CELLS

1	70.261	2	70.792	3	71.656	4	70.593
5	76.337	6	75.574	INACT	76.074	INACT	74.463
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 73.146

AMBIENT PRESS - 14.36794

VAPOR PRESS - .4044331

DRY PRESSURE - 72.23357

FLOWS - .2136 0

TOTAL FLOW 0

SENSOR LIST

RECORD NUMBER - 139

DATE - 12/10

TIME - 3:45: 0

PRESSURES

1 -	72.63600	2 -	72.63900
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.63750

RTD/S

1	81.979	2	85.349	3	83.521	4	79.085
5	80.579	6	81.884	7	81.339	8	79.370
9	79.488	10	79.536	11	79.536	12	86.143
13	86.109	14	85.997	15	90.099	16	89.862
17	89.434	18	90.551	19	87.059	20	86.988
21	74.463	22	76.098	23	76.501	24	76.050
25	75.884	26	77.402	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	44.658	INACT	0.046
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.888

DEW CELLS

1	70.316	2	70.848	3	71.633	4	70.582
5	76.359	6	75.551	INACT	76.050	INACT	74.463
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 73.158

AMBIENT PRESS - 14.36662

VAPOR PRESS - .4045982

DRY PRESSURE - 72.2329

FLOWS - .0901 0

TOTAL FLOW 0

SENSOR LIST

RECORD NUMBER - 140

DATE - 12/10

TIME - 4: 0: 0

PRESSURES

1 -	72.63500	2 -	72.63900
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.63700

RTD/S

1	82.050	2	85.397	3	83.545	4	79.085
5	80.579	6	81.932	7	81.339	8	79.393
9	79.465	10	79.536	11	79.559	12	86.143
13	86.109	14	85.997	15	90.218	16	89.838
17	89.482	18	90.575	19	87.059	20	86.964
21	74.463	22	76.098	23	76.524	24	76.074
25	75.861	26	77.378	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	44.580	INACT	0.046
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.896

DEW CELLS

1	70.327	2	70.770	3	71.711	4	70.682
5	76.348	6	75.529	INACT	76.074	INACT	74.463
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 73.162

AMBIENT PRESS - 14.3647

VAPOR PRESS - .4046544

DRY PRESSURE - 72.23235

FLOWS - .0967 0

TOTAL FLOW 0

***** SENSOR LIST *****

RECORD NUMBER - 141 DATE - 12/10 TIME - 4:15: 0

PRESSURES

1 -	72.63500	2 -	72.63800
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.63651

RTD/S

1	82.026	2	85.397	3	83.545	4	79.132
5	80.603	6	81.932	7	81.362	8	79.370
9	79.488	10	79.559	11	79.559	12	86.143
13	86.152	14	86.040	15	90.147	16	89.814
17	89.458	18	90.575	19	87.035	20	86.940
21	74.463	22	76.121	23	76.501	24	76.074
25	75.861	26	77.378	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	44.502	INACT	0.046
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.899

DEW CELLS

1	70.750	2	70.792	3	71.755	4	70.704
5	71.370	6	75.585	INACT	76.074	INACT	74.463
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 73.195

AMBIENT PRESS - 14.3647

VAPOR PRESS - .4051012

DRY PRESSURE - 72.23141

FLOWS - .1132 0

TOTAL FLOW 0

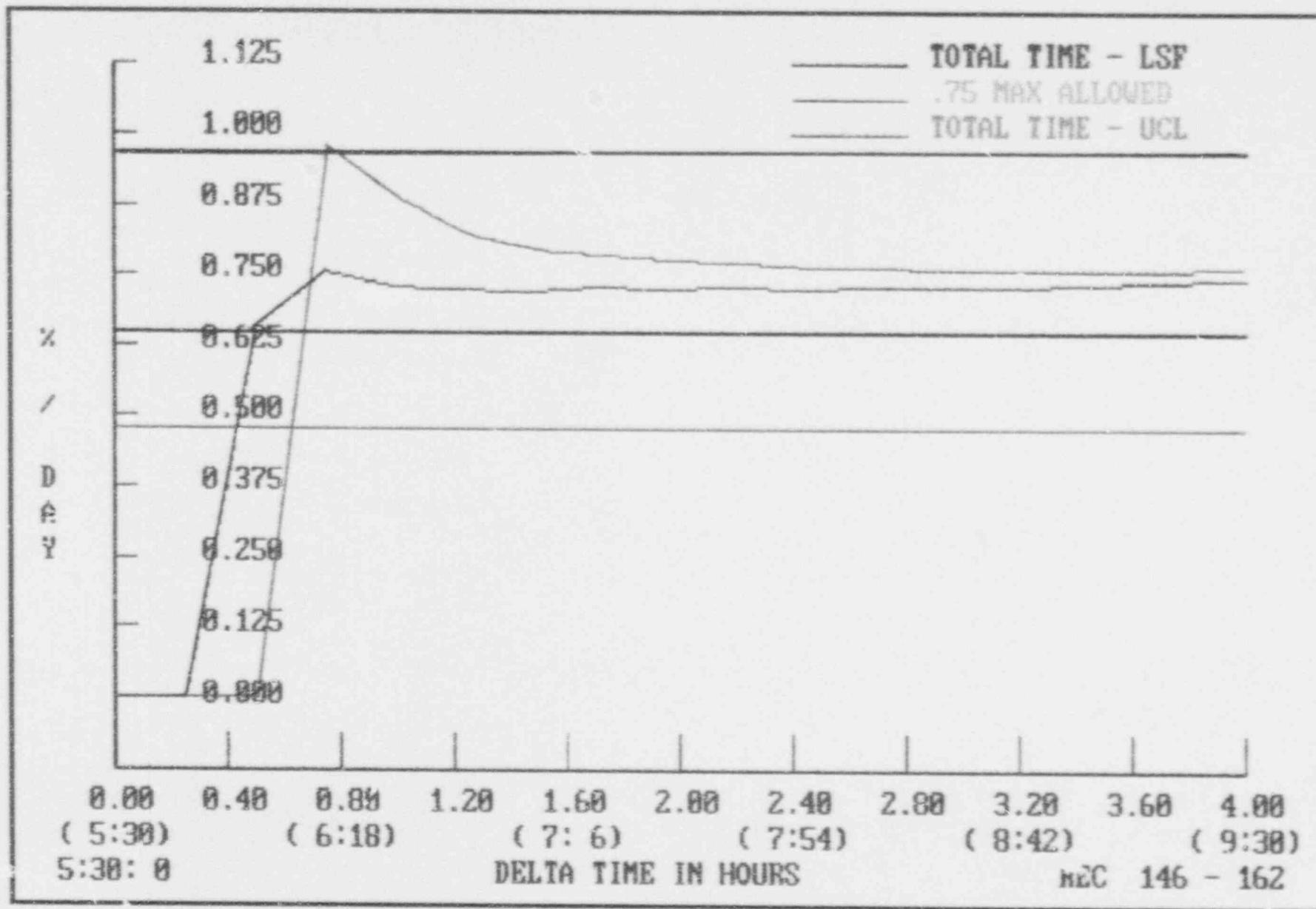
***** TOTAL TIME WITH VERIFICATION TEST *****
 DATE - 12-13-1991 TIME - 09:40:30

TIME	MASS	TOTAL TIME		SCFM	VERIFICATION	
		GROSS LSF	GROSS 95% UCL		NET LSF	NET 95% UCL
545	87616	0.0000	0.0000	5.156	-0.6369	-0.6369
600	87610	0.6593	0.0000	5.151	0.0229	-0.6364
615	87601	0.7561	0.9830	5.151	0.1196	0.3466
630	87597	0.7315	0.8928	5.140	0.0963	0.2576
645	87590	0.7249	0.8255	5.140	0.0896	0.1902
700	87584	0.7202	0.7970	5.140	0.0849	0.1617
715	87575	0.7298	0.7896	5.146	0.0938	0.1536
730	87570	0.7261	0.7793	5.140	0.0907	0.1439
745	87563	0.7284	0.7737	5.142	0.0927	0.1381
800	87558	0.7242	0.7662	5.142	0.0885	0.1305
815	87549	0.7289	0.7655	5.140	0.0934	0.1300
830	87543	0.7293	0.7630	5.142	0.0935	0.1271
845	87537	0.7300	0.7608	5.142	0.0941	0.1250
900	87529	0.7324	0.7607	5.140	0.0967	0.1250
915	87521	0.7368	0.7630	5.142	0.1009	0.1270
930	87514	0.7408	0.7651	5.142	0.1048	0.1291

LEAK RATE < MAX AND > MIN ALLOWED
 (Lo + Lam - .25 La) <= Lc <= (Lo + Lam + .25 La)
 0.6483 <= 0.7408 <= 0.9658

TOTAL TIME - VERIFICATION TEST

COOPER - DECEMBER 10, 1991



DATE - 12-13-1991

MASS POINT WITH VERIFICATION TEST

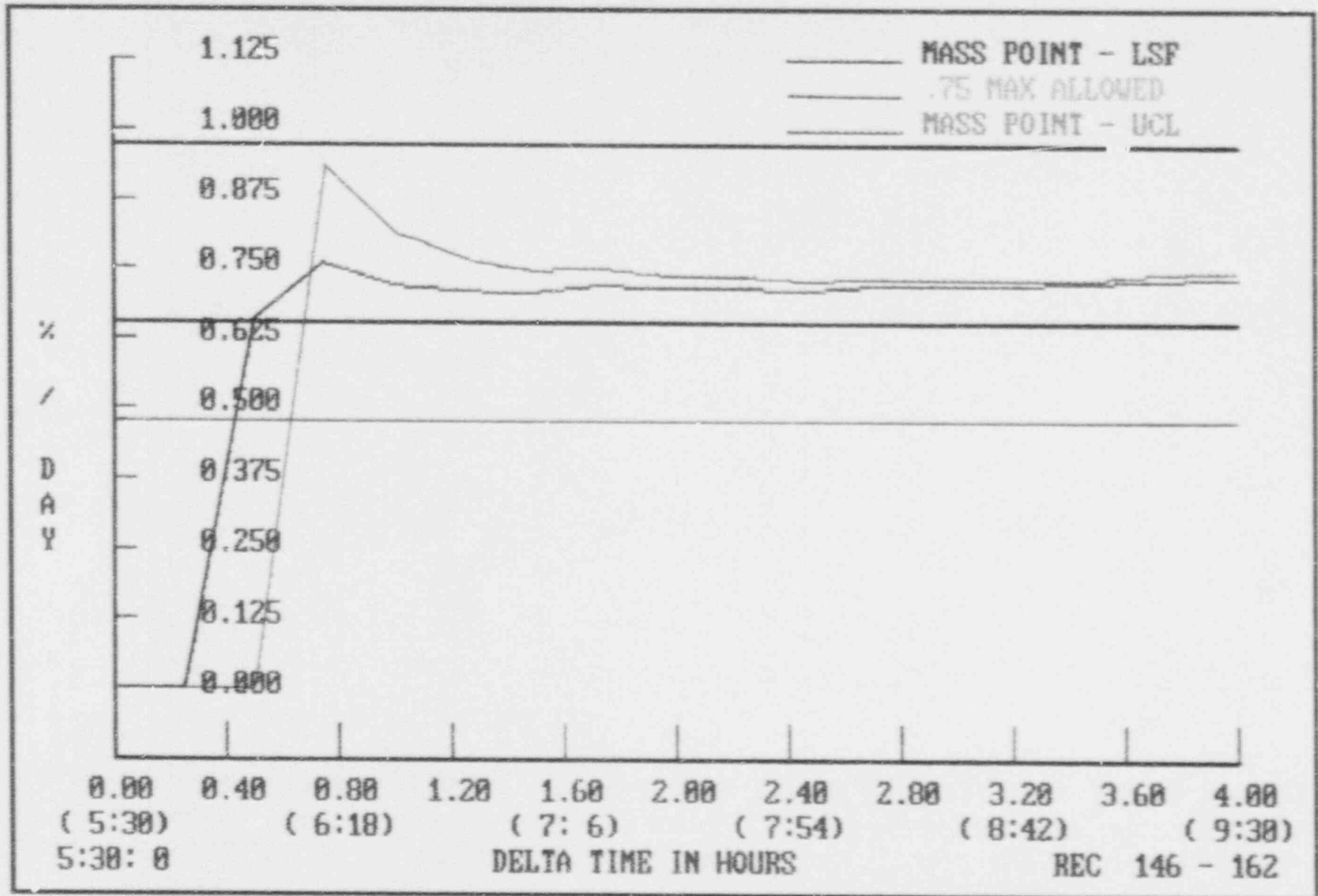
TIME - 09:40:34

TIME	MASS	MASS POINT		SCFM	VERIFICATION	
		GROSS LSF	GROSS 95% UCL		NET LSF	NET 95 UCL
530	87621.8	0.0000	0.0000	5.151	-0.6363	-0.6363
545	87616.2	0.0000	0.0000	5.156	-0.6369	-0.6369
600	87609.8	0.6595	0.0000	5.151	0.0231	-0.6364
615	87600.8	0.7607	0.9355	5.151	0.1242	0.2991
630	87596.7	0.7195	0.8178	5.140	0.0843	0.1826
645	87589.9	0.7106	0.7699	5.140	0.0754	0.1346
700	87583.6	0.7058	0.7458	5.140	0.0705	0.1105
715	87575.4	0.7194	0.7520	5.146	0.0834	0.1160
730	87570.4	0.7144	0.7396	5.140	0.0790	0.1042
745	87562.9	0.7179	0.7380	5.142	0.0822	0.1023
800	87557.8	0.7126	0.7297	5.142	0.0769	0.0940
815	87548.9	0.7196	0.7355	5.140	0.0841	0.0999
830	87543.3	0.7202	0.7335	5.142	0.0844	0.0977
845	87536.6	0.7211	0.7325	5.142	0.0853	0.0966
900	87529.0	0.7245	0.7349	5.140	0.0888	0.0992
915	87520.9	0.7304	0.7412	5.142	0.0944	0.1052
930	87513.8	0.7353	0.7460	5.142	0.0993	0.1100

(Lo + Lam - .25 La) <= Lc <= (Lo + Lam + .25 La)
0.6550 <= 0.7353 <= 0.9725

MASS POINT - VERIFICATION TEST

COOPER - DECEMBER 10, 1991



 DATE - 12-13-1991

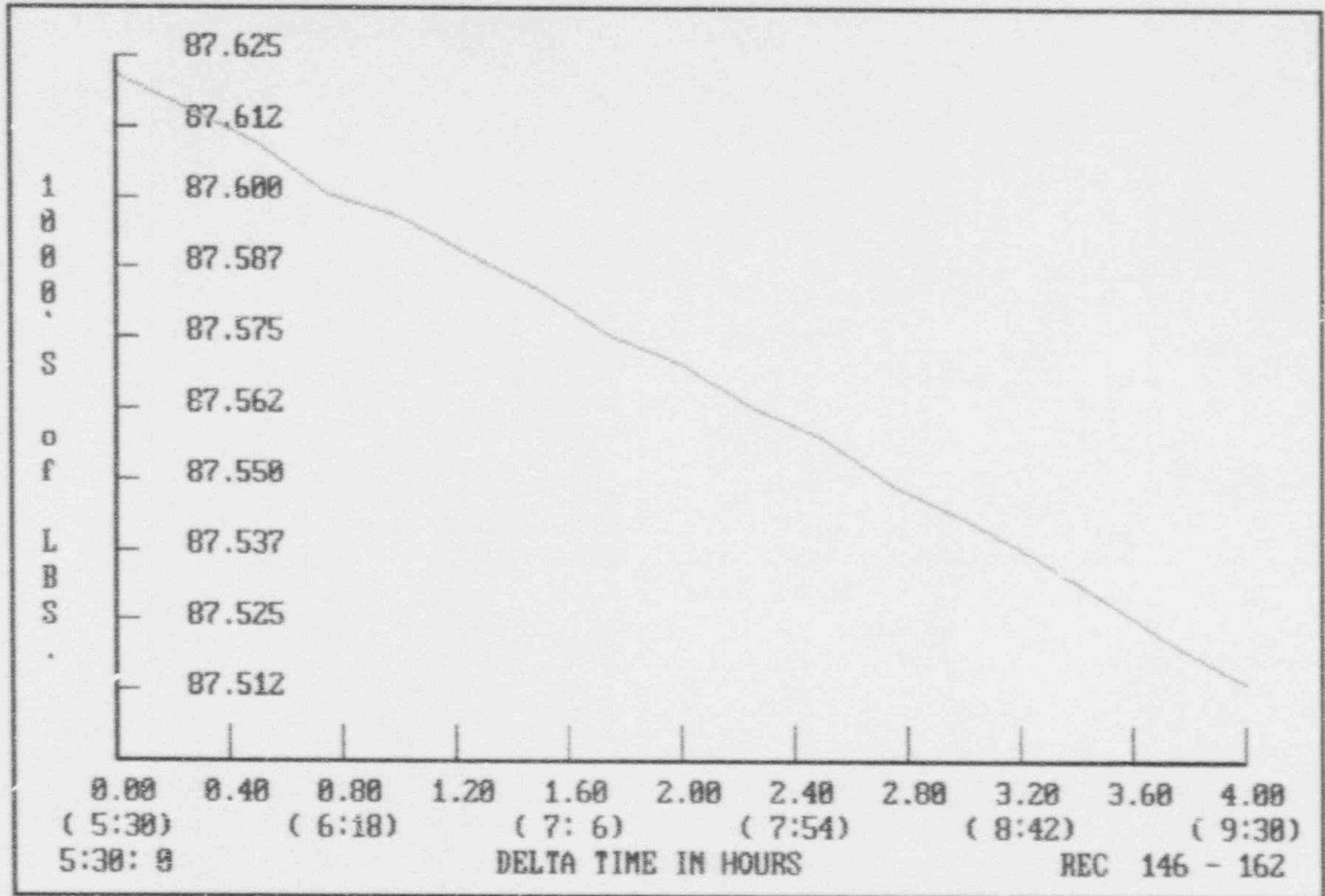
MASS LOSS

 TIME - 09:40:37

REC NUM	TIME DELTA (HOURS)	CONT AIR MASS	MASS LOSS INCR	MASS LOSS (1 HR)	MASS LOSS (x 24)
146	0.00	87621.828	0.000	0.000	0.000
147	0.25	87616.195	-5.633	0.000	0.000
148	0.50	87609.789	-6.406	0.000	0.000
149	0.75	87600.820	-8.969	0.000	0.000
150	1.00	87596.680	-4.141	25.148	603.563
151	1.25	87589.930	-6.750	26.266	630.375
152	1.50	87583.586	-6.344	26.203	628.875
153	1.75	87575.430	-8.156	25.391	609.375
154	2.00	87570.414	-5.016	26.266	630.375
155	2.25	87562.891	-7.523	27.039	648.938
156	2.50	87557.773	-5.117	25.813	619.500
157	2.75	87548.891	-8.883	26.539	636.938
158	3.00	87543.320	-5.570	27.094	650.250
159	3.25	87536.586	-6.734	26.305	631.313
160	3.50	87528.977	-7.609	28.797	691.125
161	3.75	87520.883	-8.094	28.008	672.188
162	4.00	87513.789	-7.094	29.531	708.750

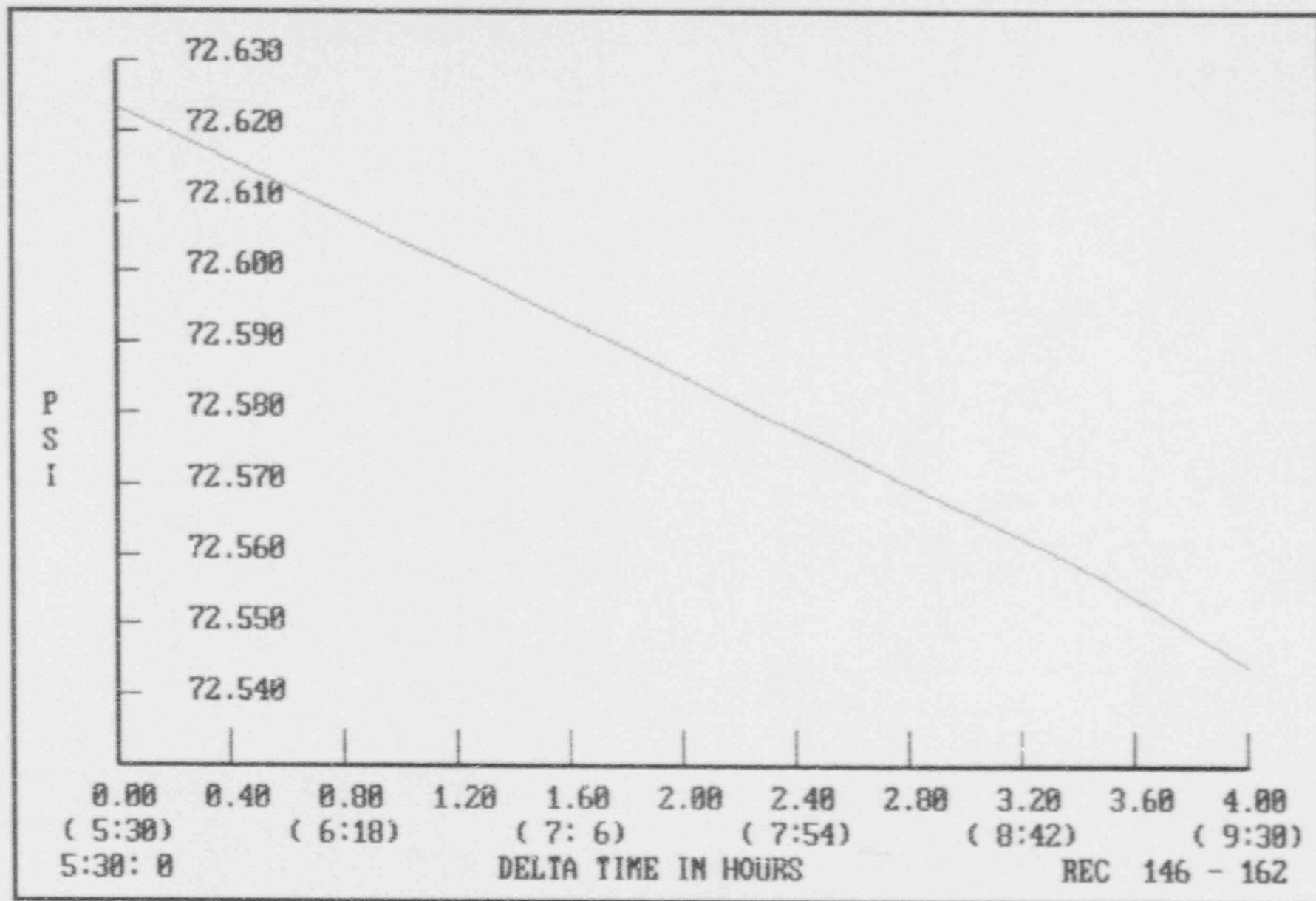
MEASURED MASS - VERIFICATION TEST

COOPER - DECEMBER 10, 1991



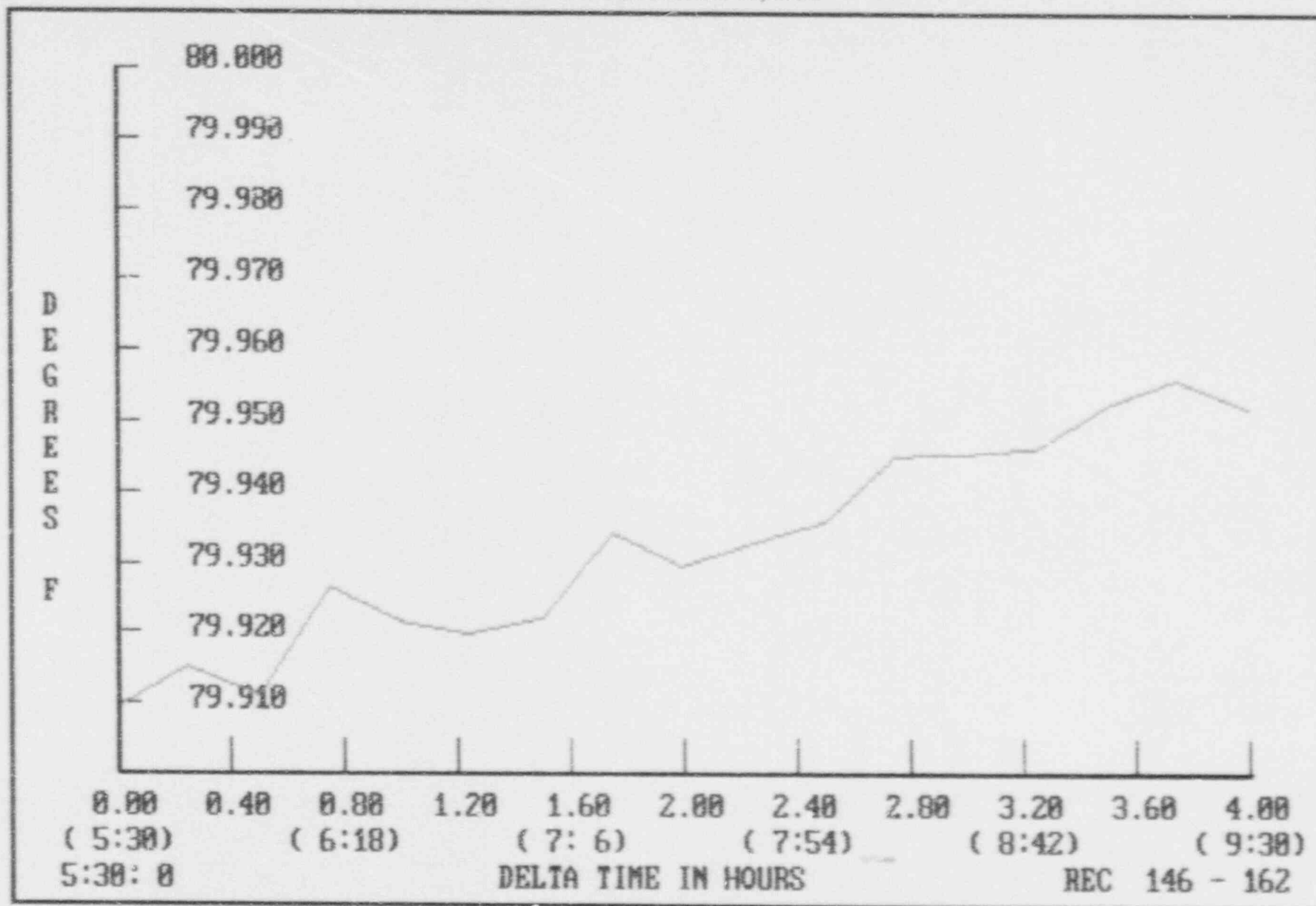
AVERAGE PRESSURE - VERIFICATION TEST

COOPER - DECEMBER 10, 1991



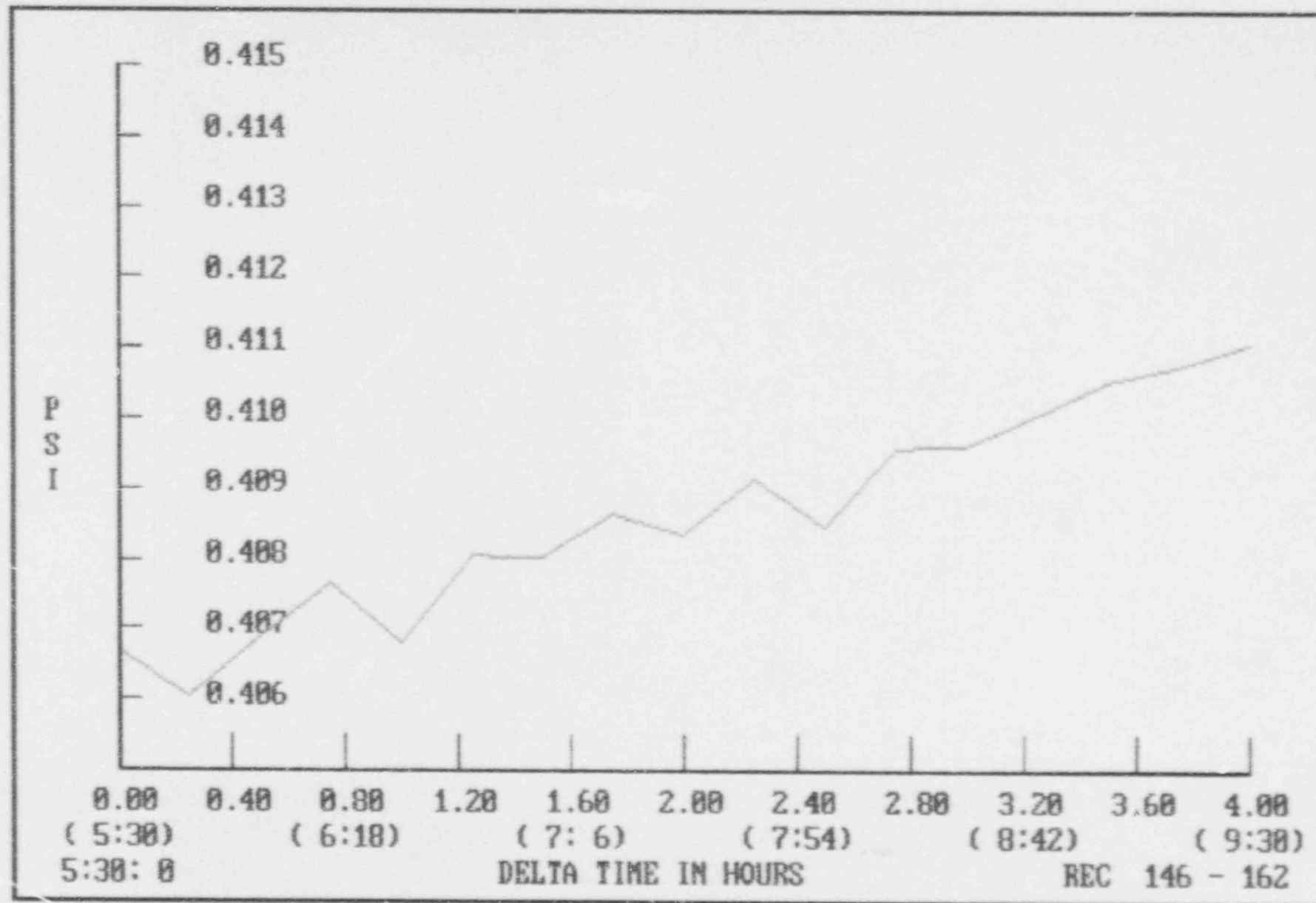
AVERAGE TEMPERATURE - VERIFICATION TEST

COOPER - DECEMBER 10, 1991



AVERAGE VAPOR PRESSURE - VERIFICATION TEST

COOPER - DECEMBER 10, 1991



DATE - 12-13-1991

ENVIRONMENT LISTING

TIME - 09:40:59

REC NUM	DATE	TIME	TEMP	VAPOR PRESSURE	CORRECT. PRESSURE	RELATIVE HUMIDITY	AIR DENSITY	PSIA/HR VARIANCE
146	10	530	539.579	0.4067	72.2168	80.42	0.3613	0.00000
147	10	545	539.585	0.4060	72.2130	80.28	0.3612	-0.01547
148	10	600	539.581	0.4069	72.2071	80.45	0.3612	-0.02325
149	10	615	539.597	0.4077	72.2018	80.57	0.3612	-0.02127
150	10	630	539.592	0.4068	72.1977	80.41	0.3611	-0.01645
151	10	645	539.590	0.4081	72.1919	80.67	0.3611	-0.02313
152	10	700	539.592	0.4080	72.1870	80.66	0.3611	-0.01984
153	10	715	539.604	0.4086	72.1819	80.74	0.3611	-0.02036
154	10	730	539.600	0.4084	72.1771	80.70	0.3610	-0.01895
155	10	745	539.603	0.4091	72.1714	80.85	0.3610	-0.02310
156	10	800	539.606	0.4085	72.1675	80.70	0.3610	-0.01526
157	10	815	539.615	0.4096	72.1614	80.90	0.3610	-0.02444
158	10	830	539.615	0.4096	72.1569	80.91	0.3609	-0.01816
159	10	845	539.616	0.4100	72.1515	80.99	0.3609	-0.02176
160	10	900	539.622	0.4105	72.1460	81.07	0.3609	-0.02188
161	10	915	539.626	0.4107	72.1398	81.10	0.3608	-0.02475
162	10	930	539.622	0.4110	72.1334	81.17	0.3608	-0.02542

 DATE ~ 12-13-1991

ENVIRONMENT LISTING
 ZONE - 1

 TIME - 09:41:00

REC NUM	DATE	TIME	TEMP	VAPOR PRESSURE	CORRECT. PRESSURE	RELATIVE HUMIDITY	AIR DENSITY	PSJA/HR VARIANCE
146	10	530	542.802	0.3779	72.2441	67.34	0.3592	0.00000
147	10	545	542.803	0.3757	72.2403	67.12	0.3592	-0.01498
148	10	600	542.805	0.3781	72.2339	67.37	0.3592	-0.02576
149	10	615	542.824	0.3793	72.2287	67.55	0.3592	-0.02090
150	10	630	542.817	0.3778	72.2252	67.29	0.3591	-0.01398
151	10	645	542.828	0.3799	72.2181	67.64	0.3591	-0.02823
152	10	700	542.821	0.3797	72.2133	67.61	0.3591	-0.01907
153	10	715	542.844	0.3808	72.2082	67.77	0.3590	-0.02072
154	10	730	542.842	0.3804	72.2036	67.69	0.3590	-0.01819
155	10	745	542.851	0.3814	72.1976	67.85	0.3590	-0.02393
156	10	800	542.853	0.3804	72.1936	67.68	0.3590	-0.01630
157	10	815	542.870	0.3822	72.1868	67.95	0.3589	-0.02682
158	10	830	542.877	0.3824	72.1826	67.97	0.3589	-0.01697
159	10	845	542.882	0.3830	72.1770	68.07	0.3589	-0.02231
160	10	900	542.893	0.3838	72.1712	68.19	0.3588	-0.02328
161	10	915	542.903	0.3841	72.1649	68.21	0.3588	-0.02502
162	10	930	542.906	0.3847	72.1583	68.32	0.3587	-0.02664

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*****
DATE - 12-13-1991
*****
ENVIRONMENT LISTING
ZONE - 2
*****
TIME - 09:41:02
*****

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REC NUM	DATE	TIME	TEMP	VAPOR PRESSURE	CORRECT. PRESSURE	RELATIVE HUMIDITY	AIR DENSITY	PSIA/HR VARIANCE
146	10	530	535.717	0.4444	72.1806	99.75	0.3637	0.00000
147	10	545	535.728	0.4446	72.1764	99.77	0.3636	-0.01697
148	10	600	535.717	0.4445	72.1715	99.79	0.3636	-0.01971
149	10	615	535.728	0.4448	72.1662	99.81	0.3636	-0.02097
150	10	630	535.724	0.4448	72.1612	99.82	0.3636	-0.01999
151	10	645	535.709	0.4449	72.1571	99.91	0.3636	-0.01666
152	10	700	535.720	0.4452	72.1518	99.92	0.3635	-0.02097
153	10	715	535.720	0.4449	72.1471	99.87	0.3635	-0.01901
154	10	730	535.713	0.4449	72.1421	99.89	0.3635	-0.02002
155	10	745	535.709	0.4454	72.1366	100.02	0.3635	-0.02194
156	10	800	535.713	0.4451	72.1329	99.93	0.3634	-0.01468
157	10	815	535.713	0.4453	72.1276	99.99	0.3634	-0.02103
158	10	830	535.705	0.4451	72.1229	99.96	0.3634	-0.01898
159	10	845	535.701	0.4453	72.1177	100.03	0.3634	-0.02097
160	10	900	535.701	0.4453	72.1127	100.03	0.3633	-0.02002
161	10	915	535.697	0.4454	72.1066	100.06	0.3633	-0.02432
162	10	930	535.685	0.4453	72.1007	100.08	0.3633	-0.02368

***** SENSOR LIST *****

RECORD NUMBER - 146 DATE - 12/10 TIME - 5:30: 0

PRESSURES

1 -	72.62200	2 -	72.62500
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.62350

RTD/S

1	82.050	2	85.444	3	83.617	4	79.156
5	80.650	6	82.003	7	81.410	8	79.441
9	79.536	10	79.607	11	79.607	12	86.229
13	86.195	14	86.083	15	90.171	16	89.838
17	89.458	18	90.598	19	86.893	20	86.869
21	74.439	22	76.074	23	76.501	24	76.050
25	75.861	26	77.354	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	47.744	INACT	0.049
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.909

DEW CELLS

1	70.538	2	71.069	3	71.988	4	70.848
5	76.426	6	75.518	INACT	76.050	INACT	74.439
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 73.311

AMBIENT PRESS - 14.36058

VAPOR PRESS - .406686

DRY PRESSURE - 72.21682

FLWS - .1889 5.1506

TOTAL FLOW 5.1506

***** SENSOR LIST *****

RECORD NUMBER - 147 DATE - 12/10 TIME - 5:45: 0

PRESSURES

1 -	72.61700	2 -	72.62100
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.61900

RTD/S

1	82.121	2	85.468	3	83.593	4	79.180
5	80.650	6	82.003	7	81.386	8	79.441
9	79.559	10	79.583	11	79.607	12	86.143
13	86.195	14	86.126	15	90.194	16	89.862
17	89.434	18	90.575	19	86.916	20	86.821
21	74.439	22	76.074	23	76.501	24	76.074
25	75.861	26	77.402	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	47.705	INACT	0.049
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 73.915

DEW CELLS

1	70.516	2	70.848	3	71.855	4	70.870
5	76.448	6	75.529	INACT	76.074	INACT	74.439
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 73.265

AMBIENT PRESS - 14.35994

VAPOR PRESS - .4060492

DRY PRESSURE - 72.21295

FLOWS - .1576 5.1556

TOTAL FLOW 5.1556

***** SENSOR LIST *****

RECORD NUMBER - 148 DATE - 12/10 TIME - 6: 0: 0

PRESSURES

1 -	72.61200	2 -	72.61600
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.61400

RTD/S

1	82.098	2	85.468	3	83.569	4	79.180
5	80.650	6	82.003	7	81.410	8	79.465
9	79.559	10	79.583	11	79.654	12	86.143
	86.195	14	86.126	15	90.171	16	89.838
	89.482	18	90.598	19	86.893	20	86.798
21	74.439	22	76.098	23	76.501	24	76.050
25	75.837	26	77.354	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	47.617	INACT	0.049
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.911

DEW CELLS

1	70.493	2	71.146	3	71.999	4	70.859
5	76.437	6	75.529	INACT	76.050	INACT	74.439
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 73.324

AMBIENT PRESS - 14.35959

VAPOR PRESS - .4068597

DRY PRESSURE - 72.20714

FLOWS - .0918 5.1506

TOTAL FLOW 5.1506

SENSOR LIST

RECORD NUMBER - 149

DATE - 12/10

TIME - 6:15: 0

PRESSURES

1 -	72.60800	2 -	72.61100
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.60950

RTD/S

1	82.093	2	85.492	3	83.617	4	79.204
5	80.674	6	82.026	7	81.433	8	79.441
9	79.583	10	79.631	11	79.654	12	86.229
13	86.238	14	86.126	15	90.242	16	89.909
17	89.458	18	90.551	19	86.845	20	86.774
21	74.463	22	76.074	23	76.501	24	76.074
25	75.861	26	77.378	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	47.598	INACT	0.049
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.927

DEW CELLS

1	70.582	2	71.368	3	72.010	4	70.903
5	76.492	6	75.507	INACT	76.074	INACT	74.463
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 73.384

AMBIENT PRESS - 14.35959

VAPOR PRESS - .4076788

DRY PRESSURE - 72.20182

FLOWS - .2103 5.1506

TOTAL FLOW 5.1506

SENSOR LIST

RECORD NUMBER - 150

DATE - 12/10

TIME - 6:30: 0

PRESSURES

1 -	72.60300	2 -	72.60600
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.60450

RTD/S

1	82.098	2	85.492	3	83.640	4	79.204
5	80.674	6	82.003	7	81.433	8	79.417
9	79.559	10	79.631	11	79.654	12	86.229
13	86.238	14	86.126	15	90.194	16	89.862
17	89.410	18	90.598	19	86.745	20	86.750
21	74.439	22	76.074	23	76.501	24	76.074
25	75.861	26	77.378	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	47.510	INACT	0.049
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.922

DEW CELLS

1	70.615	2	70.814	3	72.054	4	70.969
5	76.481	6	75.518	INACT	76.074	INACT	74.439
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 73.319

AMBIENT PRESS - 14.35959

VAPOR PRESS - .4067951

DRY PRESSURE - 72.19771

FLOWS - .2037 5.1404

TOTAL FLOW 5.1404

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SENSOR LIST

*****7*****

RECORD NUMBER - 151

DATE - 12/10

TIME - 6:45: 0

PRESSURES

1 -	72.59800	2 -	72.60200
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.60000

RTD/S

1	82.121	2	85.516	3	83.617	4	79.227
5	80.698	6	82.050	7	81.457	8	79.441
9	79.583	10	79.607	11	79.678	12	80.229
13	86.238	14	86.126	15	90.194	16	80.862
17	89.454	18	90.575	19	86.821	20	86.750
21	74.415	22	76.050	23	76.501	24	76.074
25	75.837	26	77.354	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	47.422	INACT	0.049
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.920

DEW CELLS

1	70.682	2	71.324	3	72.054	4	70.992
5	76.503	6	75.518	INACT	76.074	INACT	74.415
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 73.413

AMBIENT PRESS - 14.3593

VAPOR PRESS - .4080717

DRY PRESSURE - 72.19193

FLOWS - .212 5.1404

TOTAL FLOW 5.1404

SENSOR LIST

RECORD NUMBER - 152

DATE - 12/10

TIME - 7: 0: 0

PRESSURES

1 -	72.59300	2 -	72.59700
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.59500

RTD/S

1	82.098	2	85.516	3	83.664	4	79.204
5	80.698	6	82.050	7	81.457	8	79.441
9	79.583	10	79.631	11	79.678	12	86.143
13	86.238	14	86.126	15	90.194	16	89.814
17	89.482	18	90.598	19	86.798	20	86.726
21	74.439	22	76.074	23	76.501	24	76.074
25	75.837	26	77.378	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	47.354	INACT	0.049
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.922

DEW CELLS

1	70.648	2	71.268	3	72.054	4	71.025
5	76.514	6	75.540	INACT	76.074	INACT	74.439
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 73.410

AMBIENT PRESS - 14.36023

VAPOR PRESS - .4080375

DRY PRESSURE - 72.18697

FLOWS - .1428 5.1404

TOTAL FLOW 5.1404

***** SENSOR LIST *****

RECORD NUMBER - 153 DATE - 12/10 TIME - 7:15: 0

PRESSURES

1 -	72.58900	2 -	72.59200
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.59050

RTD/S

1	82.145	2	85.516	3	83.688	4	79.227
5	80.722	6	82.050	7	81.481	8	79.465
9	79.607	10	79.601	11	79.678	12	86.316
13	86.238	14	86.168	15	90.242	16	89.838
17	89.458	18	90.551	19	86.774	20	86.703
21	74.463	22	76.074	23	76.501	24	76.074
25	75.837	26	77.354	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	47.305	INACT	0.049
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.934

DEW CELLS

1	70.748	2	71.423	3	72.098	4	71.080
5	70.481	6	75.540	INACT	76.074	INACT	74.463
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 73.453

AMBIENT PRESS - 14.3593

VAPOR PRESS - .4086241

DRY PRESSURE - 72.18188

FLOWS - 0 5.1455

TOTAL FLOW 5.1455

SENSOR LIST

RECORD NUMBER - 154

DATE - 12/10

TIME - 7:30: 0

PRESSURES

1 -	72.58400	2 -	72.58700
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.58549

RTD/S

1	82.145	2	85.563	3	83.640	4	79.251
5	80.722	6	82.050	7	81.457	8	79.488
9	79.583	10	79.607	11	79.678	12	86.229
13	86.281	14	86.211	15	90.266	16	89.862
17	89.434	18	90.575	19	86.750	20	86.679
21	74.439	22	76.050	23	76.501	24	76.074
25	75.837	26	77.354	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	47.256	INACT	0.049
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.930

DEW CELLS

1	70.759	2	71.169	3	72.220	4	71.069
5	76.514	6	75.507	INACT	76.074	INACT	74.439
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 73.434

AMBIENT PRESS - 14.35704

VAPOR PRESS - .4083592

DRY PRESSURE - 72.17714

FLOWS - .151 5.1404

TOTAL FLOW 5.1404

***** SENSOR LIST *****

RECORD NUMBER - 155 DATE - 12/10 TIME - 7:45: 0

PRESSURES

1 -	72.57900	2 -	72.58200
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.58051

RTD/S

1	82.216	2	85.516	3	83.711	4	79.251
5	80.722	6	82.074	7	81.481	8	79.465
9	79.631	10	79.678	11	79.702	12	86.229
13	86.281	14	86.211	15	90.147	16	89.838
17	89.410	18	90.575	19	86.726	20	86.679
21	74.415	22	76.074	23	76.501	24	76.050
25	75.837	26	77.354	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	47.188	INACT	0.052
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.933

DEW CELLS

1	70.792	2	71.456	3	72.143	4	71.124
5	76.525	6	75.563	INACT	76.050	INACT	74.415
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 73.491

AMBIENT PRESS - 14.3564

VAPOR PRESS - .4091394

DRY PRESSURE - 72.17136

FLOWS - .0819 5.1421

TOTAL FLOW 5.1421

SENSOR LIST

RECORD NUMBER - 156

DATE - 12/10

TIME - 8: 0: 0

PRESSURES

1 -	72.57400	2 -	72.57800
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.37600

RTD/S

1	82.145	2	85.563	3	83.688	4	79.251
5	80.722	6	82.098	7	81.505	8	79.488
9	79.607	10	79.678	11	79.702	12	86.273
13	86.281	14	86.168	15	90.218	16	89.836
17	89.434	18	90.575	19	86.726	20	86.655
21	74.439	22	76.050	23	76.501	24	76.074
25	75.837	26	77.354	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	47.158	INACT	0.049
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.936

DEW CELLS

1	70.770	2	71.158	3	72.198	4	71.124
5	76.525	6	75.518	INACT	76.074	INACT	74.439
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 73.441

AMBIENT PRESS - 14.35611

VAPOR PRESS - .4084577

DRY PRESSURE - 72.16755

FLOWS - .1741 5.1421

TOTAL FLOW 5.1421

SENSOR LIST

RECORD NUMBER - 157

DATE - 12/10

TIME - 8:15: 0

PRESSURES

1 -	72.56900	2 -	72.57300
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.57100

RTD/S

1	82.216	2	85.587	3	83.711	4	79.275
5	80.745	6	82.121	7	81.505	8	79.536
9	79.631	10	79.678	11	79.726	12	86.273
13	86.324	14	86.254	15	90.028	16	89.838
17	89.482	18	90.575	19	86.703	20	86.631
21	74.439	22	76.074	23	76.501	24	76.050
25	75.837	26	77.354	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	47.129	INACT	0.049
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.945

DEW CELLS

1	70.837	2	71.512	3	72.220	4	71.191
5	76.536	6	75.540	INACT	76.050	INACT	74.439
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 73.522

AMBIENT PRESS - 14.35449

VAPOR PRESS - .4095604

DRY PRESSURE - 72.16144

FLOWS - .2021 5.1404

TOTAL FLOW 5.1404

SENSOR LIST

RECORD NUMBER - 158

DATE - 12/10

TIME - 8:30: 0

PRESSURES

1 -	72.56500	2 -	72.56800
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.56650

RTD/S

1	82.193	2	85.587	3	83.735	4	79.299
5	80.769	6	82.098	7	81.505	8	79.488
9	79.654	10	79.702	11	79.726	12	86.316
13	86.324	14	86.211	15	90.194	16	89.862
17	89.434	18	90.598	19	86.679	20	86.631
21	74.415	22	76.027	23	76.501	24	76.074
25	75.837	26	77.354	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	47.031	INACT	0.052
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.945

DEW CELLS

1	70.814	2	71.512	3	72.320	4	71.180
5	76.548	6	75.496	INACT	76.074	INACT	74.415
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 73.525

AMBIENT PRESS - 14.35385

VAPOR PRESS - .4096019

DRY PRESSURE - 72.1569

FLOWS - .2186 5.1421

TOTAL FLOW 5.1421

SENSOR LIST

RECORD NUMBER - 159

DATE - 12/10

TIME - 8:45: 0

PRESSURES

1 -	72.56000	2 -	72.56300
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.56150

RTD/S

1	82.169	2	85.610	3	83.711	4	79.299
5	80.769	6	82.098	7	81.528	8	79.536
9	79.654	10	79.678	11	79.749	12	86.359
13	86.324	14	86.211	15	90.171	16	89.838
17	89.482	18	90.598	19	86.679	20	86.608
21	74.415	22	76.050	23	76.477	24	76.050
25	75.837	26	77.354	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	47.012	INACT	0.049
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.946

DEW CELLS

1	70.859	2	71.567	3	72.353	4	71.224
5	76.548	6	75.529	INACT	76.050	INACT	74.415
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 73.556

AMBIENT PRESS - 14.35227

VAPOR PRESS - .4100384

DRY PRESSURE - 72.15146

FLOWS - .1988 5.1421

TOTAL FLOW 5.1421

SENSOR LIST

RECORD NUMBER - 160

DATE - 12/10

TIME - 9: 0: 0

PRESSURES

1 -	72.55500	2 -	72.55800
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.55650

RTD/S

1	82.240	2	85.587	3	83.735	4	79.299
5	80.793	6	82.121	7	81.552	8	79.536
9	79.654	10	79.678	11	79.773	12	86.402
13	86.367	14	86.254	15	90.147	16	89.814
17	89.410	18	90.598	19	86.655	20	86.584
21	74.391	22	76.050	23	76.501	24	76.074
25	75.837	26	77.330	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	46.914	INACT	0.052
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.952

DEW CELLS

1	70.925	2	71.622	3	72.419	4	71.290
5	76.559	6	73.518	INACT	76.074	INACT	74.391
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 73.591

AMBIENT PRESS - 14.35095

VAPOR PRESS - .4105169

DRY PRESSURE - 72.14599

FLOWS - .1889 5.1404

TOTAL FLOW 5.1404

***** SENSOR LIST *****

RECORD NUMBER - 161 DATE - 12/10 TIME - 9:15: 0

PRESSURES

1 -	72.54900	2 -	72.55200
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.55051

RTD/S

1	82.240	2	85.634	3	83.711	4	79.322
5	80.793	6	82.145	7	81.552	8	79.536
9	79.678	10	79.702	11	79.742	12	86.402
13	86.367	14	86.254	15	90.194	16	89.862
17	89.458	18	90.598	19	86.655	20	85.584
21	74.415	22	76.027	23	76.477	24	76.074
25	75.813	26	77.354	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	46.895	INACT	0.052
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.956

DEW CELLS

1	70.980	2	71.700	3	72.353	4	71.301
5	76.548	6	75.540	INACT	76.074	INACT	74.415
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG DEW CELL 73.605

AMBIENT PRESS - 14.35321

VAPOR PRESS - .4107034

DRY PRESSURE - 72.1398

FLOWS - .1494 5.1421

TOTAL FLOW 5.1421

***** SENSOR LIST *****

RECORD NUMBER - 162 DATE - 12/10 TIME - 9:30: 0

PRESSURES

1 -	72.54300	2 -	72.54600
INACT -	0.00000	INACT -	0.00000
INACT -	0.00000	INACT -	0.00000

AVG PRESSURE 72.54449

RTD/S

1	82.216	2	85.634	3	83.735	4	79.322
5	80.793	6	82.145	7	81.552	8	79.559
9	79.654	10	79.702	11	79.773	12	86.445
13	86.367	14	86.254	15	90.218	16	89.838
17	89.434	18	90.598	19	86.631	20	86.584
21	74.391	22	76.027	23	76.477	24	76.050
25	75.813	26	77.330	INACT	0.000	INACT	0.00~
INACT	0.000	INACT	0.000	INACT	46.797	INACT	0.052
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 79.952

DEW CELLS

1	71.014	2	71.777	3	72.419	4	71.313
5	76.559	6	75.518	INACT	76.050	INACT	74.391
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 73.630

AMBIENT PRESS - 14.35483

VAPOR PRESS - .4110493

DRY PRESSURE - 72.13345

FLOWS - .1181 5.1421

TOTAL FLOW 5.1421

TYPE A TEST RESULTS

TOTAL TIME	AS FOUND % Weight/Day	AS LEFT % Weight/Day
Least Squares Fit Leak Rate (L_{sm})	0.17103	0.17103
95% UCL Leak Rate	0.19507	0.19507
LLRT (Type B & C) Adjustments	0.33226	0.01094
Other Adjustments (Drywell Vent Monitor)	0.38581	0.11052
Total (Lines 2, 3, & 4)	0.91314	0.31653
MASS POINT		
Least Squares Fit Leak Rate (L_{sm})	0.17768	0.17768
95% UCL Leak Rate	0.18013	0.18013
LLRT (Type B & C) Adjustments	0.33226	0.01094
Other Adjustments (Drywell Vent Monitor)	0.58581	0.11052
Total (Lines 2, 3, & 4)	0.8982	0.30159

VERIFICATION TEST RESULTS

TOTAL TIME

Superimposed Leakage Rate (L_o)	.636 % Wt/Day
LSF Leak Rate - Type A Test (L_{am})	.1710 % Wt/Day
.25 L_a	.15875 % Wt/Day
LSF Leak Rate During Verification Test (L_c)	.7408 % Wt/Day

$$(L_o + L_{am} - .25 L_a) \leq L_c \leq (L_o + L_{am} + .25 L_a)$$

$$(.636 + .1710 - .15875) \leq .7408 \leq (.636 + .1710 + .15875)$$

$$.6483 \leq .7408 \leq .9658$$

MASS POINT

Superimposed Leakage Rate (L_o)	.636 % Wt/Day
LSF Leak Rate - Type A Test (L_{am})	.1776 % Wt/Day
.25 L_a	.15875 % Wt/Day
LSF Leak Rate During Verification Test (L_c)	.7353 % Wt/Day

$$(L_o + L_{am} - .25 L_a) \leq .7353 \leq (L_o + L_{am} + .25 L_a)$$

$$(.636 + .1776 - .15875) \leq .7353 \leq (.636 + .1776 + .15875)$$

$$.6550 \leq .7353 \leq .9725$$

1989 - 1991 LLRT DATA

TYPE C

PEN NO.	DESCRIPTION	1991 AS FOUND	1991 AS LEFT	1990 AS FOUND	1990 AS LEFT	1989 AS FOUND	1989 AS LEFT
X-7A	MSIV - Line A	0.83	0.83	0.0765	0.0765	6.68	2.37
X-7B	MSIV - Line B	0.45	0.45	0.1145	0.1145	5.75	0.84
X-7C	MSIV - Line C	2.08	2.08	0.59	0.59	4.81	1.59
X-7D	MSIV - Line D	0.239	0.239	3.345	3.345	3.08	0
X-8	Main Steam Lines Drain	4.22	4.22	5.74	0.65	8.01	2.76
X-9A	Rx FW Check Line A - Inb	5.4	0.46	63.5	0.92	9.53	0
X-9A	Rx FW Chk. Line A - Outb	600	1.04	303.3	7.7	32.65	0
X-9B	Rx FW Check Line B - Inb	600	4.8	27.7	1.58	1.3	1.3
X-9B	Rx FW Chk. Line B - Outb	45.5	0.655	600	4.6	108.03	0
X-10	RCIC Turbine Steam Supply	0.225	1.69	0.76	0.76	0.34	5.54
X-11	HPCI Turbine Steam Supply	2.125	4.225	2.375	2.375	4.15	4.15
X-12	RHR Shutdown Cooling System	5.3	4.95	1.85	2.45	5.94	5.45
X-13A	RHR Loop A Injection	4.43	4.43	4.775	4.775	24.25	8.73
X-13B	RHR Loop B Injection	4.08	0.495	0.2	10	12.82	12.82
X-14	RWCU Supply	79.2	0.136	4.85	0.33	2.42	2.42
X-16A	CS Loop A Injection	0.08	0.0	0.05	0.05	0	0
X-16B	CS Loop B Injection	0.655	1.0	0	0	0.28	0.28

1989 - 1991 LLRT DATA

TYPE C

PEN NO.	DESCRIPTION	1991 AS FOUND	1991 AS LEFT	1990 AS FOUND	1990 AS LEFT	1989 AS FOUND	1989 AS LEFT
X-18	Drywell Equip Drain Sump Disch	0.1275	0.1275	0.014	0.38	0.84	0.84
X-19	Drywell Floor Drain Sump Disch	0.0275	0.0275	0.034	0.65	0.53	0.53
X-25	Drywell Purge & Vent	1.6	1.6	0.1	1.625	3.35	0
X-25	SBNI	0.0075	0.0075	0.004	0.006	0	0.01
X-26	Drywell Purge & Vent Exhaust	0.145	0.145	0.1	6.75	0	2.36
X-37C	CRD Mini Purge to Rx Pump A	0	0.0002	5.1	0.081	0	0
X-38C	CRD Mini-Purge to Rx Pump B	0.001	0.0002	0.36	0.36	0	0
X-39A	Drywell Spray -Loop A	2.175	1.465	1.395	1.395	0.7	0.7
X-39B	Drywell Spray -Loop B	0.56	0.1875	0	0	1.31	1.31
X-39B	SBNI System B to Drywell	0.005	0.005	0.003	0.29	0.05	0.02
X-41	Rx Water Sample	0.0015	0.0015	0.0095	0.0095	0	0
X-42	SLC Injection	0.01	0.01	0.002	0.002	0	0
X-205	Torus Purge & Vent Supply	1.75	1.75	2.185	2.3	25.81	0.71
X-205	Torus Vacuum Relief	3.62	1.905	2.02	2.02	4.6	1.21
X-205	Torus Vacuum Relief	2.5	1.59	1.52	1.52	2.6	2.57

1989 - 1991 LLRT DATA

TYPE C

PEN NO.	DESCRIPTION	1991 AS FOUND	1991 AS LEFT	1990 AS FOUND	1990 AS LEFT	1989 AS FOUND	1989 AS LEFT
X-205	SBNI System A to Torus	0.035	0.035	0.011	0.52	0.01	0.01
X-210A	RCIC Minimum Flow	0.485	0.89	0.0215	0.0215	1.12	1.12
X-210A	RHR Hx A Drain to Torus	0	0	0	0	0	0
X-210A	RHR Loop A Minimum Flow	0	0	0.095	0.095	0.09	0.83
X-210B	HPCI Minimum Flow	0.735	0.68	0.68	0.68	0.17	0.17
X-210B	RHR Hx B Drain to Torus	3.85	3.85	0.72	0.55	0.25	0.02
X-210B	RHR Loop B Minimum Flow	0.46	0.345	12.1	0	0	0.69
X-210A X-211A	RHR Loop A to Torus	0.1	7.56	0.425	3.35	0	1.36
X-210B X-211B	RHR Loop B to Torus	3.225	7.1	0.455	1.7	4.69	4.69
X-211B	SBNI System B to Torus	0.001	0.001	0.004	0.026	0	0
X-212	RCIC Turbine Exhaust	3.76	6.17	0.855	2.25	11.88	11.88
X-214	HPCI Turbine Exhaust	6.6	6.6	2.215	1.635	1.39	1.39
X-214	RHR Hx A Vent	0.003	0.003	0.16	0.16	0.07	0
X-214	RHR Hx B Vent	0.0005	0.0005	1.15	0.005	0.01	0
X-214	HPCI Turbine Exhaust Drain	0.375	0.0115	2.265	0.195	0.01	0.01

1989 - 1991 LLRT DATA

TYPE C

PEN NO.	DESCRIPTION	1991 AS FOUND	1991 AS LEFT	1990 AS FOUND	1990 AS LEFT	1989 AS FOUND	1989 AS LEFT
X-220	Torus Purge & Vent Exhaust	0.38	1.07	2.8	1.465	4.76	1.83
X-221	RCIC Vac Pump Disch to Torus	1.52	0.53	1.0	1.51	1.27	1.27
X-222	HPCI Turbine Drain to Torus	0.002	0.002	0.0105	0.0105	0.03	0.03
X-223A	CS Loop A Test	6.3	0.57	2.26	2.26	0	0
X-223A	CS Loop A Minimum Flow	0.02	0.0	1.85	1.85	0.24	0.24
X-223B	CS Loop B Test	0.32	0.0	0	3.2	0.51	0.51
X-223B	CS B Minimum Flow	0.25	0.5	12.5	0	0.4	0.4
X-224	RCIC Suction	2.54	0.132	0.14	0.14	0.26	0.26
X-225A	RHR Pump A Suction	1.55	4.2	2.89	2.89	0	1.71
X-225B	RHR Pump C Suction	2.08	2.08	6.24	6.24	4.93	1.15
X-225C	RHR Pump B Suction	2.52	0	0.74	9.8	3.0	3.0
X-225D	RHR Pump D Suction	7.46	7.46	0.5	0.66	1.34	1.34
X-226	HPCI Suction	13.4	0.338	0	0	25.71	2.8
X-227A	CS Loop A Suction	0	0054	1.05	1.05	2.31	2.31
X-227B	CS Loop B Suction	1.23	0	0.1	0.1	0.52	0.52

1989 - 1991 LLRT DATA

TYPE B

PEN NO.	DESCRIPTION	1991 AS FOUND	1991 AS LEFT	1990 AS FOUND	1990 AS LEFT	1989 AS FOUND	1989 AS LEFT
X-1A	NE Drywell Equip Hatch	0	0	0	0	0	0
X-1B	SW Drywell Equip Hatch	0	0	0	0	0	0
X-2	Drywell Airlock	10.47	8.676	10	3.42	0	0.1
X-4	Drywell Head Access Hatch	0	0	0	0	0	0
X-6	CRD Removal Hatch	0	0.08	0.046	0	0	0
X-7A	MS Line A Expansion Bellows	0.0361	0.0361	0	0	0.38	0.38
X-7B	MS Line B Expansion Bellows	0.1801	0.1801	0.2	0.2	0.44	0.44
X-7C	MS Line C Expansion Bellows	0.1291	0.1291	0.33	0.33	0.35	0.35
X-7D	MS Line D Expansion Bellows	0.6	0.6	0.36	0.36	0.15	0.15
X-9A	RF Line A Expansion Bellows	0.03	0.03	0.11	0.11	0.03	0.03
X-9B	RF Line B Expansion Bellows	0.03	0.03	0.06	0.06	0	0
X-35A	TIP D	0	0	0	0	0	0
X-35B	TIP A	0	0	0	0	0	0
X-35C	TIP C	0	0	0.003	0.003	0	0

1989 - 1991 LLRT DATA

TYPE B

PEN NO.	DESCRIPTION	1991 AS FOUND	1991 AS LEFT	1990 AS FOUND	1990 AS LEFT	1989 AS FOUND	1989 AS LEFT
X-35D	TIP B	0	0	0	0	0	0
X-35E	TIP Nitrogen Purge	0	0	0	0	0	0
X-49C	Instrumentation & Controls	0	0	0	0	0	0
X-49D	Instrumentation & Controls	0	0	0	0	0	0
X-50A	Instrumentation & Controls	0	0	0.0037	0.0037	0.01	0.01
X-50B	Instrumentation & Controls	0.002	0.002	0	0	0.01	0.01
X-100A	Low Voltage Power	1.37	1.37	1.68	1.68	0.03	0.03
X-100E	Thermocouples	0	0	0	0	0	0
X-100F	Neutron Monitoring	0	0	0	0	0	0
X-100G	Low Voltage Power	0	0	0	0	0	0
X-100H	Low Voltage	0	0	0	0	0	0
X-101A	Medium Voltage Power	0	0	0.073	0.073	0.07	0.07
X-101B	Neutron Monitoring	0	0	0	0	0	0
X-101C	Medium Voltage Power	0	0	0.03	0.03	0.03	0.03
X-101D	Medium Voltage Power	0	0	0	0	0	0
X-101E	Low Voltage Power	0	0	Inactive	Inactive	Inactive	Inactive
X-101F	Medium Voltage Power	0	0	0	0	0	0
X-102	Low Voltage Power	0	0	0	0	0.07	0.07

1989 - 1991 LLRT DATA

TYPE B

PFN NO.	DESCRIPTION	1991 AS FOUND	1991 AS LEFT	1990 AS FOUND	1990 AS LEFT	1989 AS FOUND	1989 AS LEFT
X-103	Neutron Monitoring	0	0	0	0	0	0
X-104A	Instrumentation & Control	0	0	0	0	0	0
X-104B	Instrumentation & Control	0	0	0	0	0	0
X-104D	Instrumentation & Control	0	0	0.138	0.138	0.12	0.12
X-104E	Instrumentation & Control	0	0	0	0	0.01	0.01
X-105A	Low Voltage Power	0	0	0	0	0	0
X-105D	Medium Voltage Power	0	0	0	0	0.01	0.01
X-106	Neutron Monitoring	0	0	0.087	0.087	0	0
X-230	Low Voltage Power	0	0	0	0	0	0
X-200A	NW Torus Access Hatch	0	0	0	0	0	0
X-200B	SE Torus Access Hatch	0	0	0.017	0.017	0	0
X-213B	Torus Drain Flange	0	0	0	0	0	0
DWH	Drywell Head	0.007	0.007	0	0.017	0	0
SIP1	Stabilizer Inspection Port 1	0	0	0	0	0	0
SIP2	Stabilizer Inspection Port 2	0	0	0	0	0	0
SIP3	Stabilizer Inspection Port 3	0.16	0.0	0.083	0.083	0	0
SIP4	Stabilizer Inspection Port 4	0	0	0	0	0	0
SIP5	Stabilizer Inspection Port 5	0	0	0	0	0	0

1989 - 1991 LLRT DATA

PEN NO.	DESCRIPTION	TYPE B					
		1991 AS FOUND	1991 AS LEFT	1990 AS FOUND	1990 AS LEFT	1989 AS FOUND	1989 AS LEFT
SIP6	Stabilizer Inspection Port 6	0	0	0	0	0	0
SIP7	Stabilizer Inspection Port 7	0	0	0	0	0	0
SIP8	Stabilizer Inspection Port 8	0	0	0	0	0	0
X-25	Testable Flange	0	0	0	0	Inactive	Inactive
X-26	Testable Flange	0	0	0	0	Inactive	Inactive
X-205	Testable Flange	0	0	0	0	Inactive	Inactive
X-205	Testable Flange	0	0	0	0	Inactive	Inactive
X-220	Testable Flange	0	0	0	0	Inactive	Inactive
Totals		236.1148	99.1093	156.5427	88.0912	114.23	56.45

1991 LLRT ADJUSTMENTS TO ILRT

PEN NO.	AS FOUND MIN PATH SCFH	AS LEFT MIN. PATH SCFH	DIFFERENCE SCFH
X-9A	5.4	0.46	
X-9B	45.5	0.655	
X-12	5.3	4.95	
X-13B	4.08	0.495	
X-14	79.2	0.1335	
X-16A	0.08	0	
X-38C	0.001	0.0002	
X-39A	2.175	1.465	
X-39B	0.56	0.1875	
X-41	0.0015	0	
X-205	3.62	1.905	
X-205	2.5	1.59	
X-210B	0.735	0.68	
X-210B	0.46	0.345	
X-221	1.52	0.53	
X-223A	6.3	0.57	
X-223A	0.02	0	
X-223B	0.32	0	
X-224	2.54	0.132	
X-225C	2.52	0	
X-226	13.4	0.338	
X-227B	1.23	0	
X-2	10.47	8.676	
SIP-3	0.16	0	
X-214	0.375	0.0115	
TOTAL	188.4675	23.1237	165.3438