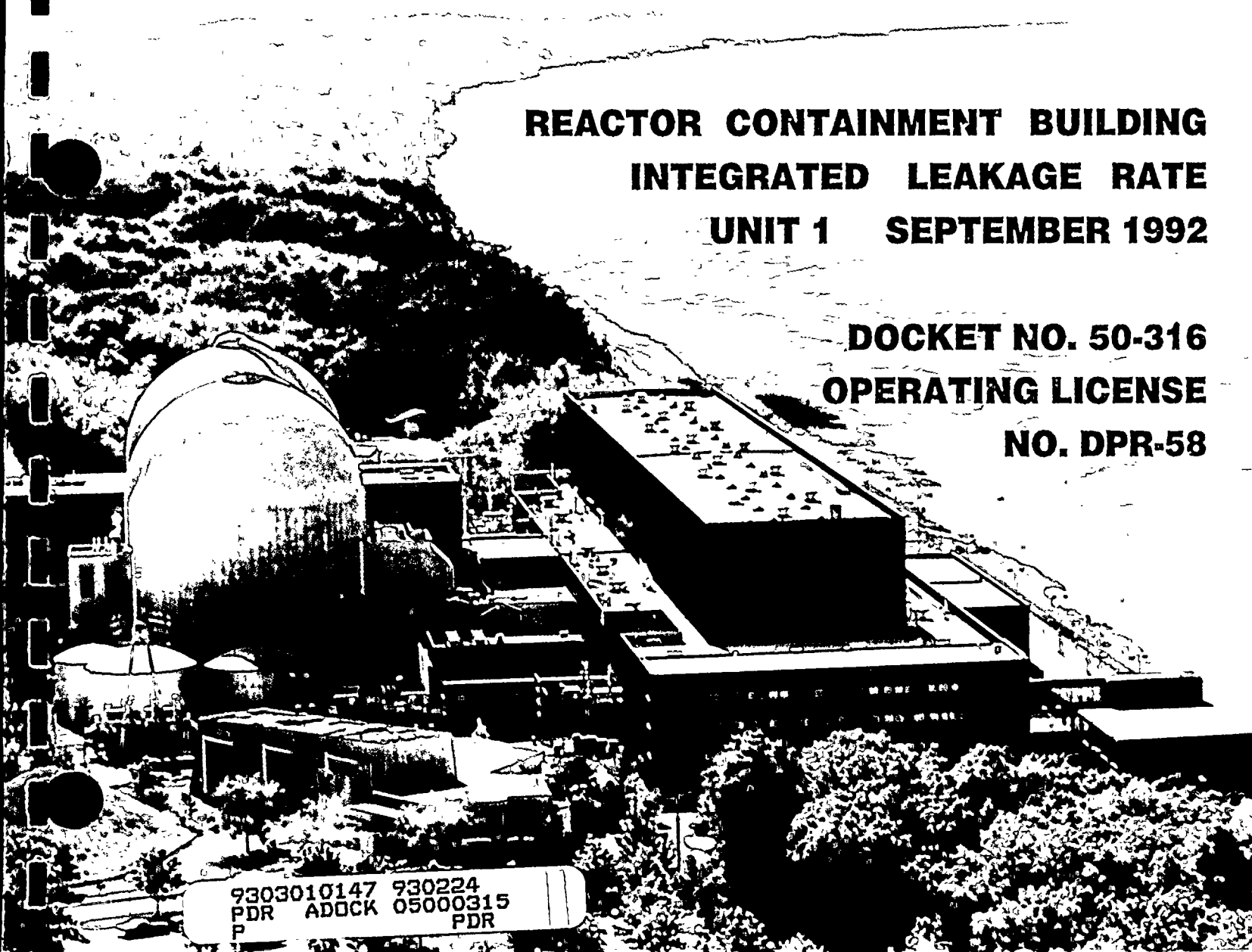
COOK NUCLEAR PLANT

Bridgman, Michigan



REACTOR CONTAINMENT BUILDING INTEGRATED LEAKAGE RATE UNIT 1 SEPTEMBER 1992

DOCKET NO. 50-316
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1.0 INTRODUCTION

A containment Integrated Leakage Rate Test (ILRT) was conducted at D.C. Cook Nuclear Plant, Unit 1, per Technical Specification Section 4.6.1.2, Procedure 1EHP4030STP.202 and 10CFR Part 50, Appendix J.

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

2.0 PREREQUISITES

All instrumentation used for the 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 containment interior and exterior 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. Four oil-free air compressors with a total capacity of 6000 scfm were connected to the air dryer skids.

3.0 INSTRUMENTATION

The following instrumentation was used in the performance of the Unit 1 ILRT:

3.1 Pressure

Six (6) precision pressure gauges with three vibrating stainless steel cylinder type sensors and three quartz vibrating transducers monitored containment pressure. The average of the six readings was utilized in the leakage rate calculations.

3.2 Dewpoint Temperature

Seven (7) chilled mirror dewpoint hygrometers were installed to measure the containment dewpoint temperature. Near the end of the verification test, one sensor malfunctioned and was rejected. Results contained in this report omit the rejected sensor.

3.3 Drybulb Temperature

Containment drybulb temperature was monitored by forty-six (46) 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 rotameter.

3.5 Data Acquisition

A Fluke 2280 Data Acquisition System (DAS) was utilized to collect data from all sensors. A personal computer received the data from the DAS and performed the necessary calculations utilizing the ATEST software program for ILRT.

Instrument weighting factors and locations are listed on attachment 3A. Pressure and flow instrumentation are shown on Attachment 3B. Hygrometer and RTD locations are illustrated on Attachment 3C. A brief summary of the ATEST software is included as Attachment 3D.

4.0 TEMPERATURE STABILIZATION

Pressurization for the ILRT began at 09:29 on September 30, 1992, at a rate of approximately 3.8 psi per hour. The pressurization equipment was secured at 13:16 with average containment pressure at 26.9478 psia.

The temperature stabilization period began at 13:30. 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/hour averaged over the last two hours (Bechtel Topical Report BN-TOP-1).

All of the above criteria were met at 17:30 on September 30, 1992. Supporting graphs and listings are contained in Attachment 4.

5.0 TYPE A TEST

The Type A Test started at 19:45 on September 30, 1992. 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 03:45 on October 1, 1992. 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 the rotameter to a flow rate of approximately 3.7 to 3.6 scfm. The Verification Test began at 05:30 on October 1, 1992. Containment pressure, weighted average temperature, and weighted average dewpoint temperature were again recorded at approximately fifteen minute intervals. The total time and mass point leakage rate analysis techniques were again employed.

The verification test ended at 13:00 on October 1, 1992. Graphs and listings related to the verification test are contained in Attachment 6.

7.0 TEST SUMMARY

The temperature stabilization period began at 13:30, the test criteria were satisfied at 17:30 and the Type A Test began at 19:45 on September 30, 1992. Temperature, dewpoint temperature, and pressure data were recorded at approximately fifteen minute intervals during the test.

A near zero leakage rate was calculated. Absence of leakage paths was confirmed through numerous plant walkdowns. The Type A Test was completed at 03:45 on October 1, 1992, with a Total Time Upper Confidence Level leakage rate of 0.07921 wt/day and a Mass Point Upper Confidence leakage rate of -0.00299% wt/day. See Attachment 7A for complete test results.

A superimposed leak of approximately 3.74 scfm was metered through a rotameter and the verification test began at 05:30 on October 1, 1992. At three hours into the verification test, the least squares fit leakage rate began to trend out of the lower limit of the acceptance band. Data indicated that a hygrometer had malfunctioned. This hygrometer was subsequently removed from both Type A test and verification test data sets with its volume fraction redistributed to another sensor. Results contained in this report omit the rejected sensor. Acceptability of the Type A was demonstrated (see Attachment 7B) and the verification test was completed at 13:00. Depressurization of the containment began at 14:15 and was completed at 22:52.

The D.C. Cook Nuclear Plant, Unit 1 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 LEAKAGE RATE TEST DATA

The 1990 and 1992 local leakage rate test results reflect the total leakage as determined by testing containment valves in series or with some penetrations between containment isolation valves. In 1992, the individual leakage from the inboard and outboard valves of each penetration which required corrective or preventive maintenance was also quantified. The As Found minus the As Left 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 leakage rate test data from 1990 and 1992 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 1992 ILRT are listed on Attachment 8B.

9.0 BACKUP DATA

The backup data retained at D.C. Cook, Unit 1 Nuclear Station includes the following:

- Integrated Leakage Rate Test Procedure 1EHP4030STP.202
- Local Leakage Rate Test Procedure 1EHP4030STP.203
- 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

SEPTEMBER 30, 1992

08:05	Completed Containment Inspection
09:29	Started Pressurization of Containment
13:16	Isolated ILRT pressurization valve at test pressure
13:30	Temperature Stabilization period begun
17:30	Temperature Stabilization criteria met
19:45	Type A Test started

OCTOBER 1, 1992

03:45	Type A Test complete.
04:30	Commenced Stabilization for Verification Test using Rotameter 2 at 3.74 scfm
05:30	Started Verification Test
12:30	Hygrometer that malfunctioned was rejected and results recomputed.
13:00	Ended Verification Test
14:15	Started Depressurization
22:52	Depressurization complete

D.C. Cook, Unit 1 Nuclear Station
1992 ILRT TECHNICAL DATA SUMMARY

A. GENERAL DATA

Owner:	Indiana Michigan Power Company
Docket No.:	50-315
Location:	Bridgman, Michigan
Containment Description:	PWR
Date Test Completed:	October 1, 1992

B. TECHNICAL DATA

Containment Free Volume:	1,178,355.8 cu. ft.
Design Pressure:	12.0 psig

C. TEST DATA

Test Method:		Absolute
Data Analysis Technique:		Total Time / Mass Point
Test Pressure:	Start:	26.594psia
	End:	26.562psia
Maximum Allowable Leak Rate (L_a):		.25 %/24 hr.
Calculated Leakage UCL:	Total Time:	0.07921 %/24 hr.
	Mass Point:	-.00299 %/24 hr.
LSF Leakage (L_{am})	Total Time:	-.0010 %/24 hr.
	Mass Point:	-.00837 %/24 hr.

D. VERIFICATION

Calibrated Leak Superimposed (L_o):		0.2426 %/24 hr.
Composite Leakage (L_c):	Total Time:	0.2039 %/24 hr.
	Mass Point:	0.2064 %/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
Pv	-	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	-	.25 %/day
P	-	26.562 psia
T	-	520.687°R drybulb
T_{dp}	-	37.356°F dewpoint
t	-	8 hours

B. INSTRUMENT PARAMETERS

1. Total absolute pressure error (${}^{e}P$)

No. of sensors: Paroscientifics Model	Quantity = 3
No. of sensors: Volumetrics Model	Quantity = 3
Range:	0 to 100 psia
Paro. Pressure sensor sensitivity error (${}^{E}P$):	.0001 psia
Volumetric Pressure sensor sensitivity error (${}^{E}P$):	.0001 psia
Paro. Pressure measurement system error (${}^{\epsilon}P$):	.000816 psia
Volumetric Pressure measurement system error (${}^{\epsilon}P$):	.001 psia

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

$$ {}^{e}P = \pm[(.0001)^2 + (.000816)^2]^{1/2} / [3]^{1/2} \quad \text{(Paro.)} $$

$$ {}^{e}P = \pm[(.0001)^2 + (.001)^2]^{1/2} / [3]^{1/2} \quad \text{(Vol.)} $$

$$ {}^{e}P = \pm(.000580 + .000475)/ 2 $$

$$ {}^{e}P = \pm.000527 \text{ psia} $$

2. Water vapor pressure error (^{c}Pv)

General Eastern Model M-1 Pacer Hygrometers

No. of sensors: (7 installed - 1 failed)	6
Range:	-32°F to 200°F
Vapor pressure sensor sensitivity error (^{B}Pv):	±.54°F
Vapor pressure measurement system error ($^{\epsilon}Pv$):	±.1979°F

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

$$^{c}Pv = \pm[(.54)^2 + (.1979)^2]^{1/2} / [6]^{1/2} = .23479°F \times .00434°F/psia^*$$

$$^{c}Pv = \pm.001019 \text{ psia}$$

* The equivalent water vapor change between 37°F and 38°F is 0.00434psia/°F (from Steam Tables).

3. Temperature error (^{c}T)

No. of sensors:	46
Range:	-148°F to 200°F
Temperature sensor sensitivity error (^{B}T):	±.0045°F
Temperature measurement system error ($^{\epsilon}T$):	±.0575°F

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

$$^{c}T = \pm[(.0045)^2 + (.0575)^2]^{1/2} / [46]^{1/2}$$

$$^{c}T = \pm.00850°R$$

4. $ISG = \pm(2400/t)\ [2(^{c}P/P)^2 + 2(^{c}Pv/P)^2 + 2(^{c}T/T)^2]^{1/2}$

$$ISG = \pm(2400/8)\ [2(.000527/26.562)^2 + 2(.001019/26.562)^2 + 2(.0085/520.687)^2]^{1/2}$$

$$ISG = \pm300\ [7.873E\text{-}10 + 2.943E\text{-}09 + 5.3298E\text{-}10]^{1/2}$$

$$ISG = \pm0.01959\%/day$$

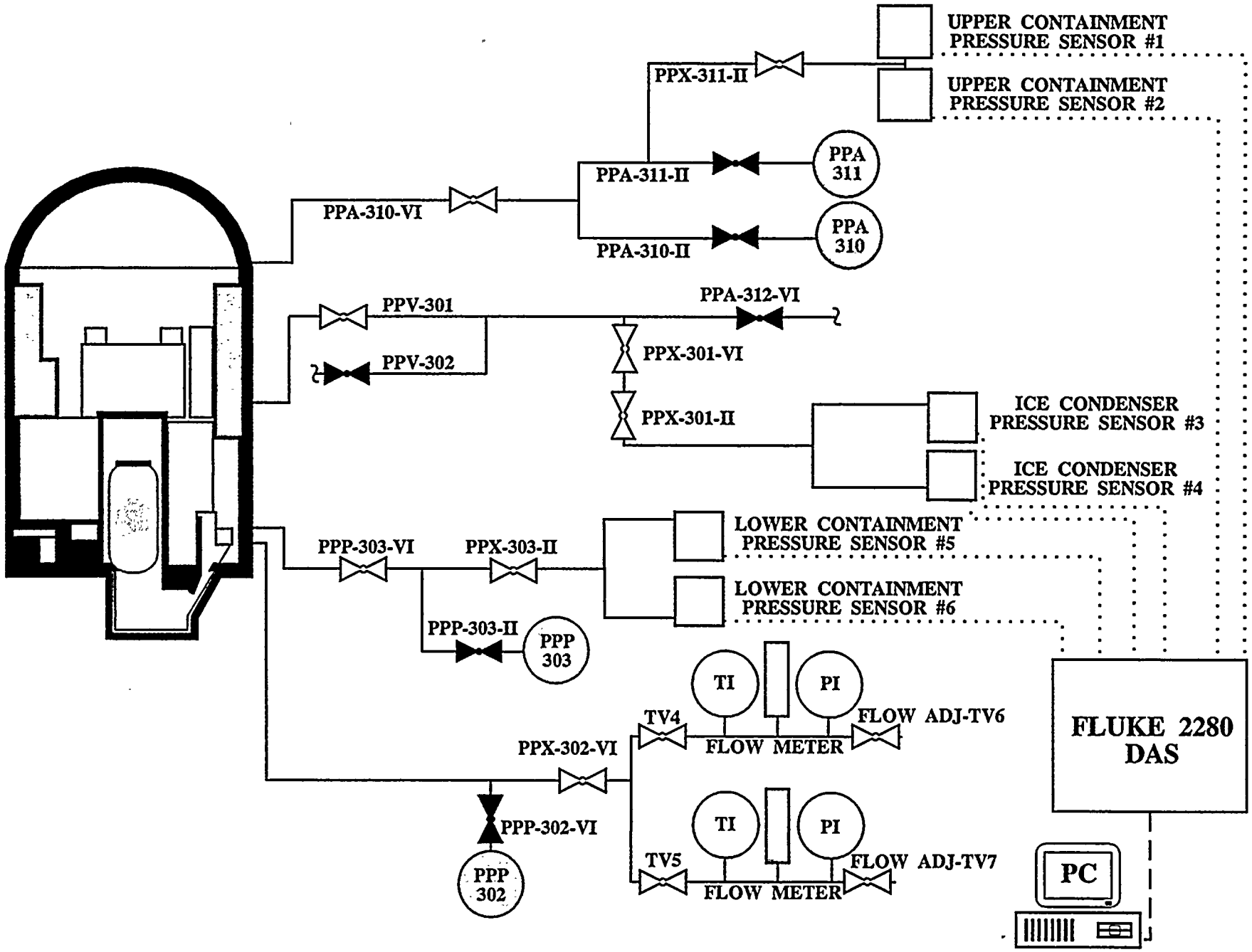
The ISG formula does not exceed 0.25 L_a (0.0625%/day) and it is therefore concluded that the instrumentation selected was acceptable for use in determining the reactor containment integrated leakage rate.

INSTRUMENTATION LIST

No.	Description	Location	Elev.	Zone	Azim.	% Wt.
DC1	Dewpoint	Top of Dome	768'	1	001	.3365
DC2	Dewpoint	Doghouse	685'	1	284	.0992
DC3	Dewpoint	Below HV-CEQ-2	612'	1	106	.1619
DC4	Dewpoint	Near Glycol Exp. Tank	720'	3	090	.0398
DC5	Dewpoint	Below HV-CEG-1	612'	3	062	.0966
DC6	Dewpoint	W. RHR Fan Units	598'	2	185	.2659
DC7	Dewpoint	W. End PZR Relief Tank	598'	2	246	.0000
T1	Temperature	Top of Dome	768'	1	001	.0375
T2	Temperature	Near Top of Dome	741'	1	090	.0694
T3	Temperature	Cranewall, No. SG-22	712'	1	135	.0496
T4	Temperature	Cranewall, SG-24	712'	1	315	.0496
T5	Temperature	Ice Cond. Plenum	720'	1	001	.0574
T6	Temperature	Near Glycol Exp. Tank	720'	1	090	.0574
T7	Temperature	Upper Ice Cond.	720'	1	180	.0574
T8	Temperature	Upper Ice. Cond.	720'	1	270	.0574
T9	Temperature	SG-21 Doghouse	675'	1	045	.0177
T10	Temperature	SG-22 Doghouse	675'	1	135	.0177
T11	Temperature	SG-23 Doghouse	675'	1	189	.0177
T12	Temperature	SG-24 Doghouse	675'	1	350	.0177
T13	Temperature	RX Vessel Cavity	651'	2	270	.0307
T14	Temperature	Refueling Cavity	651'	1	077	.0442
T15	Temperature	Inside Upper Ice Cond.	700'	3	355	.0101
T16	Temperature	Inside Upper Ice Cond.	700'	3	355	.0101
T17	Temperature	Inside Upper Ice Cond.	700'	3	200	.0098
T18	Temperature	Inside Upper Ice Cond.	700'	3	200	.0098
T19	Temperature	Ice Cond. Lower Plenum	642'	3	026	.0303
T20	Temperature	Ice Cond. Lower Plenum	642'	3	275	.0379
T21	Temperature	Ice Cond. Lower Plenum	642'	3	151	.0284
T22	Temperature	SG-21 Dghse, NE of SG	680'	2	038	.0110
T23	Temperature	SG-22 Dghse, NE of SG	680'	2	143	.0110
T24	Temperature	SG-23 Dghse, SE of SG	680'	2	221	.0110
T25	Temperature	SG-24 Dghse, SE of SG	680'	2	320	.0110
T26	Temperature	Pzr Dghse, No. wall	685'	2	284	.0027
T27	Temperature	Instrument Room	625'	2	NA	.0075
T28	Temperature	Below HV-CEG-1	612'	1	062	.0062
T29	Temperature	E. "CAN" Lower Vent Rm	612'	2	356	.0156
T30	Temperature	Top Regen Heat Exch. Rm	612'	2	295	.0023
T31	Temperature	Instr. Rm, Col. 14 & 15	612'	2	256	.0071
T32	Temperature	W. "CAN" Lower Vent Rm	612'	2	184	.0156
T33	Temperature	Below HV-CEQ-2	612'	2	106	.0100
T34	Temperature	By RCP-22 & S/G-22	625'	2	144	.0276

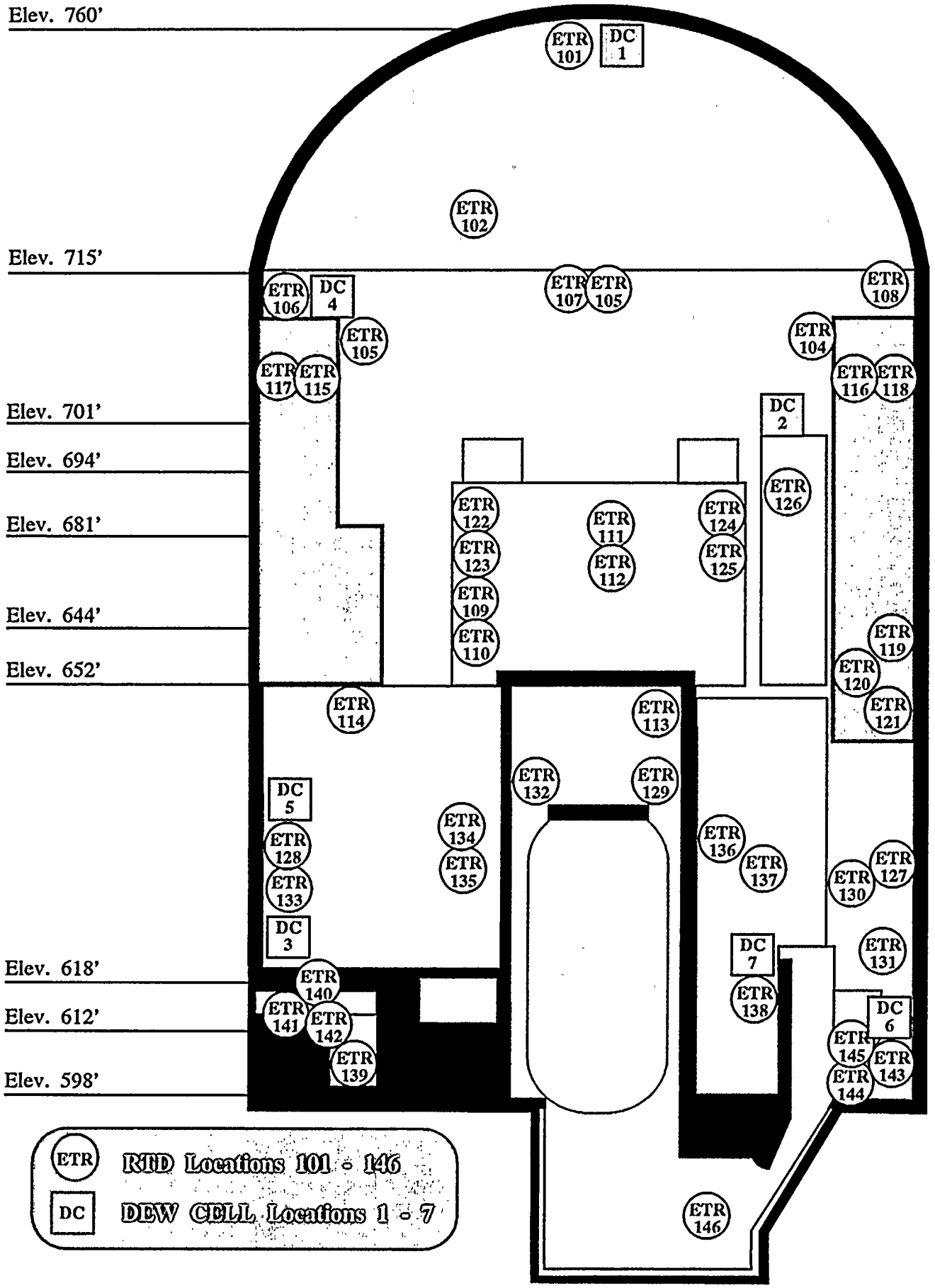
INSTRUMENTATION LIST

No.	Description	Location	Elev.	Zone	Azim.	Wt.
T35	Temperature	By RCP-21 & S/G-21	625'	2	036	.0276
T36	Temperature	By RCP-23 & S/G-23	625'	2	221	.0276
T37	Temperature	By RCP-24 & S/G-24	625'	2.	321	.0276
T38	Temperature	W. End PZR Relief Tank	598'	2	246	.0133
T39	Temperature	W. End RX Cool Drn Tank	598'	2	100	.0025
T40	Temperature	Below E Clv Fan Rm Htch	598'	2	004	.0065
T41	Temperature	NE HV-CEQ-1 Ladder	598'	2	060	.0039
T42	Temperature	N. HV-CEQ-2 Ladder	598'	2	120	.0045
T43	Temperature	W. RHR Fan Units	598'	2	185	.0066
T44	Temperature	NE Col 15, "CAN" Wall	598'	2	240	.0058
T45	Temperature	SE Ladder Regen Heat Ex	598'	2	303	.0064
T46	Temperature	RX Cavity Pit	569'	2	292	.0112
P1	Pressure 1	Reactor Bldg. SE	Upper	1	N/A	.2989
P2	Pressure 2	Reactor Bldg. SE	Upper	1	N/A	.2989
P3	Pressure 1	Reactor Bldg. SE	Ice	3	N/A	.0682
P4	Pressure 2	Reactor Bldg. SE	Ice	3	N/A	.0682
P5	Pressure 1	Reactor Bldg. SE	Lower	2	N/A	.1329
P6	Pressure 2	Reactor Bldg. SE	Lower	2	N/A	.1329
FR1	Flow Rate 1	Reactor Bldg. SE	-		N/A	.0000
FR2	Flow Rate 2	Reactor Bldg. SE	-		N/A	1.0000



PRESSURE & FLOW INSTRUMENTATION

RTD & HYGROMETER LOCATIONS



ATEST SOFTWARE SUMMARY

1.0 INTRODUCTION

The Type A test is an integrated leakage rate test (ILRT) designed to verify the leak tightness of the entire containment building. This test is performed at approximately three-year intervals as required by Appendix J of 10 CFR 50. It is performed in accordance with the American National Standard "Containment System Leakage Testing Requirements," (ANSI/ANS- 56.8-1987), American National Standard "Leakage Rate Testing of Primary Containment for Nuclear Power Plants," (ANSI N45.4-1972), and the Bechtel Topical Report "Testing Criteria for Integrated Leakage Rate Testing of Nuclear Power Plants," (BN-TOP-1, Rev. 1- 1972).

The ATEST program computes total time leakage rates, mass point leakage rates, least squares fit (LSF) leakage rates, and 95% upper confidence level (UCL) leakage rates during the course of the test from input measured values of containment pressure, temperature and dew point.

The ATEST program is also capable of performing the verification phase and will generate specific verification test features to aid in verifying the Type A test.

The program is designed to automate the task of sampling and reducing the data to a usable form in accordance with the above documents. This greatly limits the possibility of human error and provides intermediate results after a short delay. This makes it possible to monitor the progress of the test very closely in approximately real time. For each of the two test periods, the ATEST program samples the containment's environment and calculates the values needed to assess the status of the test. Interim results are provided as desired and the program checks to see if the acceptance criteria have been satisfied for the two test periods. The program also produces a printout of all data gathered as well as a record of its calculations. In addition, the data is stored on hard or floppy computer disks for future reference. The program can recover from a power failure or any other accidental interruptions of the program's execution by reloading the old data and restarting the data sampling routine at the proper location. Lastly, should one of the RTDs fail during the test, the program will detect the problem and the user can remove that sensor from further calculations. When the test is completed, the program has the ability to recalculate all values for the test, suppressing any failed sensors or instruments from the entire series of calculations.

ATEST is written in a high level language (QuickBASIC) and is designed for use on a micro-computer with direct data input from the data acquisition system. Brief descriptions of program use, formulae used for leakage rate computations, and program logic are provided in the following sections.

2.0 EXPLANATION OF PROGRAM

The ATEST computer program is written for use by experienced ILRT personnel, to determine containment integrated leakage rates based on the Absolute Method described in ANSI N45.4-1972, ANSI/ANS 56.8-1987, and BN-TOP-1.

Information loaded into the program prior to or at the start of the test:

a. Number of containment atmosphere drybulb temperature sensors, dew point temperature (water vapor pressure) sensors and pressure gages to be used in leakage rate computations for the specific test.
b. Volume fractions assigned to each of the above sensors.

c. Calibration data for above sensors.
d. Test title.
e. Test pressure.
f. Maximum available leakage rate at test pressure.

Data recorded from the data acquisition system during the test, and used to compute leakage rates:

a. Time and date.
b. Containment atmosphere drybulb temperatures.
c. Containment atmosphere pressure(s).
d. Containment atmosphere dew point temperatures.
e. Containment free air volume.

If an instrument or sensor should fail during the test, the data from the sensor is not used. The volume fractions for the remaining sensors are recomputed and reloaded into the program for use in ensuing leakage rate computations.

3.0 PROGRAM LOGIC AND OPERATION SUMMARY

The ATEST computer program user logic flow is controlled by a set of user options (see chart). These options (shown on the screen) and a brief description of their associated function are presented below:

LOG ON/OFF	Allows for the use of the data acquisition system for electronic entry and permanent recording of data. Conversely, this toggle can suspend the entry/recording process.
AUTO/MANUAL	This key (de)activates the automatic data entry and allows manual entry.
MAINT	Provides for maintenance of the data, calibration, and weighting factor files. Its features include defining weighting factors, changing the time increment of logging data, deleting a file record, displaying a record's average environmental contents, and changes the individual record's content (see second screen). This key has several sub-tiers.
INPUT	Provides for either a pre-arranged manual entry(s) or in the MANUAL mode, the method to input the recorded data.
REPORTS	This key performs the calculations of program and prints the results. This key has several sub-tiers.
PLOTS	This function implements the graphics portion of the program. Any channel or leakage rate can be plotted. This key has several sub- tiers.
END JOB	This key will properly terminate the program.

4.0 COMPUTER REPORTS AND PLOTS

4.1 Reports

REPORTS Does the analysis of the data accumulated by the ILRT system and then prints out a report of the results. The types of analysis performed are: mass point, total time, environmental averages, mass loss, temperature stabilization, and data rejection. All results from the analysis are printed off a thermal printer. The subprogram REPORTS requires the user to select a valid time window or record window as listed below as a prerequisite for doing analysis.

SENSOR LIST This report outputs all the sensor data for the selected records.

MASS LOSS The mass loss analysis is based on the ANSI/ANS 56.8-1987 Standard acceptance criteria and calculations.

TEMP STAB The temperature stabilization analysis is based on the Bechtel Topical Report (BN-TOP- 1) and the ANSI/ANS 56.8-1987 Standard with their respective acceptance criteria and calculations. The harmonic weighted average method is used.

DATA REJECTION The data rejection analysis is based on the Bechtel Topical Report (BN-TOP-1) and the ANSI/ANS 56.8-1987 Standard, Appendix D, with their respective acceptance criteria and calculations.

TOTAL TIME The total time analysis is based on the Bechtel Topical Report (BN-TOP-1) and its acceptance criteria and calculations.

MASS POINT The mass point analysis is based on the ANSI/ANS 56.8-1987 Standard acceptance criteria and calculations.

ENVIRONMENT The environment analysis is based on the Bechtel Topical Report (BN-TOP-1) and the ANSI/ANS 56.8-1987 Standard with their respective acceptance criteria and calculations.

POINT TO POINT The point to point analysis is based on the ANSI N45.4-1972 Standard and its acceptance criteria and calculations.

4.2 Plots

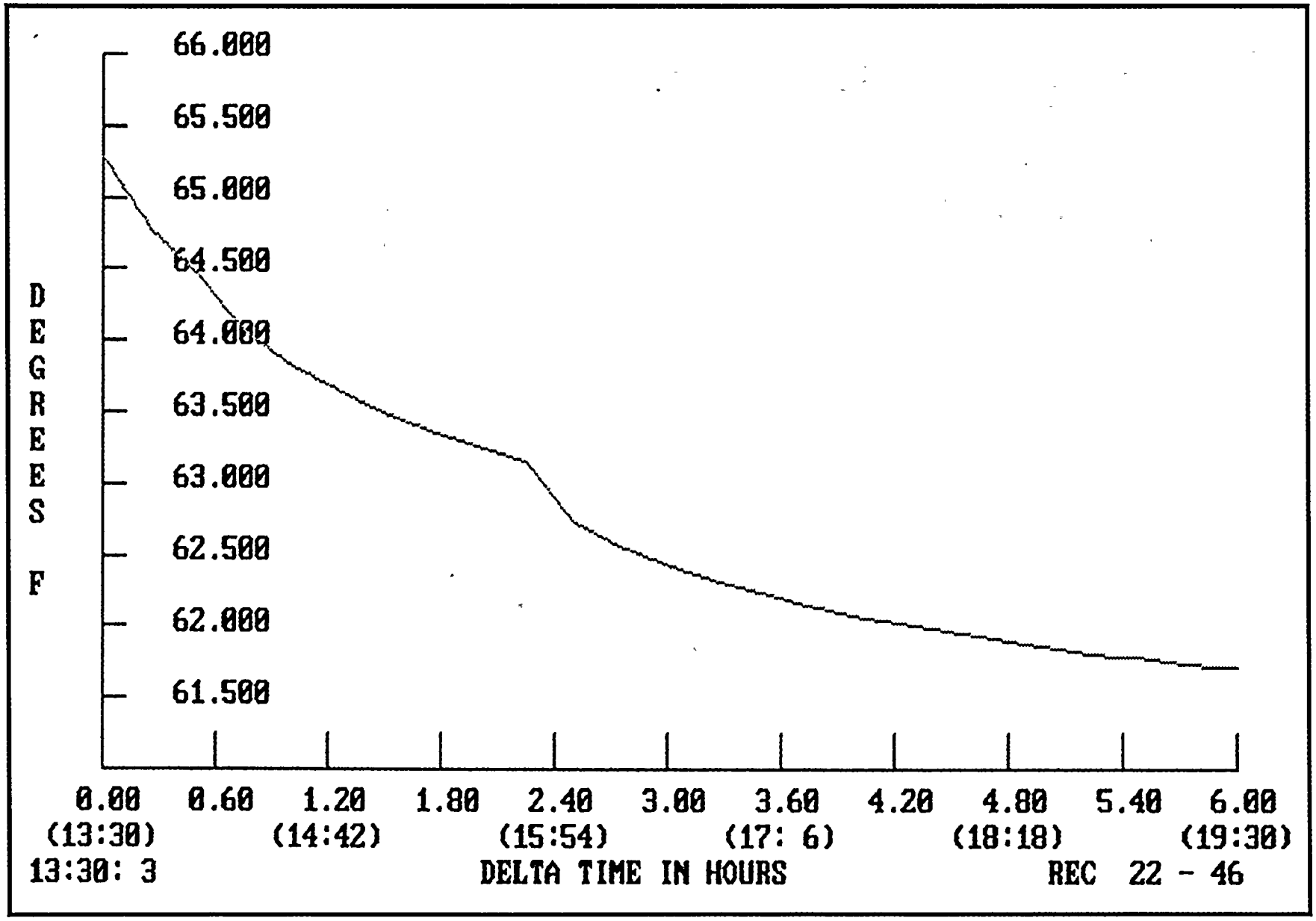
The Graphics subprogram allows the user to plot the mass point analysis, total time analysis, and displayed channels. Further, plots can be made in a batch mode by instrument type to a printer or a plotter. PLOTS performs autoranging on the data being plotted for axes values. PLOTS requires the user to select any valid time window or record window as a prerequisite for doing plotting.

********** TEMPERATURE STABILIZATILIZATION **********

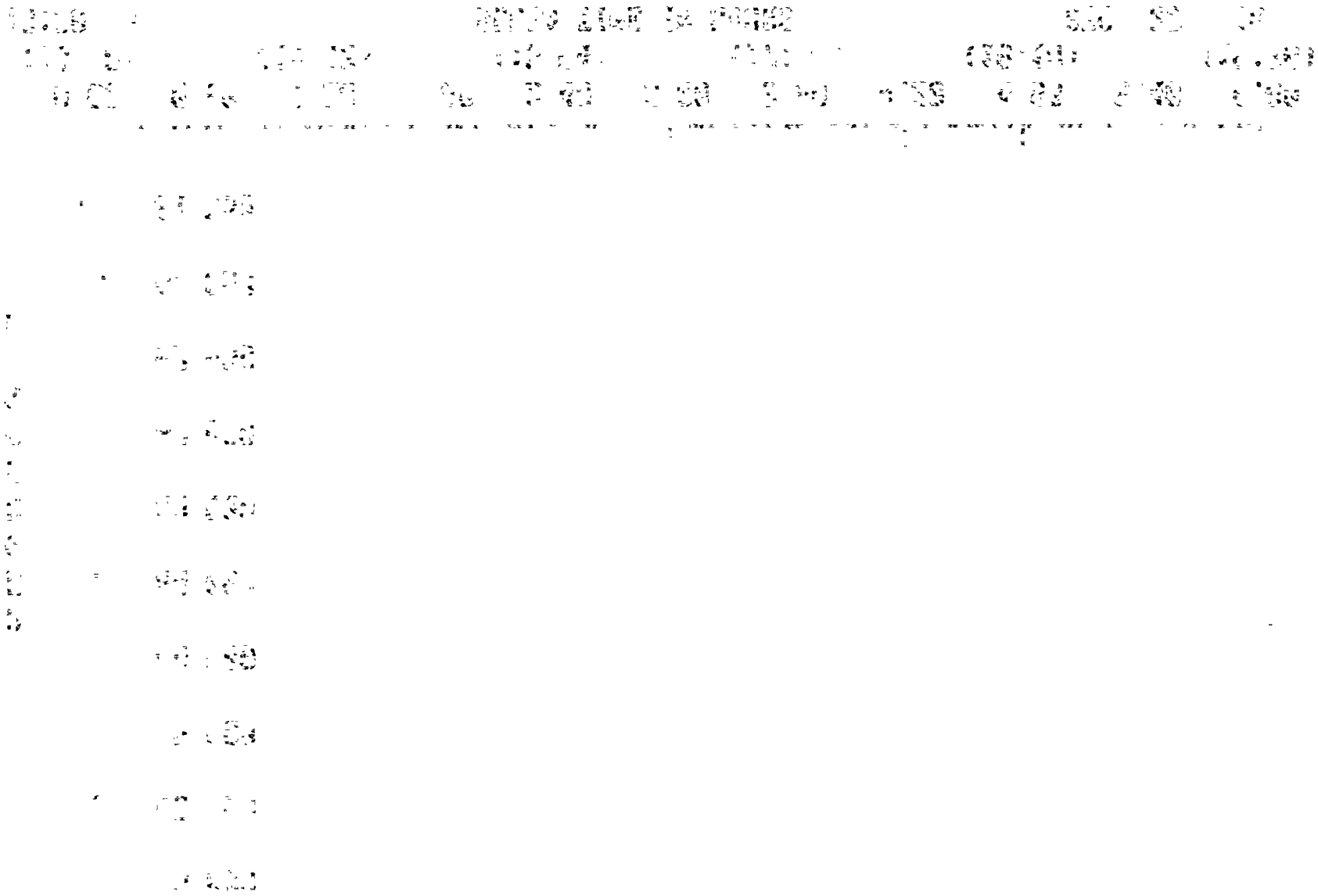
TIME (DELTA) (HOURS)	TEMP	TEMP DIFF INCR	TEMP AVG (1 HR)	BN-TOP-1 AVG (2 HR)	BN-TOP-1 RATE (2 HR)	TEMP AVG (4 HR)	ANSI CRIT
0.00	524.947	0.000	0.000	0.000	0.000	0.000	0.000
0.25	524.462	-0.485	0.000	0.000	0.000	0.000	0.000
0.50	524.135	-0.327	0.000	0.000	0.000	0.000	0.000
0.75	523.744	-0.391	0.000	0.000	0.000	0.000	0.000
1.00	523.512	-0.232	0.000	0.000	0.000	0.000	0.000
1.25	523.325	-0.187	523.894	0.000	0.000	0.000	0.000
1.50	523.177	-0.148	523.819	0.000	0.000	0.000	0.000
1.75	523.044	-0.133	523.394	0.000	0.000	0.000	0.000
2.00	522.931	-0.113	523.221	-1.008	1.008	0.000	0.000
2.25	522.832	-0.100	523.078	-0.815	0.815	0.000	0.000
2.50	522.421	-0.410	522.799	-1.020	1.020	0.000	0.000
2.75	522.230	-0.191	522.703	-0.757	0.757	0.000	0.000
3.00	522.112	-0.118	522.521	-0.700	0.700	0.000	0.000
3.25	522.005	-0.107	522.418	-0.660	0.660	0.000	0.000
3.50	521.910	-0.095	522.166	-0.633	0.633	0.000	0.000
3.75	521.826	-0.084	522.028	-0.609	0.609	0.000	0.000
4.00	521.752	-0.074	521.991	-0.646	0.646	0.000	0.000
4.25	521.695	-0.057	521.903	-0.618	0.618	-0.813	0.396
4.50	521.650	-0.045	521.780	-0.386	0.386	-0.621	0.362
4.75	521.593	-0.057	521.751	-0.319	0.319	-0.538	0.221
5.00	521.540	-0.053	521.646	-0.286	0.286	-0.493	0.281
5.25	521.487	-0.052	521.591	-0.259	0.259	-0.459	0.252
5.50	521.463	-0.024	521.557	-0.223	0.223	-0.428	0.242
5.75	521.406	-0.057	521.500	-0.252	0.252	-0.409	0.223
6.00	521.398	-0.008	521.469	-0.177	0.177	-0.383	0.241

AVERAGE TEMPERATURE - TEMPERATURE STABILIZATION

D.C. COOK - Unit 1, September 30, 1992



Attachment 4B



********** ENVIRONMENT LISTING **********

REC NUM	DATE	TIME	TEMP	VAPOR PRESSURE	CORRECT. PRESSURE	RELATIVE HUMIDITY	AIR DENSITY	PSIA/HR VARIANCE
22	930	1330	524.947	0.1480	26.7698	47.96	0.1376	0.00000
23	930	1345	524.462	0.1471	26.7492	48.51	0.1377	-0.08234
24	930	1400	524.135	0.1461	26.7269	48.71	0.1376	-0.08901
25	930	1415	523.744	0.1454	26.7088	49.14	0.1376	-0.07259
26	930	1430	523.512	0.1443	26.6973	49.16	0.1376	-0.04610
27	930	1445	523.325	0.1434	26.6877	49.20	0.1376	-0.03814
28	930	1500	523.177	0.1422	26.6803	49.02	0.1376	-0.02980
29	930	1515	523.044	0.1410	26.6735	48.86	0.1376	-0.02700
30	930	1530	522.931	0.1404	26.6675	48.83	0.1376	-0.02429
31	930	1545	522.832	0.1390	26.6624	48.51	0.1376	-0.02023
32	930	1600	522.421	0.1381	26.6470	48.90	0.1377	-0.06178
33	930	1615	522.230	0.1372	26.6401	48.90	0.1377	-0.02762
34	930	1630	522.112	0.1359	26.6346	48.65	0.1377	-0.02193
35	930	1645	522.005	0.1351	26.6291	48.53	0.1377	-0.02177
36	930	1700	521.910	0.1340	26.6249	48.30	0.1377	-0.01708
37	930	1715	521.826	0.1331	26.6210	48.13	0.1377	-0.01558
38	930	1730	521.752	0.1322	26.6171	47.93	0.1377	-0.01550
39	930	1745	521.695	0.1315	26.6137	47.77	0.1377	-0.01350
40	930	1800	521.650	0.1308	26.6108	47.60	0.1377	-0.01191
41	930	1815	521.593	0.1300	26.6081	47.41	0.1377	-0.01042
42	930	1830	521.540	0.1292	26.6057	47.18	0.1377	-0.00996
43	930	1845	521.487	0.1284	26.6033	47.00	0.1377	-0.00961
44	930	1900	521.463	0.1277	26.6005	46.79	0.1377	-0.01084
45	930	1915	521.406	0.1268	26.5985	46.54	0.1377	-0.00828
46	930	1930	521.398	0.1265	26.5962	46.43	0.1377	-0.00926

********** ENVIRONMENT LISTING ZONE - 1 **********

REC NUM	DATE	TIME	TEMP	VAPOR PRESSURE	CORRECT. PRESSURE	RELATIVE HUMIDITY	AIR DENSITY	PSIA/HR VARIANCE
22	930	1330	530.706	0.1773	26.7402	47.15	0.1360	0.00000
23	930	1345	530.056	0.1762	26.7199	47.91	0.1361	-0.08131
24	930	1400	529.607	0.1750	26.6978	48.32	0.1361	-0.08825
25	930	1415	529.066	0.1742	26.6797	48.98	0.1361	-0.07219
26	930	1430	528.754	0.1734	26.6679	49.28	0.1361	-0.04735
27	930	1445	528.524	0.1724	26.6585	49.38	0.1361	-0.03750
28	930	1500	528.327	0.1711	26.6512	49.35	0.1362	-0.02935
29	930	1515	528.160	0.1698	26.6445	49.26	0.1362	-0.02685
30	930	1530	528.025	0.1690	26.6386	49.25	0.1362	-0.02332
31	930	1545	527.883	0.1671	26.6340	48.93	0.1362	-0.01859
32	930	1600	527.777	0.1664	26.6183	48.91	0.1361	-0.06277
33	930	1615	527.672	0.1653	26.6117	48.75	0.1361	-0.02660
34	930	1630	527.601	0.1637	26.6066	48.40	0.1361	-0.02038
35	930	1645	527.514	0.1628	26.6011	48.28	0.1361	-0.02182
36	930	1700	527.428	0.1612	26.5974	47.94	0.1361	-0.01491
37	930	1715	527.351	0.1604	26.5934	47.83	0.1361	-0.01591
38	930	1730	527.271	0.1588	26.5901	47.50	0.1361	-0.01312
39	930	1745	527.232	0.1581	26.5868	47.33	0.1361	-0.01337
40	930	1800	527.173	0.1566	26.5846	47.00	0.1361	-0.00868
41	930	1815	527.121	0.1556	26.5822	46.78	0.1361	-0.00953
42	930	1830	527.087	0.1539	26.5806	46.32	0.1361	-0.00652
43	930	1845	527.015	0.1531	26.5782	46.20	0.1361	-0.00950
44	930	1900	527.005	0.1521	26.5759	45.90	0.1361	-0.00939
45	930	1915	526.943	0.1512	26.5737	45.72	0.1361	-0.00862
46	930	1930	526.939	0.1500	26.5723	45.39	0.1361	-0.00591

********** ENVIRONMENT LISTING ZONE - 2 **********

REC NUM	DATE	TIME	TEMP	VAPOR PRESSURE	CORRECT. PRESSURE	RELATIVE HUMIDITY	AIR DENSITY	PSIA/HR VARIANCE
22	930	1330	536.335	0.1730	26.7436	38.09	0.1346	0.00000
23	930	1345	535.967	0.1719	26.7235	38.30	0.1346	-0.08077
24	930	1400	535.745	0.1701	26.7018	38.19	0.1345	-0.08657
25	930	1415	535.482	0.1686	26.6845	38.18	0.1345	-0.06916
26	930	1430	535.293	0.1657	26.6749	37.76	0.1345	-0.03828
27	930	1445	535.107	0.1641	26.6660	37.64	0.1345	-0.03600
28	930	1500	534.984	0.1615	26.6598	37.18	0.1345	-0.02444
29	930	1515	534.853	0.1598	26.6539	36.95	0.1345	-0.02382
30	930	1530	534.728	0.1586	26.6482	36.84	0.1345	-0.02268
31	930	1545	534.665	0.1571	26.6435	36.57	0.1345	-0.01894
32	930	1600	533.360	0.1550	26.6292	37.68	0.1348	-0.05705
33	930	1615	532.871	0.1535	26.6229	37.93	0.1349	-0.02526
34	930	1630	532.580	0.1515	26.6181	37.81	0.1349	-0.01940
35	930	1645	532.371	0.1499	26.6135	37.67	0.1349	-0.01812
36	930	1700	532.203	0.1489	26.6091	37.65	0.1350	-0.01786
37	930	1715	532.059	0.1471	26.6062	37.35	0.1350	-0.01142
38	930	1730	531.955	0.1464	26.6021	37.33	0.1350	-0.01642
39	930	1745	531.820	0.1454	26.5991	37.24	0.1350	-0.01189
40	930	1800	531.782	0.1455	26.5953	37.30	0.1350	-0.01549
41	930	1815	531.676	0.1445	26.5929	37.18	0.1350	-0.00932
42	930	1830	531.552	0.1445	26.5896	37.33	0.1350	-0.01340
43	930	1845	531.507	0.1431	26.5878	37.03	0.1350	-0.00710
44	930	1900	531.437	0.1426	26.5849	36.98	0.1350	-0.01152
45	930	1915	531.353	0.1407	26.5839	36.61	0.1350	-0.00400
46	930	1930	531.323	0.1417	26.5801	36.90	0.1350	-0.01529

********** ENVIRONMENT LISTING ZONE - 3 **********

REC NUM	DATE	TIME	TEMP	VAPOR PRESSURE	CORRECT. PRESSURE	RELATIVE HUMIDITY	AIR DENSITY	PSIA/HR VARIANCE
22	930	1330	477.512	0.0414	26.8795	91.03	0.1519	0.00000
23	930	1345	477.522	0.0414	26.8581	91.03	0.1518	-0.08578
24	930	1400	477.530	0.0413	26.8348	90.77	0.1517	-0.09289
25	930	1415	477.541	0.0415	26.8158	91.11	0.1516	-0.07620
26	930	1430	477.571	0.0414	26.8029	90.87	0.1515	-0.05140
27	930	1445	477.576	0.0415	26.7928	91.08	0.1514	-0.04041
28	930	1500	477.591	0.0416	26.7838	91.12	0.1514	-0.03620
29	930	1515	477.606	0.0414	26.7762	90.72	0.1513	-0.03015
30	930	1530	477.614	0.0415	26.7692	90.78	0.1513	-0.02818
31	930	1545	477.626	0.0413	26.7630	90.39	0.1512	-0.02479
32	930	1600	477.631	0.0412	26.7469	90.04	0.1512	-0.06429
33	930	1615	477.644	0.0412	26.7389	90.08	0.1511	-0.03217
34	930	1630	477.653	0.0413	26.7320	90.16	0.1511	-0.02759
35	930	1645	477.658	0.0413	26.7258	90.31	0.1510	-0.02470
36	930	1700	477.663	0.0412	26.7205	90.00	0.1510	-0.02108
37	930	1715	477.666	0.0412	26.7157	89.88	0.1510	-0.01918
38	930	1730	477.678	0.0413	26.7111	90.10	0.1509	-0.01875
39	930	1745	477.691	0.0411	26.7071	89.64	0.1509	-0.01567
40	930	1800	477.698	0.0411	26.7033	89.68	0.1509	-0.01529
41	930	1815	477.712	0.0411	26.7000	89.57	0.1509	-0.01331
42	930	1830	477.715	0.0412	26.6966	89.66	0.1508	-0.01360
43	930	1845	477.731	0.0411	26.6935	89.48	0.1508	-0.01241
44	930	1900	477.738	0.0410	26.6902	89.28	0.1508	-0.01328
45	930	1915	477.752	0.0410	26.6872	89.17	0.1508	-0.01172
46	930	1930	477.769	0.0410	26.6846	88.98	0.1508	-0.01038

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

RECORD NUMBER - 22 DATE - 9/30 TIME - 13:30

PRESSURES

1 -	26.91270	2 -	26.92230
3 -	26.91480	4 -	26.91850
5 -	26.91900	6 -	26.92270

AVG PRESSURE 26.91773

RTD/S

1	68.683	2	72.013	3	71.207	4	71.276
5	71.585	6	71.532	7	71.900	8	70.688
9	70.448	10	70.544	11	70.722	12	70.965
13	69.400	14	70.676	15	20.477	16	18.987
17	17.539	18	16.436	19	17.612	20	17.849
21	17.321	22	79.442	23	74.853	24	76.281
25	76.213	26	74.293	27	71.913	28	76.101
29	78.945	30	74.449	31	72.065	32	78.122
33	68.182	34	79.270	35	79.524	36	78.768
37	71.187	38	74.001	39	74.339	40	79.205
41	77.068	42	77.129	43	76.752	44	77.077
45	77.496	46	74.447	*INACT	66.529	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 65.277

DEW CELLS

1	49.441	2	49.989	3	50.800	4	14.871
5	16.341	6	49.240	INACT	54.489	INACT	0.000
INACT	14.561	INACT	62.813	INACT	14.561	INACT	62.866
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 45.089

AMBIENT PRESS - 14.5608

VAPOR PRESS - .1479579

DRY PRESSURE - 26.76977

FLOWS - 0 0

TOTAL FLOW 0

*NOTE: "INACT" indicates data collected that is not used in the safety related software calculation to determine containment leakage. This holds true throughout Attachment 4D.

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

RECORD NUMBER - 23 DATE - 9/30 TIME - 13:45

PRESSURES

1	-	26.89140	2	-	26.90080
3	-	26.89340	4	-	26.89730
5	-	26.89760	6	-	26.90130

AVG PRESSURE 26.89636

RTD/S

1	68.042	2	71.437	3	70.470	4	70.570
5	70.837	6	70.848	7	71.207	8	69.929
9	69.923	10	70.041	11	70.059	12	70.443
13	68.610	14	70.205	15	20.614	16	19.051
17	17.528	18	16.520	19	17.603	20	17.829
21	17.312	22	79.100	23	74.328	24	75.841
25	76.052	26	73.886	27	71.453	28	76.058
29	78.710	30	74.407	31	71.828	32	77.673
33	67.903	34	78.776	35	79.310	36	77.855
37	70.983	38	73.756	39	74.350	40	78.952
41	76.965	42	77.004	43	76.273	44	76.534
45	77.286	46	74.367	INACT	68.151	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 64.792

DEW CELLS

1	49.305	2	49.729	3	50.628	4	15.131
5	16.250	6	49.065	INACT	54.084	INACT	0.000
INACT	14.559	INACT	62.934	INACT	14.559	INACT	62.989
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 44.944

AMBIENT PRESS - 14.5591

VAPOR PRESS - .1471471

DRY PRESSURE - 26.74921

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 24 DATE - 9/30 TIME - 14:00

PRESSURES

1	-	26.86830	2	-	26.87730
3	-	26.87020	4	-	26.87360
5	-	26.87450	6	-	26.87770

AVG PRESSURE 26.87301

RTD/S

1	67.552	2	70.754	3	70.041	4	70.121
5	70.345	6	70.388	7	70.725	8	69.460
9	69.431	10	69.699	11	70.048	12	70.036
13	68.418	14	69.863	15	20.614	16	19.188
17	17.601	18	16.562	19	17.592	20	17.818
21	17.289	22	78.488	23	73.910	24	75.144
25	75.741	26	74.271	27	70.959	28	75.318
29	78.580	30	73.837	31	71.517	32	77.328
33	67.658	34	78.400	35	78.730	36	79.090
37	70.597	38	73.262	39	74.757	40	77.753
41	76.270	42	76.908	43	76.219	44	77.189
45	76.517	46	74.183	INACT	68.136	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 64.465

DEW CELLS

1	49.088	2	49.641	3	50.450	4	14.959
5	16.250	6	48.786	INACT	53.827	INACT	0.000
INACT	14.568	INACT	63.106	INACT	14.555	INACT	63.256
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 44.753

AMBIENT PRESS - 14.5553

VAPOR PRESS - .1460771

DRY PRESSURE - 26.72693

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 25 DATE - 9/30 TIME - 14:15

PRESSURES

1 -	26.84950	2 -	26.85840
3 -	26.85150	4 -	26.85470
5 -	26.85580	6 -	26.85870

AVG PRESSURE 26.85418

RTD/S

1	66.931	2	70.294	3	69.466	4	69.449
5	69.673	6	69.908	7	70.064	8	68.884
9	69.101	10	69.197	11	69.195	12	69.587
13	68.193	14	69.513	15	20.645	16	19.210
17	17.665	18	16.604	19	17.592	20	17.807
21	17.301	22	77.982	23	73.557	24	74.596
25	76.213	26	74.271	27	70.520	28	74.342
29	78.388	30	73.430	31	71.185	32	77.006
33	67.410	34	78.078	35	78.344	36	79.110
37	70.276	38	73.005	39	74.661	40	77.217
41	75.671	42	76.747	43	76.081	44	77.060
45	75.938	46	74.045	INACT	69.962	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 64.074

DEW CELLS

1	48.999	2	49.465	3	50.276	4	15.046
5	16.338	6	48.545	INACT	53.649	INACT	0.000
INACT	14.581	INACT	63.275	INACT	14.553	INACT	63.341
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 44.625

AMBIENT PRESS - 14.5527

VAPOR PRESS - .1453678

DRY PRESSURE - 26.70881

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 26 DATE - 9/30 TIME - 14:30

PRESSURES

1	-	26.83670	2	-	26.84590
3	-	26.83930	4	-	26.84200
5	-	26.84280	6	-	26.84590

AVG PRESSURE 26.84154

RTD/S

1	66.505	2	69.932	3	69.209	4	69.288
5	69.320	6	69.555	7	69.680	8	68.489
9	68.824	10	68.983	11	68.873	12	69.268
13	68.012	14	69.287	15	20.782	16	19.283
17	17.676	18	16.657	19	17.623	20	17.818
21	17.301	22	77.725	23	73.298	24	74.362
25	76.106	26	74.121	27	70.252	28	74.042
29	78.182	30	73.269	31	71.024	32	76.749
33	67.229	34	77.799	35	78.129	36	79.143
37	70.072	38	72.844	39	74.522	40	76.971
41	75.392	42	76.597	43	75.920	44	76.791
45	75.649	46	73.960	INACT	66.897	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 63.842

DEW CELLS

1	48.911	2	49.293	3	50.102	4	14.959
5	16.338	6	48.085	INACT	53.424	INACT	0.000
INACT	14.585	INACT	63.382	INACT	14.549	INACT	63.437
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 44.424

AMBIENT PRESS - 14.5494

VAPOR PRESS - .1442596

DRY PRESSURE - 26.69728

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 27 DATE - 9/30 TIME - 14:45

PRESSURES

1	-	26.82640	2	-	26.83540
3	-	26.82840	4	-	26.83180
5	-	26.83290	6	-	26.83580

AVG PRESSURE 26.83116

RTD/S

1	66.240	2	69.707	3	69.006	4	69.096
5	69.041	6	69.299	7	69.412	8	68.190
9	68.663	10	68.717	11	68.670	12	69.065
13	67.863	14	69.126	15	20.804	16	19.316
17	17.707	18	16.699	19	17.612	20	17.818
21	17.289	22	77.598	23	73.030	24	74.147
25	75.913	26	74.003	27	70.017	28	73.783
29	78.044	30	73.086	31	70.908	32	76.546
33	67.099	34	77.606	35	77.979	36	78.864
37	69.869	38	72.717	39	74.393	40	76.821
41	75.211	42	76.469	43	75.770	44	76.545
45	75.424	46	73.864	INACT	66.322	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 63.655

DEW CELLS

1	48.740	2	49.212	3	49.921	4	15.135
5	16.338	6	47.835	INACT	53.288	INACT	0.000
INACT	14.587	INACT	63.458	INACT	14.546	INACT	63.511
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 44.270

AMBIENT PRESS - 14.5461

VAPOR PRESS - .1434121

DRY PRESSURE - 26.68775

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 28 DATE - 9/30 TIME - 15:00

PRESSURES

1	-	26.81820	2	-	26.82640
3	-	26.81950	4	-	26.82310
5	-	26.82370	6	-	26.82700

AVG PRESSURE 26.82245

RTD/S

1	66.003	2	69.450	3	68.805	4	68.786
5	68.818	6	69.118	7	69.220	8	67.998
9	68.491	10	68.545	11	68.511	12	68.893
13	67.905	14	68.957	15	20.740	16	19.423
17	17.803	18	16.699	19	17.623	20	17.818
21	17.301	22	77.403	23	72.731	24	74.040
25	75.913	26	73.864	27	69.823	28	73.645
29	77.905	30	72.990	31	70.789	32	76.374
33	66.950	34	77.423	35	77.849	36	78.960
37	69.686	38	72.641	39	74.286	40	76.640
41	75.061	42	76.329	43	75.620	44	76.333
45	75.254	46	73.830	INACT	65.363	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 63.507

DEW CELLS

1	48.555	2	48.945	3	49.743	4	15.219
5	16.338	6	47.396	INACT	53.151	INACT	0.000
INACT	14.590	INACT	63.543	INACT	14.545	INACT	63.587
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 44.039

AMBIENT PRESS - 14.5447

VAPOR PRESS - .1421522

DRY PRESSURE - 26.6803

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 29 DATE - 9/30 TIME - 15:15

PRESSURES

1	-	26.81000	2	-	26.81860
3	-	26.81190	4	-	26.81540
5	-	26.81600	6	-	26.81930

AVG PRESSURE 26.81458

RTD/S

1	65.800	2	69.312	3	68.664	4	68.681
5	68.646	6	68.926	7	69.039	8	67.784
9	68.333	10	68.353	11	68.467	12	68.670
13	67.651	14	68.807	15	20.899	16	19.348
17	17.814	18	16.752	19	17.645	20	17.813
21	17.305	22	77.283	23	72.726	24	73.928
25	75.802	26	73.784	27	69.680	28	73.491
29	77.847	30	72.901	31	70.666	32	76.240
33	66.881	34	77.300	35	77.706	36	78.645
37	69.608	38	72.498	39	74.185	40	76.521
41	74.920	42	76.232	43	75.513	44	76.130
45	75.124	46	73.756	INACT	64.339	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 63.374

DEW CELLS

1	48.378	2	48.770	3	49.477	4	14.959
5	16.338	6	47.117	INACT	53.020	INACT	0.000
INACT	14.591	INACT	63.608	INACT	14.542	INACT	63.640
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 43.834

AMBIENT PRESS - 14.5419

VAPOR PRESS - .1410446

DRY PRESSURE - 26.67354

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 30 DATE - 9/30 TIME - 15:30

PRESSURES

1	-	26.80340	2	-	26.81190
3	-	26.80510	4	-	26.80860
5	-	26.80900	6	-	26.81230

AVG PRESSURE 26.80784

RTD/S

1	65.669	2	69.138	3	68.448	4	68.493
5	68.514	6	68.803	7	68.948	8	67.641
9	68.275	10	68.275	11	68.281	12	68.536
13	67.602	14	68.718	15	20.842	16	19.458
17	17.862	18	16.779	19	17.649	20	17.807
21	17.301	22	77.168	23	72.516	24	73.837
25	75.612	26	73.681	27	69.546	28	73.441
29	77.648	30	72.798	31	70.564	32	76.094
33	66.735	34	77.134	35	77.592	36	78.649
37	69.452	38	72.415	39	74.093	40	76.340
41	74.847	42	76.116	43	75.405	44	75.957
45	74.974	46	73.669	INACT	65.911	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 63.261

DEW CELLS

1	48.200	2	48.598	3	49.477	4	15.043
5	16.334	6	46.929	INACT	52.881	INACT	0.000
INACT	14.594	INACT	63.672	INACT	14.539	INACT	63.694
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 43.710

AMBIENT PRESS - 14.5393

VAPOR PRESS - .1403768

DRY PRESSURE - 26.66747

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 31 DATE - 9/30 TIME - 15:45

PRESSURES

1	-	26.79670	2	-	26.80550
3	-	26.79900	4	-	26.80220
5	-	26.80260	6	-	26.80600

AVG PRESSURE 26.80140

RTD/S

1	65.519	2	68.966	3	68.329	4	68.301
5	68.365	6	68.665	7	68.767	8	67.502
9	68.136	10	68.125	11	68.208	12	68.397
13	67.559	14	68.600	15	20.862	16	19.522
17	17.904	18	16.821	19	17.649	20	17.807
21	17.301	22	77.072	23	72.443	24	74.190
25	75.600	26	73.585	27	69.417	28	73.323
29	77.507	30	72.722	31	70.468	32	75.987
33	66.671	34	77.047	35	77.485	36	78.703
37	69.322	38	72.373	39	73.986	40	76.244
41	74.739	42	76.020	43	75.298	44	75.797
45	74.858	46	73.616	INACT	65.650	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 63.162

DEW CELLS

1	47.841	2	48.419	3	49.217	4	14.783
5	16.334	6	46.675	INACT	52.836	INACT	0.000
INACT	14.595	INACT	63.726	INACT	14.537	INACT	63.725
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 43.452

AMBIENT PRESS - 14.5373

VAPOR PRESS - .1389933

DRY PRESSURE - 26.66241

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 32 DATE - 9/30 TIME - 16:00

PRESSURES

1	-	26.78060	2	-	26.78890
3	-	26.78240	4	-	26.78600
5	-	26.78650	6	-	26.78970

AVG PRESSURE 26.78506

RTD/S

1	65.397	2	68.821	3	68.153	4	68.210
5	68.262	6	68.520	7	68.718	8	67.366
9	68.011	10	67.927	11	68.074	12	68.585
13	67.832	14	68.519	15	20.877	16	19.580
17	17.931	18	16.816	19	17.656	20	17.796
21	17.301	22	75.977	23	72.700	24	73.825
25	74.432	26	73.661	27	69.171	28	71.898
29	76.487	30	72.369	31	70.264	32	75.022
33	66.434	34	74.774	35	75.008	36	75.581
37	68.840	38	70.647	39	73.546	40	74.927
41	73.703	42	75.805	43	74.529	44	75.240
45	73.853	46	73.328	INACT	62.232	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 62.751

DEW CELLS

1	47.753	2	48.217	3	49.125	4	14.525
5	16.338	6	46.310	INACT	52.704	INACT	0.000
INACT	14.595	INACT	63.768	INACT	14.538	INACT	63.778
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 43.280

AMBIENT PRESS - 14.5378

VAPOR PRESS - .1380825

DRY PRESSURE - 26.64698

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 33 DATE - 9/30 TIME - 16:15

PRESSURES

1	-	26.77260	2	-	26.78130
3	-	26.77470	4	-	26.77810
5	-	26.77840	6	-	26.78180

AVG PRESSURE 26.77723

RTD/S

1	65.301	2	68.736	3	68.088	4	68.071
5	68.166	6	68.435	7	68.557	8	67.239
9	67.958	10	67.938	11	67.967	12	68.348
13	67.809	14	68.454	15	20.930	16	19.549
17	17.931	18	16.869	19	17.676	20	17.807
21	17.301	22	75.494	23	72.624	24	73.589
25	73.853	26	73.650	27	68.923	28	71.255
29	75.758	30	72.059	31	70.081	32	74.550
33	66.253	34	74.260	35	74.116	36	75.214
37	68.262	38	70.102	39	73.182	40	74.393
41	72.910	42	75.526	43	74.004	44	74.717
45	73.531	46	73.071	INACT	60.665	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 62.560

DEW CELLS

1	47.575	2	47.992	3	48.951	4	14.607
5	16.334	6	46.056	INACT	52.478	INACT	0.000
INACT	14.594	INACT	63.811	INACT	14.537	INACT	63.812
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 43.105

AMBIENT PRESS - 14.5375

VAPOR PRESS - .137158

DRY PRESSURE - 26.64008

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 34 DATE - 9/30 TIME - 16:30

PRESSURES

1	-	26.76620	2	-	26.77430
3	-	26.76770	4	-	26.77140
5	-	26.77140	6	-	26.77510

AVG PRESSURE 26.77047

RTD/S

1	65.205	2	68.629	3	68.004	4	67.986
5	68.070	6	68.339	7	68.472	8	67.132
9	67.958	10	67.799	11	67.891	12	68.221
13	68.088	14	68.412	15	20.964	16	19.580
17	17.993	18	16.869	19	17.687	20	17.796
21	17.301	22	75.280	23	72.463	24	73.408
25	73.531	26	73.574	27	68.743	28	71.179
29	75.372	30	71.864	31	69.963	32	74.304
33	66.135	34	73.851	35	73.517	36	75.098
37	67.963	38	69.854	39	72.999	40	74.071
41	72.526	42	75.323	43	73.704	44	74.364
45	73.254	46	72.932	INACT	60.087	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 62.442

DEW CELLS

1	47.319	2	47.723	3	48.692	4	14.701
5	16.334	6	45.711	INACT	52.391	INACT	0.000
INACT	14.594	INACT	63.864	INACT	14.535	INACT	63.843
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 42.862

AMBIENT PRESS - 14.5355

VAPOR PRESS - .135885

DRY PRESSURE - 26.63459

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 35 DATE - 9/30 TIME - 16:45

PRESSURES

1	-	26.75970	2	-	26.76810
3	-	26.76160	4	-	26.76520
5	-	26.76540	6	-	26.76890

AVG PRESSURE 26.76421

RTD/S

1	65.109	2	68.564	3	67.877	4	67.899
5	67.996	6	68.254	7	68.398	8	67.016
9	67.808	10	67.659	11	67.828	12	68.263
13	68.035	14	68.327	15	20.930	16	19.675
17	17.984	18	16.889	19	17.687	20	17.796
21	17.301	22	74.916	23	72.302	24	73.160
25	73.339	26	73.531	27	68.613	28	70.975
29	75.061	30	71.757	31	69.867	32	74.056
33	66.039	34	73.636	35	73.377	36	74.830
37	67.791	38	69.651	39	72.807	40	73.845
41	72.184	42	75.153	43	73.436	44	74.118
45	73.082	46	72.825	INACT	60.484	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 62.335

DEW CELLS

1	47.141	2	47.632	3	48.580	4	14.614
5	16.423	6	45.428	INACT	52.300	INACT	0.000
INACT	14.597	INACT	63.884	INACT	14.532	INACT	63.874
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 42.705

AMBIENT PRESS - 14.5325

VAPOR PRESS - .1350665

DRY PRESSURE - 26.62914

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 36 DATE - 9/30 TIME - 17:00

PRESSURES

1	-	26.75430	2	-	26.76280
3	-	26.75610	4	-	26.75990
5	-	26.75990	6	-	26.76360

AVG PRESSURE 26.75884

RTD/S

1	65.022	2	68.448	3	67.801	4	67.803
5	67.909	6	68.189	7	68.291	8	66.929
9	67.723	10	67.585	11	67.763	12	68.102
13	68.088	14	68.231	15	20.942	16	19.655
17	18.079	18	16.911	19	17.698	20	17.784
21	17.289	22	74.819	23	72.099	24	73.032
25	73.136	26	73.458	27	68.495	28	70.772
29	74.846	30	71.650	31	69.782	32	73.895
33	65.963	34	73.518	35	72.939	36	74.776
37	67.673	38	69.544	39	72.657	40	73.642
41	71.938	42	75.045	43	73.170	44	73.893
45	72.878	46	72.729	INACT	60.674	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 62.240

DEW CELLS

1	46.871	2	47.372	3	48.317	4	14.613
5	16.331	6	45.263	INACT	52.164	INACT	0.000
INACT	14.596	INACT	63.927	INACT	14.531	INACT	63.908
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 42.493

AMBIENT PRESS - 14.531

VAPOR PRESS - .1339691

DRY PRESSURE - 26.62487

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 37 DATE - 9/30 TIME - 17:15

PRESSURES

1	-	26.74980	2	-	26.75780
3	-	26.75150	4	-	26.75500
5	-	26.75510	6	-	26.75870

AVG PRESSURE 26.75408

RTD/S

1	64.948	2	68.363	3	67.758	4	67.730
5	67.824	6	68.104	7	68.227	8	66.833
9	67.659	10	67.596	11	67.688	12	68.071
13	67.896	14	68.187	15	20.888	16	19.761
17	18.015	18	16.942	19	17.707	20	17.784
21	17.289	22	74.679	23	72.076	24	72.999
25	73.091	26	73.393	27	68.399	28	70.634
29	74.643	30	71.554	31	69.729	32	73.768
33	65.867	34	73.314	35	72.744	36	74.615
37	67.535	38	69.416	39	72.443	40	73.483
41	71.713	42	74.938	43	72.933	44	73.658
45	72.729	46	72.633	INACT	64.290	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 62.156

DEW CELLS

1	46.782	2	47.206	3	48.136	4	14.525
5	16.334	6	44.927	INACT	52.124	INACT	0.000
INACT	14.597	INACT	63.960	INACT	14.530	INACT	63.939
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 42.325

AMBIENT PRESS - 14.5303

VAPOR PRESS - .1331037

DRY PRESSURE - 26.62097

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 38 DATE - 9/30 TIME - 17:30

PRESSURES

1	-	26.74470	2	-	26.75320
3	-	26.74670	4	-	26.75040
5	-	26.75050	6	-	26.75420

AVG PRESSURE 26.74931

RTD/S

1	64.868	2	68.249	3	67.656	4	67.658
5	67.764	6	68.013	7	68.124	8	66.741
9	67.609	10	67.471	11	67.607	12	68.076
13	67.890	14	68.117	15	20.999	16	19.755
17	18.073	18	16.958	19	17.702	20	17.784
21	17.289	22	74.498	23	72.014	24	72.903
25	73.017	26	73.370	27	68.303	28	70.547
29	74.459	30	71.489	31	69.675	32	73.638
33	65.825	34	73.368	35	72.563	36	74.475
37	67.481	38	69.309	39	72.282	40	73.334
41	71.478	42	74.853	43	72.741	44	73.475
45	72.590	46	72.557	INACT	64.896	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 62.082

DEW CELLS

1	46.519	2	46.943	3	47.877	4	14.522
5	16.423	6	44.819	INACT	52.032	INACT	0.000
INACT	14.598	INACT	63.991	INACT	14.529	INACT	63.970
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 42.148

AMBIENT PRESS - 14.5286

VAPOR PRESS - .1322

DRY PRESSURE - 26.61711

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 39 DATE - 9/30 TIME - 17:45

PRESSURES

1	-	26.74050	2	-	26.74920
3	-	26.74270	4	-	26.74640
5	-	26.74640	6	-	26.75010

AVG PRESSURE 26.74523

RTD/S

1	64.810	2	68.203	3	67.631	4	67.665
5	67.686	6	67.955	7	68.066	8	66.694
9	67.543	10	67.413	11	67.507	12	67.944
13	68.097	14	68.082	15	21.037	16	19.781
17	18.121	18	17.006	19	17.718	20	17.784
21	17.278	22	74.413	23	71.853	24	72.711
25	72.964	26	73.317	27	68.227	28	70.439
29	74.321	30	71.404	31	69.610	32	73.520
33	65.740	34	73.035	35	72.358	36	74.466
37	67.363	38	69.222	39	72.175	40	73.184
41	71.286	42	74.788	43	72.603	44	73.316
45	72.441	46	72.505	INACT	64.696	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 62.025

DEW CELLS

1	46.433	2	46.771	3	47.693	4	14.434
5	16.331	6	44.634	INACT	51.940	INACT	0.000
INACT	14.597	INACT	64.025	INACT	14.528	INACT	63.993
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 42.011

AMBIENT PRESS - 14.5281

VAPOR PRESS - .1315015

DRY PRESSURE - 26.61373

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 40 DATE - 9/30 TIME - 18:00

PRESSURES

1	-	26.73690	2	-	26.74560
3	-	26.73890	4	-	26.74260
5	-	26.74260	6	-	26.74630

AVG PRESSURE 26.74155

RTD/S

1	64.756	2	68.118	3	67.566	4	67.549
5	67.612	6	67.921	7	68.066	8	66.621
9	67.574	10	67.393	11	67.518	12	67.944
13	67.905	14	68.048	15	21.037	16	19.781
17	18.236	18	16.964	19	17.729	20	17.782
21	17.276	22	74.270	23	71.795	24	72.632
25	72.897	26	73.272	27	68.140	28	70.308
29	74.147	30	71.326	31	69.574	32	73.487
33	65.693	34	73.216	35	72.409	36	74.387
37	67.338	38	69.155	39	72.085	40	73.077
41	71.125	42	74.724	43	72.495	44	73.186
45	72.356	46	72.452	INACT	59.972	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 61.980

DEW CELLS

1	46.167	2	46.510	3	47.519	4	14.258
5	16.423	6	44.648	INACT	51.898	INACT	0.000
INACT	14.598	INACT	64.067	INACT	14.529	INACT	64.024
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 41.873

AMBIENT PRESS - 14.5291

VAPOR PRESS - .1308032

DRY PRESSURE - 26.61075

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 41 DATE - 9/30 TIME - 18:15

PRESSURES

1	-	26.73380	2	-	26.74190
3	-	26.73540	4	-	26.73940
5	-	26.73920	6	-	26.74300

AVG PRESSURE 26.73817

RTD/S

1	64.681	2	68.064	3	67.502	4	67.526
5	67.579	6	67.859	7	67.961	8	66.578
9	67.543	10	67.382	11	67.433	12	67.922
13	67.874	14	68.017	15	21.037	16	19.846
17	18.236	18	17.037	19	17.729	20	17.796
21	17.278	22	74.252	23	71.884	24	72.604
25	72.910	26	73.243	27	68.057	28	70.247
29	74.030	30	71.232	31	69.492	32	73.446
33	65.642	34	73.080	35	72.123	36	74.186
37	67.245	38	69.126	39	71.960	40	72.947
41	71.007	42	74.661	43	72.377	44	73.048
45	72.269	46	72.398	INACT	59.882	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 61.923

DEW CELLS

1	45.996	2	46.335	3	47.345	4	14.437
5	16.334	6	44.464	INACT	51.806	INACT	0.000
INACT	14.598	INACT	64.098	INACT	14.528	INACT	64.046
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 41.719

AMBIENT PRESS - 14.5283

VAPOR PRESS - .1300303

DRY PRESSURE - 26.60814

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 42 DATE - 9/30 TIME - 18:30

PRESSURES

1 -	26.73020	2 -	26.73880
3 -	26.73210	4 -	26.73600
5 -	26.73590	6 -	26.73960

AVG PRESSURE 26.73483

RTD/S

1	64.656	2	68.006	3	67.455	4	67.468
5	67.543	6	67.821	7	67.965	8	66.529
9	67.462	10	67.335	11	67.375	12	67.725
13	68.073	14	67.970	15	21.010	16	19.903
17	18.285	18	17.033	19	17.744	20	17.784
21	17.267	22	74.145	23	71.648	24	72.624
25	72.868	26	73.198	27	67.982	28	70.160
29	73.934	30	71.159	31	69.407	32	73.393
33	65.588	34	72.843	35	71.920	36	74.025
37	67.138	38	69.041	39	71.864	40	72.851
41	70.869	42	74.543	43	72.261	44	72.963
45	72.172	46	72.344	INACT	60.116	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 61.870

DEW CELLS

1	45.637	2	46.075	3	47.167	4	14.522
5	16.334	6	44.464	INACT	51.761	INACT	0.000
INACT	14.599	INACT	64.130	INACT	14.527	INACT	64.077
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 41.547

AMBIENT PRESS - 14.5268

VAPOR PRESS - .1291687

DRY PRESSURE - 26.60566

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 43 DATE - 9/30 TIME - 18:45

PRESSURES

1	-	26.72710	2	-	26.73560
3	-	26.72900	4	-	26.73280
5	-	26.73280	6	-	26.73640

AVG PRESSURE 26.73168

RTD/S

1	64.607	2	67.957	3	67.394	4	67.399
5	67.472	6	67.763	7	67.885	8	66.483
9	67.467	10	67.243	11	67.337	12	67.645
13	67.767	14	67.921	15	21.037	16	19.941
17	18.312	18	17.059	19	17.751	20	17.796
21	17.278	22	74.069	23	71.639	24	72.496
25	72.845	26	73.167	27	67.917	28	70.087
29	73.807	30	71.105	31	69.331	32	73.252
33	65.526	34	72.908	35	71.983	36	73.929
37	67.117	38	68.997	39	71.820	40	72.744
41	70.773	42	74.458	43	72.142	44	72.856
45	72.108	46	72.311	INACT	59.169	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 61.817

DEW CELLS

1	45.552	2	45.987	3	46.904	4	14.437
5	16.334	6	44.213	INACT	51.672	INACT	0.000
INACT	14.600	INACT	64.152	INACT	14.528	INACT	64.100
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 41.397

AMBIENT PRESS - 14.5277

VAPOR PRESS - .1284214

DRY PRESSURE - 26.60325

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 44 DATE - 9/30 TIME - 19:00

PRESSURES

1	-	26.72370	2	-	26.73220
3	-	26.72560	4	-	26.72940
5	-	26.72930	6	-	26.73310

AVG PRESSURE 26.72828

RTD/S

1	64.591	2	67.930	3	67.381	4	67.415
5	67.447	6	67.747	7	67.860	8	66.425
9	67.377	10	67.228	11	67.321	12	67.640
13	67.997	14	67.905	15	21.021	16	20.009
17	18.316	18	17.106	19	17.766	20	17.782
21	17.276	22	73.948	23	71.668	24	72.545
25	72.778	26	73.120	27	67.850	28	70.040
29	73.706	30	71.058	31	69.253	32	73.207
33	65.456	34	72.829	35	71.938	36	73.806
37	67.051	38	68.930	39	71.732	40	72.648
41	70.654	42	74.339	43	72.057	44	72.760
45	72.012	46	72.257	INACT	57.842	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 61.793

DEW CELLS

1	45.368	2	45.805	3	46.728	4	14.086
5	16.423	6	44.118	INACT	51.629	INACT	0.000
INACT	14.598	INACT	64.174	INACT	14.528	INACT	64.111
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 41.258

AMBIENT PRESS - 14.5277

VAPOR PRESS - .127732

DRY PRESSURE - 26.60054

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 45 DATE - 9/30 TIME - 19:15

PRESSURES

1	-	26.72080	2	-	26.72900
3	-	26.72260	4	-	26.72670
5	-	26.72640	6	-	26.73010

AVG PRESSURE 26.72529

RTD/S

1	64.553	2	67.872	3	67.332	4	67.377
5	67.429	6	67.687	7	67.789	8	66.396
9	67.362	10	67.116	11	67.292	12	67.730
13	67.606	14	67.836	15	21.068	16	20.014
17	18.427	18	17.113	19	17.771	20	17.784
21	17.278	22	73.973	23	71.639	24	72.420
25	72.781	26	73.091	27	67.801	28	70.022
29	73.612	30	71.009	31	69.181	32	73.125
33	65.407	34	72.693	35	71.652	36	73.757
37	67.053	38	68.870	39	71.659	40	72.551
41	70.570	42	74.274	43	71.972	44	72.653
45	71.938	46	72.226	INACT	54.657	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 61.736

DEW CELLS

1	45.200	2	45.720	3	46.553	4	14.265
5	16.334	6	43.776	INACT	51.584	INACT	0.000
INACT	14.597	INACT	64.194	INACT	14.527	INACT	64.120
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 41.072

AMBIENT PRESS - 14.5273

VAPOR PRESS - .1268167

DRY PRESSURE - 26.59847

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 46 DATE - 9/30 TIME - 19:30

PRESSURES

1	-	26.71810	2	-	26.72650
3	-	26.71980	4	-	26.72380
5	-	26.72390	6	-	26.72730

AVG PRESSURE 26.72262

RTD/S

1	64.507	2	67.834	3	67.328	4	67.288
5	67.382	6	67.662	7	67.785	8	66.360
9	67.400	10	67.228	11	67.279	12	67.576
13	68.073	14	67.820	15	21.127	16	20.085
17	18.433	18	17.170	19	17.766	20	17.807
21	17.267	22	73.877	23	71.509	24	72.356
25	72.781	26	73.082	27	67.747	28	69.968
29	73.528	30	70.964	31	69.117	32	72.995
33	65.385	34	72.704	35	71.748	36	73.681
37	67.129	38	68.858	39	71.605	40	72.478
41	70.485	42	74.201	43	71.885	44	72.557
45	71.862	46	72.184	INACT	53.072	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 61.728

DEW CELLS

1	45.015	2	45.457	3	46.375	4	14.174
5	16.334	6	43.956	INACT	51.538	INACT	0.000
INACT	14.598	INACT	64.217	INACT	14.526	INACT	64.131
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 40.999

AMBIENT PRESS - 14.5263

VAPOR PRESS - .1264588

DRY PRESSURE - 26.59616

FLOWS - 0 0

TOTAL FLOW 0

********** TOTAL TIME CALCULATION RESULTS **********

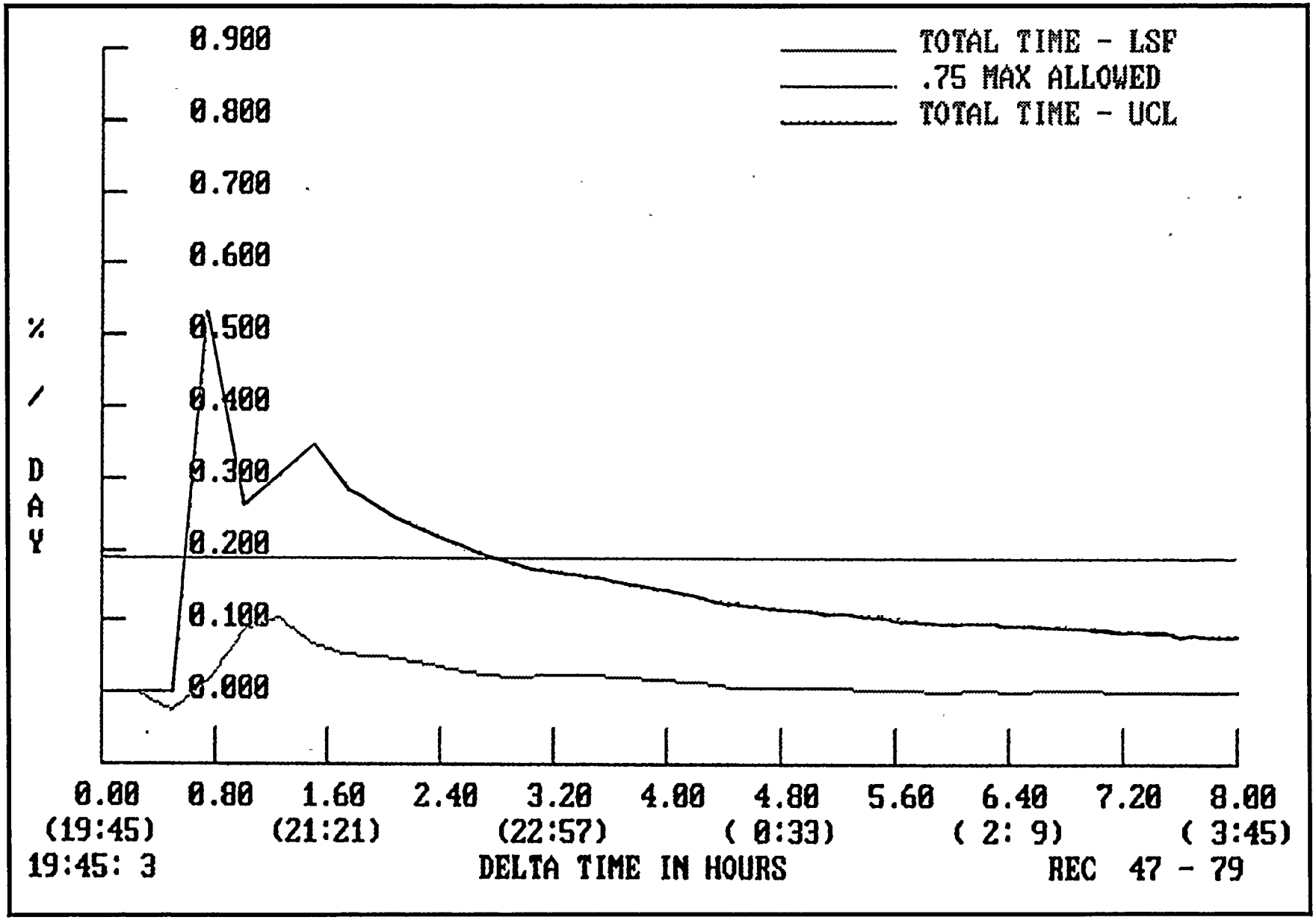
TIME	TEMP	VAPOR PRESS	DEW POINT	CORR. AIR PRESS	LSF LEAK RATE	UPPER CONF LEVEL	MEASURED LEAK RATE
1945	521.338	0.1254	40.790	26.594	0.0000	0.00000	0.00000
2000	521.291	0.1247	40.642	26.592	0.0000	0.00000	-0.16568
2015	521.260	0.1240	40.491	26.590	-0.0248	0.00000	-0.02476
2030	521.219	0.1237	40.425	26.588	0.0154	0.53243	-0.00478
2045	521.198	0.1231	40.314	26.586	0.0859	0.26420	0.08165
2100	521.173	0.1222	40.108	26.585	0.1038	0.30157	0.06491
2115	521.127	0.1217	40.008	26.584	0.0694	0.34902	-0.01346
2130	521.103	0.1207	39.806	26.582	0.0563	0.28867	0.00448
2145	521.083	0.1202	39.702	26.581	0.0525	0.25438	0.01708
2200	521.055	0.1198	39.600	26.580	0.0439	0.23191	0.00253
2215	521.031	0.1191	39.461	26.579	0.0344	0.21045	-0.00632
2230	521.011	0.1185	39.327	26.578	0.0275	0.19127	-0.00569
2245	520.989	0.1182	39.254	26.577	0.0227	0.17577	-0.00407
2300	520.989	0.1179	39.193	26.575	0.0277	0.16933	0.02764
2315	520.953	0.1173	39.065	26.574	0.0259	0.16090	0.00661
2330	520.931	0.1166	38.916	26.573	0.0230	0.15217	0.00056
2345	520.897	0.1165	38.899	26.572	0.0179	0.14313	-0.01110
0	520.887	0.1158	38.730	26.572	0.0142	0.13438	-0.00910
15	520.857	0.1151	38.585	26.571	0.0082	0.12585	-0.02291
30	520.855	0.1151	38.580	26.570	0.0081	0.11996	0.00178
45	520.840	0.1143	38.417	26.569	0.0077	0.11569	0.00068
100	520.817	0.1139	38.317	26.568	0.0062	0.11091	-0.00601
115	520.805	0.1135	38.226	26.567	0.0058	0.10711	-0.00081
130	520.774	0.1131	38.145	26.566	0.0031	0.10223	-0.01479
145	520.774	0.1127	38.042	26.566	0.0025	0.09853	-0.00411
200	520.762	0.1126	38.014	26.565	0.0027	0.09611	0.00087
215	520.744	0.1121	37.900	26.564	0.0023	0.09338	-0.00304
230	520.752	0.1118	37.833	26.564	0.0037	0.09258	0.00936
245	520.717	0.1114	37.748	26.563	0.0028	0.08976	-0.00613
300	520.705	0.1106	37.561	26.563	0.0009	0.08636	-0.01465
315	520.706	0.1104	37.513	26.563	0.0003	0.08378	-0.00586
330	520.696	0.1101	37.449	26.562	-0.0002	0.08156	-0.00585
345	520.687	0.1097	37.356	26.562	-0.0010	0.07921	-0.00876

MEASURED LEAK RATE USING TOTAL TIME: -0.001046

THE MEAN TOTAL TIME RATE OF -0.003047
IS LESS THAN ALLOWABLE MAXIMUM RATE OF .25

TOTAL TIME - TYPE A TEST

D.C. COOK - Unit 1, September 30 - October 1, 1992



Attachment 5B

********** MASS POINT **********

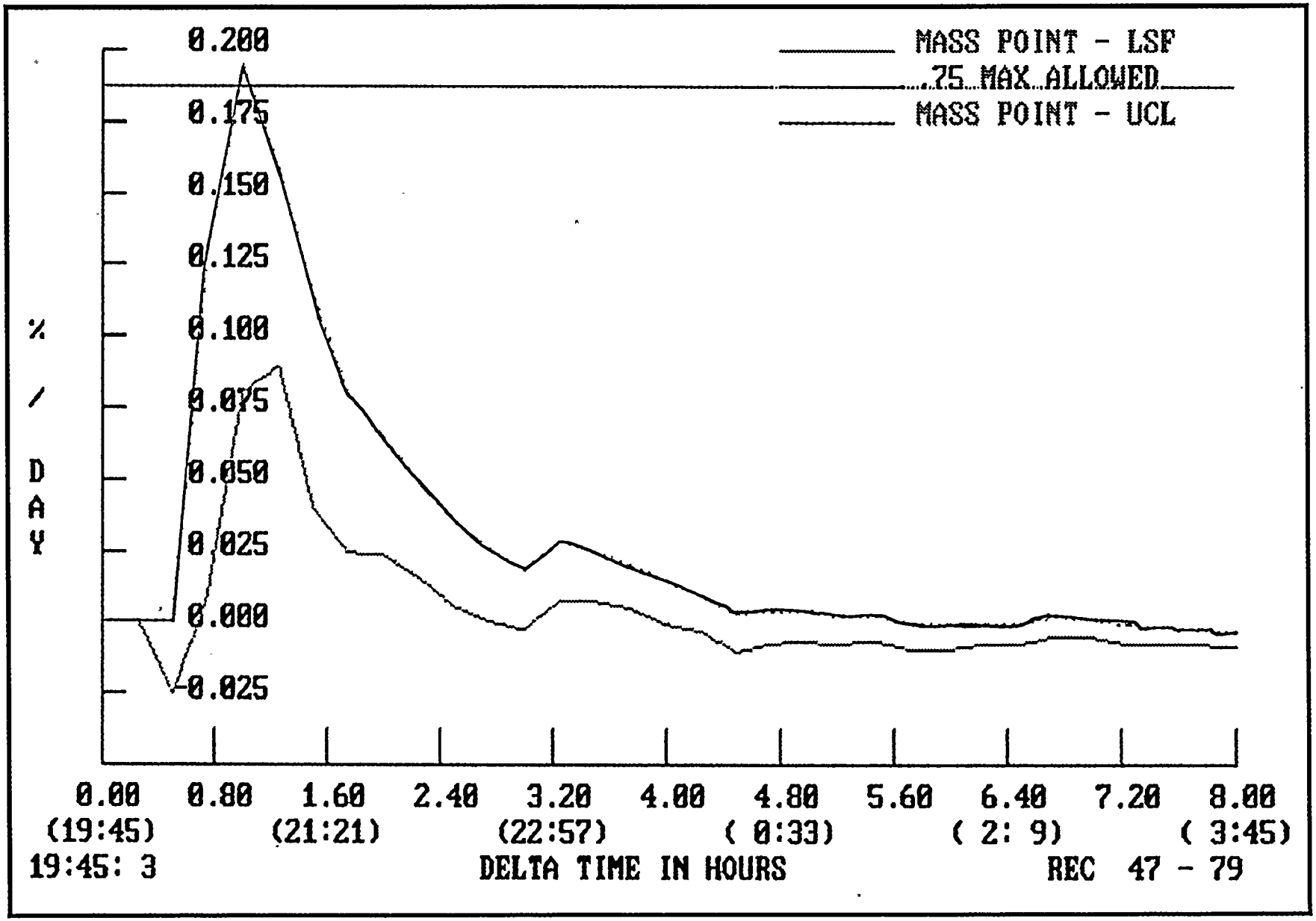
TIME	TEMP	VAPOR PRESS	DEW POINT	CORR. AIR PRESS	CONT AIR MASS	LSF LEAK RATE	UPPER CONF LEVEL
1945	521.338	0.1254	40.790	26.594	1.00000000	0.00000	0.00000
2000	521.291	0.1247	40.642	26.592	1.00001729	0.00000	0.00000
2015	521.260	0.1240	40.491	26.590	1.00000513	-0.02464	0.00000
2030	521.219	0.1237	40.425	26.588	1.00000155	0.00720	0.12746
2045	521.198	0.1231	40.314	26.586	0.99996603	0.08037	0.19427
2100	521.173	0.1222	40.108	26.585	0.99996620	0.08951	0.15792
2115	521.127	0.1217	40.008	26.584	1.00000846	0.03974	0.11353
2130	521.103	0.1207	39.806	26.582	0.99999678	0.02503	0.08058
2145	521.083	0.1202	39.702	26.581	0.99998575	0.02356	0.06554
2200	521.055	0.1198	39.600	26.580	0.99999768	0.01527	0.04932
2215	521.031	0.1191	39.461	26.579	1.00000656	0.00619	0.03523
2230	521.011	0.1185	39.327	26.578	1.00000656	0.00071	0.02528
2245	520.989	0.1182	39.254	26.577	1.00000513	-0.00217	0.01862
2300	520.989	0.1179	39.193	26.575	0.99996263	0.00773	0.02814
2315	520.953	0.1173	39.065	26.574	0.99999034	0.00733	0.02489
2330	520.931	0.1166	38.916	26.573	0.99999911	0.00504	0.02049
2345	520.897	0.1165	38.899	26.572	1.00001860	-0.00030	0.01430
0	520.887	0.1158	38.730	26.572	1.00001609	-0.00362	0.00973
15	520.857	0.1151	38.585	26.571	1.00004303	-0.01002	0.00350
30	520.855	0.1151	38.580	26.570	0.99999648	-0.00816	0.00411
45	520.840	0.1143	38.417	26.569	0.99999863	-0.00694	0.00419
100	520.817	0.1139	38.317	26.568	1.00001311	-0.00759	0.00252
115	520.805	0.1135	38.226	26.567	1.00000191	-0.00684	0.00240
130	520.774	0.1131	38.145	26.566	1.00003552	-0.00941	-0.00059
145	520.774	0.1127	38.042	26.566	1.00001025	-0.00909	-0.00098
200	520.762	0.1126	38.014	26.565	0.99999774	-0.00774	-0.00014
215	520.744	0.1121	37.900	26.564	1.00000823	-0.00740	-0.00037
230	520.752	0.1118	37.833	26.564	0.99997371	-0.00463	0.00244
245	520.717	0.1114	37.748	26.563	1.00001788	-0.00528	0.00132
300	520.705	0.1106	37.561	26.563	1.00004423	-0.00741	-0.00091
315	520.706	0.1104	37.513	26.563	1.00001836	-0.00760	-0.00153
330	520.696	0.1101	37.449	26.562	1.00001895	-0.00776	-0.00207
345	520.687	0.1097	37.356	26.562	1.00002921	-0.00837	-0.00299

MAX ALLOWABLE LEAK RATE : .25
75% OF MAX ALLOWABLE LEAK RATE .1875
EPRI EQUATION #6 IS SATISFIED.*
EPRI EQUATION #7 IS SATISFIED *

* From EPRI study - EPRI-NP-3400, December 1983

MASS POINT - TYPE A TEST

D.C. COOK - Unit 1, September 30 - October 1, 1992



Attachment 5D

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********** MASS POINT **********

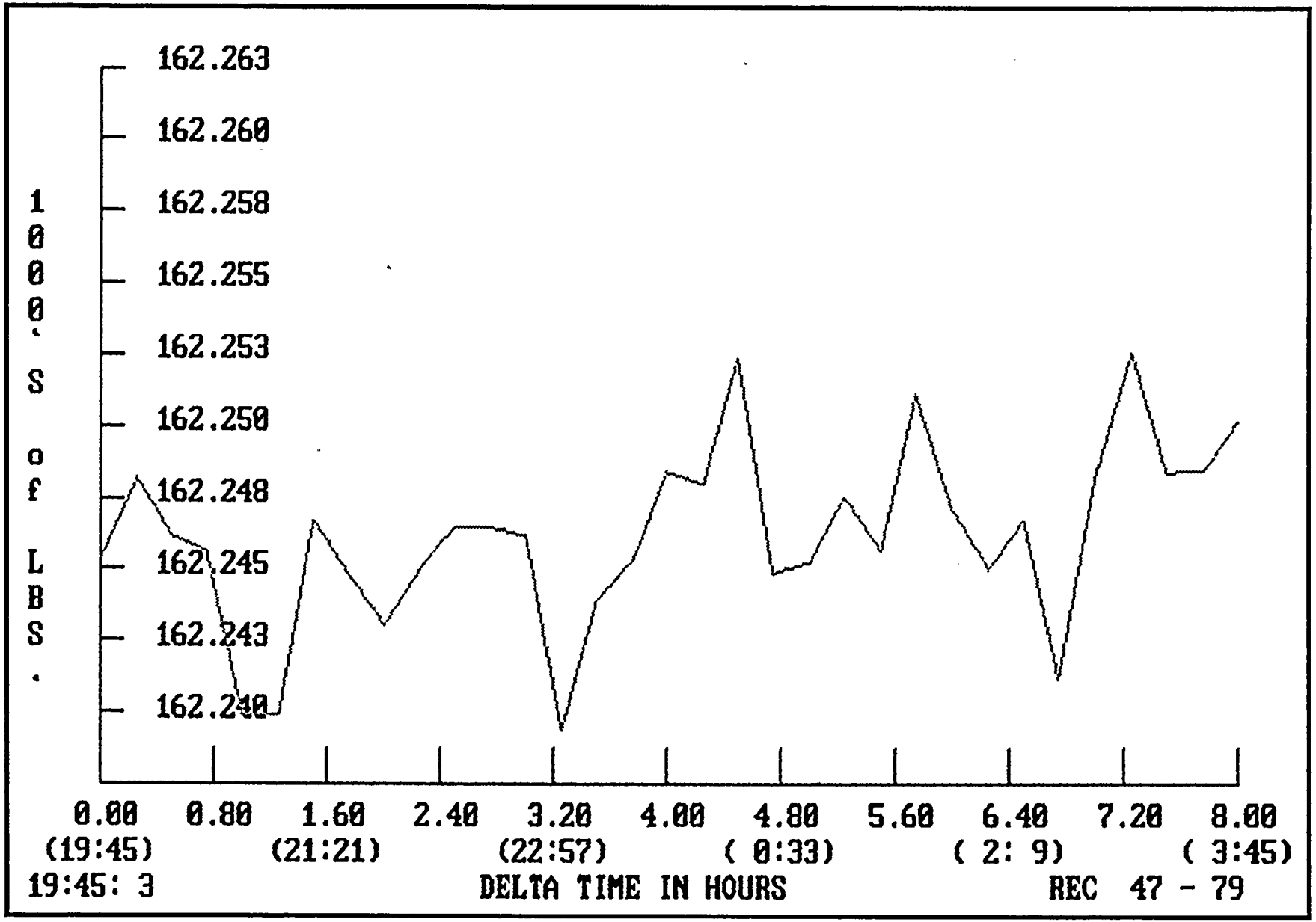
TIME	TEMP	VAPOR PRESS	DEW POINT	CORR. AIR PRESS	CONT AIR MASS	LSF LEAK RATE	UPPER CONF LEVEL
1945	521.338	0.1254	40.790	26.594	1.00000000	0.00000	0.00000
2000	521.291	0.1247	40.642	26.592	1.00001729	0.00000	0.00000
2015	521.260	0.1240	40.491	26.590	1.00000513	-0.02464	0.00000
2030	521.219	0.1237	40.425	26.588	1.00000155	0.00720	0.12746
2045	521.198	0.1231	40.314	26.586	0.99996603	0.08037	0.19427
2100	521.173	0.1222	40.108	26.585	0.99996620	0.08951	0.15792
2115	521.127	0.1217	40.008	26.584	1.00000846	0.03974	0.11353
2130	521.103	0.1207	39.806	26.582	0.99999678	0.02503	0.08058
2145	521.083	0.1202	39.702	26.581	0.99998575	0.02356	0.06554
2200	521.055	0.1198	39.600	26.580	0.99999768	0.01527	0.04932
2215	521.031	0.1191	39.461	26.579	1.00000656	0.00619	0.03523
2230	521.011	0.1185	39.327	26.578	1.00000656	0.00071	0.02528
2245	520.989	0.1182	39.254	26.577	1.00000513	-0.00217	0.01862
2300	520.989	0.1179	39.193	26.575	0.99996263	0.00773	0.02814
2315	520.953	0.1173	39.065	26.574	0.99999034	0.00733	0.02489
2330	520.931	0.1166	38.916	26.573	0.99999911	0.00504	0.02049
2345	520.897	0.1165	38.899	26.572	1.00001860	-0.00030	0.01430
0	520.887	0.1158	38.730	26.572	1.00001609	-0.00362	0.00973
15	520.857	0.1151	38.585	26.571	1.00004303	-0.01002	0.00350
30	520.855	0.1151	38.580	26.570	0.99999648	-0.00816	0.00411
45	520.840	0.1143	38.417	26.569	0.99999863	-0.00694	0.00419
100	520.817	0.1139	38.317	26.568	1.00001311	-0.00759	0.00252
115	520.805	0.1135	38.226	26.567	1.00000191	-0.00684	0.00240
130	520.774	0.1131	38.145	26.566	1.00003552	-0.00941	-0.00059
145	520.774	0.1127	38.042	26.566	1.00001025	-0.00909	-0.00098
200	520.762	0.1126	38.014	26.565	0.99999774	-0.00774	-0.00014
215	520.744	0.1121	37.900	26.564	1.00000823	-0.00740	-0.00037
230	520.752	0.1118	37.833	26.564	0.99997371	-0.00463	0.00244
245	520.717	0.1114	37.748	26.563	1.00001788	-0.00528	0.00132
300	520.705	0.1106	37.561	26.563	1.00004423	-0.00741	-0.00091
315	520.706	0.1104	37.513	26.563	1.00001836	-0.00760	-0.00153
330	520.696	0.1101	37.449	26.562	1.00001895	-0.00776	-0.00207
345	520.687	0.1097	37.356	26.562	1.00002921	-0.00837	-0.00299

MAX ALLOWABLE LEAK RATE : .25
75% OF MAX ALLOWABLE LEAK RATE .1875
EPRI EQUATION #6 IS SATISFIED.*
EPRI EQUATION #7 IS SATISFIED *

* From EPRI study - EPRI-NP-3400, December 1983

MEASURED MASS - TYPE A TEST

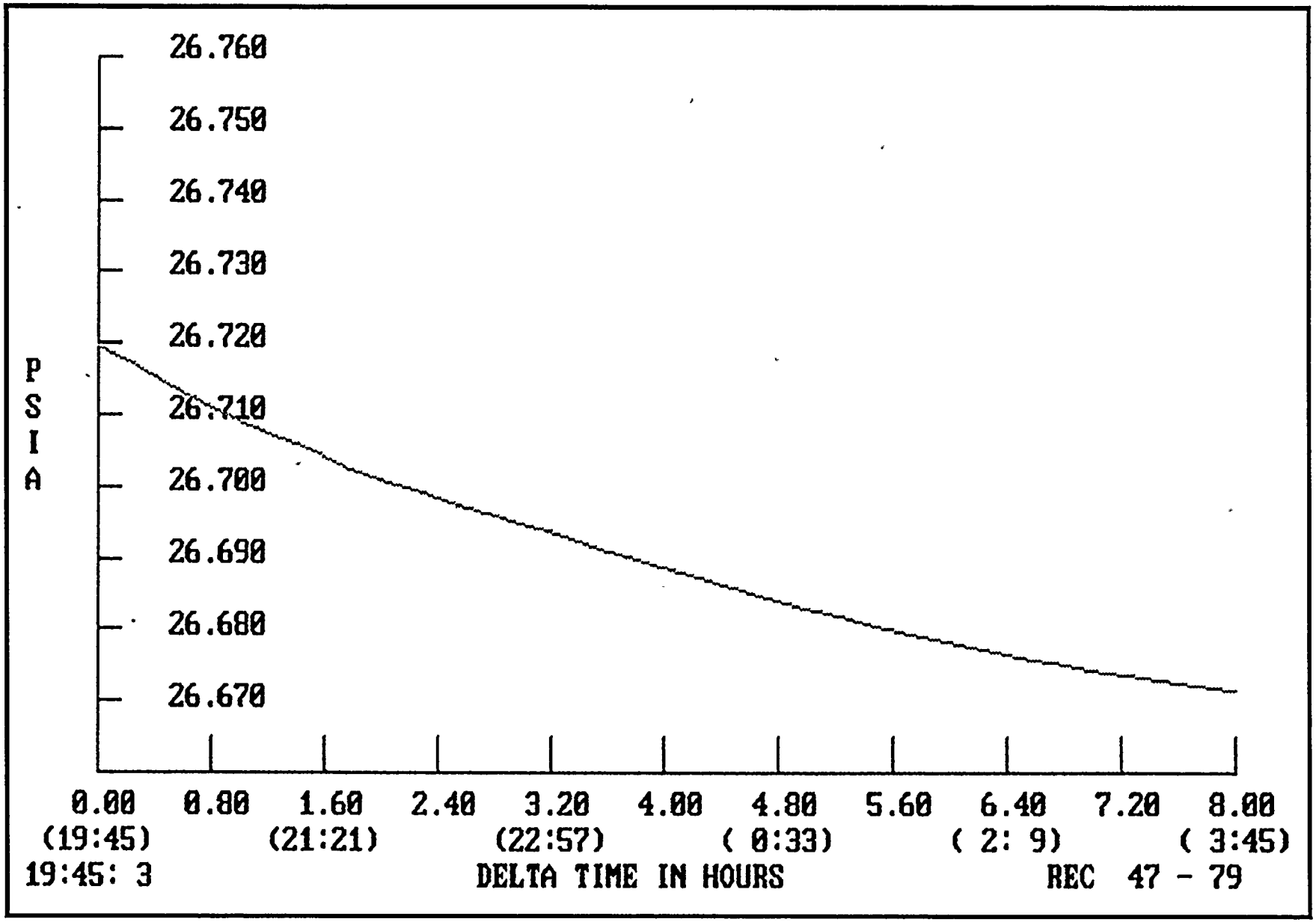
D.C. COOK - Unit 1, September 30 - October 1, 1992



Attachment 5F

AVERAGE PRESSURE - TYPE A TEST

D.C. COOK - Unit 1, September 30 - October 1, 1992

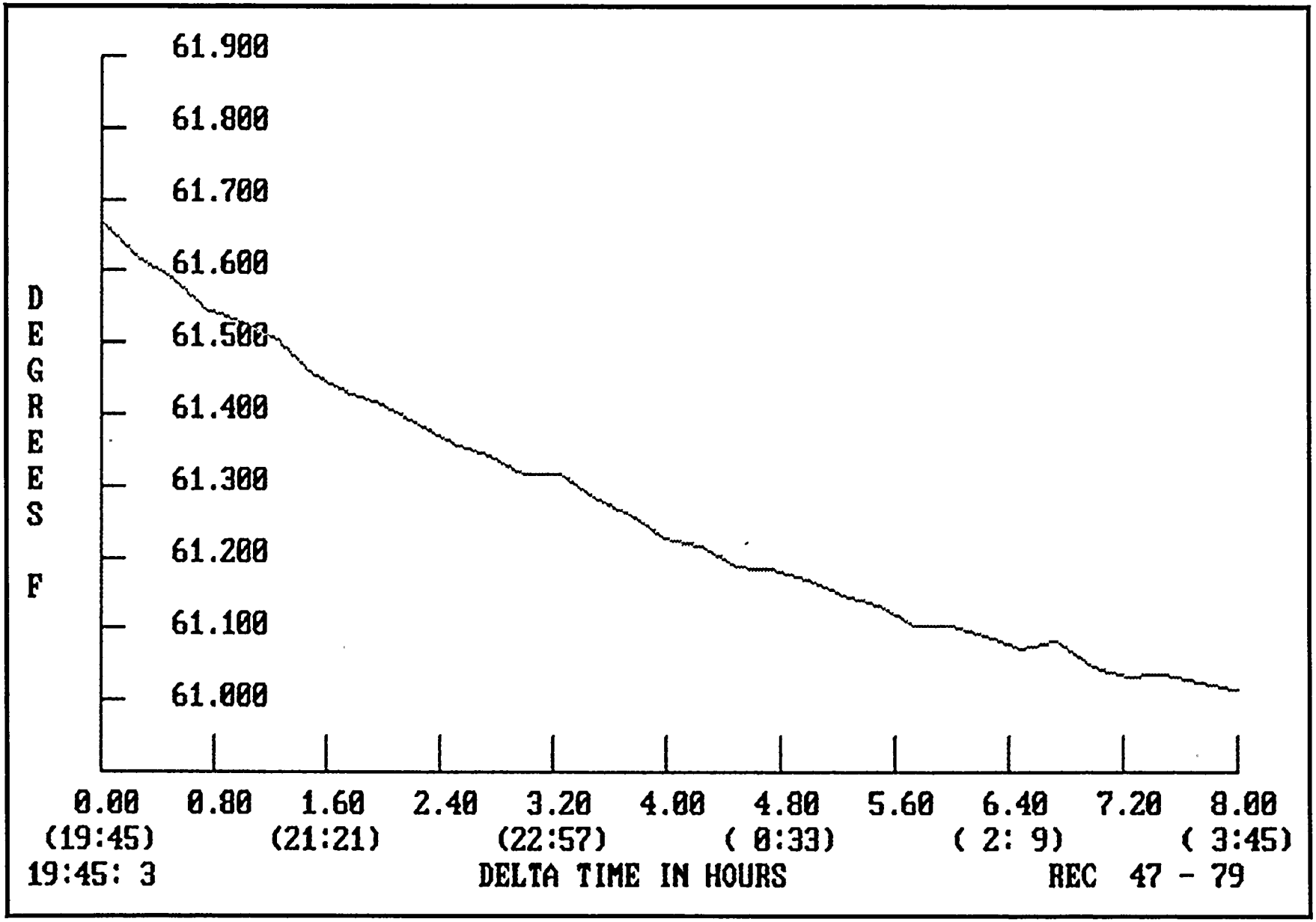


Attachment 5G

[illegible]

AVERAGE TEMPERATURE - TYPE A TEST

D.C. COOK - Unit 1, September 30 - October 1, 1992

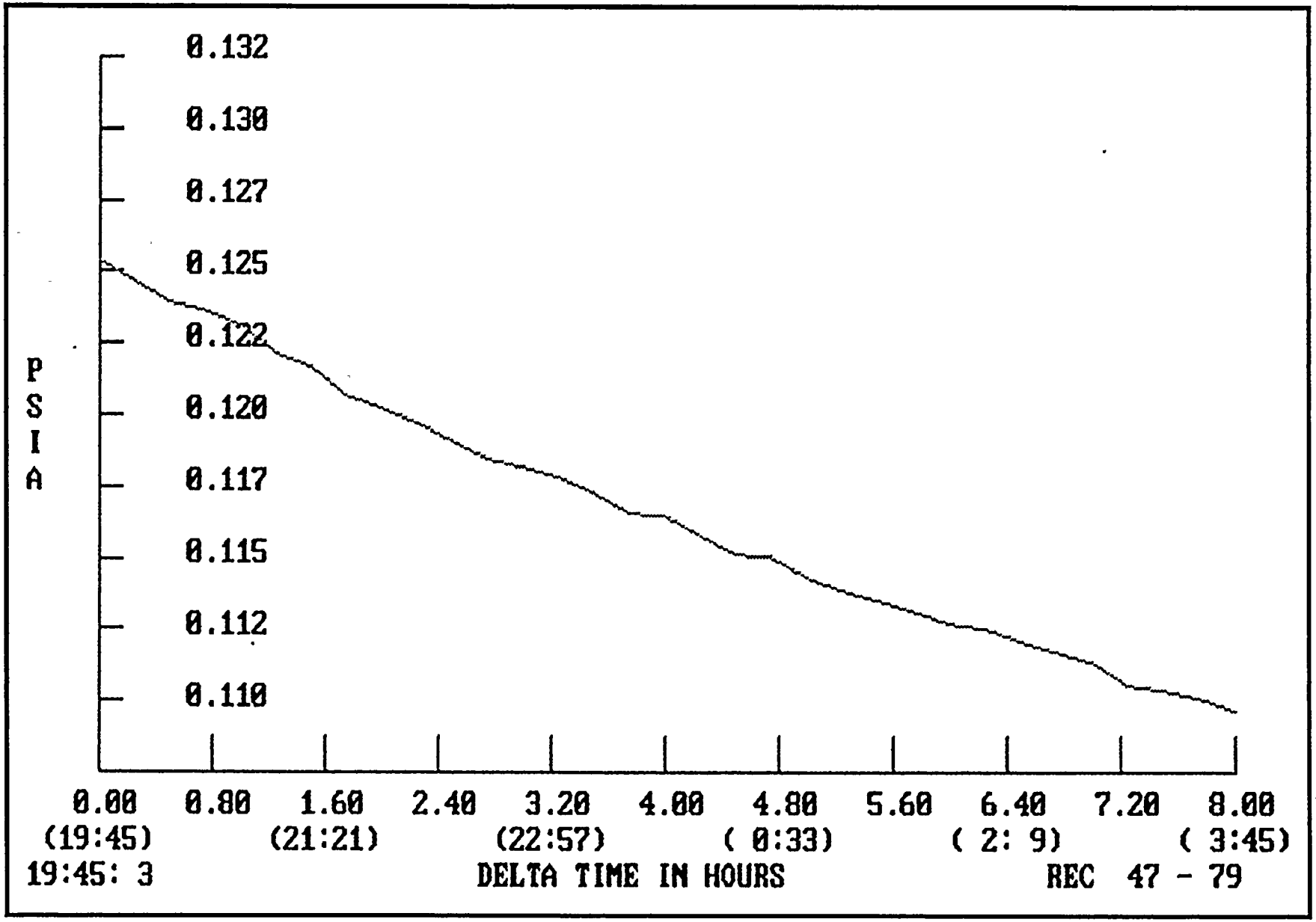


Attachment 5H

[illegible]

AVERAGE VAPOR PRESSURE - TYPE A TEST

D.C. COOK - Unit 1, September 30 - October 1, 1992



Attachment 5I

********** ENVIRONMENT LISTING **********

REC NUM	DATE	TIME	TEMP	VAPOR PRESSURE	CORRECT. PRESSURE	RELATIVE HUMIDITY	AIR DENSITY	PSIA/HR VARIANC
47	930	1945	521.338	0.1254	26.5943	46.15	0.1377	0.00000
48	930	2000	521.291	0.1247	26.5923	45.96	0.1377	-0.00787
49	930	2015	521.260	0.1240	26.5904	45.74	0.1377	-0.00762
50	930	2030	521.219	0.1237	26.5882	45.69	0.1377	-0.00876
51	930	2045	521.198	0.1231	26.5862	45.53	0.1377	-0.00797
52	930	2100	521.173	0.1222	26.5850	45.21	0.1377	-0.00502
53	930	2115	521.127	0.1217	26.5837	45.10	0.1377	-0.00499
54	930	2130	521.103	0.1207	26.5822	44.79	0.1377	-0.00611
55	930	2145	521.083	0.1202	26.5809	44.64	0.1377	-0.00536
56	930	2200	521.055	0.1198	26.5798	44.51	0.1377	-0.00441
57	930	2215	521.031	0.1191	26.5788	44.30	0.1377	-0.00401
58	930	2230	521.011	0.1185	26.5778	44.10	0.1377	-0.00392
59	930	2245	520.989	0.1182	26.5766	44.01	0.1377	-0.00473
60	930	2300	520.989	0.1179	26.5755	43.91	0.1377	-0.00456
61	930	2315	520.953	0.1173	26.5744	43.74	0.1377	-0.00422
62	930	2330	520.931	0.1166	26.5735	43.52	0.1377	-0.00374
63	930	2345	520.897	0.1165	26.5722	43.55	0.1377	-0.00489
65	1001	15	520.857	0.1151	26.5709	43.08	0.1377	-0.00321
66	1001	30	520.855	0.1151	26.5695	43.07	0.1377	-0.00537
67	1001	45	520.840	0.1143	26.5688	42.82	0.1377	-0.00285
68	1001	100	520.817	0.1139	26.5681	42.69	0.1377	-0.00306
69	1001	115	520.805	0.1135	26.5672	42.55	0.1377	-0.00362
70	1001	130	520.774	0.1131	26.5665	42.46	0.1377	-0.00275
71	1001	145	520.774	0.1127	26.5658	42.29	0.1377	-0.00286
72	1001	200	520.762	0.1126	26.5648	42.26	0.1377	-0.00372
73	1001	215	520.744	0.1121	26.5642	42.10	0.1377	-0.00254
74	1001	230	520.752	0.1118	26.5637	41.98	0.1377	-0.00209
75	1001	245	520.717	0.1114	26.5631	41.89	0.1377	-0.00229
76	1001	300	520.705	0.1106	26.5631	41.60	0.1377	0.00016
77	1001	315	520.706	0.1104	26.5625	41.52	0.1377	-0.00240
78	1001	330	520.696	0.1101	26.5620	41.43	0.1377	-0.00209
79	1001	345	520.687	0.1097	26.5618	41.29	0.1377	-0.00076

********** ENVIRONMENT LISTING ZONE - 1 **********

REC NUM	DATE	TIME	TEMP	VAPOR PRESSURE	CORRECT. PRESSURE	RELATIVE HUMIDITY	AIR DENSITY	PSIA/HR VARIANCE
47	930	1945	526.897	0.1490	26.5703	45.13	0.1361	0.00000
48	930	2000	526.839	0.1481	26.5687	44.94	0.1361	-0.00652
49	930	2015	526.821	0.1468	26.5672	44.60	0.1361	-0.00587
50	930	2030	526.769	0.1464	26.5652	44.54	0.1361	-0.00803
51	930	2045	526.775	0.1454	26.5636	44.23	0.1361	-0.00644
52	930	2100	526.744	0.1441	26.5626	43.90	0.1361	-0.00402
53	930	2115	526.697	0.1435	26.5618	43.76	0.1361	-0.00304
54	930	2130	526.667	0.1428	26.5598	43.61	0.1361	-0.00816
55	930	2145	526.642	0.1417	26.5590	43.32	0.1361	-0.00342
56	930	2200	526.608	0.1410	26.5582	43.15	0.1361	-0.00306
57	930	2215	526.588	0.1403	26.5572	42.97	0.1361	-0.00386
58	930	2230	526.571	0.1393	26.5566	42.69	0.1361	-0.00242
59	930	2245	526.551	0.1389	26.5555	42.59	0.1361	-0.00435
60	930	2300	526.553	0.1382	26.5549	42.36	0.1361	-0.00261
61	930	2315	526.517	0.1372	26.5542	42.11	0.1361	-0.00280
62	930	2330	526.495	0.1366	26.5532	41.96	0.1361	-0.00406
63	930	2345	526.462	0.1361	26.5523	41.86	0.1361	-0.00333
65	1001	15	526.419	0.1345	26.5512	41.42	0.1361	-0.00198
66	1001	30	526.425	0.1342	26.5500	41.33	0.1361	-0.00448
67	1001	45	526.415	0.1331	26.5497	41.01	0.1361	-0.00152
68	1001	100	526.389	0.1327	26.5489	40.93	0.1361	-0.00303
69	1001	115	526.378	0.1321	26.5481	40.75	0.1361	-0.00304
70	1001	130	526.345	0.1316	26.5477	40.63	0.1361	-0.00166
71	1001	145	526.336	0.1311	26.5470	40.50	0.1361	-0.00278
72	1001	200	526.329	0.1305	26.5465	40.33	0.1361	-0.00210
73	1001	215	526.310	0.1300	26.5459	40.20	0.1361	-0.00236
74	1001	230	526.309	0.1294	26.5457	40.01	0.1361	-0.00073
75	1001	245	526.275	0.1288	26.5454	39.86	0.1361	-0.00127
76	1001	300	526.257	0.1282	26.5453	39.71	0.1361	-0.00056
77	1001	315	526.267	0.1276	26.5451	39.51	0.1361	-0.00076
78	1001	330	526.256	0.1272	26.5447	39.39	0.1361	-0.00143
79	1001	345	526.253	0.1263	26.5451	39.11	0.1362	0.00146

********** ENVIRONMENT LISTING ZONE - 2 **********

REC NUM	DATE	TIME	TEMP	VAPOR PRESSURE	CORRECT. PRESSURE	RELATIVE HUMIDITY	AIR DENSITY	PSIA/HR VARIANCE
47	930	1945	531.196	0.1397	26.5794	36.54	0.1351	0.00000
48	930	2000	531.139	0.1387	26.5775	36.35	0.1351	-0.00773
49	930	2015	531.062	0.1383	26.5754	36.32	0.1351	-0.00819
50	930	2030	531.014	0.1379	26.5732	36.28	0.1351	-0.00880
51	930	2045	530.918	0.1379	26.5708	36.40	0.1351	-0.00967
52	930	2100	530.895	0.1365	26.5699	36.07	0.1351	-0.00359
53	930	2115	530.812	0.1361	26.5683	36.06	0.1351	-0.00668
54	930	2130	530.787	0.1336	26.5686	35.44	0.1351	0.00121
55	930	2145	530.757	0.1336	26.5668	35.47	0.1351	-0.00691
56	930	2200	530.727	0.1334	26.5654	35.44	0.1351	-0.00579
57	930	2215	530.673	0.1323	26.5648	35.22	0.1351	-0.00235
58	930	2230	530.627	0.1319	26.5636	35.17	0.1351	-0.00466
59	930	2245	530.582	0.1314	26.5625	35.09	0.1351	-0.00439
60	930	2300	530.569	0.1318	26.5607	35.21	0.1351	-0.00710
61	930	2315	530.514	0.1315	26.5594	35.20	0.1351	-0.00523
62	930	2330	530.469	0.1297	26.5596	34.77	0.1351	0.00078
63	930	2345	530.406	0.1305	26.5576	35.05	0.1351	-0.00832
65	1001	15	530.343	0.1283	26.5569	34.54	0.1352	-0.00369
66	1001	30	530.316	0.1288	26.5551	34.71	0.1352	-0.00744
67	1001	45	530.275	0.1279	26.5546	34.52	0.1352	-0.00206
68	1001	100	530.241	0.1267	26.5545	34.22	0.1352	-0.00009
69	1001	115	530.218	0.1266	26.5534	34.22	0.1352	-0.00446
70	1001	130	530.171	0.1262	26.5527	34.17	0.1352	-0.00300
71	1001	145	530.178	0.1253	26.5523	33.93	0.1352	-0.00161
72	1001	200	530.145	0.1262	26.5504	34.21	0.1352	-0.00738
73	1001	215	530.112	0.1249	26.5505	33.89	0.1352	0.00045
74	1001	230	530.135	0.1253	26.5493	33.96	0.1352	-0.00486
75	1001	245	530.078	0.1248	26.5489	33.91	0.1352	-0.00177
76	1001	300	530.064	0.1229	26.5500	33.39	0.1352	0.00437
77	1001	315	530.041	0.1233	26.5487	33.53	0.1352	-0.00500
78	1001	330	530.020	0.1229	26.5483	33.45	0.1352	-0.00168
79	1001	345	529.990	0.1233	26.5473	33.59	0.1352	-0.00392

********** ENVIRONMENT LISTING ZONE - 3 **********

REC NUM	DATE	TIME	TEMP	VAPOR PRESSURE	CORRECT. PRESSURE	RELATIVE HUMIDITY	AIR DENSITY	PSIA/HR VARIANCE
47	930	1945	477.765	0.0410	26.6817	89.00	0.1507	0.00000
48	930	2000	477.780	0.0410	26.6790	88.93	0.1507	-0.01100
49	930	2015	477.782	0.0410	26.6763	89.03	0.1507	-0.01060
50	930	2030	477.802	0.0410	26.6738	89.00	0.1507	-0.01031
51	930	2045	477.815	0.0410	26.6714	88.78	0.1507	-0.00951
52	930	2100	477.815	0.0409	26.6692	88.67	0.1507	-0.00857
53	930	2115	477.839	0.0409	26.6671	88.47	0.1506	-0.00843
54	930	2130	477.848	0.0408	26.6650	88.32	0.1506	-0.00840
55	930	2145	477.864	0.0410	26.6632	88.61	0.1506	-0.00747
56	930	2200	477.869	0.0409	26.6616	88.34	0.1506	-0.00632
57	930	2215	477.882	0.0407	26.6601	88.04	0.1506	-0.00617
58	930	2230	477.902	0.0407	26.6584	87.86	0.1506	-0.00661
59	930	2245	477.913	0.0407	26.6569	87.82	0.1506	-0.00582
60	930	2300	477.928	0.0407	26.6554	87.85	0.1505	-0.00637
61	930	2315	477.936	0.0408	26.6538	87.83	0.1505	-0.00603
62	930	2330	477.952	0.0409	26.6520	88.14	0.1505	-0.00750
63	930	2345	477.971	0.0409	26.6507	87.90	0.1505	-0.00491
65	1001	15	477.993	0.0407	26.6482	87.47	0.1505	-0.00537
66	1001	30	478.004	0.0407	26.6469	87.43	0.1505	-0.00501
67	1001	45	478.018	0.0408	26.6453	87.64	0.1505	-0.00650
68	1001	100	478.030	0.0411	26.6437	88.07	0.1504	-0.00611
69	1001	115	478.039	0.0409	26.6428	87.67	0.1504	-0.00391
70	1001	130	478.048	0.0409	26.6415	87.73	0.1504	-0.00520
71	1001	145	478.068	0.0409	26.6404	87.54	0.1504	-0.00440
72	1001	200	478.076	0.0407	26.6395	87.22	0.1504	-0.00367
73	1001	215	478.090	0.0410	26.6380	87.77	0.1504	-0.00573
74	1001	230	478.107	0.0408	26.6374	87.25	0.1504	-0.00258
75	1001	245	478.120	0.0411	26.6361	87.70	0.1504	-0.00492
76	1001	300	478.127	0.0409	26.6354	87.29	0.1504	-0.00309
77	1001	315	478.141	0.0409	26.6345	87.34	0.1504	-0.00340
78	1001	330	478.155	0.0411	26.6336	87.65	0.1503	-0.00369
79	1001	345	478.161	0.0411	26.6329	87.51	0.1503	-0.00299

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

RECORD NUMBER - 47 DATE - 9/30 TIME - 19:45

PRESSURES

1	-	26.71500	2	-	26.72360
3	-	26.71730	4	-	26.72100
5	-	26.72090	6	-	26.72450

AVG PRESSURE 26.71972

RTD/S

1	64.478	2	67.776	3	67.278	4	67.281
5	67.344	6	67.624	7	67.715	8	66.333
9	67.297	10	67.083	11	67.176	12	67.611
13	68.077	14	67.803	15	21.121	16	20.067
17	18.471	18	17.155	19	17.760	20	17.796
21	17.267	22	73.693	23	71.284	24	72.378
25	72.631	26	73.060	27	67.694	28	69.904
29	73.440	30	70.922	31	69.052	32	72.888
33	65.320	34	72.456	35	71.534	36	73.542
37	67.042	38	68.805	39	71.531	40	72.382
41	70.398	42	74.082	43	71.800	44	72.469
45	71.788	46	72.119	INACT	52.119	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 61.668

DEW CELLS

1	44.844	2	45.197	3	46.194	4	14.177
5	16.331	6	43.591	INACT	51.492	INACT	0.000
INACT	14.598	INACT	64.228	INACT	14.525	INACT	64.153
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 40.790

AMBIENT PRESS - 14.5245

VAPOR PRESS - .125434

DRY PRESSURE - 26.59429

FLOWS - 0 0

TOTAL FLOW 0

*NOTE: "INACT" indicates data collected that is not used in the safety related software calculation to determine containment leakage. This holds true throughout Attachment 5K.

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

RECORD NUMBER - 48 DATE - 9/30 TIME - 20:00

PRESSURES

1	-	26.71260	2	-	26.72090
3	-	26.71420	4	-	26.71820
5	-	26.71810	6	-	26.72180

AVG PRESSURE 26.71704

RTD/S

1	64.431	2	67.749	3	67.232	4	67.256
5	67.297	6	67.609	7	67.700	8	66.295
9	67.293	10	67.047	11	67.172	12	67.480
13	67.582	14	67.767	15	21.116	16	20.147
17	18.540	18	17.212	19	17.786	20	17.784
21	17.259	22	73.671	23	71.348	24	72.175
25	72.566	26	73.029	27	67.640	28	69.839
29	73.355	30	70.891	31	68.998	32	72.825
33	65.300	34	72.510	35	71.426	36	73.424
37	66.999	38	68.782	39	71.467	40	72.306
41	70.313	42	73.944	43	71.736	44	72.373
45	71.712	46	72.088	INACT	51.485	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 61.621

DEW CELLS

1	44.663	2	45.116	3	46.020	4	14.170
5	16.334	6	43.400	INACT	51.447	INACT	0.000
INACT	14.598	INACT	64.237	INACT	14.525	INACT	64.142
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 40.642

AMBIENT PRESS - 14.5241

VAPOR PRESS - .1247162

DRY PRESSURE - 26.59232

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 49 DATE - 9/30 TIME - 20:15

PRESSURES.

1	-	26.70970	2	-	26.71840
3	-	26.71160	4	-	26.71580
5	-	26.71550	6	-	26.71920

AVG PRESSURE 26.71441

RTD/S

1	64.404	2	67.700	3	67.225	4	67.174
5	67.268	6	67.560	7	67.651	8	66.280
9	67.221	10	67.040	11	67.176	12	67.473
13	67.885	14	67.749	15	21.090	16	20.142
17	18.586	18	17.219	19	17.782	20	17.784
21	17.267	22	73.608	23	71.326	24	72.206
25	72.557	26	73.006	27	67.587	28	69.785
29	73.279	30	70.848	31	68.936	32	72.749
33	65.236	34	72.371	35	71.426	36	73.187
37	66.914	38	68.720	39	71.413	40	72.221
41	70.239	42	73.933	43	71.671	44	72.277
45	71.650	46	72.054	INACT	50.791	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 61.590

DEW CELLS

1	44.406	2	44.942	3	45.849	4	14.261
5	16.331	6	43.314	INACT	51.401	INACT	0.000
INACT	14.596	INACT	64.237	INACT	14.523	INACT	64.131
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 40.491

AMBIENT PRESS - 14.5232

VAPOR PRESS - .1239872

DRY PRESSURE - 26.59042

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 50 DATE - 9/30 TIME - 20:30

PRESSURES

1	-	26.70740	2	-	26.71580
3	-	26.70910	4	-	26.71310
5	-	26.71290	6	-	26.71670

AVG PRESSURE 26.71190

RTD/S

1	64.362	2	67.669	3	67.140	4	67.154
5	67.248	6	67.528	7	67.640	8	66.215
9	67.243	10	67.018	11	67.134	12	67.473
13	67.468	14	67.740	15	21.121	16	20.226
17	18.650	18	17.270	19	17.804	20	17.784
21	17.259	22	73.521	23	71.284	24	72.121
25	72.504	26	72.964	27	67.542	28	69.776
29	73.226	30	70.815	31	68.882	32	72.673
33	65.171	34	72.394	35	71.297	36	73.221
37	66.861	38	68.666	39	71.359	40	72.156
41	70.163	42	73.848	43	71.608	44	72.213
45	71.585	46	72.023	INACT	50.497	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 61.549

DEW CELLS

1	44.404	2	44.758	3	45.673	4	14.082
5	16.423	6	43.239	INACT	51.360	INACT	0.000
INACT	14.598	INACT	64.228	INACT	14.524	INACT	64.120
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 40.425

AMBIENT PRESS - 14.5228

VAPOR PRESS - .1236717

DRY PRESSURE - 26.58823

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 51 DATE - 9/30 TIME - 20:45

PRESSURES

1	-	26.70500	2	-	26.71300
3	-	26.70670	4	-	26.71070
5	-	26.71040	6	-	26.71430

AVG PRESSURE 26.70938

RTD/S

1	64.357	2	67.622	3	67.136	4	67.149
5	67.233	6	67.491	7	67.570	8	66.199
9	67.228	10	66.971	11	67.054	12	67.415
13	68.180	14	67.682	15	21.200	16	20.264
17	18.613	18	17.265	19	17.820	20	17.796
21	17.259	22	73.403	23	71.210	24	72.056
25	72.416	26	72.941	27	67.500	28	69.647
29	73.152	30	70.783	31	68.829	32	72.631
33	65.171	34	72.188	35	71.158	36	73.037
37	66.807	38	68.655	39	71.317	40	72.082
41	70.090	42	73.760	43	71.543	44	72.150
45	71.531	46	71.991	INACT	50.857	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 61.528

DEW CELLS

1	44.226	2	44.586	3	45.491	4	14.170
5	16.334	6	43.242	INACT	51.316	INACT	0.000
INACT	14.595	INACT	64.217	INACT	14.523	INACT	64.100
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 40.314

AMBIENT PRESS - 14.5229

VAPOR PRESS - .1231406

DRY PRESSURE - 26.58624

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 52 DATE - 9/30 TIME - 21:00

PRESSURES

1	-	26.70260	2	-	26.71090
3	-	26.70450	4	-	26.70840
5	-	26.70830	6	-	26.71200

AVG PRESSURE 26.70714

RTD/S

1	64.286	2	67.604	3	67.053	4	67.120
5	67.163	6	67.453	7	67.544	8	66.139
9	67.179	10	66.967	11	67.038	12	67.558
13	68.204	14	67.695	15	21.121	16	20.290
17	18.617	18	17.334	19	17.813	20	17.796
21	17.259	22	73.403	23	71.177	24	72.067
25	72.416	26	72.930	27	67.457	28	69.624
29	73.087	30	70.761	31	68.784	32	72.566
33	65.128	34	72.295	35	71.105	36	73.113
37	66.656	38	68.633	39	71.275	40	72.017
41	70.025	42	73.740	43	71.490	44	72.074
45	71.489	46	71.958	INACT	50.177	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 61.503

DEW CELLS

1	43.960	2	44.420	3	45.315	4	14.082
5	16.335	6	42.986	INACT	51.313	INACT	0.000
INACT	14.594	INACT	64.194	INACT	14.523	INACT	64.077
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 40.108

AMBIENT PRESS - 14.5226

VAPOR PRESS - .1221582

DRY PRESSURE - 26.58498

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 53 DATE - 9/30 TIME - 21:15

PRESSURES

1	-	26.70050	2	-	26.71010
3	-	26.70230	4	-	26.70640
5	-	26.70610	6	-	26.70990

AVG PRESSURE 26.70542

RTD/S

1	64.286	2	67.582	3	67.095	4	67.058
5	67.141	6	67.421	7	67.544	8	66.119
9	67.190	10	66.795	11	67.027	12	67.346
13	67.832	14	67.633	15	21.249	16	20.310
17	18.756	18	17.356	19	17.813	20	17.791
21	17.274	22	73.291	23	71.065	24	71.976
25	72.316	26	72.917	27	67.441	28	69.631
29	73.029	30	70.745	31	68.748	32	72.542
33	65.124	34	72.152	35	71.111	36	72.756
37	66.696	38	68.575	39	71.237	40	71.953
41	69.971	42	73.687	43	71.425	44	72.000
45	71.435	46	71.938	INACT	50.306	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 61.457

DEW CELLS

1	43.874	2	44.238	3	45.140	4	14.001
5	16.334	6	42.903	INACT	51.223	INACT	0.000
INACT	14.593	INACT	64.194	INACT	14.519	INACT	64.057
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 40.008

AMBIENT PRESS - 14.5193

VAPOR PRESS - .1216803

DRY PRESSURE - 26.58373

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 54 DATE - 9/30 TIME - 21:30

PRESSURES

1 -	26.69850	2 -	26.70670
3 -	26.70020	4 -	26.70420
5 -	26.70400	6 -	26.70770

AVG PRESSURE 26.70294

RTD/S

1	64.243	2	67.551	3	67.033	4	67.035
5	67.121	6	67.399	7	67.501	8	66.097
9	67.136	10	66.913	11	67.004	12	67.419
13	67.640	14	67.644	15	21.185	16	20.397
17	18.776	18	17.387	19	17.824	20	17.802
21	17.263	22	73.260	23	70.958	24	71.967
25	72.262	26	72.906	27	67.388	28	69.578
29	72.964	30	70.714	31	68.706	32	72.519
33	65.082	34	72.237	35	71.100	36	72.883
37	66.524	38	68.510	39	71.194	40	71.899
41	69.895	42	73.664	43	71.383	44	71.947
45	71.370	46	71.895	INACT	49.716	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 61.433

DEW CELLS

1	43.704	2	44.238	3	45.048	4	13.909
5	16.335	6	42.430	INACT	51.223	INACT	0.000
INACT	14.592	INACT	64.183	INACT	14.519	INACT	64.057
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 39.806

AMBIENT PRESS - 14.5186

VAPOR PRESS - .1207295

DRY PRESSURE - 26.58221

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 55 DATE - 9/30 TIME - 21:45

PRESSURES

1	-	26.69660	2	-	26.70480
3	-	26.69850	4	-	26.70240
5	-	26.70220	6	-	26.70610

AVG PRESSURE 26.70111

RTD/S

1	64.219	2	67.515	3	67.006	4	67.020
5	67.083	6	67.363	7	67.497	8	66.039
9	67.078	10	66.855	11	67.000	12	67.299
13	67.805	14	67.595	15	21.222	16	20.423
17	18.836	18	17.436	19	17.831	20	17.802
21	17.274	22	73.195	23	71.076	24	71.933
25	72.240	26	72.874	27	67.357	28	69.557
29	72.922	30	70.703	31	68.663	32	72.508
33	65.059	34	72.099	35	70.971	36	73.002
37	66.535	38	68.479	39	71.163	40	71.857
41	69.853	42	73.602	43	71.329	44	71.871
45	71.328	46	71.873	INACT	49.333	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 61.413

DEW CELLS

1	43.523	2	43.978	3	44.874	4	13.994
5	16.420	6	42.426	INACT	51.134	INACT	0.000
INACT	14.590	INACT	64.163	INACT	14.519	INACT	64.035
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 39.702

AMBIENT PRESS - 14.5195

VAPOR PRESS - .1202395

DRY PRESSURE - 26.58087

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 56 DATE - 9/30 TIME - 22:00

PRESSURES

1	-	26.69510	2	-	26.70330
3	-	26.69680	4	-	26.70070
5	-	26.70060	6	-	26.70430

AVG PRESSURE 26.69952

RTD/S

1	64.170	2	67.466	3	67.042	4	67.013
5	67.068	6	67.334	7	67.459	8	66.065
9	67.072	10	66.826	11	66.973	12	67.357
13	67.425	14	67.579	15	21.269	16	20.448
17	18.894	18	17.471	19	17.835	20	17.784
21	17.259	22	73.188	23	70.996	24	71.842
25	72.213	26	72.868	27	67.319	28	69.444
29	72.862	30	70.741	31	68.623	32	72.535
33	65.044	34	72.199	35	70.837	36	73.049
37	66.421	38	68.461	39	71.125	40	71.803
41	69.799	42	73.579	43	71.275	44	71.817
45	71.263	46	71.873	INACT	49.251	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 61.385

DEW CELLS

1	43.351	2	43.890	3	44.786	4	14.001
5	16.334	6	42.377	INACT	51.134	INACT	0.000
INACT	14.589	INACT	64.152	INACT	14.518	INACT	64.013
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 39.600

AMBIENT PRESS - 14.5179

VAPOR PRESS - .1197626

DRY PRESSURE - 26.57976

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 57 DATE - 9/30 TIME - 22:15

PRESSURES

1	-	26.69340	2	-	26.70170
3	-	26.69510	4	-	26.69910
5	-	26.69900	6	-	26.70260

AVG PRESSURE 26.69787

RTD/S

1	64.154	2	67.450	3	66.975	4	66.977
5	67.018	6	67.310	7	67.378	8	65.987
9	67.025	10	66.866	11	66.926	12	67.288
13	67.731	14	67.606	15	21.329	16	20.476
17	18.940	18	17.467	19	17.831	20	17.791
21	17.274	22	73.133	23	70.969	24	71.869
25	72.124	26	72.852	27	67.303	28	69.450
29	72.815	30	70.757	31	68.599	32	72.499
33	65.039	34	71.949	35	70.939	36	72.959
37	66.321	38	68.448	39	71.087	40	71.761
41	69.746	42	73.568	43	71.233	44	71.775
45	71.232	46	71.842	INACT	48.726	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 61.361

DEW CELLS

1	43.262	2	43.714	3	44.608	4	13.820
5	16.331	6	42.169	INACT	51.087	INACT	0.000
INACT	14.588	INACT	64.076	INACT	14.517	INACT	63.928
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 39.461

AMBIENT PRESS - 14.5172

VAPOR PRESS - .1191148

DRY PRESSURE - 26.57876

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 58 DATE - 9/30 TIME - 22:30

PRESSURES

1	-	26.69180	2	-	26.70010
3	-	26.69360	4	-	26.69750
5	-	26.69730	6	-	26.70090

AVG PRESSURE 26.69627

RTD/S

1	64.148	2	67.424	3	66.957	4	66.908
5	67.014	6	67.292	7	67.459	8	65.969
9	67.009	10	66.817	11	66.908	12	67.346
13	67.617	14	67.568	15	21.344	16	20.523
17	19.000	18	17.535	19	17.846	20	17.802
21	17.274	22	73.110	23	70.808	24	71.837
25	72.144	26	72.821	27	67.261	28	69.397
29	72.750	30	70.864	31	68.545	32	72.477
33	65.039	34	71.938	35	70.843	36	72.830
37	66.341	38	68.414	39	71.067	40	71.738
41	69.694	42	73.568	43	71.202	44	71.710
45	71.201	46	71.808	INACT	49.109	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 61.341

DEW CELLS

1	43.091	2	43.455	3	44.437	4	13.731
5	16.335	6	42.094	INACT	50.998	INACT	0.000
INACT	14.584	INACT	63.971	INACT	14.519	INACT	63.812
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 39.327

AMBIENT PRESS - 14.5195

VAPOR PRESS - .1184933

DRY PRESSURE - 26.57778

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 59 DATE - 9/30 TIME - 22:45

PRESSURES

1	-	26.69030	2	-	26.69860
3	-	26.69200	4	-	26.69590
5	-	26.69590	6	-	26.69940

AVG PRESSURE 26.69476

RTD/S

1	64.132	2	67.419	3	66.933	4	66.957
5	67.010	6	67.278	7	67.369	8	65.976
9	67.036	10	66.833	11	66.915	12	67.341
13	67.474	14	67.521	15	21.349	16	20.580
17	19.088	18	17.562	19	17.850	20	17.796
21	17.267	22	73.050	23	70.973	24	71.831
25	72.084	26	72.803	27	67.221	28	69.359
29	72.701	30	71.051	31	68.516	32	72.459
33	64.990	34	71.846	35	70.837	36	72.727
37	66.218	38	68.399	39	71.018	40	71.685
41	69.641	42	73.495	43	71.159	44	71.659
45	71.156	46	71.788	INACT	48.524	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 61.319

DEW CELLS

1	42.996	2	43.461	3	44.345	4	13.738
5	16.335	6	41.995	INACT	50.998	INACT	0.000
INACT	14.580	INACT	63.831	INACT	14.520	INACT	63.705
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 39.254

AMBIENT PRESS - 14.5202

VAPOR PRESS - .1181591

DRY PRESSURE - 26.5766

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 60 DATE - 9/30 TIME - 23:00

PRESSURES

1	-	26.68890	2	-	26.69720
3	-	26.69060	4	-	26.69450
5	-	26.69430	6	-	26.69790

AVG PRESSURE 26.69333

RTD/S

1	64.083	2	67.370	3	66.872	4	66.951
5	66.972	6	67.261	7	67.352	8	65.938
9	66.998	10	66.784	11	66.866	12	67.312
13	68.066	14	67.548	15	21.397	16	20.649
17	19.104	18	17.608	19	17.855	20	17.802
21	17.263	22	73.014	23	70.862	24	71.815
25	72.070	26	72.798	27	67.207	28	69.332
29	72.643	30	71.132	31	68.480	32	72.412
33	64.963	34	72.077	35	70.801	36	72.658
37	66.160	38	68.383	39	71.002	40	71.653
41	69.596	42	73.557	43	71.117	44	71.605
45	71.103	46	71.766	INACT	48.237	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 61.319

DEW CELLS

1	42.907	2	43.201	3	44.171	4	13.816
5	16.334	6	42.070	INACT	50.911	INACT	0.000
INACT	14.576	INACT	63.628	INACT	14.519	INACT	63.587
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 39.193

AMBIENT PRESS - 14.5192

VAPOR PRESS - .117878

DRY PRESSURE - 26.57545

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 61 DATE - 9/30 TIME - 23:15

PRESSURES

1	-	26.68730	2	-	26.69540
3	-	26.68890	4	-	26.69300
5	-	26.69270	6	-	26.69650

AVG PRESSURE 26.69169

RTD/S

1	64.063	2	67.348	3	66.884	4	66.866
5	66.938	6	67.229	7	67.309	8	65.916
9	67.136	10	66.752	11	66.908	12	67.292
13	67.778	14	67.526	15	21.406	16	20.596
17	19.168	18	17.630	19	17.866	20	17.802
21	17.274	22	72.938	23	70.873	24	71.826
25	72.037	26	72.787	27	67.185	28	69.310
29	72.611	30	71.112	31	68.458	32	72.381
33	64.932	34	71.842	35	70.714	36	72.615
37	66.149	38	68.349	39	70.969	40	71.611
41	69.554	42	73.515	43	71.072	44	71.560
45	71.071	46	71.755	INACT	47.694	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 61.284

DEW CELLS

1	42.638	2	43.111	3	44.086	4	13.816
5	16.338	6	42.012	INACT	50.910	INACT	0.000
INACT	14.572	INACT	63.523	INACT	14.522	INACT	63.502
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 39.065

AMBIENT PRESS - 14.5217

VAPOR PRESS - .1172887

DRY PRESSURE - 26.5744

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 62 DATE - 9/30 TIME - 23:30

PRESSURES

1	-	26.68580	2	-	26.69370
3	-	26.68740	4	-	26.69130
5	-	26.69110	6	-	26.69470

AVG PRESSURE 26.69007

RTD/S

1	64.063	2	67.328	3	66.861	4	66.875
5	66.938	6	67.207	7	67.287	8	65.885
9	67.018	10	66.721	11	66.855	12	67.239
13	67.747	14	67.495	15	21.450	16	20.649
17	19.221	18	17.672	19	17.877	20	17.802
21	17.274	22	72.972	23	70.851	24	71.730
25	72.005	26	72.776	27	67.163	28	69.310
29	72.526	30	70.960	31	68.416	32	72.305
33	64.921	34	72.023	35	70.683	36	72.347
37	66.084	38	68.307	39	70.926	40	71.580
41	69.522	42	73.537	43	71.041	44	71.518
45	71.018	46	71.712	INACT	47.912	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 61.261

DEW CELLS

1	42.552	2	43.025	3	43.908	4	13.912
5	16.423	6	41.656	INACT	50.868	INACT	0.000
INACT	14.567	INACT	63.382	INACT	14.521	INACT	63.395
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 38.916

AMBIENT PRESS - 14.5208

VAPOR PRESS - .1166076

DRY PRESSURE - 26.57347

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 63 DATE - 9/30 TIME - 23:45

PRESSURES

1	-	26.68430	2	-	26.69260
3	-	26.68600	4	-	26.69010
5	-	26.68990	6	-	26.69330

AVG PRESSURE 26.68877

RTD/S

1	64.052	2	67.305	3	66.808	4	66.866
5	66.907	6	67.185	7	67.245	8	65.905
9	66.967	10	66.656	11	66.792	12	67.227
13	67.521	14	67.503	15	21.554	16	20.713
17	19.252	18	17.683	19	17.877	20	17.813
21	17.274	22	72.842	23	70.862	24	71.677
25	71.994	26	72.767	27	67.131	28	69.247
29	72.482	30	70.832	31	68.384	32	72.294
33	64.921	34	71.670	35	70.660	36	72.389
37	66.020	38	68.296	39	70.906	40	71.535
41	69.469	42	73.365	43	71.009	44	71.475
45	70.997	46	71.703	INACT	47.908	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 61.227

DEW CELLS

1	42.460	2	42.938	3	43.823	4	13.998
5	16.335	6	41.811	INACT	50.819	INACT	0.000
INACT	14.561	INACT	63.159	INACT	14.521	INACT	63.256
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 38.899

AMBIENT PRESS - 14.5208

VAPOR PRESS - .1165291

DRY PRESSURE - 26.57224

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 64 DATE - 10/ 1 TIME - 0:00

PRESSURES

1	-	26.68310	2	-	26.69120
3	-	26.68470	4	-	26.68860
5	-	26.68850	6	-	26.69200

AVG PRESSURE 26.68744

RTD/S

1	64.016	2	67.290	3	66.857	4	66.839
5	66.891	6	67.160	7	67.251	8	65.858
9	66.940	10	66.556	11	66.788	12	67.203
13	67.593	14	67.448	15	21.561	16	20.762
17	19.354	18	17.699	19	17.884	20	17.802
21	17.285	22	72.853	23	70.808	24	71.665
25	71.983	26	72.756	27	67.120	28	69.214
29	72.439	30	70.618	31	68.362	32	72.262
33	64.867	34	71.777	35	70.649	36	72.369
37	66.042	38	68.276	39	70.884	40	71.499
41	69.411	42	73.383	43	70.963	44	71.417
45	70.939	46	71.677	INACT	48.493	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 61.217

DEW CELLS

1	42.384	2	42.759	3	43.646	4	13.823
5	16.338	6	41.472	INACT	50.819	INACT	0.000
INACT	14.555	INACT	62.994	INACT	14.521	INACT	63.134
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 38.730

AMBIENT PRESS - 14.5209

VAPOR PRESS - .1157618

DRY PRESSURE - 26.57168

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 65 DATE - 10/ 1 TIME - 0:15

PRESSURES

1	-	26.68160	2	-	26.68970
3	-	26.68330	4	-	26.68720
5	-	26.68710	6	-	26.69060

AVG PRESSURE 26.68598

RTD/S

1	63.994	2	67.258	3	66.826	4	66.828
5	66.880	6	67.138	7	67.251	8	65.847
9	66.875	10	66.630	11	66.777	12	67.404
13	67.218	14	67.448	15	21.539	16	20.835
17	19.418	18	17.721	19	17.893	20	17.791
21	17.285	22	72.800	23	70.755	24	71.612
25	71.930	26	72.745	27	67.089	28	69.194
29	72.374	30	70.585	31	68.331	32	72.186
33	64.845	34	71.862	35	70.683	36	72.144
37	65.859	38	68.242	39	70.853	40	71.461
41	69.384	42	73.322	43	70.933	44	71.379
45	70.922	46	71.659	INACT	47.610	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 61.187

DEW CELLS

1	42.108	2	42.678	3	43.557	4	13.731
5	16.335	6	41.376	INACT	50.778	INACT	0.000
INACT	14.549	INACT	62.796	INACT	14.522	INACT	62.989
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 38.585

AMBIENT PRESS - 14.5224

VAPOR PRESS - .1151071

DRY PRESSURE - 26.57088

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 66 DATE - 10/ 1 TIME - 0:30

PRESSURES

1	-	26.68020	2	-	26.68830
3	-	26.68190	4	-	26.68590
5	-	26.68590	6	-	26.68930

AVG PRESSURE 26.68462

RTD/S

1	63.958	2	67.265	3	66.799	4	66.812
5	66.867	6	67.156	7	67.236	8	65.822
9	66.913	10	66.701	11	66.783	12	67.283
13	67.512	14	67.443	15	21.599	16	20.820
17	19.423	18	17.767	19	17.899	20	17.796
21	17.289	22	72.793	23	70.694	24	71.585
25	71.956	26	72.760	27	67.071	28	69.198
29	72.348	30	70.527	31	68.302	32	72.171
33	64.838	34	71.674	35	70.645	36	72.213
37	65.864	38	68.258	39	70.846	40	71.425
41	69.368	42	73.329	43	70.887	44	71.344
45	70.863	46	71.645	INACT	47.556	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 61.185

DEW CELLS

1	42.108	2	42.499	3	43.465	4	13.731
5	16.335	6	41.478	INACT	50.774	INACT	0.000
INACT	14.545	INACT	62.566	INACT	14.523	INACT	62.813
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 38.580

AMBIENT PRESS - 14.5232

VAPOR PRESS - .1150821

DRY PRESSURE - 26.56953

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 67 DATE - 10/ 1 TIME - 0:45

PRESSURES

1	-	26.67880	2	-	26.68680
3	-	26.68050	4	-	26.68450
5	-	26.68440	6	-	26.68780

AVG PRESSURE 26.68317

RTD/S

1	63.940	2	67.216	3	66.750	4	66.785
5	66.849	6	67.084	7	67.229	8	65.838
9	66.951	10	66.641	11	66.797	12	67.127
13	67.827	14	67.437	15	21.667	16	20.835
17	19.502	18	17.805	19	17.893	20	17.807
21	17.278	22	72.728	23	70.621	24	71.531
25	71.892	26	72.738	27	67.040	28	69.165
29	72.294	30	70.493	31	68.271	32	72.106
33	64.829	34	71.567	35	70.633	36	72.244
37	65.832	38	68.184	39	70.812	40	71.392
41	69.315	42	73.360	43	70.864	44	71.301
45	70.843	46	71.623	INACT	47.492	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 61.170

DEW CELLS

1	41.847	2	42.411	3	43.293	4	13.734
5	16.423	6	41.300	INACT	50.686	INACT	0.000
INACT	14.539	INACT	62.461	INACT	14.522	INACT	62.705
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 38.417

AMBIENT PRESS - 14.5217

VAPOR PRESS - .1143487

DRY PRESSURE - 26.56882

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 68 DATE - 10/ 1 TIME - 1:00

PRESSURES

1	-	26.67750	2	-	26.68580
3	-	26.67920	4	-	26.68320
5	-	26.68310	6	-	26.68650

AVG PRESSURE 26.68196

RTD/S

1	63.920	2	67.194	3	66.687	4	66.808
5	66.826	6	67.075	7	67.186	8	65.784
9	66.951	10	66.717	11	66.766	12	67.127
13	67.646	14	67.479	15	21.763	16	20.846
17	19.502	18	17.805	19	17.904	20	17.796
21	17.301	22	72.686	23	70.663	24	71.563
25	71.849	26	72.718	27	67.006	28	69.111
29	72.240	30	70.504	31	68.239	32	72.075
33	64.818	34	71.686	35	70.450	36	72.191
37	65.748	38	68.193	39	70.792	40	71.349
41	69.293	42	73.276	43	70.833	44	71.268
45	70.799	46	71.592	INACT	46.754	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 61.147

DEW CELLS

1	41.846	2	42.233	3	43.121	4	13.916
5	16.508	6	41.041	INACT	50.686	INACT	0.000
INACT	14.535	INACT	62.343	INACT	14.520	INACT	62.601
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 38.317

AMBIENT PRESS - 14.5203

VAPOR PRESS - .1139045

DRY PRESSURE - 26.56806

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 69 DATE - 10/ 1 TIME - 1:15

PRESSURES

1	-	26.67630	2	-	26.68420
3	-	26.67800	4	-	26.68200
5	-	26.68190	6	-	26.68540

AVG PRESSURE 26.68065

RTD/S

1	63.920	2	67.185	3	66.761	4	66.774
5	66.817	6	67.053	7	67.198	8	65.784
9	66.918	10	66.672	11	66.734	12	67.031
13	67.635	14	67.414	15	21.751	16	20.888
17	19.586	18	17.847	19	17.904	20	17.796
21	17.289	22	72.632	23	70.685	24	71.543
25	71.838	26	72.707	27	66.986	28	69.069
29	72.198	30	70.482	31	68.217	32	72.064
33	64.807	34	71.621	35	70.580	36	72.019
37	65.748	38	68.173	39	70.770	40	71.318
41	69.250	42	73.329	43	70.802	44	71.225
45	70.767	46	71.580	INACT	46.218	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 61.135

DEW CELLS

1	41.674	2	42.067	3	43.117	4	13.827
5	16.423	6	41.024	INACT	50.644	INACT	0.000
INACT	14.532	INACT	62.236	INACT	14.520	INACT	62.494
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 38.226

AMBIENT PRESS - 14.5196

VAPOR PRESS - .1134973

DRY PRESSURE - 26.56715

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 70 DATE - 10/ 1 TIME - 1:30

PRESSURES

1 -	26.67510	2 -	26.68350
3 -	26.67670	4 -	26.68100
5 -	26.68060	6 -	26.68420

AVG PRESSURE 26.67960

RTD/S

1	63.898	2	67.163	3	66.696	4	66.667
5	66.806	6	67.042	7	67.155	8	65.784
9	66.844	10	66.630	11	66.723	12	67.116
13	67.432	14	67.468	15	21.782	16	20.919
17	19.598	18	17.880	19	17.915	20	17.784
21	17.301	22	72.590	23	70.621	24	71.552
25	71.807	26	72.707	27	66.986	28	69.037
29	72.164	30	70.473	31	68.206	32	72.010
33	64.776	34	71.482	35	70.430	36	72.094
37	65.661	38	68.173	39	70.750	40	71.296
41	69.219	42	73.298	43	70.768	44	71.183
45	70.745	46	71.558	INACT	45.920	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 61.104

DEW CELLS

1	41.588	2	41.979	3	42.963	4	13.916
5	16.420	6	40.942	INACT	50.599	INACT	0.000
INACT	14.532	INACT	62.216	INACT	14.519	INACT	62.460
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 38.145

AMBIENT PRESS - 14.5187

VAPOR PRESS - .1131364

DRY PRESSURE - 26.56647

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 71 DATE - 10/ 1 TIME - 1:45

PRESSURES

1	-	26.67390	2	-	26.68240
3	-	26.67550	4	-	26.67970
5	-	26.67940	6	-	26.68310

AVG PRESSURE 26.67843

RTD/S

1	63.887	2	67.163	3	66.696	4	66.743
5	66.764	6	67.042	7	67.144	8	65.742
9	66.866	10	66.610	11	66.712	12	67.031
13	67.517	14	67.372	15	21.911	16	21.014
17	19.651	18	17.900	19	17.915	20	17.776
21	17.301	22	72.610	23	70.556	24	71.435
25	71.784	26	72.707	27	66.944	28	69.037
29	72.122	30	70.462	31	68.175	32	72.010
33	64.765	34	71.460	35	70.515	36	72.267
37	65.641	38	68.131	39	70.728	40	71.276
41	69.208	42	73.318	43	70.759	44	71.161
45	70.736	46	71.569	INACT	46.047	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 61.104

DEW CELLS

1	41.500	2	41.888	3	42.870	4	13.827
5	16.423	6	40.768	INACT	50.554	INACT	0.000
INACT	14.530	INACT	62.171	INACT	14.518	INACT	62.387
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 38.042

AMBIENT PRESS - 14.5181

VAPOR PRESS - .1126788

DRY PRESSURE - 26.56575

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 72 DATE - 10/ 1 TIME - 2:00

PRESSURES

1 -	26.67280	2 -	26.68130
3 -	26.67450	4 -	26.67880
5 -	26.67830	6 -	26.68210

AVG PRESSURE 26.67737

RTD/S

1	63.844	2	67.140	3	66.687	4	66.701
5	66.773	6	67.022	7	67.113	8	65.751
9	66.875	10	66.630	11	66.712	12	67.127
13	67.528	14	67.403	15	21.847	16	21.048
17	19.682	18	17.953	19	17.926	20	17.784
21	17.301	22	72.536	23	70.567	24	71.478
25	71.773	26	72.696	27	66.933	28	69.004
29	72.057	30	70.439	31	68.152	32	71.976
33	64.753	34	71.353	35	70.397	36	72.331
37	65.629	38	68.131	39	70.705	40	71.231
41	69.143	42	73.307	43	70.726	44	71.118
45	70.694	46	71.527	INACT	46.493	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 61.092

DEW CELLS

1	41.407	2	41.804	3	42.696	4	13.820
5	16.332	6	40.952	INACT	50.554	INACT	0.000
INACT	14.533	INACT	62.278	INACT	14.517	INACT	62.387
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 38.014

AMBIENT PRESS - 14.5173

VAPOR PRESS - .1125552

DRY PRESSURE - 26.56482

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 73 DATE - 10/ 1 TIME - 2:15

PRESSURES

1	-	26.67170	2	-	26.68020
3	-	26.67330	4	-	26.67760
5	-	26.67710	6	-	26.68100

AVG PRESSURE 26.67624

RTD/S

1	63.878	2	67.109	3	66.676	4	66.667
5	66.742	6	67.033	7	67.113	8	65.719
9	66.822	10	66.587	11	66.692	12	67.107
13	67.506	14	67.372	15	21.953	16	21.090
17	19.724	18	17.984	19	17.926	20	17.776
21	17.301	22	72.556	23	70.587	24	71.359
25	71.753	26	72.664	27	66.933	28	68.961
29	72.037	30	70.439	31	68.132	32	71.956
33	64.722	34	71.395	35	70.408	36	72.179
37	65.542	38	68.120	39	70.685	40	71.211
41	69.123	42	73.255	43	70.694	44	71.087
45	70.649	46	71.505	INACT	46.465	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 61.074

DEW CELLS

1	41.319	2	41.625	3	42.612	4	14.083
5	16.423	6	40.682	INACT	50.462	INACT	0.000
INACT	14.537	INACT	62.461	INACT	14.516	INACT	62.494
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 37.900

AMBIENT PRESS - 14.5157

VAPOR PRESS - .1120543

DRY PRESSURE - 26.56419

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 74 DATE - 10/ 1 TIME - 2:30

PRESSURES

1	-	26.67070	2	-	26.67960
3	-	26.67240	4	-	26.67680
5	-	26.67620	6	-	26.68020

AVG PRESSURE 26.67542

RTD/S

1	63.840	2	67.105	3	66.660	4	66.654
5	66.748	6	67.006	7	67.097	8	65.737
9	66.775	10	66.551	11	66.688	12	67.069
13	67.695	14	67.367	15	21.957	16	21.116
17	19.795	18	18.011	19	17.952	20	17.776
21	17.312	22	72.514	23	70.525	24	71.478
25	71.731	26	72.653	27	66.890	28	68.984
29	72.004	30	70.419	31	68.110	32	71.934
33	64.722	34	71.610	35	70.526	36	72.126
37	65.587	38	68.086	39	70.652	40	71.177
41	69.101	42	73.264	43	70.672	44	71.044
45	70.618	46	71.505	INACT	46.016	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 61.082

DEW CELLS

1	41.145	2	41.625	3	42.519	4	13.731
5	16.423	6	40.757	INACT	50.462	INACT	0.000
INACT	14.538	INACT	62.588	INACT	14.516	INACT	62.567
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 37.833

AMBIENT PRESS - 14.5163

VAPOR PRESS - .1117566

DRY PRESSURE - 26.56366

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 75 DATE - 10/ 1 TIME - 2:45

PRESSURES

1	-	26.66990	2	-	26.67850
3	-	26.67140	4	-	26.67600
5	-	26.67520	6	-	26.67920

AVG PRESSURE 26.67447

RTD/S

1	63.824	2	67.098	3	66.645	4	66.678
5	66.710	6	66.979	7	67.102	8	65.708
9	66.779	10	66.545	11	66.670	12	67.031
13	67.260	14	67.361	15	22.006	16	21.196
17	19.819	18	18.049	19	17.935	20	17.784
21	17.312	22	72.482	23	70.545	24	71.317
25	71.731	26	72.664	27	66.879	28	68.973
29	71.961	30	70.408	31	68.088	32	71.903
33	64.711	34	71.406	35	70.397	36	72.170
37	65.480	38	68.086	39	70.632	40	71.157
41	69.069	42	73.211	43	70.652	44	71.022
45	70.587	46	71.496	INACT	46.269	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 61.047

DEW CELLS

1	41.053	2	41.463	3	42.342	4	13.913
5	16.511	6	40.663	INACT	50.464	INACT	0.000
INACT	14.540	INACT	62.664	INACT	14.517	INACT	62.601
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 37.748

AMBIENT PRESS - 14.5173

VAPOR PRESS - .111384

DRY PRESSURE - 26.56309

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 76 DATE - 10/ 1 TIME - 3:00

PRESSURES

1	-	26.66900	2	-	26.67800
3	-	26.67050	4	-	26.67520
5	-	26.67420	6	-	26.67830

AVG PRESSURE 26.67370

RTD/S

1	63.813	2	67.089	3	66.580	4	66.636
5	66.710	6	66.979	7	67.079	8	65.677
9	66.768	10	66.514	11	66.627	12	67.053
13	67.314	14	67.341	15	22.048	16	21.196
17	19.819	18	18.080	19	17.946	20	17.776
21	17.321	22	72.482	23	70.513	24	71.382
25	71.699	26	72.653	27	66.879	28	68.908
29	71.941	30	70.386	31	68.067	32	71.914
33	64.689	34	71.299	35	70.408	36	72.191
37	65.489	38	68.077	39	70.609	40	71.135
41	69.047	42	73.191	43	70.619	44	70.980
45	70.544	46	71.484	INACT	46.178	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 61.035

DEW CELLS

1	40.879	2	41.369	3	42.345	4	13.824
5	16.423	6	40.259	INACT	50.375	INACT	0.000
INACT	14.539	INACT	62.673	INACT	14.517	INACT	62.589
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 37.561

AMBIENT PRESS - 14.5171

VAPOR PRESS - .1105681

DRY PRESSURE - 26.56313

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 77 DATE - 10/ 1 TIME - 3:15

PRESSURES

1	-	26.66820	2	-	26.67720
3	-	26.66970	4	-	26.67430
5	-	26.67340	6	-	26.67750

AVG PRESSURE 26.67289

RTD/S

1	63.791	2	67.067	3	66.622	4	66.689
5	66.710	6	66.946	7	67.059	8	65.666
9	66.779	10	66.576	11	66.647	12	67.042
13	67.452	14	67.372	15	22.165	16	21.238
17	19.905	18	18.113	19	17.935	20	17.780
21	17.296	22	72.498	23	70.540	24	71.389
25	71.684	26	72.649	27	66.852	28	68.903
29	71.892	30	70.393	31	68.052	32	71.918
33	64.718	34	71.337	35	70.285	36	72.121
37	65.484	38	68.062	39	70.585	40	71.115
41	69.027	42	73.180	43	70.610	44	70.957
45	70.522	46	71.462	INACT	45.664	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 61.036

DEW CELLS

1	40.794	2	41.200	3	42.168	4	13.910
5	16.423	6	40.343	INACT	50.374	INACT	0.000
INACT	14.540	INACT	62.664	INACT	14.516	INACT	62.567
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 37.513

AMBIENT PRESS - 14.5163

VAPOR PRESS - .1103582

DRY PRESSURE - 26.56253

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 78 DATE - 10/ 1 TIME - 3:30

PRESSURES

1	-	26.66740	2	-	26.67640
3	-	26.66900	4	-	26.67340
5	-	26.67260	6	-	26.67680

AVG PRESSURE 26.67209

RTD/S

1	63.791	2	67.067	3	66.580	4	66.571
5	66.688	6	66.935	7	67.059	8	65.655
9	66.813	10	66.460	11	66.605	12	67.000
13	67.646	14	67.394	15	22.238	16	21.311
17	19.936	18	18.155	19	17.935	20	17.776
21	17.289	22	72.418	23	70.534	24	71.371
25	71.688	26	72.631	27	66.826	28	68.865
29	71.843	30	70.375	31	68.025	32	71.860
33	64.700	34	71.375	35	70.365	36	72.030
37	65.426	38	68.044	39	70.556	40	71.081
41	68.985	42	73.157	43	70.587	44	70.926
45	70.499	46	71.451	INACT	46.173	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 61.026

DEW CELLS

1	40.705	2	41.112	3	42.076	4	13.999
5	16.508	6	40.263	INACT	50.329	INACT	0.000
INACT	14.540	INACT	62.631	INACT	14.515	INACT	62.514
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 37.449

AMBIENT PRESS - 14.5148

VAPOR PRESS - .1100844

DRY PRESSURE - 26.56201

FLOWS - 0 0

TOTAL FLOW 0

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

RECORD NUMBER - 79 DATE - 10/ 1 TIME - 3:45

PRESSURES

1 -	26.66670	2 -	26.67600
3 -	26.66840	4 -	26.67280
5 -	26.67180	6 -	26.67600

AVG PRESSURE 26.67150

RTD/S

1	63.771	2	67.044	3	66.558	4	66.647
5	66.668	6	66.935	7	67.017	8	65.635
9	66.790	10	66.449	11	66.659	12	67.042
13	67.742	14	67.361	15	22.207	16	21.311
17	20.000	18	18.186	19	17.946	20	17.776
21	17.289	22	72.429	23	70.491	24	71.317
25	71.646	26	72.620	27	66.826	28	68.877
29	71.811	30	70.343	31	68.014	32	71.849
33	64.680	34	71.310	35	70.151	36	72.117
37	65.446	38	68.044	39	70.535	40	71.061
41	68.973	42	73.126	43	70.565	44	70.895
45	70.468	46	71.431	INACT	46.031	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 61.017

DEW CELLS

1	40.440	2	41.030	3	41.990	4	13.913
5	16.508	6	40.343	INACT	50.285	INACT	0.000
INACT	14.537	INACT	62.588	INACT	14.513	INACT	62.494
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 37.356

AMBIENT PRESS - 14.5131

VAPOR PRESS - .1096801

DRY PRESSURE - 26.56182

FLOWS - 0 0

TOTAL FLOW 0

********** TOTAL TIME WITH VERIFICATION TEST **********

TIME	MASS	TOTAL TIME GROSS LSF	TOTAL TIME GROSS 95% UCL	SCFM	VERIFICATION NET LSF	VERIFICATION NET 95% UCL
545	162235	0.0000	0.0000	3.736	-0.2493	-0.2493
600	162230	0.2376	0.0000	3.737	-0.0118	-0.2493
615	162226	0.2534	0.4874	3.738	0.0040	0.2380
630	162224	0.2369	0.4158	3.737	-0.0125	0.1664
645	162222	0.2145	0.3552	3.737	-0.0349	0.1059
700	162216	0.2194	0.3185	3.738	-0.0300	0.0691
715	162215	0.2086	0.2965	3.737	-0.0408	0.0472
730	162213	0.2002	0.2763	3.737	-0.0492	0.0269
745	162201	0.2150	0.2969	3.738	-0.0345	0.0474
800	162204	0.2122	0.2818	3.737	-0.0372	0.0324
815	162199	0.2122	0.2756	3.661	-0.0321	0.0313
830	162195	0.2123	0.2711	3.660	-0.0320	0.0268
845	162194	0.2089	0.2648	3.661	-0.0354	0.0205
900	162189	0.2089	0.2612	3.661	-0.0354	0.0169
915	162189	0.2050	0.2558	3.660	-0.0393	0.0115
930	162186	0.2018	0.2503	3.660	-0.0425	0.0060
945	162181	0.2005	0.2466	3.660	-0.0437	0.0023
1000	162174	0.2019	0.2467	3.659	-0.0423	0.0025
1015	162179	0.1979	0.2421	3.658	-0.0462	-0.0020
1030	162171	0.1976	0.2397	3.658	-0.0465	-0.0044
1045	162167	0.1973	0.2380	3.657	-0.0468	-0.0061
1100	162163	0.1976	0.2373	3.657	-0.0465	-0.0068
1115	162151	0.2011	0.2428	3.657	-0.0430	-0.0013
1130	162157	0.2005	0.2396	3.656	-0.0435	-0.0044
1145	162149	0.2016	0.2401	3.635	-0.0410	-0.0025
1200	162146	0.2025	0.2403	3.634	-0.0400	-0.0023
1215	162148	0.2016	0.2383	3.634	-0.0411	-0.0043
1230	162141	0.2019	0.2378	3.633	-0.0407	-0.0048
1245	162134	0.2029	0.2385	3.634	-0.0397	-0.0041
1300	162131	0.2039	0.2388	3.634	-0.0387	-0.0038

LEAK RATE < MAX AND > MIN ALLOWED

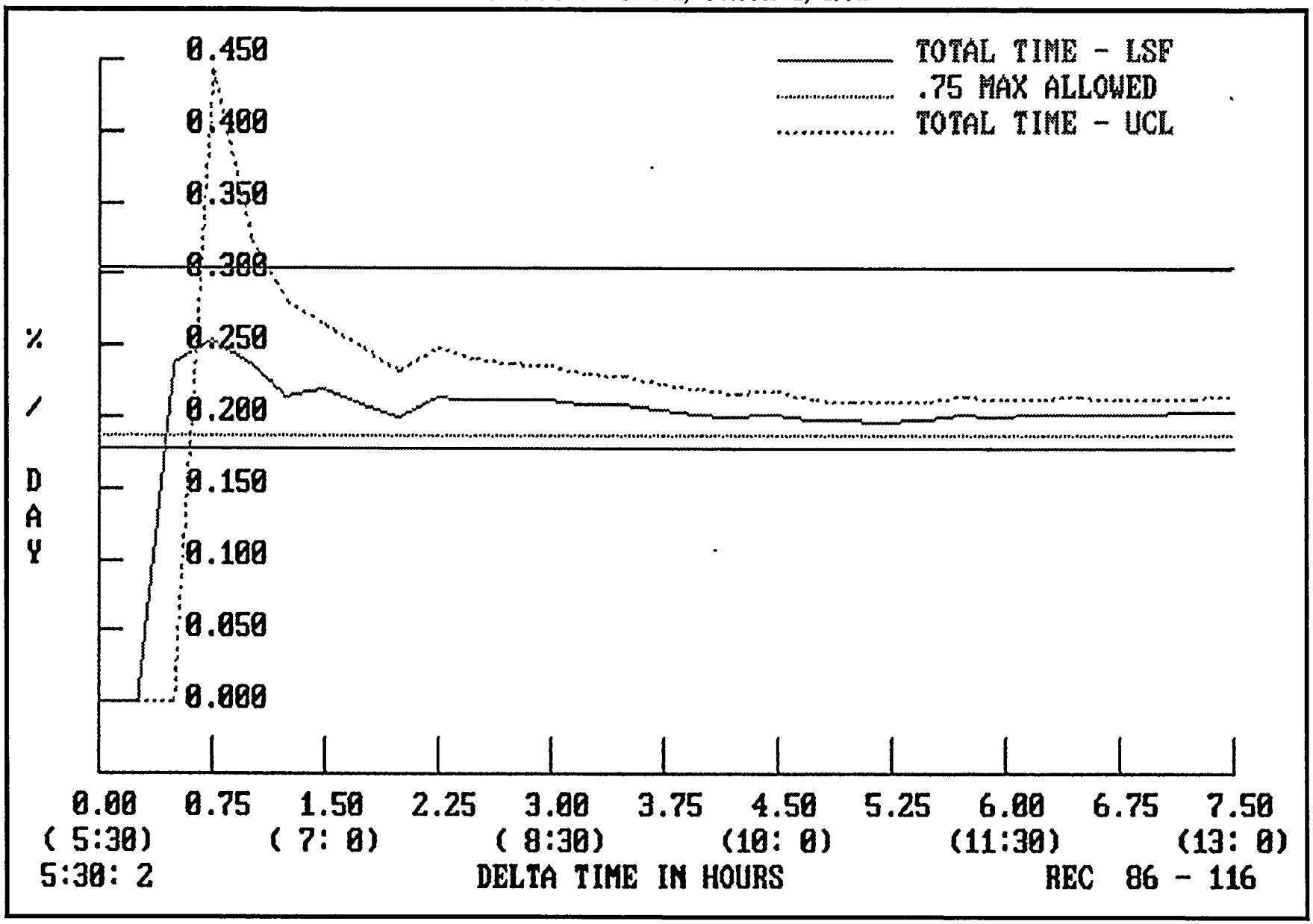
(Lo + Lam - .25 La) <= Lc <= (Lo + Lam + .25 La)

0.1791 <= 0.2039 <= 0.3041

Lo = Imposed Leakage Rate - (SCFM converted to WT%/day)
Lam = The measured Type A Test Leakage (measured in WT%/day)
Lc = The Composite Leakage Rate Measured Using the ILRT Instruments After Known Lo is Superimposed.

TOTAL TIME - VERIFICATION TEST

D.C. COOK - Unit 1, October 1, 1992



Attachment 6B

********** MASS POINT WITH VERIFICATION TEST **********

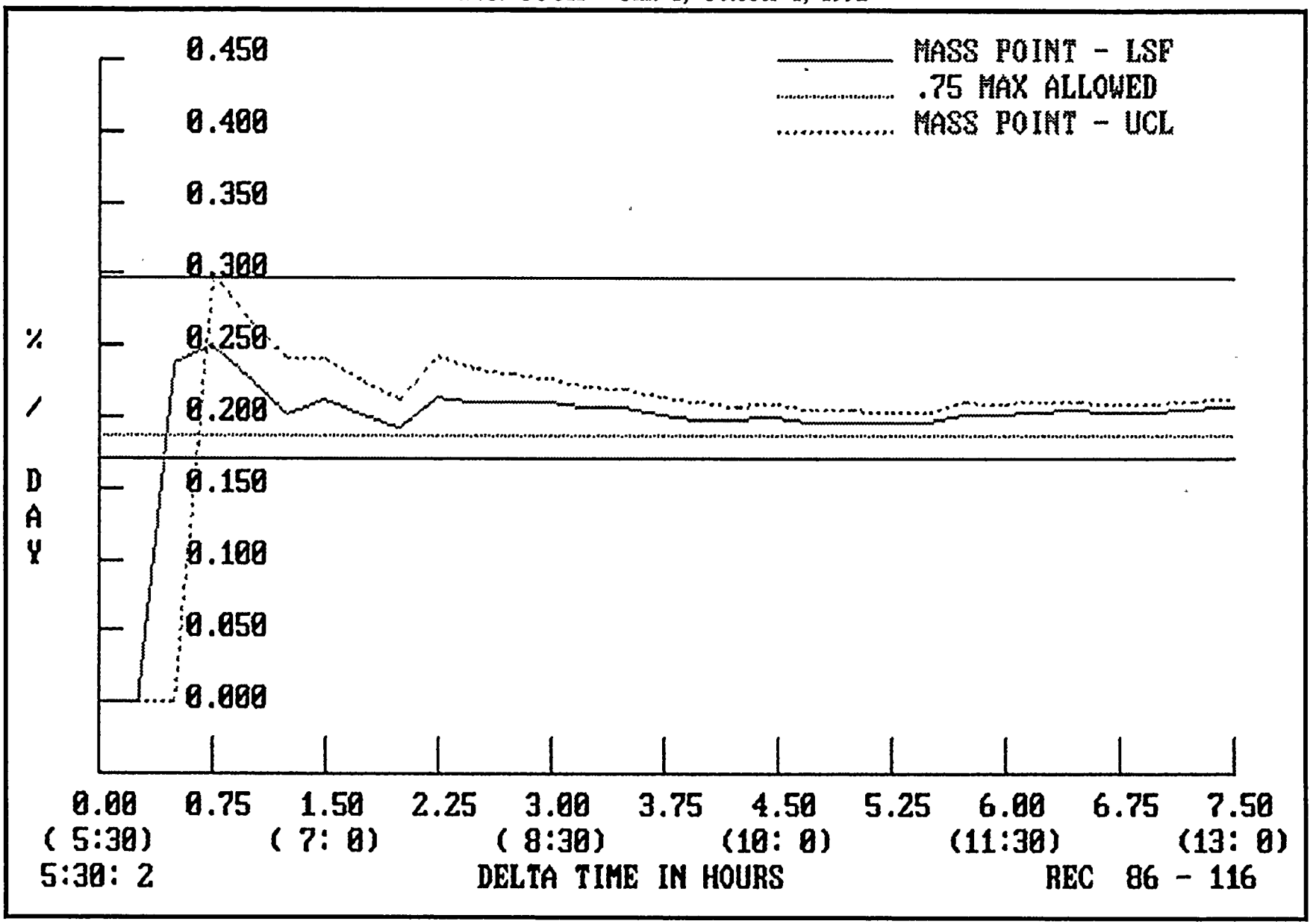
		MASS POINT			VERIFICATION	
TIME	MASS	GROSS LSF	GROSS 95% UCL	SCFM	NET LSF	NET 95 UCL
530	162238.4	0.0000	0.0000	3.736	-0.2493	-0.2493
545	162235.4	0.0000	0.0000	3.736	-0.2493	-0.2493
600	162230.4	0.2376	0.0000	3.737	-0.0117	-0.2493
615	162226.0	0.2496	0.3005	3.738	0.0002	0.0511
630	162223.9	0.2278	0.2657	3.737	-0.0216	0.0163
645	162222.3	0.2026	0.2409	3.737	-0.0468	-0.0085
700	162215.8	0.2130	0.2412	3.738	-0.0365	-0.0082
715	162215.5	0.2010	0.2254	3.737	-0.0483	-0.0240
730	162212.8	0.1928	0.2133	3.737	-0.0566	-0.0361
745	162201.4	0.2148	0.2433	3.738	-0.0347	-0.0062
800	162203.6	0.2111	0.2343	3.737	-0.0383	-0.0151
815	162199.0	0.2112	0.2304	3.661	-0.0331	-0.0139
830	162195.3	0.2115	0.2276	3.660	-0.0327	-0.0167
845	162194.5	0.2071	0.2215	3.661	-0.0372	-0.0228
900	162188.7	0.2076	0.2200	3.661	-0.0367	-0.0243
915	162189.3	0.2025	0.2145	3.660	-0.0417	-0.0298
930	162186.1	0.1988	0.2099	3.660	-0.0454	-0.0343
945	162181.1	0.1980	0.2079	3.660	-0.0463	-0.0364
1000	162174.3	0.2006	0.2098	3.659	-0.0436	-0.0344
1015	162179.1	0.1956	0.2052	3.658	-0.0486	-0.0389
1030	162170.5	0.1959	0.2046	3.658	-0.0483	-0.0395
1045	162167.4	0.1960	0.2039	3.657	-0.0481	-0.0402
1100	162162.7	0.1970	0.2042	3.657	-0.0471	-0.0399
1115	162151.5	0.2024	0.2109	3.657	-0.0417	-0.0332
1130	162157.2	0.2016	0.2095	3.656	-0.0424	-0.0345
1145	162149.4	0.2033	0.2107	3.635	-0.0394	-0.0319
1200	162145.8	0.2046	0.2116	3.634	-0.0380	-0.0310
1215	162148.2	0.2031	0.2098	3.634	-0.0395	-0.0328
1230	162140.7	0.2036	0.2098	3.633	-0.0390	-0.0328
1245	162134.3	0.2051	0.2111	3.634	-0.0375	-0.0315
1300	162130.8	0.2064	0.2121	3.634	-0.0362	-0.0305

(Lo + Lam - .25 La) <= Lc <= (Lo + Lam + .25 La)
0.1717 <= 0.2064 <= 0.2967

Lo = Imposed Leakage Rate - (SCFM converted to WT%/day)
Lam = The Measured Type A Test Leakage (measured in WT%/day)
Lc = The Composite Leakage Rate Measured Using the ILRT Instruments After Known Lo is Superimposed.

MASS POINT - VERIFICATION TEST

D.C. COOK - Unit 1, October 1, 1992



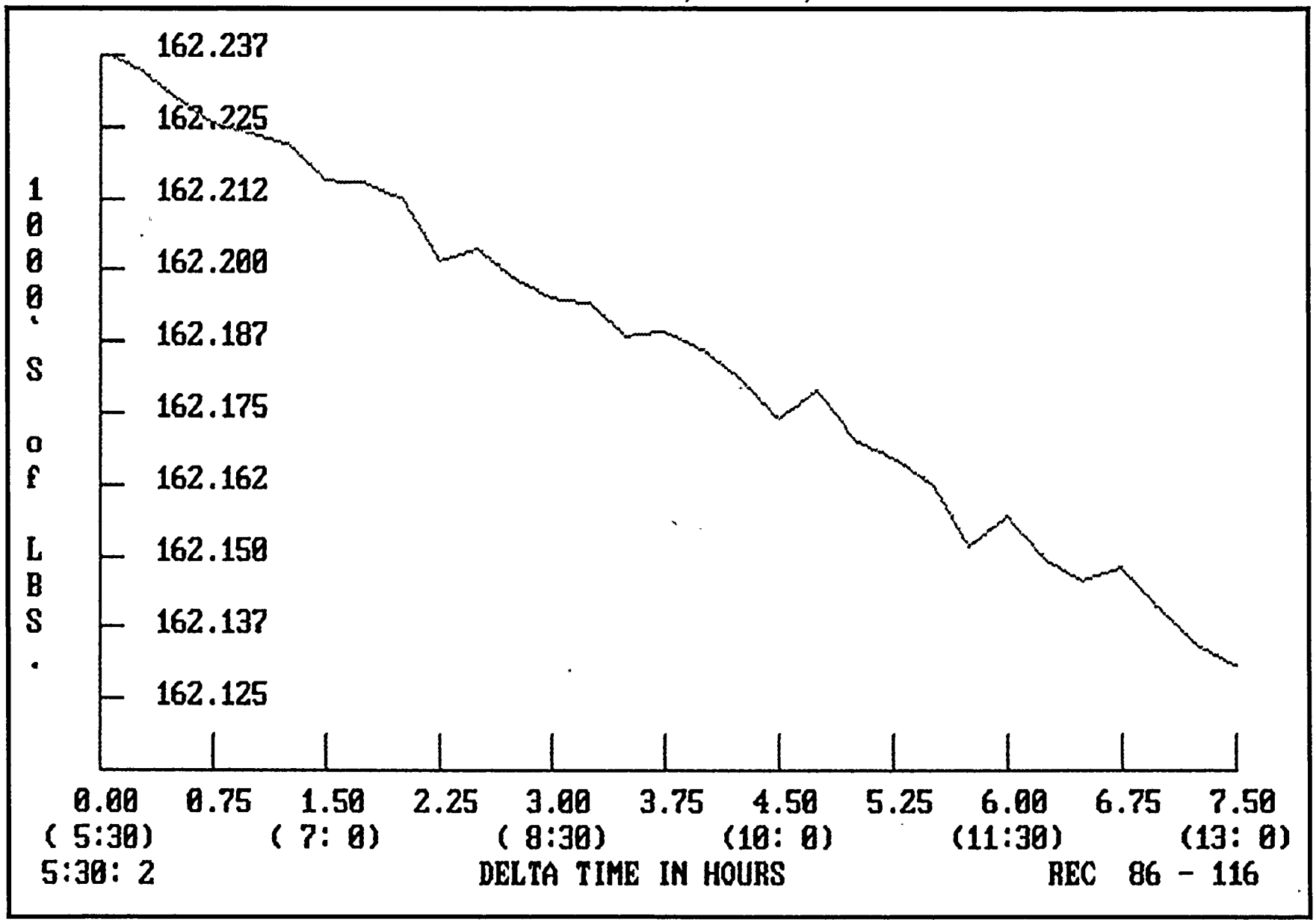
Attachment 6D

********** MASS LOSS **********

REC NUM	TIME DELTA (HOURS)	CONT AIR MASS	MASS LOSS INCR	MASS LOSS (1 HR)	MASS LOSS (x 24)
86	0.00	162238.406	0.000	0.000	0.000
87	0.25	162235.438	-2.969	0.000	0.000
88	0.50	162230.375	-5.063	0.000	0.000
89	0.75	162226.031	-4.344	0.000	0.000
90	1.00	162223.859	-2.172	14.547	349.125
91	1.25	162222.250	-1.609	13.188	316.500
92	1.50	162215.766	-6.484	14.609	350.625
93	1.75	162215.469	-0.297	10.563	253.500
94	2.00	162212.750	-2.719	11.109	266.625
95	2.25	162201.391	-11.359	20.859	500.625
96	2.50	162203.594	2.203	12.172	292.125
97	2.75	162199.000	-4.594	16.469	395.250
98	3.00	162195.328	-3.672	17.422	418.125
99	3.25	162194.484	-0.844	6.906	165.750
100	3.50	162188.703	-5.781	14.891	357.375
101	3.75	162189.344	0.641	9.656	231.750
102	4.00	162186.141	-3.203	9.188	220.500
103	4.25	162181.078	-5.063	13.406	321.750
104	4.50	162174.297	-6.781	14.406	345.750
105	4.75	162179.063	4.766	10.281	246.750
106	5.00	162170.531	-8.531	15.609	374.625
107	5.25	162167.375	-3.156	13.703	328.875
108	5.50	162162.688	-4.688	11.609	278.625
109	5.75	162151.453	-11.234	27.609	662.625
110	6.00	162157.203	5.750	13.328	319.875
111	6.25	162149.359	-7.844	18.016	432.375
112	6.50	162145.781	-3.578	16.906	405.750
113	6.75	162148.188	2.406	3.266	78.375
114	7.00	162140.734	-7.453	16.469	395.250
115	7.25	162134.328	-6.406	15.031	360.750
116	7.50	162130.750	-3.578	15.031	360.750

MEASURED MASS - VERIFICATION TEST

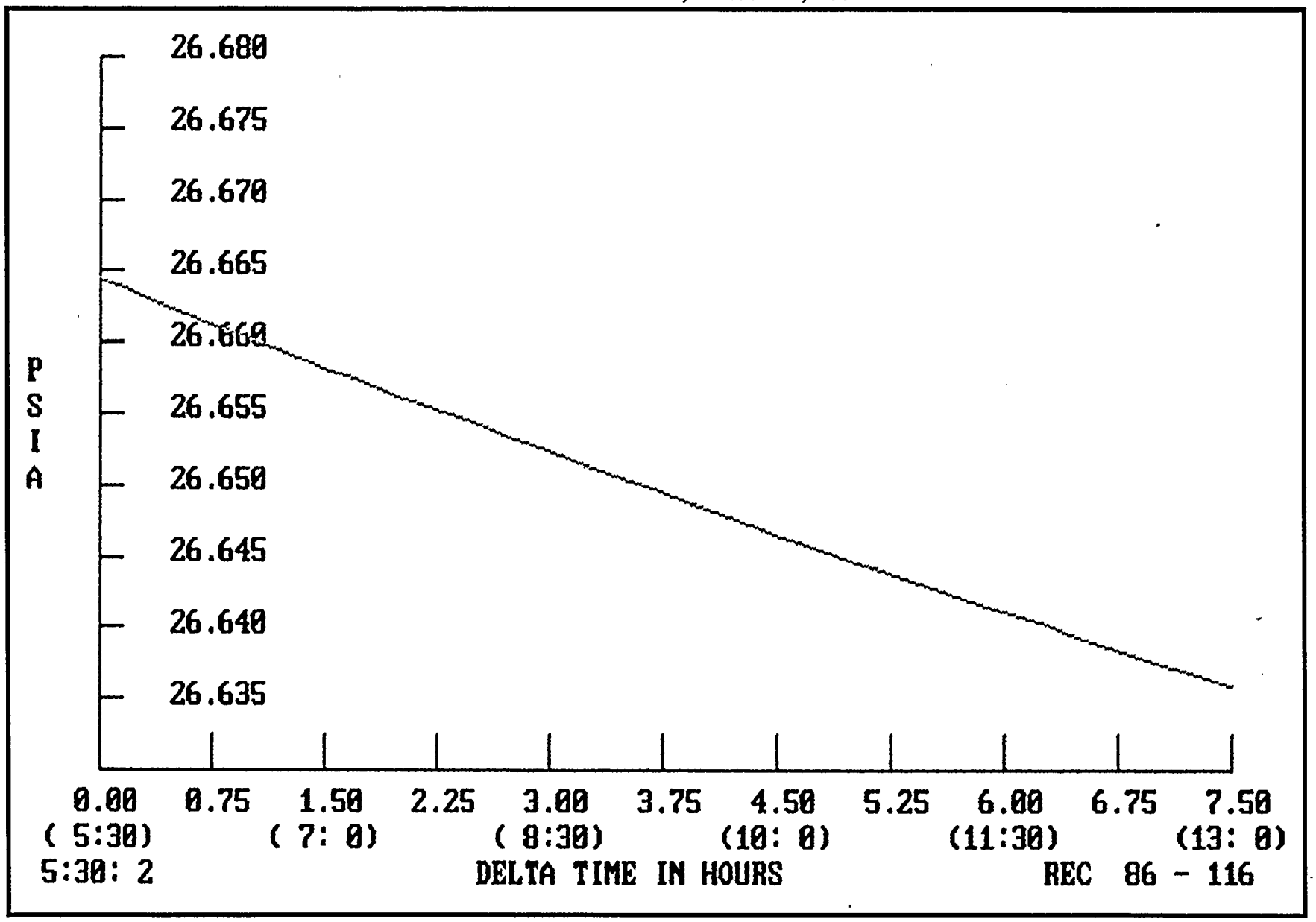
D.C. COOK - Unit 1, October 1, 1992



Attachment 6F

AVERAGE PRESSURE - VERIFICATION TEST

D.C. COOK - Unit 1, October 1, 1992

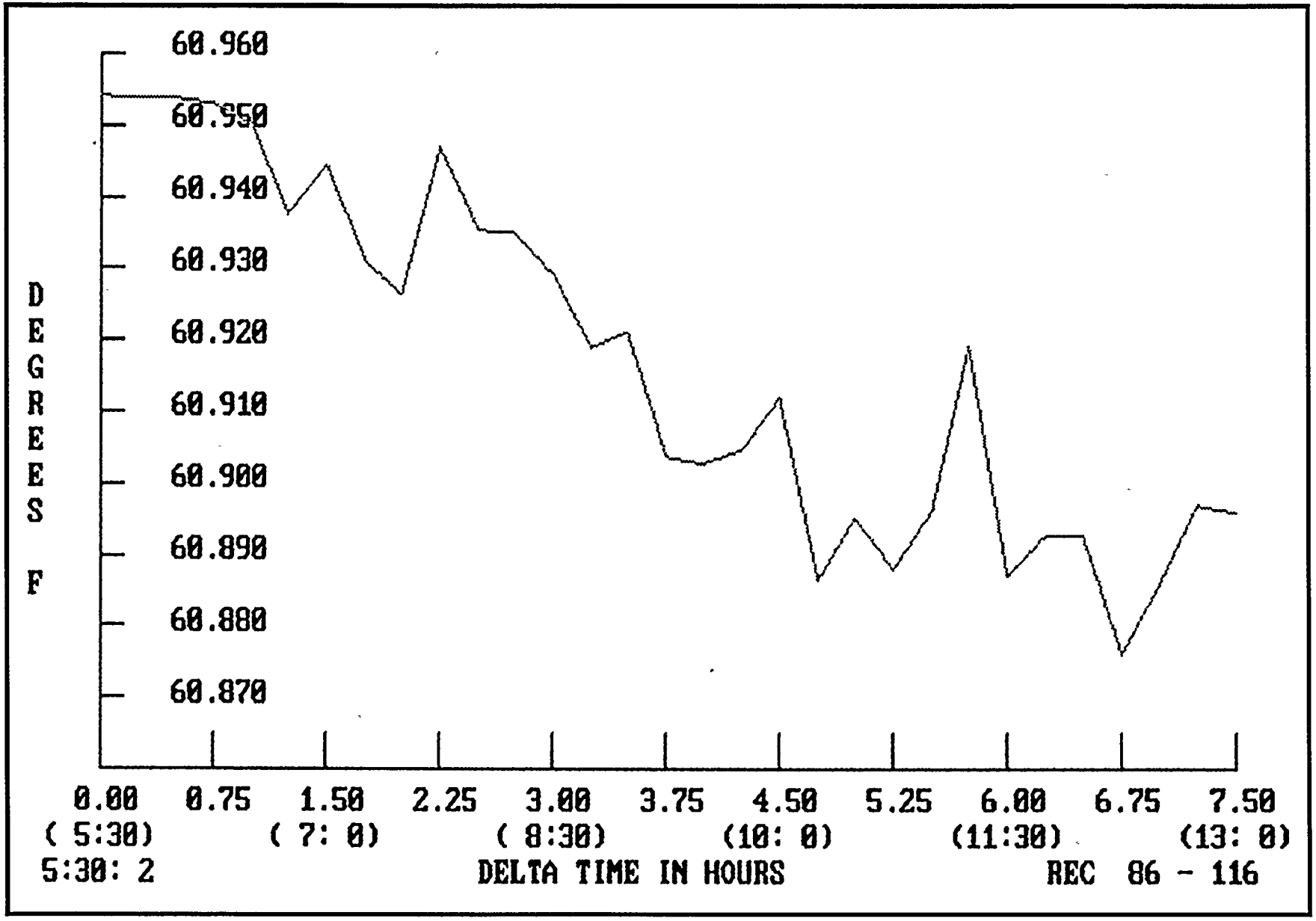


Attachment 6G

[illegible]

AVERAGE TEMPERATURE - VERIFICATION TEST

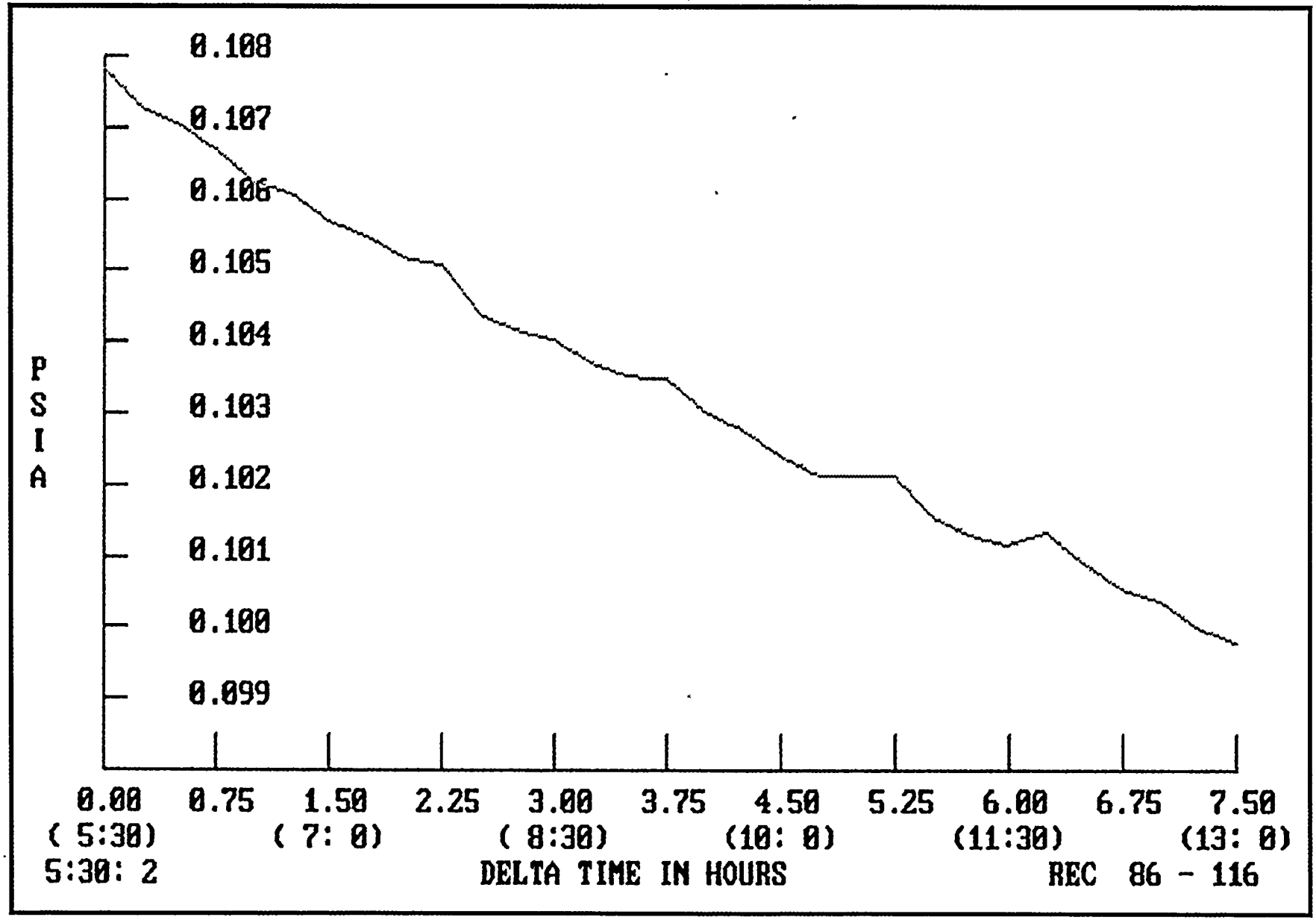
D.C. COOK - Unit 1, October 1, 1992



Attachment 6H

AVERAGE VAPOR PRESSURE - VERIFICATION TEST

D.C. COOK - Unit 1, October 1, 1992



Attachment 6I

[illegible]

********** ENVIRONMENT LISTING **********

REC NUM	DATE	TIME	TEMP	VAPOR PRESSURE	CORRECT. PRESSURE	RELATIVE HUMIDITY	AIR DENSITY	PSIA/HR VARIANCE
86	1001	530	520.624	0.1078	26.5567	40.69	0.1377	0.00000
87	1001	545	520.624	0.1073	26.5562	40.49	0.1377	-0.00206
88	1001	600	520.624	0.1071	26.5554	40.40	0.1377	-0.00325
89	1001	615	520.623	0.1067	26.5546	40.26	0.1377	-0.00302
90	1001	630	520.620	0.1062	26.5541	40.09	0.1377	-0.00200
91	1001	645	520.608	0.1061	26.5532	40.06	0.1377	-0.00363
92	1001	700	520.615	0.1057	26.5525	39.89	0.1377	-0.00281
93	1001	715	520.601	0.1055	26.5518	39.83	0.1377	-0.00293
94	1001	730	520.596	0.1052	26.5511	39.74	0.1377	-0.00278
95	1001	745	520.617	0.1051	26.5503	39.67	0.1377	-0.00326
96	1001	800	520.605	0.1044	26.5501	39.43	0.1377	-0.00089
97	1001	815	520.605	0.1042	26.5493	39.34	0.1376	-0.00307
98	1001	830	520.599	0.1040	26.5484	39.29	0.1376	-0.00356
99	1001	845	520.589	0.1037	26.5477	39.19	0.1376	-0.00267
100	1001	900	520.591	0.1035	26.5469	39.12	0.1376	-0.00333
101	1001	915	520.574	0.1035	26.5461	39.12	0.1376	-0.00315
102	1001	930	520.573	0.1030	26.5455	38.95	0.1376	-0.00232
103	1001	945	520.574	0.1028	26.5448	38.86	0.1376	-0.00296
104	1001	1000	520.582	0.1024	26.5441	38.70	0.1376	-0.00290
105	1001	1015	520.557	0.1021	26.5436	38.64	0.1376	-0.00203
106	1001	1030	520.565	0.1021	26.5426	38.62	0.1376	-0.00389
107	1001	1045	520.558	0.1021	26.5417	38.63	0.1376	-0.00349
108	1001	1100	520.566	0.1016	26.5414	38.41	0.1376	-0.00138
109	1001	1115	520.589	0.1013	26.5407	38.27	0.1376	-0.00263
110	1001	1130	520.557	0.1012	26.5400	38.27	0.1376	-0.00284
111	1001	1145	520.563	0.1014	26.5390	38.33	0.1376	-0.00397
112	1001	1200	520.563	0.1009	26.5384	38.16	0.1376	-0.00234
113	1001	1215	520.546	0.1005	26.5380	38.04	0.1376	-0.00178
114	1001	1230	520.556	0.1004	26.5373	37.96	0.1376	-0.00284
115	1001	1245	520.567	0.1000	26.5368	37.81	0.1376	-0.00199
116	1001	1300	520.566	0.0998	26.5361	37.73	0.1376	-0.00257

********** ENVIRONMENT LISTING **********
ZONE - 1

REC NUM	DATE	TIME	TEMP	VAPOR PRESSURE	CORRECT. PRESSURE	RELATIVE HUMIDITY	AIR DENSITY	PSIA/HR VARIANCE
86	1001	530	526.170	0.1236	26.5408	38.41	0.1361	0.00000
87	1001	545	526.156	0.1231	26.5402	38.27	0.1362	-0.00223
88	1001	600	526.157	0.1229	26.5394	38.20	0.1361	-0.00322
89	1001	615	526.159	0.1224	26.5388	38.03	0.1361	-0.00245
90	1001	630	526.165	0.1219	26.5383	37.89	0.1361	-0.00195
91	1001	645	526.147	0.1215	26.5377	37.77	0.1361	-0.00253
92	1001	700	526.156	0.1212	26.5368	37.68	0.1361	-0.00338
93	1001	715	526.135	0.1206	26.5365	37.52	0.1361	-0.00149
94	1001	730	526.138	0.1204	26.5357	37.45	0.1361	-0.00284
95	1001	745	526.166	0.1202	26.5350	37.35	0.1361	-0.00287
96	1001	800	526.160	0.1196	26.5348	37.16	0.1361	-0.00101
97	1001	815	526.145	0.1193	26.5340	37.09	0.1361	-0.00311
98	1001	830	526.135	0.1191	26.5332	37.03	0.1361	-0.00322
99	1001	845	526.109	0.1187	26.5327	36.94	0.1361	-0.00203
100	1001	900	526.123	0.1183	26.5320	36.80	0.1361	-0.00259
101	1001	915	526.109	0.1182	26.5314	36.80	0.1361	-0.00275
102	1001	930	526.101	0.1176	26.5308	36.63	0.1361	-0.00229
103	1001	945	526.103	0.1171	26.5303	36.48	0.1361	-0.00209
104	1001	1000	526.117	0.1170	26.5293	36.40	0.1361	-0.00387
105	1001	1015	526.086	0.1167	26.5288	36.37	0.1361	-0.00194
106	1001	1030	526.086	0.1162	26.5283	36.20	0.1361	-0.00195
107	1001	1045	526.069	0.1162	26.5275	36.21	0.1361	-0.00331
108	1001	1100	526.082	0.1158	26.5269	36.07	0.1361	-0.00223
109	1001	1115	526.112	0.1155	26.5262	35.97	0.1361	-0.00290
110	1001	1130	526.058	0.1152	26.5257	35.94	0.1361	-0.00195
111	1001	1145	526.061	0.1156	26.5246	36.05	0.1361	-0.00465
112	1001	1200	526.075	0.1147	26.5244	35.75	0.1361	-0.00082
113	1001	1215	526.048	0.1143	26.5240	35.66	0.1361	-0.00162
114	1001	1230	526.037	0.1141	26.5233	35.60	0.1361	-0.00265
115	1001	1245	526.043	0.1136	26.5229	35.46	0.1361	-0.00150
116	1001	1300	526.051	0.1135	26.5221	35.41	0.1361	-0.00330

********** ENVIRONMENT LISTING ZONE - 2 **********

REC NUM	DATE	TIME	TEMP	VAPOR PRESSURE	CORRECT. PRESSURE	RELATIVE HUMIDITY	AIR DENSITY	PSIA/HR VARIANCE
86	1001	530	529.886	0.1207	26.5429	33.01	0.1352	0.00000
87	1001	545	529.899	0.1199	26.5426	32.77	0.1352	-0.00094
88	1001	600	529.893	0.1196	26.5420	32.69	0.1352	-0.00273
89	1001	615	529.881	0.1187	26.5417	32.47	0.1352	-0.00098
90	1001	630	529.848	0.1179	26.5414	32.28	0.1352	-0.00107
91	1001	645	529.832	0.1184	26.5401	32.43	0.1352	-0.00549
92	1001	700	529.834	0.1172	26.5401	32.09	0.1352	0.00032
93	1001	715	529.821	0.1176	26.5387	32.23	0.1352	-0.00558
94	1001	730	529.786	0.1167	26.5387	32.02	0.1352	-0.00031
95	1001	745	529.790	0.1167	26.5377	32.02	0.1352	-0.00380
96	1001	800	529.761	0.1156	26.5379	31.73	0.1352	0.00089
97	1001	815	529.780	0.1151	26.5374	31.60	0.1352	-0.00217
98	1001	830	529.777	0.1151	26.5365	31.60	0.1352	-0.00380
99	1001	845	529.784	0.1148	26.5357	31.49	0.1352	-0.00293
100	1001	900	529.756	0.1148	26.5347	31.52	0.1352	-0.00394
101	1001	915	529.721	0.1148	26.5338	31.56	0.1352	-0.00382
102	1001	930	529.721	0.1140	26.5337	31.34	0.1352	-0.00021
103	1001	945	529.719	0.1141	26.5326	31.37	0.1352	-0.00448
104	1001	1000	529.705	0.1129	26.5328	31.06	0.1352	0.00078
105	1001	1015	529.668	0.1124	26.5324	30.97	0.1352	-0.00179
106	1001	1030	529.690	0.1133	26.5306	31.18	0.1352	-0.00701
107	1001	1045	529.682	0.1133	26.5297	31.20	0.1352	-0.00367
108	1001	1100	529.671	0.1122	26.5300	30.89	0.1352	0.00138
109	1001	1115	529.682	0.1113	26.5299	30.66	0.1352	-0.00051
110	1001	1130	529.660	0.1114	26.5290	30.68	0.1352	-0.00346
111	1001	1145	529.662	0.1114	26.5282	30.69	0.1352	-0.00358
112	1001	1200	529.605	0.1114	26.5273	30.75	0.1352	-0.00355
113	1001	1215	529.590	0.1109	26.5269	30.64	0.1352	-0.00159
114	1001	1230	529.635	0.1105	26.5264	30.48	0.1352	-0.00174
115	1001	1245	529.634	0.1101	26.5259	30.37	0.1352	-0.00218
116	1001	1300	529.595	0.1093	26.5260	30.20	0.1352	0.00026

********** ENVIRONMENT LISTING **********
ZONE - 3

REC NUM	DATE	TIME	TEMP	VAPOR PRESSURE	CORRECT. PRESSURE	RELATIVE HUMIDITY	AIR DENSITY	PSIA/HR VARIANCE
86	1001	530	478.270	0.0416	26.6254	88.14	0.1503	0.00000
87	1001	545	478.299	0.0413	26.6246	87.47	0.1502	-0.00317
88	1001	600	478.311	0.0412	26.6237	87.27	0.1502	-0.00391
89	1001	615	478.318	0.0417	26.6222	88.14	0.1502	-0.00593
90	1001	630	478.337	0.0415	26.6213	87.68	0.1502	-0.00348
91	1001	645	478.354	0.0415	26.6203	87.66	0.1502	-0.00408
92	1001	700	478.361	0.0416	26.6191	87.74	0.1502	-0.00481
93	1001	715	478.380	0.0415	26.6182	87.50	0.1502	-0.00351
94	1001	730	478.401	0.0418	26.6169	88.02	0.1502	-0.00514
95	1001	745	478.417	0.0417	26.6160	87.87	0.1502	-0.00365
96	1001	800	478.417	0.0415	26.6154	87.46	0.1502	-0.00262
97	1001	815	478.445	0.0416	26.6144	87.37	0.1501	-0.00385
98	1001	830	478.451	0.0415	26.6133	87.25	0.1501	-0.00422
99	1001	845	478.474	0.0415	26.6123	87.16	0.1501	-0.00400
100	1001	900	478.485	0.0416	26.6113	87.32	0.1501	-0.00420
101	1001	915	478.488	0.0416	26.6104	87.21	0.1501	-0.00362
102	1001	930	478.514	0.0417	26.6093	87.35	0.1501	-0.00448
103	1001	945	478.522	0.0416	26.6085	87.21	0.1501	-0.00318
104	1001	1000	478.545	0.0417	26.6074	87.22	0.1501	-0.00442
105	1001	1015	478.564	0.0415	26.6066	86.77	0.1501	-0.00289
106	1001	1030	478.585	0.0418	26.6054	87.21	0.1501	-0.00481
107	1001	1045	478.622	0.0418	26.6045	87.13	0.1500	-0.00374
108	1001	1100	478.647	0.0416	26.6039	86.54	0.1500	-0.00247
109	1001	1115	478.665	0.0417	26.6029	86.73	0.1500	-0.00410
110	1001	1130	478.709	0.0419	26.6018	86.91	0.1500	-0.00432
111	1001	1145	478.733	0.0418	26.6011	86.60	0.1500	-0.00278
112	1001	1200	478.784	0.0419	26.6000	86.71	0.1500	-0.00442
113	1001	1215	478.809	0.0417	26.5993	86.18	0.1499	-0.00259
114	1001	1230	478.841	0.0419	26.5983	86.50	0.1499	-0.00427
115	1001	1245	478.895	0.0418	26.5975	86.03	0.1499	-0.00312
116	1001	1300	478.932	0.0419	26.5966	86.13	0.1499	-0.00370

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

RECORD NUMBER - 86 DATE - 10/ 1 TIME - 5:30

PRESSURES

1	-	26.65960	2	-	26.66920
3	-	26.66130	4	-	26.66590
5	-	26.66490	6	-	26.66910

AVG PRESSURE 26.66454

RTD/S

1	63.717	2	66.948	3	66.527	4	66.571
5	66.614	6	66.839	7	66.983	8	65.592
9	66.705	10	66.534	11	66.574	12	66.935
13	67.251	14	67.298	15	22.588	16	21.650
17	20.350	18	18.462	19	17.968	20	17.796
21	17.289	22	72.310	23	70.491	24	71.371
25	71.592	26	72.600	27	66.730	28	68.725
29	71.555	30	70.247	31	67.896	32	71.753
33	64.646	34	71.288	35	70.129	36	71.838
37	65.297	38	67.970	39	70.375	40	70.923
41	68.835	42	73.191	43	70.449	44	70.723
45	70.330	46	71.355	INACT	45.573	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 60.954

DEW CELLS

1	40.004	2	40.398	3	41.284	4	14.350
5	16.685	6	39.807	INACT	50.059	INACT	0.000
INACT	14.532	INACT	62.332	INACT	18.725	INACT	63.551
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 36.924

AMBIENT PRESS - 14.5143

VAPOR PRESS - .1078285

DRY PRESSURE - 26.55671

FLOWS - 0 3.7361

TOTAL FLOW 3.7361

*NOTE: "INACT" indicates data collected that is not used in the safety related software calculations to determine containment leakage. This holds true throughout Attachment 6K.

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

RECORD NUMBER - 87 DATE - 10/ 1 TIME - 5:45

PRESSURES

1	-	26.65860	2	-	26.66810
3	-	26.66030	4	-	26.66480
5	-	26.66380	6	-	26.66810

AVG PRESSURE 26.66349

RTD/S

1	63.686	2	66.971	3	66.462	4	66.509
5	66.603	6	66.830	7	66.983	8	65.570
9	66.768	10	66.418	11	66.551	12	66.957
13	67.283	14	67.298	15	22.683	16	21.725
17	20.392	18	18.515	19	17.979	20	17.802
21	17.316	22	72.371	23	70.402	24	71.366
25	71.597	26	72.615	27	66.725	28	68.754
29	71.528	30	70.243	31	67.891	32	71.749
33	64.642	34	71.337	35	70.059	36	72.014
37	65.324	38	67.986	39	70.348	40	70.901
41	68.824	42	73.168	43	70.426	44	70.700
45	70.307	46	71.355	INACT	45.306	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 60.954

DEW CELLS

1	39.913	2	40.219	3	41.202	4	13.910
5	16.687	6	39.633	INACT	50.061	INACT	0.000
INACT	14.530	INACT	62.247	INACT	18.729	INACT	63.475
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 36.799

AMBIENT PRESS - 14.5142

VAPOR PRESS - .1072966

DRY PRESSURE - 26.5562

FLOWS - 0 3.7364

TOTAL FLOW 3.7364

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

RECORD NUMBER - 88 DATE - 10/ 1 TIME - 6:00

PRESSURES

1	-	26.65760	2	-	26.66700
3	-	26.65920	4	-	26.66390
5	-	26.66280	6	-	26.66700

AVG PRESSURE 26.66246

RTD/S

1	63.706	2	66.960	3	66.462	4	66.529
5	66.581	6	66.861	7	66.983	8	65.570
9	66.630	10	66.438	11	66.551	12	66.935
13	67.347	14	67.298	15	22.725	16	21.809
17	20.392	18	18.546	19	17.988	20	17.802
21	17.305	22	72.391	23	70.422	24	71.397
25	71.588	26	72.606	27	66.703	28	68.667
29	71.496	30	70.221	31	67.871	32	71.715
33	64.653	34	71.263	35	70.059	36	72.175
37	65.239	38	67.954	39	70.326	40	70.878
41	68.802	42	73.168	43	70.406	44	70.680
45	70.319	46	71.335	INACT	45.106	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 60.954

DEW CELLS

1	39.825	2	40.215	3	41.199	4	14.002
5	16.599	6	39.565	INACT	49.969	INACT	0.000
INACT	14.526	INACT	62.022	INACT	18.726	INACT	63.326
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 36.746

AMBIENT PRESS - 14.5139

VAPOR PRESS - .1070704

DRY PRESSURE - 26.55539

FLOWS - 0 3.737

TOTAL FLOW 3.737

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

RECORD NUMBER - 89 DATE - 10/ 1 TIME - 6:15

PRESSURES

1 -	26.65650	2 -	26.66580
3 -	26.65820	4 -	26.66270
5 -	26.66170	6 -	26.66600

AVG PRESSURE 26.66133

RTD/S

1	63.686	2	66.971	3	66.473	4	66.509
5	66.614	6	66.830	7	66.952	8	65.548
9	66.705	10	66.471	11	66.531	12	66.893
13	67.474	14	67.298	15	22.725	16	21.820
17	20.465	18	18.577	19	17.979	20	17.813
21	17.296	22	72.360	23	70.467	24	71.420
25	71.608	26	72.606	27	66.703	28	68.678
29	71.474	30	70.221	31	67.871	32	71.758
33	64.631	34	71.328	35	70.039	36	71.983
37	65.261	38	67.966	39	70.306	40	70.858
41	68.781	42	73.137	43	70.395	44	70.658
45	70.296	46	71.335	INACT	45.100	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 60.953

DEW CELLS

1	39.736	2	40.129	3	41.021	4	14.087
5	16.863	6	39.381	INACT	49.924	INACT	0.000
INACT	14.521	INACT	61.852	INACT	18.728	INACT	63.230
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 36.658

AMBIENT PRESS - 14.5162

VAPOR PRESS - .1067015

DRY PRESSURE - 26.55463

FLOWS - 0 3.7376

TOTAL FLOW 3.7376

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

RECORD NUMBER - 90 DATE - 10/ 1 TIME - 6:30

PRESSURES

1	-	26.65550	2	-	26.66500
3	-	26.65700	4	-	26.66170
5	-	26.66070	6	-	26.66490

AVG PRESSURE 26.66036

RTD/S

1	63.686	2	66.948	3	66.484	4	66.529
5	66.581	6	66.839	7	66.952	8	65.539
9	66.694	10	66.460	11	66.551	12	66.924
13	67.677	14	67.276	15	22.737	16	21.958
17	20.549	18	18.611	19	17.988	20	17.813
21	17.285	22	72.360	23	70.402	24	71.377
25	71.597	26	72.595	27	66.681	28	68.624
29	71.454	30	70.232	31	67.849	32	71.695
33	64.622	34	71.275	35	69.975	36	71.929
37	65.250	38	67.954	39	70.272	40	70.836
41	68.770	42	73.115	43	70.373	44	70.638
45	70.296	46	71.324	INACT	44.933	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 60.950

DEW CELLS

1	39.648	2	40.040	3	40.939	4	13.999
5	16.775	6	39.201	INACT	49.924	INACT	0.000
INACT	14.519	INACT	61.723	INACT	18.725	INACT	63.176
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 36.547

AMBIENT PRESS - 14.5165

VAPOR PRESS - .1062319

DRY PRESSURE - 26.55413

FLOWS - 0 3.7371

TOTAL FLOW 3.7371

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

RECORD NUMBER - 91 DATE - 10/ 1 TIME - 6:45

PRESSURES

1	-	26.65440	2	-	26.66390
3	-	26.65610	4	-	26.66080
5	-	26.65960	6	-	26.66400

AVG PRESSURE 26.65932

RTD/S

1	63.675	2	66.928	3	66.451	4	66.529
5	66.561	6	66.808	7	66.941	8	65.559
9	66.652	10	66.480	11	66.531	12	66.924
13	67.474	14	67.318	15	22.832	16	21.958
17	20.594	18	18.706	19	17.988	20	17.813
21	17.285	22	72.328	23	70.444	24	71.366
25	71.588	26	72.595	27	66.672	28	68.635
29	71.412	30	70.243	31	67.826	32	71.650
33	64.631	34	71.123	35	70.059	36	71.972
37	65.228	38	67.943	39	70.230	40	70.824
41	68.739	42	73.095	43	70.362	44	70.616
45	70.265	46	71.301	INACT	44.551	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 60.938

DEW CELLS

1	39.566	2	39.875	3	40.845	4	13.821
5	16.863	6	39.304	INACT	49.837	INACT	0.000
INACT	14.518	INACT	61.692	INACT	18.724	INACT	63.165
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 36.516

AMBIENT PRESS - 14.5156

VAPOR PRESS - .1061043

DRY PRESSURE - 26.55322

FLOWS - 0 3.7372

TOTAL FLOW 3.7372

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

RECORD NUMBER - 92 DATE - 10/ 1 TIME - 7:00

PRESSURES

1	-	26.65330	2	-	26.66280
3	-	26.65490	4	-	26.65970
5	-	26.65850	6	-	26.66280

AVG PRESSURE 26.65821

RTD/S

1	63.664	2	66.928	3	66.484	4	66.529
5	66.581	6	66.808	7	66.930	8	65.548
9	66.737	10	66.491	11	66.563	12	66.935
13	67.602	14	67.287	15	22.843	16	22.022
17	20.614	18	18.695	19	17.988	20	17.813
21	17.285	22	72.337	23	70.444	24	71.324
25	71.577	26	72.595	27	66.672	28	68.604
29	71.378	30	70.285	31	67.817	32	71.684
33	64.600	34	71.221	35	69.997	36	71.983
37	65.239	38	67.932	39	70.198	40	70.807
41	68.730	42	73.077	43	70.355	44	70.609
45	70.247	46	71.306	INACT	44.637	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 60.945

DEW CELLS

1	39.474	2	39.864	3	40.845	4	13.910
5	16.863	6	39.036	INACT	49.697	INACT	0.000
INACT	14.516	INACT	61.694	INACT	18.727	INACT	63.094
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 36.417

AMBIENT PRESS - 14.5156

VAPOR PRESS - .1056864

DRY PRESSURE - 26.55252

FLOWS - 0 3.7379

TOTAL FLOW 3.7379

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

RECORD NUMBER - 93 DATE - 10/ 1 TIME - 7:15

PRESSURES

1	-	26.65230	2	-	26.66190
3	-	26.65400	4	-	26.65870
5	-	26.65750	6	-	26.66190

AVG PRESSURE 26.65726

RTD/S

1	63.653	2	66.928	3	66.462	4	66.562
5	66.592	6	66.796	7	66.930	8	65.539
9	66.705	10	66.438	11	66.520	12	66.870
13	67.305	14	67.298	15	22.947	16	22.095
17	20.678	18	18.715	19	17.988	20	17.813
21	17.285	22	72.306	23	70.402	24	71.355
25	71.597	26	72.584	27	66.649	28	68.593
29	71.324	30	70.297	31	67.806	32	71.695
33	64.611	34	71.156	35	70.051	36	71.994
37	65.185	38	67.943	39	70.165	40	70.793
41	68.706	42	73.061	43	70.342	44	70.595
45	70.180	46	71.301	INACT	44.531	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 60.931

DEW CELLS

1	39.389	2	39.692	3	40.674	4	13.999
5	16.775	6	39.133	INACT	49.535	INACT	0.000
INACT	14.514	INACT	61.680	INACT	18.725	INACT	63.058
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 36.364

AMBIENT PRESS - 14.5144

VAPOR PRESS - .105467

DRY PRESSURE - 26.55179

FLOWS - 0 3.7372

TOTAL FLOW 3.7372

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

RECORD NUMBER - 94 DATE - 10/ 1 TIME - 7:30

PRESSURES

1	-	26.65130	2	-	26.66100
3	-	26.65300	4	-	26.65780
5	-	26.65650	6	-	26.66090

AVG PRESSURE 26.65630

RTD/S

1	63.653	2	66.928	3	66.484	4	66.475
5	66.581	6	66.787	7	66.921	8	65.516
9	66.672	10	66.418	11	66.551	12	66.913
13	67.497	14	67.329	15	23.086	16	22.159
17	20.698	18	18.768	19	17.979	20	17.822
21	17.285	22	72.295	23	70.413	24	71.335
25	71.588	26	72.595	27	66.638	28	68.593
29	71.282	30	70.361	31	67.795	32	71.684
33	64.611	34	71.103	35	70.059	36	71.833
37	65.154	38	67.912	39	70.134	40	70.773
41	68.694	42	73.041	43	70.319	44	70.562
45	70.126	46	71.292	INACT	44.579	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 60.926

DEW CELLS

1	39.300	2	39.692	3	40.671	4	14.265
5	16.863	6	38.942	INACT	49.521	INACT	0.000
INACT	14.515	INACT	61.734	INACT	18.721	INACT	63.102
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 36.302

AMBIENT PRESS - 14.5148

VAPOR PRESS - .1052079

DRY PRESSURE - 26.55109

FLOWS - 0 3.7372

TOTAL FLOW 3.7372

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

RECORD NUMBER - 95 DATE - 10/ 1 TIME - 7:45

PRESSURES

1	-	26.65040	2	-	26.66010
3	-	26.65220	4	-	26.65670
5	-	26.65560	6	-	26.65990

AVG PRESSURE 26.65538

RTD/S

1	63.681	2	66.935	3	66.415	4	66.515
5	66.588	6	66.814	7	66.916	8	65.523
9	66.755	10	66.422	11	66.547	12	66.919
13	68.003	14	67.283	15	23.038	16	22.261
17	20.758	18	18.805	19	17.994	20	17.822
21	17.296	22	72.295	23	70.422	24	71.389
25	71.588	26	72.595	27	66.649	28	68.582
29	71.260	30	70.457	31	67.784	32	71.630
33	64.622	34	71.263	35	69.986	36	71.791
37	65.185	38	67.923	39	70.102	40	70.762
41	68.674	42	73.007	43	70.310	44	70.551
45	70.062	46	71.281	INACT	44.388	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 60.947

DEW CELLS

1	39.297	2	39.599	3	40.589	4	13.999
5	16.948	6	38.942	INACT	49.190	INACT	0.000
INACT	14.515	INACT	61.765	INACT	18.724	INACT	63.111
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 36.276

AMBIENT PRESS - 14.5153

VAPOR PRESS - .1051002

DRY PRESSURE - 26.55028

FLOWS - 0 3.7377

TOTAL FLOW 3.7377

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

RECORD NUMBER - 96 DATE - 10/ 1 TIME - 8:00

PRESSURES

1	-	26.64940	2	-	26.65930
3	-	26.65110	4	-	26.65590
5	-	26.65470	6	-	26.65910

AVG PRESSURE 26.65447

RTD/S

1	63.653	2	66.928	3	66.484	4	66.497
5	66.561	6	66.796	7	66.921	8	65.516
9	66.663	10	66.438	11	66.542	12	66.904
13	67.954	14	67.318	15	23.022	16	22.265
17	20.731	18	18.832	19	17.988	20	17.822
21	17.305	22	72.252	23	70.391	24	71.389
25	71.577	26	72.606	27	66.627	28	68.539
29	71.228	30	70.435	31	67.784	32	71.630
33	64.611	34	71.145	35	70.017	36	71.683
37	65.197	38	67.912	39	70.091	40	70.728
41	68.652	42	73.007	43	70.288	44	70.531
45	70.051	46	71.270	INACT	44.786	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 60.935

DEW CELLS

1	39.123	2	39.510	3	40.494	4	14.090
5	16.775	6	38.684	INACT	49.003	INACT	0.000
INACT	14.517	INACT	61.703	INACT	18.722	INACT	63.134
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 36.111

AMBIENT PRESS - 14.5168

VAPOR PRESS - .1044178

DRY PRESSURE - 26.55005

FLOWS - 0 3.7372

TOTAL FLOW 3.7372

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

RECORD NUMBER - 97 DATE - 10/ 1 TIME - 8:15

PRESSURES

1	-	26.64840	2	-	26.65820
3	-	26.65020	4	-	26.65490
5	-	26.65380	6	-	26.65810

AVG PRESSURE 26.65346

RTD/S

1	63.637	2	66.913	3	66.415	4	66.515
5	66.576	6	66.803	7	66.928	8	65.543
9	66.712	10	66.563	11	66.558	12	66.899
13	67.662	14	67.260	15	23.144	16	22.398
17	20.788	18	18.912	19	17.994	20	17.822
21	17.296	22	72.275	23	70.433	24	71.389
25	71.597	26	72.595	27	66.607	28	68.539
29	71.186	30	70.457	31	67.753	32	71.619
33	64.600	34	71.241	35	70.017	36	71.876
37	65.143	38	67.901	39	70.038	40	70.720
41	68.641	42	72.987	43	70.288	44	70.508
45	69.988	46	71.259	INACT	45.815	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 60.935

DEW CELLS

1	39.127	2	39.420	3	40.324	4	13.910
5	16.860	6	38.594	INACT	48.841	INACT	0.000
INACT	14.516	INACT	61.745	INACT	17.970	INACT	63.390
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 36.054

AMBIENT PRESS - 14.5162

VAPOR PRESS - .1041782

DRY PRESSURE - 26.54929

FLOWS - 0 3.6605

TOTAL FLOW 3.6605

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

RECORD NUMBER - 98 DATE - 10/ 1 TIME - 8:30

PRESSURES

1	-	26.64740	2	-	26.65710
3	-	26.64930	4	-	26.65390
5	-	26.65260	6	-	26.65710

AVG PRESSURE 26.65243

RTD/S

1	63.632	2	66.906	3	66.495	4	66.433
5	66.572	6	66.787	7	66.952	8	65.505
9	66.694	10	66.342	11	66.551	12	66.913
13	67.689	14	67.276	15	23.182	16	22.392
17	20.815	18	18.916	19	17.988	20	17.833
21	17.296	22	72.295	23	70.368	24	71.366
25	71.577	26	72.584	27	66.596	28	68.528
29	71.175	30	70.457	31	67.753	32	71.630
33	64.577	34	71.080	35	70.104	36	71.994
37	65.143	38	67.890	39	69.942	40	70.708
41	68.632	42	72.976	43	70.266	44	70.500
45	69.955	46	71.248	INACT	46.104	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 60.929

DEW CELLS

1	39.035	2	39.420	3	40.320	4	13.824
5	16.863	6	38.594	INACT	48.659	INACT	0.000
INACT	14.518	INACT	61.906	INACT	17.974	INACT	63.560
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 36.019

AMBIENT PRESS - 14.5176

VAPOR PRESS - .1040348

DRY PRESSURE - 26.5484

FLOWS - 0 3.6598

TOTAL FLOW 3.6598

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

RECORD NUMBER - 99 DATE - 10/ 1 TIME - 8:45

PRESSURES

1	-	26.64660	2	-	26.65610
3	-	26.64820	4	-	26.65280
5	-	26.65170	6	-	26.65600

AVG PRESSURE 26.65146

RTD/S

1	63.641	2	66.906	3	66.442	4	66.497
5	66.581	6	66.808	7	66.887	8	65.528
9	66.663	10	66.384	11	66.531	12	66.935
13	67.218	14	67.245	15	23.308	16	22.509
17	20.879	18	18.949	19	17.979	20	17.833
21	17.296	22	72.295	23	70.315	24	71.389
25	71.577	26	72.584	27	66.585	28	68.506
29	71.152	30	70.446	31	67.753	32	71.588
33	64.588	34	71.187	35	70.006	36	72.144
37	65.143	38	67.890	39	69.877	40	70.686
41	68.610	42	72.923	43	70.257	44	70.477
45	69.923	46	71.248	INACT	46.807	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 60.919

DEW CELLS

1	38.950	2	39.334	3	40.235	4	13.827
5	16.863	6	38.513	INACT	48.491	INACT	0.000
INACT	14.519	INACT	61.926	INACT	17.971	INACT	63.497
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 35.946

AMBIENT PRESS - 14.5186

VAPOR PRESS - .103737

DRY PRESSURE - 26.54773

FLOWS - 0 3.6608

TOTAL FLOW 3.6608

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

RECORD NUMBER - 100 DATE - 10/ 1 TIME - 9:00

PRESSURES

1	-	26.64540	2	-	26.65520
3	-	26.64720	4	-	26.65180
5	-	26.65070	6	-	26.65510

AVG PRESSURE 26.65044

RTD/S

1	63.641	2	66.895	3	66.408	4	66.529
5	66.561	6	66.776	7	66.899	8	65.505
9	66.598	10	66.514	11	66.520	12	66.935
13	67.593	14	67.253	15	23.361	16	22.624
17	20.879	18	18.938	19	17.988	20	17.822
21	17.296	22	72.317	23	70.261	24	71.324
25	71.588	26	72.584	27	66.573	28	68.464
29	71.121	30	70.489	31	67.730	32	71.597
33	64.600	34	71.283	35	70.017	36	71.898
37	65.090	38	67.879	39	69.908	40	70.666
41	68.587	42	72.911	43	70.245	44	70.466
45	69.912	46	71.239	INACT	48.221	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 60.921

DEW CELLS

1	38.865	2	39.248	3	40.147	4	13.995
5	16.863	6	38.509	INACT	48.141	INACT	0.000
INACT	14.520	INACT	61.872	INACT	17.971	INACT	63.475
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 35.901

AMBIENT PRESS - 14.5202

VAPOR PRESS - .1035489

DRY PRESSURE - 26.5469

FLOWS - 0 3.6605

TOTAL FLOW 3.6605

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

RECORD NUMBER - 101 DATE - 10/ 1 TIME - 9:15

PRESSURES

1 -	26.64450	2 -	26.65460
3 -	26.64620	4 -	26.65090
5 -	26.64980	6 -	26.65410

AVG PRESSURE 26.64961

RTD/S

1	63.632	2	66.895	3	66.419	4	66.509
5	66.550	6	66.776	7	66.887	8	65.496
9	66.630	10	66.342	11	66.531	12	66.870
13	67.463	14	67.287	15	23.297	16	22.624
17	20.899	18	18.991	19	17.988	20	17.833
21	17.296	22	72.275	23	70.348	24	71.301
25	71.588	26	72.573	27	66.573	28	68.497
29	71.099	30	70.477	31	67.719	32	71.565
33	64.577	34	71.006	35	70.071	36	71.791
37	65.121	38	67.879	39	69.855	40	70.666
41	68.578	42	72.923	43	70.234	44	70.455
45	69.901	46	71.228	INACT	54.924	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 60.904

DEW CELLS

1	38.865	2	39.159	3	40.151	4	13.913
5	16.864	6	38.510	INACT	47.965	INACT	0.000
INACT	14.520	INACT	61.906	INACT	17.969	INACT	63.551
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 35.890

AMBIENT PRESS - 14.5204

VAPOR PRESS - .1035034

DRY PRESSURE - 26.54611

FLOWS - 0 3.66

TOTAL FLOW 3.66

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

RECORD NUMBER - 102 DATE - 10/ 1 TIME - 9:30

PRESSURES

1	-	26.64360	2	-	26.65320
3	-	26.64540	4	-	26.65000
5	-	26.64880	6	-	26.65310

AVG PRESSURE 26.64856

RTD/S

1	63.621	2	66.895	3	66.419	4	66.466
5	66.538	6	66.765	7	66.887	8	65.505
9	66.641	10	66.395	11	66.489	12	66.924
13	67.367	14	67.298	15	23.445	16	22.677
17	20.975	18	19.033	19	17.988	20	17.833
21	17.305	22	72.306	23	70.379	24	71.397
25	71.565	26	72.562	27	66.585	28	68.464
29	71.079	30	70.522	31	67.719	32	71.543
33	64.577	34	71.069	35	69.986	36	71.844
37	65.101	38	67.858	39	69.781	40	70.644
41	68.556	42	72.911	43	70.223	44	70.435
45	69.881	46	71.216	INACT	56.436	INACT	0:000
INACT	0.000	INACT	0.000				

AVG RTD 60.903

DEW CELLS

1	38.688	2	39.152	3	40.058	4	13.906
5	16.951	6	38.332	INACT	47.433	INACT	0.000
INACT	14.520	INACT	61.948	INACT	17.972	INACT	63.647
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 35.775

AMBIENT PRESS - 14.52

VAPOR PRESS - .1030342

DRY PRESSURE - 26.54553

FLOWS - 0 3.6596

TOTAL FLOW 3.6596

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

RECORD NUMBER - 103 DATE - 10/ 1 TIME - 9:45

PRESSURES

1	-	26.64260	2	-	26.65220
3	-	26.64440	4	-	26.64900
5	-	26.64790	6	-	26.65230

AVG PRESSURE 26.64758

RTD/S

1	63.621	2	66.886	3	66.408	4	66.497
5	66.527	6	66.754	7	66.867	8	65.485
9	66.641	10	66.418	11	66.509	12	66.839
13	67.570	14	67.276	15	23.531	16	22.710
17	20.963	18	19.033	19	17.988	20	17.833
21	17.305	22	72.275	23	70.368	24	71.324
25	71.588	26	72.584	27	66.565	28	68.464
29	71.036	30	70.500	31	67.710	32	71.554
33	64.568	34	71.328	35	69.997	36	71.692
37	65.078	38	67.836	39	69.663	40	70.623
41	68.536	42	72.902	43	70.203	44	70.423
45	69.838	46	71.205	INACT	59.415	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 60.904

DEW CELLS

1	38.599	2	38.976	3	39.967	4	13.824
5	16.948	6	38.358	INACT	47.265	INACT	0.000
INACT	14.522	INACT	61.990	INACT	17.972	INACT	63.743
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 35.716

AMBIENT PRESS - 14.5207

VAPOR PRESS - .1027941

DRY PRESSURE - 26.54479

FLOWS - 0 3.6599

TOTAL FLOW 3.6599

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

RECORD NUMBER - 104 DATE - 10/ 1 TIME - 10:00

PRESSURES

1	-	26.64150	2	-	26.65100
3	-	26.64330	4	-	26.64810
5	-	26.64690	6	-	26.65120

AVG PRESSURE 26.64649

RTD/S

1	63.599	2	66.886	3	66.388	4	66.401
5	66.527	6	66.734	7	66.910	8	65.485
9	66.694	10	66.438	11	66.520	12	66.861
13	67.934	14	67.287	15	23.635	16	22.741
17	21.028	18	19.086	19	17.988	20	17.844
21	17.316	22	72.284	23	70.368	24	71.301
25	71.588	26	72.573	27	66.542	28	68.444
29	71.014	30	70.531	31	67.688	32	71.597
33	64.568	34	71.080	35	69.986	36	71.833
37	65.078	38	67.847	39	69.694	40	70.612
41	68.525	42	72.838	43	70.192	44	70.401
45	69.827	46	71.205	INACT	60.633	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 60.912

DEW CELLS

1	38.599	2	38.882	3	39.881	4	13.916
5	16.948	6	38.089	INACT	46.913	INACT	0.000
INACT	14.525	INACT	62.086	INACT	17.978	INACT	63.966
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 35.625

AMBIENT PRESS - 14.5206

VAPOR PRESS - .102423

DRY PRESSURE - 26.54406

FLOWS - 0 3.6587

TOTAL FLOW 3.6587

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

RECORD NUMBER - 105 DATE - 10/ 1 TIME - 10:15

PRESSURES

1 -	26.64060	2 -	26.65050
3 -	26.64250	4 -	26.64710
5 -	26.64600	6 -	26.65030

AVG PRESSURE 26.64570

RTD/S

1	63.617	2	66.881	3	66.437	4	66.428
5	66.545	6	66.738	7	66.894	8	65.481
9	66.616	10	66.402	11	66.516	12	66.919
13	67.225	14	67.303	15	23.715	16	22.737
17	21.107	18	19.133	19	18.005	20	17.844
21	17.316	22	72.230	23	70.413	24	71.335
25	71.577	26	72.584	27	66.542	28	68.421
29	70.992	30	70.553	31	67.688	32	71.512
33	64.568	34	70.962	35	69.975	36	71.715
37	65.036	38	67.858	39	69.598	40	70.601
41	68.514	42	72.838	43	70.181	44	70.392
45	69.827	46	71.205	INACT	64.638	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 60.887

DEW CELLS

1	38.514	2	38.886	3	39.879	4	13.827
5	16.860	6	37.987	INACT	46.578	INACT	0.000
INACT	14.531	INACT	62.300	INACT	17.972	INACT	64.180
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 35.557

AMBIENT PRESS - 14.5186

VAPOR PRESS - .102148

DRY PRESSURE - 26.54356

FLOWS - 0 3.6581

TOTAL FLOW 3.6581

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

RECORD NUMBER - 106 DATE - 10/ 1 TIME - 10:30

PRESSURES

1	-	26.63980	2	-	26.64920
3	-	26.64160	4	-	26.64620
5	-	26.64510	6	-	26.64930

AVG PRESSURE 26.64471

RTD/S

1	63.599	2	66.886	3	66.431	4	66.379
5	66.518	6	66.734	7	66.887	8	65.485
9	66.630	10	66.331	11	66.520	12	66.913
13	67.390	14	67.318	15	23.890	16	22.806
17	21.123	18	19.182	19	17.999	20	17.844
21	17.316	22	72.275	23	70.413	24	71.248
25	71.588	26	72.584	27	66.542	28	68.390
29	70.949	30	70.585	31	67.677	32	71.492
33	64.568	34	71.080	35	70.082	36	71.757
37	65.078	38	67.836	39	69.578	40	70.579
41	68.491	42	72.804	43	70.161	44	70.381
45	69.805	46	71.185	INACT	66.279	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 60.895

DEW CELLS

1	38.337	2	38.886	3	39.793	4	13.821
5	17.039	6	38.180	INACT	46.221	INACT	0.000
INACT	14.535	INACT	62.503	INACT	17.978	INACT	64.318
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 35.552

AMBIENT PRESS - 14.5177

VAPOR PRESS - .1021272

DRY PRESSURE - 26.54258

FLOWS - 0 3.6575

TOTAL FLOW 3.6575

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

RECORD NUMBER - 107 DATE - 10/ 1 TIME - 10:45

PRESSURES

1	-	26.63880	2	-	26.64850
3	-	26.64060	4	-	26.64540
5	-	26.64420	6	-	26.64840

AVG PRESSURE 26.64384

RTD/S

1	63.599	2	66.864	3	66.399	4	66.422
5	66.550	6	66.734	7	66.887	8	65.474
9	66.663	10	66.460	11	66.478	12	66.881
13	67.133	14	67.245	15	24.018	16	22.921
17	21.185	18	19.266	19	18.010	20	17.855
21	17.327	22	72.317	23	70.379	24	71.248
25	71.577	26	72.584	27	66.520	28	68.345
29	70.929	30	70.596	31	67.666	32	71.447
33	64.557	34	71.049	35	69.997	36	71.853
37	65.067	38	67.836	39	69.631	40	70.570
41	68.482	42	72.773	43	70.170	44	70.359
45	69.794	46	71.196	INACT	67.571	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 60.888

DEW CELLS

1	38.422	2	38.707	3	39.708	4	14.090
5	16.951	6	38.184	INACT	45.695	INACT	0.000
INACT	14.539	INACT	62.695	INACT	17.971	INACT	64.436
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 35.553

AMBIENT PRESS - 14.5165

VAPOR PRESS - .1021286

DRY PRESSURE - 26.54171

FLOWS - 0 3.657

TOTAL FLOW 3.657

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

RECORD NUMBER - 108 DATE - 10/ 1 TIME - 11:00

PRESSURES

1	-	26.63810	2	-	26.64730
3	-	26.63990	4	-	26.64450
5	-	26.64330	6	-	26.64760

AVG PRESSURE 26.64294

RTD/S

1	63.599	2	66.864	3	66.399	4	66.422
5	66.527	6	66.743	7	66.878	8	65.474
9	66.630	10	66.299	11	66.478	12	66.839
13	67.539	14	67.253	15	24.240	16	22.974
17	21.218	18	19.341	19	17.999	20	17.855
21	17.327	22	72.252	23	70.379	24	71.270
25	71.588	26	72.573	27	66.520	28	68.390
29	70.884	30	70.585	31	67.657	32	71.458
33	64.577	34	71.006	35	69.997	36	71.800
37	65.121	38	67.825	39	69.578	40	70.559
41	68.471	42	72.753	43	70.149	44	70.350
45	69.785	46	71.185	INACT	68.658	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 60.896

DEW CELLS

1	38.337	2	38.621	3	39.617	4	13.913
5	16.863	6	37.925	INACT	45.533	INACT	0.000
INACT	14.544	INACT	62.845	INACT	17.976	INACT	64.544
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 35.416

AMBIENT PRESS - 14.516

VAPOR PRESS - .1015771

DRY PRESSURE - 26.54136

FLOWS - 0 3.6568

TOTAL FLOW 3.6568

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

RECORD NUMBER - 109 DATE - 10/ 1 TIME - 11:15

PRESSURES

1	-	26.63710	2	-	26.64640
3	-	26.63900	4	-	26.64350
5	-	26.64240	6	-	26.64670

AVG PRESSURE 26.64200

RTD/S

1	63.583	2	66.868	3	66.404	4	66.426
5	66.512	6	66.727	7	66.872	8	65.467
9	66.676	10	66.293	11	66.502	12	66.875
13	68.142	14	67.249	15	24.362	16	22.990
17	21.253	18	19.441	19	18.003	20	17.849
21	17.321	22	72.268	23	70.373	24	71.359
25	71.581	26	72.566	27	66.504	28	68.394
29	70.880	30	70.580	31	67.650	32	71.474
33	64.582	34	71.064	35	69.990	36	71.911
37	65.052	38	67.809	39	69.560	40	70.548
41	68.449	42	72.762	43	70.149	44	70.339
45	69.774	46	71.174	INACT	72.663	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 60.919

DEW CELLS

1	38.248	2	38.628	3	39.615	4	13.912
5	16.951	6	37.738	INACT	45.182	INACT	0.000
INACT	14.547	INACT	62.983	INACT	17.975	INACT	64.640
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 35.346

AMBIENT PRESS - 14.5173

VAPOR PRESS - .1012915

DRY PRESSURE - 26.54071

FLOWS - 0 3.6566

TOTAL FLOW 3.6566

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

RECORD NUMBER - 110 DATE - 10/ 1 TIME - 11:30

PRESSURES

1	-	26.63640	2	-	26.64550
3	-	26.63820	4	-	26.64260
5	-	26.64150	6	-	26.64580

AVG PRESSURE 26.64117

RTD/S

1	63.610	2	66.852	3	66.388	4	66.390
5	66.527	6	66.723	7	66.867	8	65.463
9	66.663	10	66.395	11	66.489	12	66.828
13	67.218	14	67.211	15	24.579	16	23.102
17	21.302	18	19.520	19	18.021	20	17.866
21	17.327	22	72.210	23	70.283	24	71.324
25	71.577	26	72.606	27	66.500	28	68.345
29	70.842	30	70.585	31	67.645	32	71.458
33	64.568	34	71.006	35	70.006	36	71.822
37	65.121	38	67.816	39	69.417	40	70.530
41	68.442	42	72.713	43	70.120	44	70.321
45	69.756	46	71.156	INACT	72.663	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 60.887

DEW CELLS

1	38.167	2	38.621	3	39.530	4	13.998
5	17.039	6	37.741	INACT	44.831	INACT	0.000
INACT	14.550	INACT	63.106	INACT	17.974	INACT	64.718
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 35.317

AMBIENT PRESS - 14.5155

VAPOR PRESS - .1011747

DRY PRESSURE - 26.54

FLOWS - 0 3.6558

TOTAL FLOW 3.6558

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

RECORD NUMBER - 111 DATE - 10/ 1 TIME - 11:45

PRESSURES

1	-	26.63560	2	-	26.64470
3	-	26.63730	4	-	26.64180
5	-	26.64070	6	-	26.64500

AVG PRESSURE 26.64036

RTD/S

1	63.588	2	66.852	3	66.388	4	66.348
5	66.518	6	66.723	7	66.878	8	65.452
9	66.621	10	66.364	11	66.489	12	66.870
13	67.378	14	67.233	15	24.548	16	23.122
17	21.397	18	19.722	19	18.041	20	17.860
21	17.332	22	72.226	23	70.384	24	71.230
25	71.570	26	72.577	27	66.493	28	68.341
29	70.835	30	70.589	31	67.628	32	71.516
33	64.562	34	71.011	35	69.990	36	71.891
37	65.061	38	67.809	39	69.421	40	70.525
41	68.429	42	72.708	43	70.127	44	70.316
45	69.763	46	71.163	INACT	73.548	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 60.893

DEW CELLS

1	38.337	2	38.529	3	39.531	4	13.824
5	17.039	6	37.751	INACT	44.651	INACT	0.000
INACT	14.554	INACT	63.228	INACT	17.767	INACT	64.863
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 35.361

AMBIENT PRESS - 14.5134

VAPOR PRESS - .1013519

DRY PRESSURE - 26.53901

FLOWS - 0 3.6347

TOTAL FLOW 3.6347

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

RECORD NUMBER - 112 DATE - 10/ 1 TIME - 12:00

PRESSURES

1	-	26.63450	2	-	26.64360
3	-	26.63650	4	-	26.64080
5	-	26.63970	6	-	26.64410

AVG PRESSURE 26.63933

RTD/S

1	63.579	2	66.832	3	66.419	4	66.401
5	66.527	6	66.712	7	66.856	8	65.443
9	66.652	10	66.449	11	66.478	12	66.861
13	67.593	14	67.222	15	24.769	16	23.240
17	21.439	18	19.965	19	18.063	20	17.860
21	17.332	22	72.268	23	70.330	24	71.167
25	71.581	26	72.566	27	66.482	28	68.318
29	70.793	30	70.622	31	67.628	32	71.516
33	64.562	34	70.977	35	69.957	36	71.462
37	65.083	38	67.798	39	69.377	40	70.505
41	68.406	42	72.730	43	70.127	44	70.305
45	69.731	46	71.163	INACT	73.047	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 60.893

DEW CELLS

1	38.075	2	38.360	3	39.446	4	14.083
5	17.039	6	37.748	INACT	44.489	INACT	0.000
INACT	14.558	INACT	63.378	INACT	17.766	INACT	64.916
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 35.251

AMBIENT PRESS - 14.5131

VAPOR PRESS - .1009127

DRY PRESSURE - 26.53842

FLOWS - 0 3.6339

TOTAL FLOW 3.6339

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

RECORD NUMBER - 113 DATE - 10/ 1 TIME - 12:15

PRESSURES

1	-	26.63370	2	-	26.64280
3	-	26.63550	4	-	26.64010
5	-	26.63890	6	-	26.64320

AVG PRESSURE 26.63851

RTD/S

1	63.546	2	66.832	3	66.377	4	66.370
5	66.476	6	66.680	7	66.867	8	65.432
9	66.587	10	66.576	11	66.467	12	66.839
13	67.410	14	67.202	15	24.769	16	23.229
17	21.504	18	20.198	19	18.063	20	17.871
21	17.343	22	72.226	23	70.384	24	71.230
25	71.581	26	72.577	27	66.482	28	68.296
29	70.762	30	70.600	31	67.628	32	71.431
33	64.551	34	71.011	35	69.979	36	71.301
37	65.105	38	67.787	39	69.292	40	70.494
41	68.406	42	72.699	43	70.107	44	70.296
45	69.731	46	71.152	INACT	75.056	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 60.876

DEW CELLS

1	37.990	2	38.267	3	39.354	4	13.735
5	17.043	6	37.645	INACT	43.957	INACT	0.000
INACT	14.561	INACT	63.485	INACT	17.766	INACT	64.961
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 35.158

AMBIENT PRESS - 14.5132

VAPOR PRESS - .1005377

DRY PRESSURE - 26.53798

FLOWS - 0 3.6342

TOTAL FLOW 3.6342

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

RECORD NUMBER - 114 DATE - 10/ 1 TIME - 12:30

PRESSURES

1	-	26.63290	2	-	26.64180
3	-	26.63470	4	-	26.63920
5	-	26.63810	6	-	26.64230

AVG PRESSURE 26.63763

RTD/S

1	63.537	2	66.821	3	66.346	4	66.348
5	66.485	6	66.669	7	66.867	8	65.432
9	66.621	10	66.395	11	66.447	12	66.850
13	67.294	14	67.287	15	25.035	16	23.346
17	21.546	18	20.228	19	18.063	20	17.866
21	17.338	22	72.230	23	70.337	24	71.301
25	71.597	26	72.562	27	66.446	28	68.336
29	70.757	30	70.576	31	67.612	32	71.416
33	64.535	34	71.091	35	70.028	36	71.683
37	65.067	38	67.771	39	69.223	40	70.494
41	68.386	42	72.666	43	70.116	44	70.285
45	69.731	46	71.152	INACT	75.161	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 60.886

DEW CELLS

1	37.900	2	38.262	3	39.350	4	13.909
5	17.123	6	37.550	INACT	43.774	INACT	0.000
INACT	14.562	INACT	63.561	INACT	17.762	INACT	65.014
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 35.116

AMBIENT PRESS - 14.5105

VAPOR PRESS - .1003697

DRY PRESSURE - 26.53726

FLOWS - 0 3.6333

TOTAL FLOW 3.6333

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

RECORD NUMBER - 115 DATE - 10/ 1 TIME - 12:45

PRESSURES

1	-	26.63200	2	-	26.64110
3	-	26.63380	4	-	26.63820
5	-	26.63720	6	-	26.64140

AVG PRESSURE 26.63678

RTD/S

1	63.568	2	66.821	3	66.451	4	66.359
5	66.496	6	66.712	7	66.845	8	65.421
9	66.630	10	66.235	11	66.498	12	66.839
13	67.271	14	67.245	15	25.130	16	23.388
17	21.641	18	20.654	19	18.083	20	17.866
21	17.349	22	72.221	23	70.413	24	71.281
25	71.565	26	72.595	27	66.446	28	68.314
29	70.735	30	70.585	31	67.612	32	71.438
33	64.546	34	71.080	35	70.017	36	71.757
37	65.025	38	67.794	39	69.169	40	70.474
41	68.375	42	72.654	43	70.085	44	70.263
45	69.709	46	71.131	INACT	72.791	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 60.897

DEW CELLS

1	37.816	2	38.262	3	39.176	4	13.909
5	17.039	6	37.456	INACT	43.612	INACT	0.000
INACT	14.564	INACT	63.623	INACT	17.764	INACT	65.088
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 35.026

AMBIENT PRESS - 14.5097

VAPOR PRESS - .1000125

DRY PRESSURE - 26.53677

FLOWS - 0 3.6335

TOTAL FLOW 3.6335

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

RECORD NUMBER - 116 DATE - 10/ 1 TIME - 13:00

PRESSURES

1	-	26.63100	2	-	26.64020
3	-	26.63310	4	-	26.63750
5	-	26.63640	6	-	26.64060

AVG PRESSURE 26.63592

RTD/S

1	63.557	2	66.832	3	66.377	4	66.379
5	66.465	6	66.680	7	66.834	8	65.452
9	66.652	10	66.299	11	66.455	12	66.861
13	67.539	14	67.245	15	25.332	16	23.472
17	21.652	18	20.833	19	18.094	20	17.871
21	17.343	22	72.214	23	70.330	24	71.275
25	71.570	26	72.566	27	66.428	28	68.296
29	70.728	30	70.589	31	67.596	32	71.409
33	64.528	34	70.935	35	69.937	36	71.677
37	65.052	38	67.756	39	69.078	40	70.463
41	68.364	42	72.623	43	70.085	44	70.263
45	69.720	46	71.131	INACT	72.960	INACT	0.000
INACT	0.000	INACT	0.000				

AVG RTD 60.896

DEW CELLS

1	37.816	2	38.090	3	39.176	4	13.912
5	17.123	6	37.279	INACT	43.423	INACT	0.000
INACT	14.565	INACT	63.688	INACT	17.764	INACT	65.142
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 34.970

AMBIENT PRESS - 14.5072

VAPOR PRESS - 9.979016E-02

DRY PRESSURE - 26.53613

FLOWS - 0 3.6335

TOTAL FLOW 3.6335

TYPE A TEST RESULTS		
MASS POINT	AS FOUND % Weight / Day	AS LEFT % Weight / Day
Least Squares Fit Leak Rate (L_{am})	-0.00837	-0.00837
95% UCL Leak Rate	-0.00299	-0.00299
LLRT (Type B & C) Adjustments	0.00379	0.00379
Other Adjustments (Repaired Valve Leakage)	0.00416	0
Total (Lines 2, 3, & 4)	0.00496	0.0008
TOTAL TIME		
Least Squares Fit Leak Rate (L_{am})	-0.0010	-0.0010
95% UCL Leak Rate	0.07921	0.07921
LLRT (Type B & C) Adjustments	0.00379	0.00379
Other Adjustments (Repaired Valve Leakage)	0.00416	0
Total (Lines 2, 3, & 4)	0.08716	0.083

VERIFICATION TEST RESULTS	
TOTAL TIME	
Superimposed Leakage Rate (L_o)	.2426 % Wt/Day
LSF Leak Rate - Type A Test (L_{am})	-0.0010 % Wt/Day
.25 L_a	.0625 % Wt/Day
LSF Leak Rate During Verification Test (L_c)	.2039 % Wt/Day
$(L_o + L_{am} - .25\ L_a) \leq L_c \leq (L_o + L_{am} + .25\ L_a)$	
$(.2426 + (-.0010) - .0625) \leq .2039 \leq (.2426 + (-.001) + .0625)$	
$.1791 \leq .2039 \leq .3041$	
MASS POINT	
Superimposed Leakage Rate (L_o)	.2426 % Wt/Day
LSF Leak Rate - Type A Test (L_{am})	-.00837 % Wt/Day
.25 L_a	.0625 % Wt/Day
LSF Leak Rate During Verification Test (L_c)	.2064 % Wt/Day
$(L_o + L_{am} - .25\ L_a) \leq L_c \leq (L_o + L_{am} + .25\ L_a)$	
$(.2426 + (-.00837) - .0625) \leq .2064 \leq (.2426 + (-.00837) + .0625)$	
$.1717 \leq .2064 \leq .2967$	

1990 - 1992 LLRT AS FOUND & AS LEFT DATA

TYPE C

TEST STEP	PEN NO.	DESCRIPTION	1992 SCCM AS FOUND	1992 SCCM AS LEFT	1990 SCCM AS FOUND	1990 SCCM AS LEFT
001	CPN-17 CPN-21	CLV #1 (WCR-900, WCR-902)	0	0	0	0
002	CPN-17 CPN-21	CLV #1 (WCR-901, WCR-903)	0	0	0	0
003	CPN-20 CPN-24	CLV #4 (WCR-912, WCR-914)	202.66	202.660	0	0
004	CPN-20	CLV #4 (WCR-913, WCR-915)	0	0	0	0
005	CPN-26	CUV #1 (WCR-920, WCR-922)	0	0	0	0
006	CPN-26	CUV #1 (WCR-921, WCR-923)	0	0	0	0
007	CPN-84	CUV #4 (WCR-932, WCR-934)	0	0	0	0
008	CPN-84	CUV #4 (WCR-933, WCR-935)	0	0	0	0
009	CPN-26	RCP #1 Motor Cooler (WCR-941, WCR-945)	0	0	0	0
010	CPN-26	RCP #1 Motor Cooler (WCR0951, WCR-955)	0	0	0	0

1990 - 1992 LLRT AS FOUND & AS LEFT DATA

TYPE C

TEST STEP	PEN NO.	DESCRIPTION	1992 SCCM AS FOUND	1992 SCCM AS LEFT	1990 SCCM AS FOUND	1990 SCCM AS LEFT
011	CPN-84	RCP #4 Motor Cooler (WCR-944, WCR-948)	0	0	0	0
012	CPN-84	RCP #4 Motor Cooler (WCR-954, WCR-958)	0	0	0	0
013	CPN-18 CPN-22	CLV #2 (WCR-904, WCR-906)	0	0	0	0
014	CPN-18 CPN-22	CLV #2 (WCR-905, WCR-907)	0	0	0	0
015	CPN-19 CPN-23	CLV #3 (WCR-908, WCR-910)	0	0	50.1	50.1
016	CPN-19 CPN-23	CLV #3 (WCR-909, WCR-911)	200.94	200.94	0	0
017	CPN-27	CUV #2 (WCR-924, WCR-926)	0	0	0	0
018	CPN-27	CUV #2 (WCR-925, WCR-927)	0	0	132.1	132.10
019	CPN-85	CUV #3 (WCR-928, WCR-930)	0	0	0	0
020	CPN-85	CUV #3 (WCR-929, WCR-931)	0	0	35.6	35.6

1990 - 1992 LLRT AS FOUND & AS LEFT DATA

TYPE C

TEST STEP	PEN NO.	DESCRIPTION	1992 SCCM AS FOUND	1992 SCCM AS LEFT	1990 SCCM AS FOUND	1990 SCCM AS LEFT
021	CPN-27	RCP #2 Motor Cooler (WCR-942, WCR-946)	0	0	0	0
022	CPN-27	RCP #2 Motor Cooler (WCR-952, WCR-956)	0	0	85.6	85.6
023	CPN-85	RCP #3 Motor Cooler (WCR-943, WCR-947)	20.13	20.13	0	0
024	CPN-85	RCP #3 Motor Cooler (WCR-953, WCR-957)	0	0	40.1	0
025	CPN-73	Instrument Room East (WCR-960, WCR-962)	0	0	40.9	40.9
026	CPN-73	Instrument Room East (WCR-961, WCR-963)	0	0	0	0
027	CPN-73	Instrument Room West (WCR-964, WCR-966)	40.0	40.0	0	0
028	CPN-73	Instrument Room West (WCR-965, WCR-967)	0	0	35.8	35.8
029	CPN-61	Instrument Room Supply 612' (VCR-101, VCR-201)	25.0	20.12	0	96.35
030	CPN-62	Instrument Room Exhaust 612' (VCR-102, VCR-202)	160.6	160.6	0	0

1990 - 1992 LLRT AS FOUND & AS LEFT DATA

TYPE C

TEST STEP	PEN NO.	DESCRIPTION	1992 SCCM AS FOUND	1992 SCCM AS LEFT	1990 SCCM AS FOUND	1990 SCCM AS LEFT
031	CPN-64	Lower Supply 633' (VCR-104, VCR-203)	124.77	0	752.05	85.65
032	CPN-63	Lower Exhaust 633' (VCR-104, VCR-204)	1643.81	1149.97	1095.85	1095.85
033	CPN-59	Cntmt Vent Upper Supply 650' (VCR-105, VCR-205)	350.0	70.07	524.95	1049.95
034	CPN-60	Cntmt Vent Upper Supply 650' (VCR-106, VCR-206)	426.97	426.97	67.30	425.8
035	CPN-65	Pressure Equalization 650' (VCR-107, VCR-207)	0	0	42.75	15.0
036	CPN-95	H_2 Return Line (ECR-10, ECR-20)	60.28	60.28	20.3	20.3
037	CPN-95	ESR-1 (ECR-11, ECR-21)	0	0	0	0
038	CPN-95	ESR-2 (ECR-12, ECR-22)	0	0	0	0
039	CPN-95	ESR-3 (ECR-13, ECR-23)	0	0	10.15	10.15
040	CPN-93	ESR-4 (ECR-14, ECR-24)	0	0	0	0
041	CPN-95	ESR-5 (ECR-15, ECR-25)	0	0	0	0
042	CPN-93	ESR-6 (ECR-16, ECR-26)	0	0	0	0
043	CPN-93	ESR-7 (ECR-17, ECR-27)	0	0	0	0

1990 - 1992 LLRT AS FOUND & AS LEFT DATA

TYPE C

TEST STEP	PEN NO.	DESCRIPTION	1992 SCCM AS FOUND	1992 SCCM AS LEFT	1990 SCCM AS FOUND	1990 SCCM AS LEFT
044	CPN-93	ESR-8 (ECR-18, ECR-28)	0	0	0	0
045	CPN-93	ESR-9 (ECR-19, ECr-29)	0	0	0	0
046	CPN-11	RCP #1 Seal HO (CS-442-1)	0	20.6	UNKNOWN	40.2
047	CPN-14	RCP #4 Seal HO (CS-442-4)	0	0	0	0
048	CPN-12	RCP #2 Seal HO (CS-44202)	0	49.91	0	0
049	CPN-13	RCP #3 Seal HO (CS-442-3)	65.0	69.74	UNKNOWN	65.7
050	CPN-15	Relief Valve Header to PRT (SI-189)	20.38	20.38	40.3	709.3
051	CPN-70	Air Particulate/Radioactive Gas Monitor (SM-1)	0	20.25	0	0
052	CPN-32	N_2 to Accumulators (N-102)	238.88	40.53	0	0
053	CPN-74	N_2 to PRT (N-159)	119.77	119.77	106.1	106.1
054	CPN-33	PW to PRT (PW-275)	0	0	0	0
055	CPN-35	Charging to Regen Heat Exchanger (CS-321)	451.26	451.26	90.5	90.5

1990 - 1992 LLRT AS FOUND & AS LEFT DATA

TYPE C

TEST STEP	PEN NO.	DESCRIPTION	1992 SCCM AS FOUND	1992 SCCM AS LEFT	1990 SCCM AS FOUND	1990 SCCM AS LEFT
056	CPN-30	Dead Weight Calibrator (NPX-151-V1)	0	0	0	0
057	CPN-86	Glycol Return (VCR-10, VCR-11)	148.46	148.46	0	0
058	CPN-56	Glycol Return (VCR-20, VCR-21)	84.05	84.05	0	0
059	CPN-31	N_2 and Vent Head for RCDT(DCR-203, DCR-207)	0	0	0	0
060	CPN-31	N_2 & Vent head for RCDT (N-160, DCR-201)	0	0	298.9	298.9
061	CPN-31	Ice Condenser AHU Drain Header (DCR-610,DCR-611)	14.97	14.97	0	0
062	CPN-31	CLV & CUV Drain Header (DCR-620, DCR-621)	9.93	9.93	3464.25	27.45
063	CPN-40	RCDT Drain Header (DCR-205, DCR-206)	0	0	0	0
064	CPN-41	Cntmt Sump to Holdup Tanks (DCR-600,DCR-601)	0	0	0	0
065	CPN-34	Letdown (QCR-300)	0	0	0	0
066	CPN-34	Letdown (QCR-301)	0	0	0	0

1990 - 1992 LLRT AS FOUND & AS LEFT DATA

TYPE C

TEST STEP	PEN NO.	DESCRIPTION	1992 SCCM AS FOUND	1992 SCCM AS LEFT	1990 SCCM AS FOUND	1990 SCCM AS LEFT
067	CPN-37	RCP Seal HO Return (QCM-250, QCM-350)	69.74	69.74	0	10.05
068	CPN-45	RHR Recirc East (ICM-305)	9.93	10.10	2252	114.35
069	CPN-46	RHR Recirc West (ICM-306)	9.94	0	10.05	39.7
070	CPN-36	Demin. HO for Reactor Cav. Scrub (QCR-919,QCR-920)	0	0	0	0
071	CPN-36	Refueling H_2O to Reactor Cav. (SF-151, SF-153)	0	120.22	582.05	0
072	CPN-42	Refueling Cavity Drain (SF-159, SF-160)	0	0	54.5	54.5
073	CPN-66	NSX-101,103 Hot Leg Samples(NCR105,NCR106)	0	0	0	0
074	CPN-66	NSX-102 Press. Liquid Sample(NCR107,NCR108)	0	0	0	0
075	CPN-66	NSX-104 Press. Steam Sample(NCR109,NCR110)	0	0	0	0
076	CPN-81	NSI-52 PRT Sample (RCR-100, RCR-101)	0	0	0	0
077	CPN-81	DSI-201 RCDT Sample (DCR-202,DCR-201)	0	0	0	0

1990 - 1992 LLRT AS FOUND & AS LEFT DATA

TYPE C

TEST STEP	PEN NO.	DESCRIPTION	1992 SCCM AS FOUND	1992 SCCM AS LEFT	1990 SCCM AS FOUND	1990 SCCM AS LEFT
078	CPN-81	ISX-1,2,3,4 Accumulator Samples(ICR-5,ICR-6)	0	0	0	0
079	CPN-31	Air Particulate/Radioactive GasMonitor(ECR33,ECR35)	20.08	20.08	0	0
080	CPN-43	North SI Discharge (ICM-260)	74.58	119.78	878.25	62.4
081	CPN-68	South SI Discharge (ICM-265)	821.91	0	424.2	0
082	CPN-32	Air Particulate/Radioactive GasMonitor(ECR31,ECR32)	15.06	15.06	29.90	29.90
083	CPN-74	Control Air to Containment (XCR-100)	0	0	0	0
084	CPN-29	Control Air to Containment (XCR-102)	0	0	0	0
085	CPN-74	N_2 to PRT (GCR-301)	0	0	0	0
086	CPN-32	N_2 to Accumulators (GCR-314)	20.04	0	0	0
087	CPN-32	Safety Injuection Test Line (Si-171,172,194)	0	0	0	0
088	CPN-33	PW to PRT (NCR-252)	0	0	0	0

1990 - 1992 LLRT AS FOUND & AS LEFT DATA

TYPE C

TEST STEP	PEN NO.	DESCRIPTION	1992 SCCM AS FOUND	1992 SCCM AS LEFT	1990 SCCM AS FOUND	1990 SCCM AS LEFT
089	CPN-39 CPN-38 CPN-58	CCW to & from RCP Oil Coolers/Thermal Barrier (CCM-452,454,458)	0	0	0	0
090	CPN-39 CPN-38 CPN-58	CCW to & from RCP Oil Coolers/Thermal Barrier (CCM-451,453,459)	0	0	0	0
091	CPN-75	CCW to & from Excess Letdown Heat Exchanger (CCR-460, CCR-462)	0	0	0	0
092	CPN-82	CCW to & from Reactor Supports(CCR457,CCW135)	0	0	0	0
093	CPN-82	CCW to & from Reactor Supports(CCR455,CCR456)	0	0	0	0
094	CPN-89	Grab Sample (SM-4,SM-6)	0	0	15.1	15.1
095	CPN-94	Cntmt Press. Phase A, Phase B Isolation (PPP-300)	0	0	0	0
096	CPN-92	Cntmt Press. Phase A, Phase B Isolation (PPP-301)	0	0	0	0
097	CPN-91	Cntmt Press. Phase A, Phase B Isolation (PPP-302)	0	0	0	0

1990 - 1992 LLRT AS FOUND & AS LEFT DATA

TYPE C

TEST STEP	PEN NO.	DESCRIPTION	1992 SCCM AS FOUND	1992 SCCM AS LEFT	1990 SCCM AS FOUND	1990 SCCM AS LEFT
098	CPN-96	Cntmt Press. Phase A, Phase B Isolation (PPP-303)	0	0	0	0
099	CPN-97	Cntmt Pressure Alarm (PPA-310, PPA-311)	0	0	0	0
100	CPN-98	Cntmt Pressure Alarm (PPP-312, PPA-313)	0	0	0	0
101	CPN-44	Boron Injection (ICM-251	0	60.0	0	0
102	CPN-44	Boron Injection (ICM-250)	0	0	0	0
103	CPN-83	Weld Channel Pressurization (CA-181S)	19.87	0	20.1	20.1
104	CPN-83	Weld Channel Pressurization (CA-181N)	258.06	0	149.7	149.7
105	CPN-89	Grab Sample (SM-8,SM-10)	10.01	10.01	15.5	15.5
106	CPN-25	CCW to CPN Coils 2 & 5, East (CCW-243-25)	0	0	0	0
107	CPN-25	CCW to CPN Coils 2 & 5, East (CCW-244-25)	0	0	0	0
108	CPN-72	CCW to CPN Coils 3 & 4, West (CCW-243-72)	0	0	0	0

1990 - 1992 LLRT AS FOUND & AS LEFT DATA

TYPE C

TEST STEP	PEN NO.	DESCRIPTION	1992 SCCM AS FOUND	1992 SCCM AS LEFT	1990 SCCM AS FOUND	1990 SCCM AS LEFT
109	CPN-25	CCW to CPN Coils 3 & 4, West (CCW-244-72)	0	0	0	0
110	CPN-25	CCW to CEQ-1 (CCM-430)	0	0	0	0
111	CPN-25	CCW from CEQ-1 (CCM-431)	0	0	0	0
112	CPN-25	CCW from CPN Coils 2&5 (CCR-440)	0	0	0	0
113	CPN-72	CCW to CEQ-2 (CCM-432)	0	0	0	0
114	CPN-72	CCW to CEQ-2 (CCM-433)	0	0	0	0
115	CPN-72	CCW from CPN Coils 3&4 (CCR-441)	0	0	0	0
116	CPN-86	Glycol Supply Expansion Valve (R-156)	0	0	74.9	74.9
117	CPN-56	Glycol Return Expansion Valve (R-157)	0	0	0	0
118	CPN-67	Post Accident Sampling Return Check Valve (NS-357)	0	0	0	0
119	CPN-67	Post Accident Sampling Return Isolation Valves (ECR-496, ECr-497)	19.98	19.98	0	0

1990 - 1992 LLRT AS FOUND & AS LEFT DATA

TYPE C

TEST STEP	PEN NO.	DESCRIPTION	1992 SCCM AS FOUND	1992 SCCM AS LEFT	1990 SCCM AS FOUND	1990 SCCM AS LEFT
120	CPN-67	Post Accident Sampling Supply Isolation Valve (ECR-416)	0	0	0	0
121	CPN-67	Post Accident Sampling Supply (ECR-417)	0	0	0	0
122	CPN-32	Containment Sampling (ECR-535)	0	0	0	0
123	CPN-32	Containment Sampling (ecr-536)	0	0	0	0
124	CPN-70	Air Particulate/Radioactive Gas Monitor Return(ECR36)	0	0	0	0
125	CPN-29	Plant Air to Containment (PCR-40)	0	0	0	0
126	CPN-29	Plant Air to Containment Check Valve (PA-342)	161.21	161.21	0	0
127	CPN-95	Hydrogen Sample Return check Valve (NS-283)	290.81	290.81	0	0
128	CPN-74	Control Air to Containment (XCR-101)	0	0	0	0
129	CPN-29	Control Air to Containment (XCR-103)	0	0	0	0

1990 - 1992 LLRT AS FOUND & AS LEFT DATA

TYPE B

TEST STEP	PEN NO.	DESCRIPTION	1992 SCCM AS FOUND	1992 SCCM AS LEFT	1990 SCCM AS FOUND	1990 SCCM AS LEFT
001	X-1A	"612 Airlock	403.38	609.6	866.1	501.0
002	X-1B	650' Airlock	150.98	682.7	1488.8	552.0
003	X-2	Zone 3 Penetrations	0	0	259.5	259.5
004	X-4	Zone 4 Penetrations	0	0	0	0
005	X-6	Fuel Transfer Blind Flange	40.07	0	0	0
007	X-7A	Ice Loading Blind Flange (CPN-57)	0	0	20.2	0
008	X-7B	Ice Loading Blind Flange (CPN-80)	0	-	0	0
009	X-7C	Flux Thimble Handling	0	0	149.2	149.2
010	X-9A	650' Equip. Hatch Ring Body Flange Seal	20.26	20.26	651.2	0
011	X-9B	650' Airlock Equipment Hatch Cover Flange Seal	0	0	0	0
012	X-35A	CPN-71 Service Penetration	0	20.27	-	-
SCCM TOTALS			6,823.87	5,631.41	14,874.75	6,566.10

1992 LLRT PENALTY ADJUSTMENTS TO ILRT

CPN NO.	DESCRIPTION	LEAKAGE (SCCM)	DIFFERENCE (WT.%/DAY)
19&23	CLV #3	200.94	
20&24	CLV #4	202.66	
85	RCP #3 Motor Air Coolers	20.13	
73	West Inst. Room Vent	40.00	
15	ECCS Relief Valve Dis.	20.38	
44	Boron Inj. Tank Outlet Valve	60.00	
11-14	RCP Seal Water Lines	139.91	
43	North SI Pump Discharge	119.78	
37	Seal Water Return	69.74	
35	CVCS Charging	451.26	
86/56	Glycol Lines to & from Ice Condenser AHU's	232.51	
57	Ice Loading	30.43	
TOTAL SCCM		1587.74	0.00379