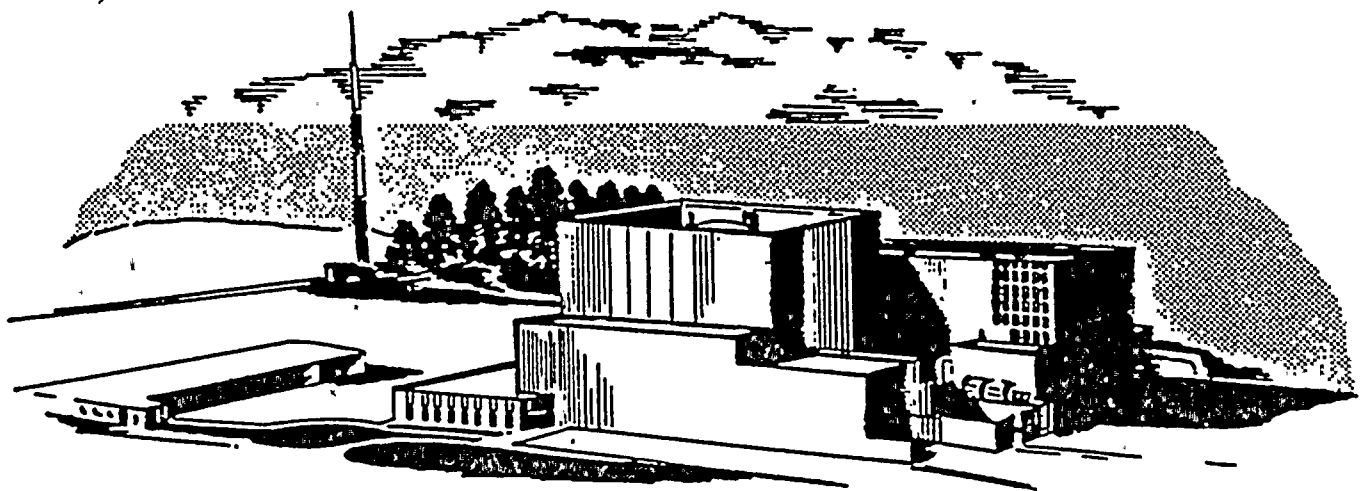


# REACTOR CONTAINMENT BUILDING INTEGRATED LEAKAGE RATE

May, 1989

*for*

## R.E. GINNA NUCLEAR POWER PLANT UNIT 1



ROCHESTER GAS AND ELECTRIC  
CORPORATION

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ROCHESTER GAS AND ELECTRIC CORPORATION  
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## 1.0 SYNOPSIS

The R. E. Ginna Nuclear Power Plant reactor containment building was subjected to periodic integrated leakage rate test (ILRT) during the period from May 15, 1989 to May 17, 1989. The purpose of this test was to demonstrate the acceptability of the building leakage rate at an internal pressure of 35 psig (Pt). Testing was performed in accordance with the requirements of 10 CFR 50, Appendix J, ANSI N45.4-1972 and R. E. Ginna Technical Specifications. In addition, the recommendations of ANSI/ANS 56.8 - 1981 were considered where appropriate for reduced pressure testing.

The calculated Least Squares Fit (LSF) leakage rate based on the mass point method of analysis was found to be 0.04459%/day with an associated 95% Upper Confidence Level (UCL) of 0.04631%/day. The post test repair leakage and local leakage from valves in service during the ILRT was 0.0000%/day. Thus, the combined leakage rate at the upper bound of the 95% UCL is 0.04631 percent by weight per day which is well below the acceptance criterion of 75% La or 0.1146 percent by weight per day. The supplemental instrumentation verification at Pt demonstrated an agreement between calculated reactor containment building integrated leakage rates of 1.3 percent of Lt which is well within the 25% requirement of 10 CFR 50, Appendix J, Section III A.3.b.

All testing was performed by Rochester Gas and Electric Corporation with consultation and technical assistance of TER Services, Inc.





## 2.0 INTRODUCTION

The objective of the periodic integrated leak rate test was the verification of the overall leak tightness of the reactor containment building at an internal pressure of 35 psig. The allowable leakage is defined by safety analyses and in accordance with the site exposure guidelines specified by 10 CFR 100. For R. E. Ginna Nuclear Power Plant, the maximum allowable integrated leakage rate at a pressure of 35 psig (Pt) is 0.1528 percent by weight per day (Lt).

Testing was performed in accordance with the procedural requirements as stated in R. E. Ginna Nuclear Power Plant Containment Integrated Leak Rate Test Procedures RSSP-6.0, 6.1, 6.2 and 6.3. These procedures were reviewed by the Plant Operations Review Committee and approved by the Plant Superintendent prior to the commencement of the test.

Leakage rate testing was accomplished at the pressure of 36.032 psig for a period of 24 hours, followed by a 4 hour supplemental test for a verification of test instrumentation.

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### 3.0 GENERAL AND TECHNICAL DATA

#### 3.1 GENERAL DATA

Owner: Rochester Gas and Electric  
Docket No.: 50-244  
Location: South shore of Lake Ontario, 16 miles east of Rochester, N. Y.  
Containment Description: Reinforced concrete vertical cylinder with pre-stressed tendons in the vertical wall, a reinforced concrete ring anchored to bedrock and a reinforced hemispherical dome.  
NSSS Supplier: Westinghouse

#### 3.2 TECHNICAL DATA

##### Containment Net

Free Volume:  $9.7 \times 10^5$  cubic feet  
Design Pressure: 60 psig  
Design Temperature: 286 deg F

#### 3.3 Test Results -- ILRT Test

1. Test Method	Absolute
2. Data Analysis Technique	Mass Point
3. Test Pressure (At Completion)	35.846 psig
4. Maximum Allowable Leakage Rate, $L_a$	0.1528%/day
5. 75% of $L_a$ (Operational Allowable)	0.1146%/day
6. Integrated Leakage Rate Test Results	

	Mass Point	Total Time
Type A LSF L.R.%/day	0.04459	0.0679
Type A UCL L.R.%/day	0.04631	0.09016

7. Imposed Verification Leakage Rate 0.1562%/day (3.6 SCFM)

##### 8. Verification Test Results

	Leakage Rate
Mass Point Analysis	0.1988%/day

##### 9. Verification Test Limits

	Upper*	Lower*
Mass Point Analysis	0.2389%/day	0.1625%/day

\*Upper Limit =  $L_o + L_{am} + 0.25 L_a$

\*Lower Limit =  $L_o + L_{am} - 0.25 L_a$

##### 10. Report Printouts

The report printouts and plots for the Type A and verification test calculations are provided in Appendices B-G.

THE  
FEDERAL  
BUREAU OF  
INVESTIGATION  
OF THE  
DEPARTMENT OF JUSTICE  
WASHINGTON, D. C.  
20535

MEMORANDUM FOR THE DIRECTOR

SUBJECT: [Illegible]

DATE: [Illegible]

BY: [Illegible]

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#### 4.0 ACCEPTANCE CRITERIA

Acceptance criteria established prior to the test and as specified by Ginna Plant Technical Specifications and an exemption to 10 CFR 50, Appendix J, dated March 28, 1978 are as follows:

- a. The measured leakage rate ( $L_t$ ) for reduced pressure testing at 35 psig ( $P_t$ ) shall be less than 75 percent of the maximum allowable leakage rate ( $L_t$ ) specified as 0.1528 percent by weight of the building atmosphere per day. The acceptance criteria is determined as follows:

$$L_t = L_a (P_t/P_a)^{1/2}$$

where

$L_a = 0.2\%/day$

$P_a = 60 \text{ psig}$

$P_t = 35 \text{ psig}$

Substituting the values for  $L_a$ ,  $P_a$ , and  $P_t$ ,

$L_t = 0.1528\% \text{ per day}$   
and  $.75 L_t = 0.1146\% \text{ per day.}$

- b. The test instrumentation shall be verified by means of a supplemental test. Agreement between the containment leakage measured during the Type A test and the containment leakage measured during the supplemental test shall be within 25 percent of  $L_t$ .

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## 5.0 TEST INSTRUMENTATION

### 5.1 SUMMARY OF INSTRUMENTS

Test instruments employed are described, by system, in the following subsections. An Instrumentation Selection Guide (ISG) formula, is discussed in Section 5.5 was calculated to be  $\pm 0.009156\%/day$ .

#### 5.1.1 Temperature Indicating System

##### Components:

##### a. Resistance Temperature Detectors (RTD sensors)

Quantity	24
Manufacturer	Pyromation
Type	100 ohm, Platinum
Range, deg F	-325 to 250
Accuracy, deg F	$\pm 0.1$
Sensitivity, deg F	$\pm 0.1$

##### b. Temperature Indicator

Quantity	1
Manufacturer	Fluke
Type	2280 B Datalogger
Range, ohms	0 - 256
Accuracy,	$\pm 0.0142\%input$
Repeatability,	$\pm 0.0037\%input$

#### 5.1.2 Dewpoint Indicating System

##### Components:

##### a. Dewcell Elements

Quantity	3
Manufacturer	Foxboro
Type	Model 2711A, Lithium Chloride
Range, deg F	0-100
Accuracy, deg F	$\pm 1.0$

##### b. Dewcell Elements

Quantity	3
Manufacturer	EG&G
Type	Model 660, Chilled Mirror
Range, deg F	-50°C to +100°C
Accuracy, deg F	$\pm .54$

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c. Dewpoint Indicator

Quantity	1
Manufacturer	Fluke
Type	2280 B Datalogger
Range, ohms	0 - 256
Accuracy,	$\pm 0.0142\%$ input
Repeatability,	$\pm 0.0037\%$ input

5.1.3 Pressure Monitoring System

Precision Pressure Gauges:

Quantity	2
Manufacturer	Volumetrics
Type	Model PPM 1000
Range, psia	0-100
Accuracy, psia	$\pm 0.015\%$ of indication
Sensor Sensitivity,	$\pm 0.001\%$ of full scale psia
Repeatability, psia	$\pm 0.0003\%$ of full scale

5.1.4 Supplemental Test Flow Monitoring System

Flowmeter:

Quantity	2
Manufacturer	Volumetrics
Type	Model FM 10
Range, scfm	0-10
Accuracy	$\pm 1\%$ of full scale

5.2 SCHEMATIC ARRANGEMENT

A mathematical model of the containment was developed using elevation and plan view construction drawings to define containment subvolumes boundaries. Subsequent to subvolume boundary definition, volume fractions were assigned to each subvolume in the containment. Sensors were then placed as near to the centroid of each subvolume as possible to detect changes in containment atmospheric conditions. Sensors were placed with consideration given to air stratification, ventilation fans, and slight thermal updrafts caused by natural convection. This was especially true for those sensors in the containment where large open vertical spaces existed.

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Sensor placement considered the three criteria (nearness to subvolume centroid, air stratification, and natural convection occurring in large open areas) and provided stable accurate representation of containment atmospheric conditions during the ILRT. All sensors were placed in accordance with the above considerations and operated without the disturbance yielding highly reliable test data.

The 24 temperature sensors and 6 dewcells were placed throughout the reactor containment volume to permit monitoring of internal temperature and dewpoint. A temperature survey was performed with the sensors installed which verified no large areas of temperature variation.

The table below indicates sensor location relative to volume fraction assignment. Placement of the temperature sensors and dewcells can be grouped into five elevations as follows:

Elevation	RTD's	RTD WTFAC (% each)	Dewcells	DCWTFAC (% each)
243'	6	.0203	1	.1215
261'	6	.0171	1	.1025
286'	3	.0865	2	.2358
301'	2	.0865	2	.1522
301'	1	.0389		
330'	6	.0507		

The two pressure gages were weighted at 50 % each.

### 5.3 CALIBRATION CHECKS

Temperature, dewpoint, pressure and flow measuring systems were checked for calibration before the test in accordance with RG&E procedures as required by ANSI N45.4-1972, Section 6.2 and 6.3. Results of the calibration and calibration checks are on file at R. E. Ginna Nuclear Power Plant. The supplemental test at 35 psig confirmed the instrumentation acceptability.

### 5.4 INSTRUMENTATION PERFORMANCE

The two Volumetrics pressure gauges, the twenty-four temperature sensors, six dewcells and flowmeter performed satisfactorily during the Type A Test and Verification Test.

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## 5.5 INSTRUMENT SELECTION GUIDE (ISG)

Justification of instrumentation selection was accomplished, using manufacturer's sensitivity, accuracy and repeatability tolerances stated in Section 4.1, by computing the ISG formula.

Utilizing the methods, techniques and assumptions in Appendix G to ANS 56.8-1981, the ISG formula was computed for the absolute method as follows:

### a. Actual Conditions

Acceptance Criteria at reduced pressure	(Lt)	= 0.1528%/day
Actual Pressure	(Pt)	= 50.439 psia
Actual Drybulb Temperature	(T)	= 69.42 degF or 529.09 degR
Actual Dewpoint	(Tdp)	= 55.643 degF
Test Duration	(t)	= 24 hours

### b. Total Absolute Pressure: ep

No. of sensors: 2

Range: 0-100 psia

Sensor sensitivity error (E):  $\pm 0.001\%$  of full scale

Measurement system error (e):  $\pm 0.0003\%$  of full scale

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

$$^eP = \pm [(0.001)^2 + (0.0003)^2]^{1/2} / [2]^{1/2}$$

$$^eP = \pm 0.00074 \text{ psia}$$



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- c. Water Vapor Pressure:  $e_{pv}$   
 No. of sensors: 6 = Chilled Mirror 3, Lithium Chloride 3  
 \*Sensor sensitivity error (E):  $\pm 0.54$  deg F and  $\pm 1.0$  deg F  
 \*Measurement system error (e) excluding sensor:  $\pm 0.0142\%$

\*Values given are accuracy; true sensitivity and repeatability values would be lower but are unknown.

At a dewpoint temperature of 55.643 deg F, the equivalent water vapor pressure change (as determined from the steam tables) is 0.00791 psia/ deg F.

$$^{\circ}Pv_1 = \pm 0.54 \text{ deg F} \times (0.00791 \text{ psia/deg F}) = .0042714$$

$$^{\circ}Pv_2 = \pm 1.0 \text{ deg F} \times .00791 = .00791$$

$$^{\circ}Pv = (^{\circ}Pv_1 + Pv_2)/2 = .0060907$$

$$^{\circ}Pv = \pm (0.000142 \times 100 \text{ deg F}) \times (0.0060907 \text{ psia/deg F})$$

$$^{\circ}Pv = \pm 0.00008649 \text{ psia}$$

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

$$^{\circ}Pv = \pm [ (0.0060907)^2 + (0.00008649)^2 ]^{1/2} / [6]^{1/2}$$

$$^{\circ}Pv = \pm 0.002847 \text{ psia}$$

- d. Temperature

No. of sensors: 24

Sensor sensitivity error (E):  $\pm 0.1$  deg F = 0.1 deg R

Measurement system error (e),  $\pm 0.0142\%$  of Full Scale Range: 40-130 deg F

$$eT = 0.000142 \times (130 \text{ deg F}) = 0.01846 \text{ deg F}$$

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

$$^{\circ}T = \pm [ (0.1)^2 + (0.01846)^2 ]^{1/2} / [24]^{1/2}$$

$$^{\circ}T = \pm 0.0208 \text{ deg R}$$





e. Instrumentation Selection Guide (ISG)

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

$$ISG = \pm(2400/24) [2(.00074/50.439)^2 + 2(.002487/50.439)^2 + 2(.0208/529.09)^2]^{1/2}$$

$$ISG = +100 [4.3049 \times 10E-10 + 4.8624E-09 + 3.091E-09]^{1/2}$$

$$ISG = \pm 0.009156\%/day$$

The ISG formula does not exceed 0.25 Lt (0.0382%/day) and it is therefore concluded that the instrumentation selected was acceptable for use in determining the reactor containment integrated leakage rate.

## 5.6 SUPPLEMENTAL VERIFICATION

In addition to the calibration checks described in Section 5.2, test instrumentation operation was verified by a supplemental test subsequent to the completion of the 24 hour leakage rate test. This test consisted of imposing a known calibration leakage rate on the reactor containment building. After the flow rate was established it was not altered for the duration of the test.

During the supplemental test, the measured leakage rate was:

$$L_c = L_{tm}' + L_o$$

where,

$L_c$  = measured composite leakage rate consisting of the reactor building leakage rate plus the imposed leakage rate

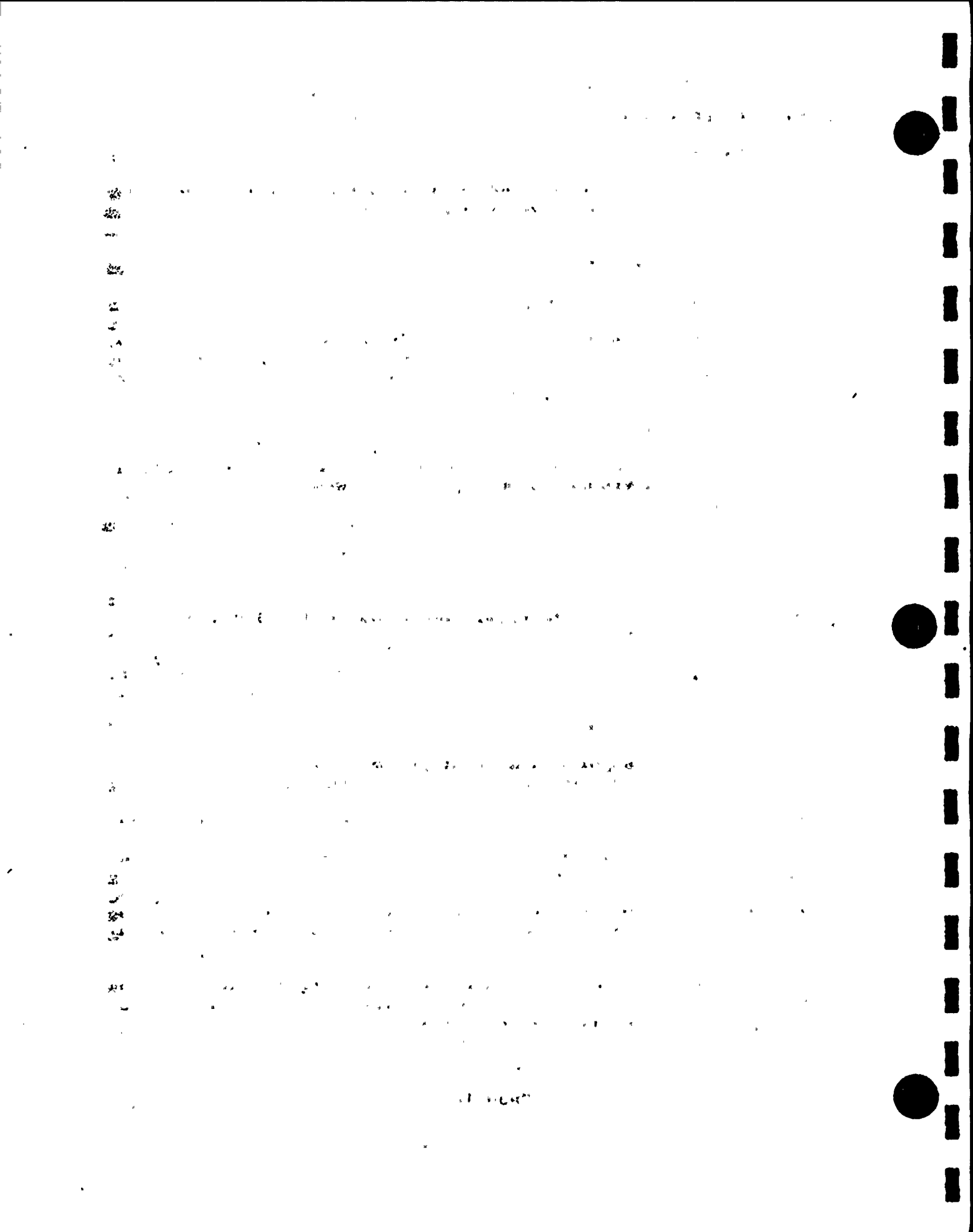
$L_o$  = imposed leakage rate

$L_{tm}'$  = leakage rate of the reactor building during the supplemental test phase

Rearranging the above equation:  $L_{tm}' = L_c - L_o$

The reactor containment building leakage during the supplemental test can be calculated by subtracting the known superimposed leakage rate from the measured composite leakage rate.

The reactor containment building leakage rate during the supplemental test ( $L_{tm}'$ ) was then compared to the measured reactor containment building leakage rate during the preceding 24 hour test ( $L_{tm}$ ) to determine instrumentation acceptability. Instrumentation is considered acceptable if the difference between the two leakage rates is within 25 percent of the maximum allowable leakage rate ( $L_t$ ).



## 6.0 TEST PERFORMANCE

### 6.1 PREREQUISITES

Prior to commencement of reactor containment building pressurization, the following basic prerequisites were satisfied:

- a. Proper operation of all test instrumentation was verified.
- b. All automatic containment building isolation valves were closed by a manual containment isolation signal without any preliminary exercising or adjustment.
- c. Equipment within the reactor containment building, subject to damage, was protected from external differential pressures.
- d. Portions of fluid systems which, under post-accident conditions become extensions of the containment boundary, were drained and vented.
- e. The penetration pressurization system was depressurized and isolated with test gauges installed to detect any leakage.
- f. Pressure gauges were provided on the following systems to provide a means of detection for leakage into these systems:
  1. Personnel Access Hatch
  2. Equipment Access Hatch
- g. Containment recirculation fans were operational
- h. Potential pressure sources were removed or isolated from the containment.
- i. A general inspection of the accessible interior and exterior areas of the containment was completed.

### 6.2 PRESSURIZATION PHASE

During the entire ILRT period, data was collected and recorded electronically at fifteen minute intervals via the computer. (See Appendices B-G.) Following the satisfaction of the prerequisites, pressurization of the reactor building containment was started on May 15, 1989 at 03:08. Building pressure and temperature were monitored continuously throughout the pressurization stage. The pressurization rate was approximately 5.0 psi per hour. During pressurization, a decrease in pressurizer water level was observed. Water level was maintained through refilling the pressurizer as needed.

When containment internal pressure reached 36.632 at 13:30 on May 15, 1989, pressurization was secured. At 18:30 on May 15, 1989, the containment stabilization criteria had been met. The Pressurizer level was stable with the absence of adding pressure.

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### 6.3 TYPE A TESTING PHASE

Leakage rate testing started at 18:45 on May 15, 1989, and was initiated at the 36.032 psig pressure level. The Type A test ran without abnormalities or perturbing events and was completed at 18:45 on May 16, 1989.

### 6.4 VERIFICATION TEST PHASE

Immediately following the 24 hour Type A test, a superimposed leakage rate of 3.6 SCFM or .1562%/Day was started at 19:00 on May 16, 1989, for an additional 4 hour period. The Verification test also ran without abnormalities or perturbing events and was completed at 23:00 on May 16, 1989. When a air sample was taken by Chemistry, the test was considered complete. Depressurization was complete at 10:15. May 17, 1989

Figure 6

The figure consists of nine small black-and-white photographs of embryos at different stages of development. From top to bottom: 1) A single-cell zygote; 2) A two-cell embryo; 3) A four-cell embryo; 4) An eight-cell embryo; 5) A morula stage embryo; 6) A blastocyst stage embryo; 7) A hatched embryo; 8) A more developed embryo; 9) A fully formed embryo.

1. *Pharmaceutical Innovation and the Role of the State*  
 2. *The Impact of Patent Law on Drug Development*  
 3. *The Role of Government in Regulating Pharmaceuticals*  
 4. *The Impact of Globalization on the Pharmaceutical Industry*  
 5. *The Role of the Pharmaceutical Industry in Public Health*  
 6. *The Impact of the Pharmaceutical Industry on the Environment*  
 7. *The Role of the Pharmaceutical Industry in the Global Economy*  
 8. *The Impact of the Pharmaceutical Industry on the Labor Market*  
 9. *The Role of the Pharmaceutical Industry in the Social Welfare System*  
 10. *The Impact of the Pharmaceutical Industry on the Healthcare System*

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## 7.0 METHODS OF ANALYSIS

The absolute method of leakage rate determination was employed during testing at the 35.846 psig pressure level. The ATEST computer code (described in Appendix A) calculated the percent per day leakage rate using the mass point technique of data analysis. The mass point technique of computing leakage rates uses the Ideal Gas Law equation to calculate the weight of air inside containment for each fifteen minute interval.

A superimposed induced flow method was used for the 4 hour supplemental test. ATEST computer code fits a straight line using a linear least squares fit. In addition, the computer code also computes the upper bound of the 95% Upper Confidence Level.

第 一 章

第 二 章

第 三 章

第 四 章



## 8.0 DISCUSSION OF RESULTS

The ILRT data and calculated leakage rates are presented as reports and plots in Appendices B through G. These reports and plots illustrate an ILRT that was performed uninterrupted and without perturbation. The Type A containment mass and mass point leakage rate plot shows that the leakage rate remained essentially constant for the entire test period data.

### 8.1 TYPE A RESULTS

The method used in calculating the mass point leakage rate is defined in Section 7.0. The result of this calculation is a mass point leakage rate of 0.04459%/day. The 95% UCL associated with this leakage rate is 0.04631%/day. In addition, the local leakage rate of the instrumentation valves which were in service during the ILRT were also considered but had no leakage.

The calculated leakage rate and the calculated leakage rate at the upper bound of the 95% UCL are well below the acceptance criteria of 0.1146 percent per day (0.75 Lt). Therefore, reactor containment building leakage at 35 psig (Pt) is considered acceptable.

### 8.2 SUPPLEMENTAL TEST RESULTS

After conclusion of the 24 hour test at 35 psig, Thermal Mass Flowmeter FI-2A was placed in service and a flow rate, of 3.6 SCFM was established. This flow rate is equivalent to a leakage rate of 0.1562 percent per day.

The calculated leakage rate( $L_c$ ) during the supplemental test was calculated to be 0.1988 percent per day using the mass point method of analysis.

The building leakage rate during the supplemental test is then determined as follows:

$$\begin{aligned} L_{tm}' &= L_c - L_o \\ L_{tm}' &= 0.1988\%/day - 0.1562\%/day \\ L_{tm}' &= 0.0426\%/day \end{aligned}$$

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Comparing this leakage rate with the building leakage rate during the 24 hour test yields the following:

$$(L_{tm} - L_{tm}') / L_t = (0.04459 - 0.0426) / 0.1528 = 0.013$$

The building leakage rates agree within 1.3 percent of  $L_t$  which is below the acceptance criteria of 25 percent of  $L_t$ .

Using the formulation of ANS 56.8 - 1981,

$$(L_o + L_{tm} - 0.25 L_t) \leq L_c \leq (L_o + L_{tm} + 0.25 L_t)$$

$$(0.1562 + 0.04459 - 0.0382) \leq L_c \leq (0.1562 + 0.04459 + 0.0382)$$

$$0.1625 \leq L_c \leq 0.2389$$

Since  $L_c$  was measured to be 0.1988 percent per day, this value falls within the acceptable range 0.1625 to 0.2389 percent per day. Therefore, the acceptability of the test instrumentation is considered to have been verified.

### 8.3 SCHEDULE FOR RETESTING

The thorough examination of the containment penetration boundaries revealed no structural deterioration or abnormalities. All portions of the containment were found to be in good repair.

Therefore, the next periodic Type A retest is proposed to be performed in approximately three years.

[illegible]

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## 9.0 TYPE B AND C LEAKAGE RATE

Table 2 illustrates the on-going B and C testing program from 1987 to 1989 including the respective outages. All local Type B and Type C tests were performed at 60 psig.

The local Type C leakage rate "as found" minus the "as left" represents an addition to the Type A leakage rate of  $8.07\text{E}-7\%$ /day (759 SCCM). The local Type B leakage rate "as found" increased in the acceptable "as left" condition therefore, no additions were made. Assuming a Type A mass of 249,598 lbs, this added to the 95% UCL yields an "as found" ILRT leakage rate of 0.0463108 %/day which is well within the operational allowable (.1146%/day).

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## 10.0

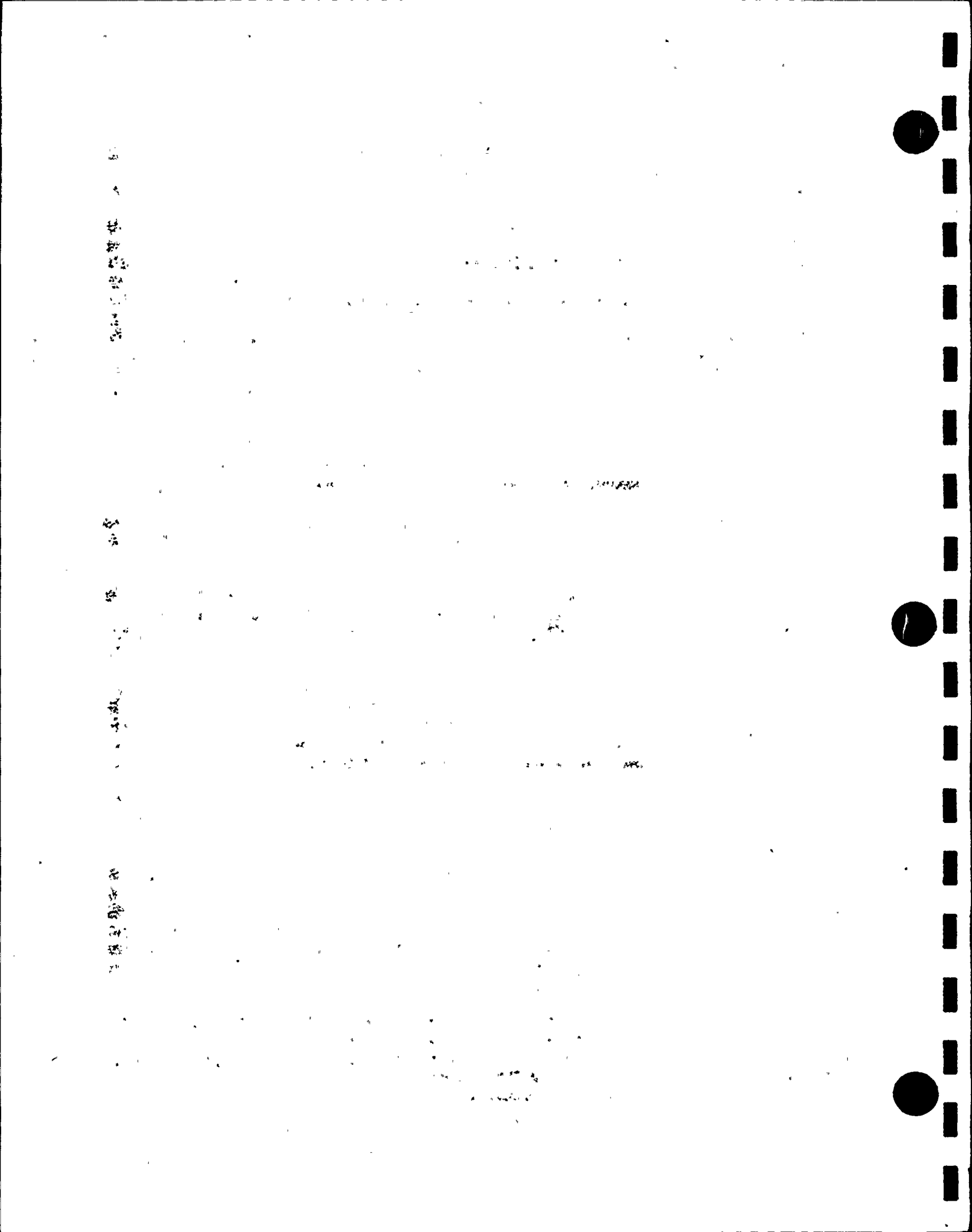
## REFERENCES

- 1) RSSP - 6.0, 6.1, 6.2 and 6.3, "Containment Integrated Leakage Rate Test Procedure)"
- 2) Code of Federal Regulations, Title 10, Part 50, Appendix J, (1-1-82).
- 3) ANSI N45.4 - 1972, "Leakage Rate Testing of Containment Structures for Nuclear Reactors," American Nuclear Society, (March 16, 1972).
- 4) Steam Tables, American Society of Mechanical Engineers, (1967).
- 5) TER Services, Inc., ATEST Computer Code.
- 6) ANSI/ANS- 56.8 - 1981, "Containment System Leakage Testing Requirements," American Nuclear Society, (February 19, 1981).
- 7) "Rochester Gas and Electric Corporation" Reactor Containment Building Integrated Leak Rate Test, R. E. Ginna Nuclear Power Plant, (March 1982).
- 8) R. E. Ginna Nuclear Plant Technical Specification, Appendix A to Operating License Number DPR 18.
- 9) Appendix J Exemption Safety Evaluation Report, dated March 28, 1978, Amendment 17 to Operating License, DPR 18, Dennis L. Ziemann to Leon D. White, Jr.





**APPENDIX A**  
**ATEST COMPUTER PROGRAM SUMMARY**



## ATEST PROGRAM SUMMARY

### 1.0 INTRODUCTION

The Type A Test is an integrated leakage rate test (ILRT) designed to verify the leak test integrity 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, 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 verifications 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 logic flow is controlled by a set of user options after executive questions. The user options 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. 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.

**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.

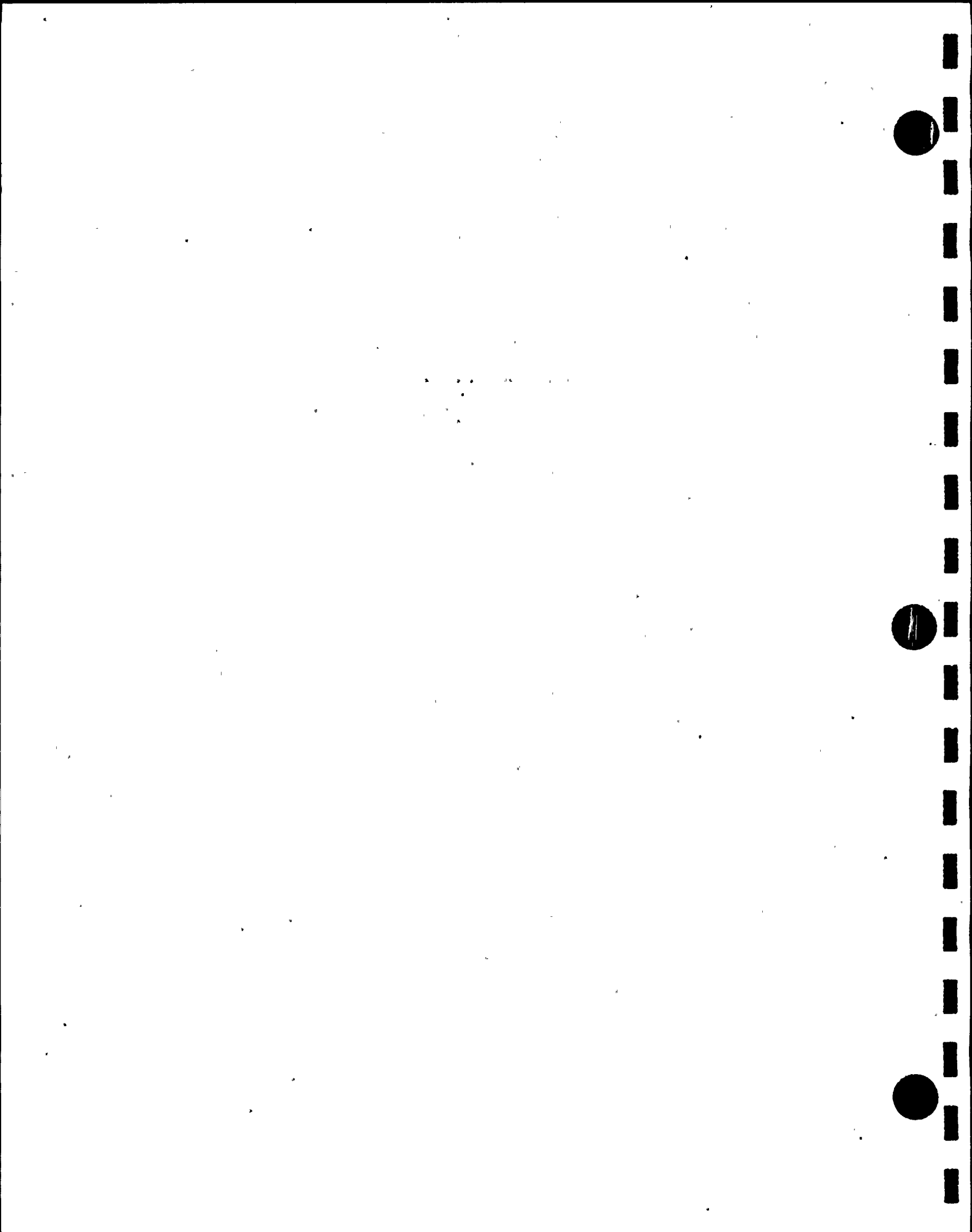
**MASS POINT** The mass point analysis is based on the ANSI/ANS 56.8-1987 Standard acceptance criteria and calculations.

**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.

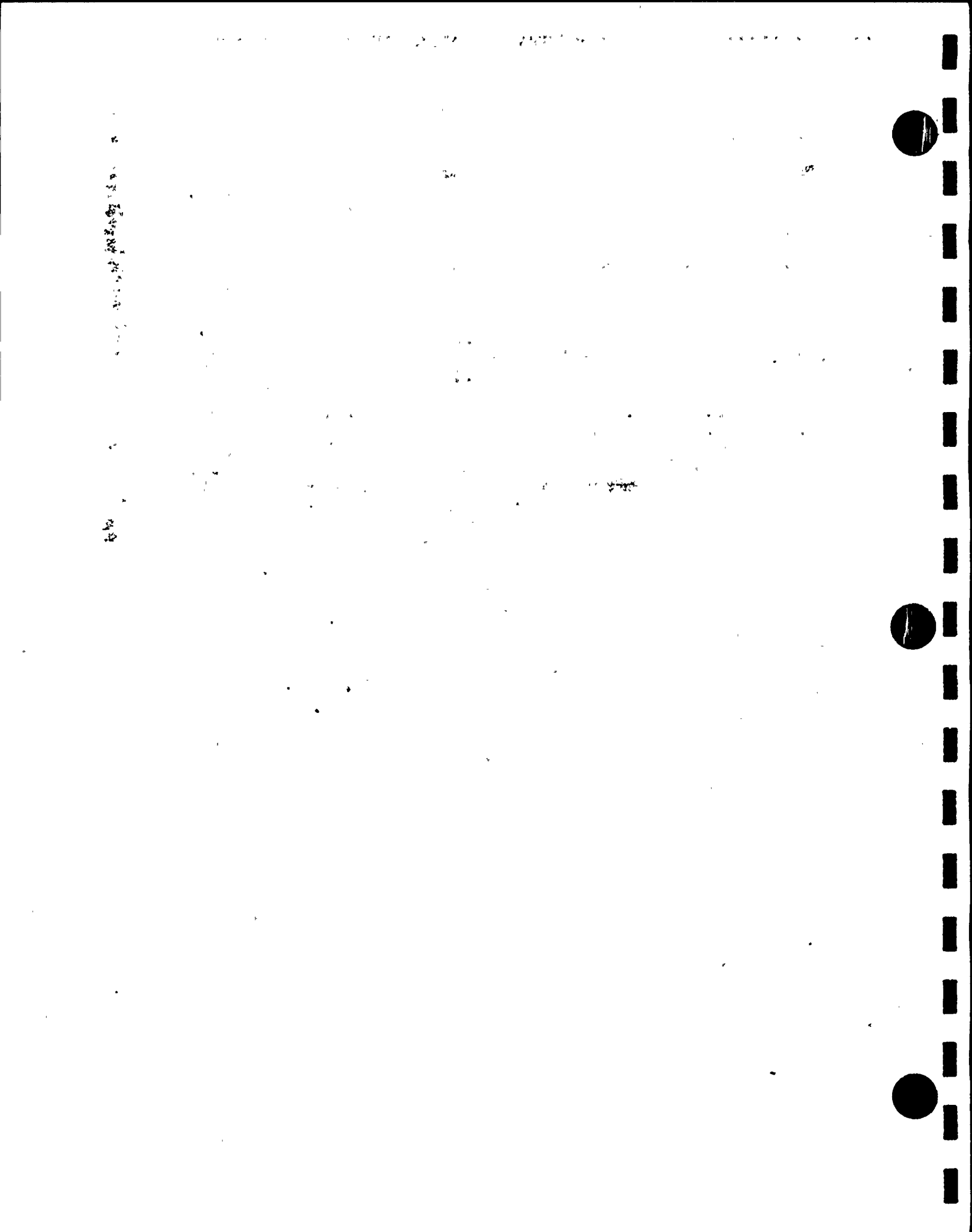
**POINT TO POINT** The point to point analysis is based on the ANSI N45.4-1972 Standard and its acceptance criteria and calculations.

### 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.



**APPENDIX B**  
**STABILIZATION DATA & CALCULATIONS**



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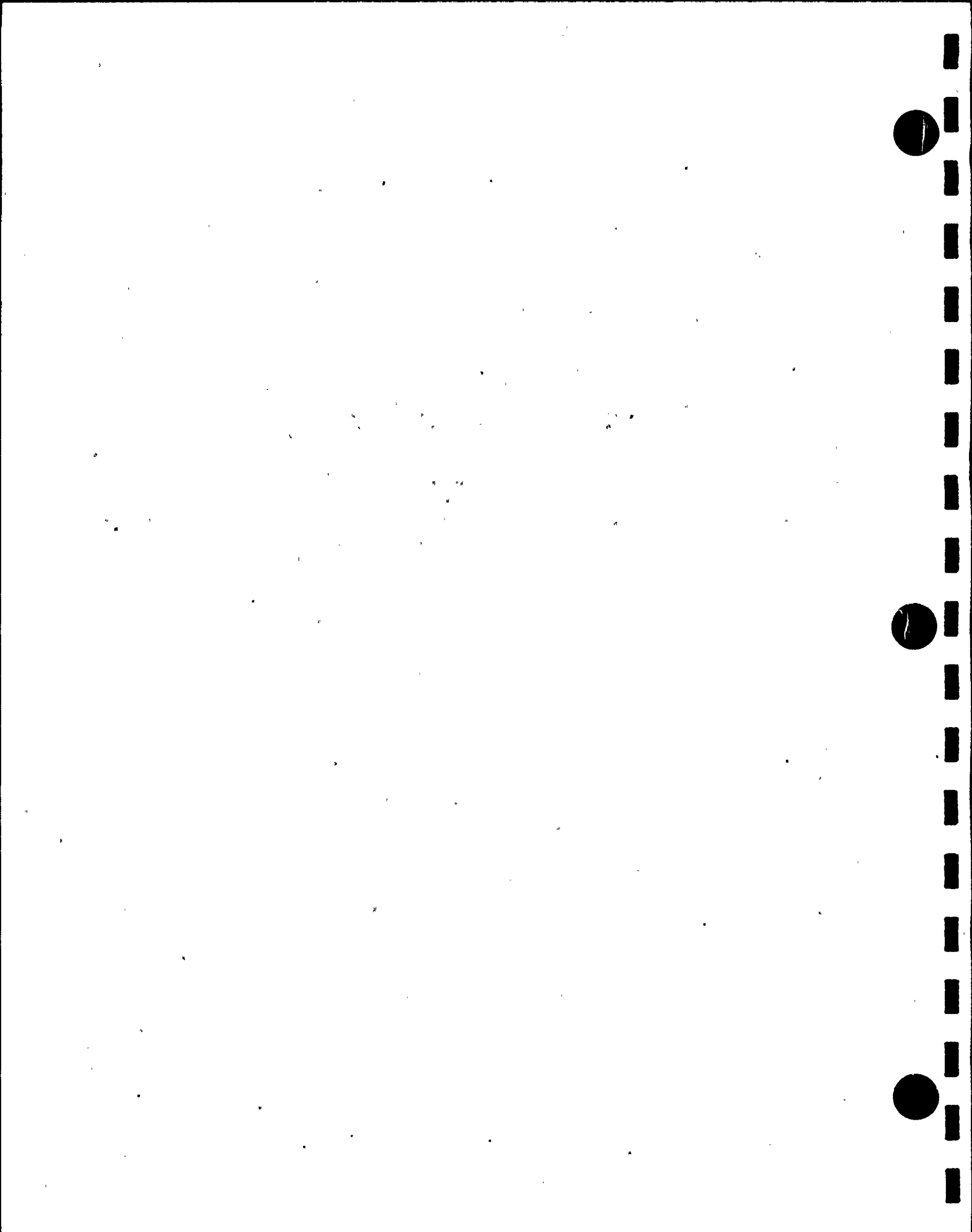
## TEMPERATURE STABILIZATION

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ATE - 08-24-1989

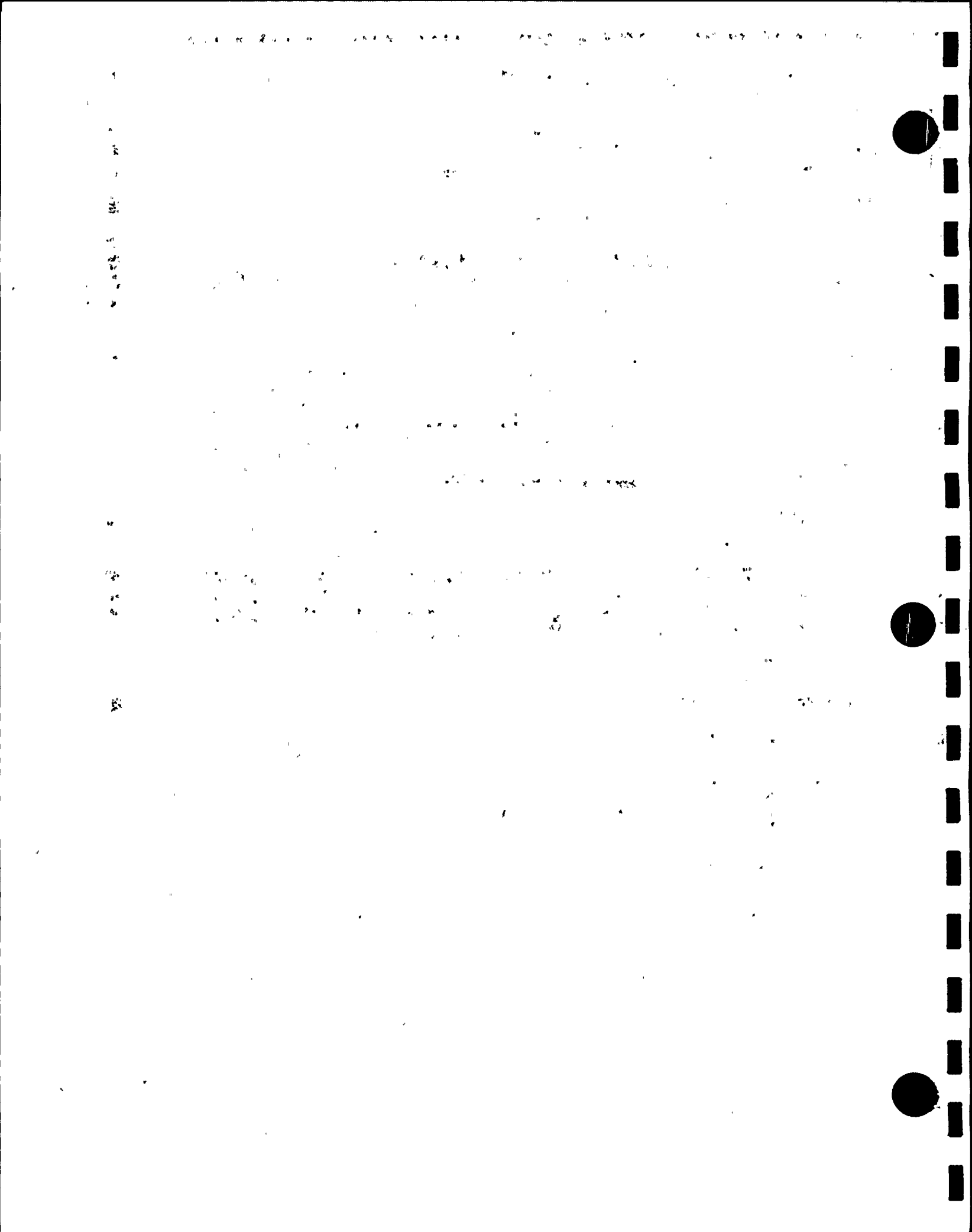
TIME - 10:34:19

TIME (DATA) (RS)	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	536.829	0.000	0.000	0.000	0.000	0.000	0.000
0.25	535.657	-1.172	0.000	0.000	0.000	0.000	0.000
0.50	534.900	-0.757	0.000	0.000	0.000	0.000	0.000
0.75	534.300	-0.600	0.000	0.000	0.000	0.000	0.000
1.00	533.833	-0.467	535.331	0.000	0.000	0.000	0.000
1.25	533.454	-0.379	534.556	0.000	0.000	0.000	0.000
1.50	533.078	-0.377	533.989	0.000	0.000	0.000	0.000
1.75	532.814	-0.263	533.557	0.000	0.000	0.000	0.000
2.00	532.566	-0.248	533.200	-2.131	2.131	0.000	0.000
2.25	532.314	-0.253	532.884	-1.672	1.672	0.000	0.000
2.50	532.117	-0.196	532.597	-1.391	1.391	0.000	0.000
2.75	532.019	-0.098	532.417	-1.140	1.140	0.000	0.000
3.00	531.829	-0.191	532.198	-1.002	1.002	0.000	0.000
3.25	531.671	-0.158	531.992	-0.892	0.892	0.000	0.000
3.50	531.502	-0.169	531.810	-0.788	0.788	0.000	0.000
3.75	531.417	-0.085	531.718	-0.699	0.699	0.000	0.000
4.00	531.257	-0.159	531.543	-0.654	0.654	-1.393	0.822
4.25	531.199	-0.059	531.435	-0.557	0.557	-1.115	0.643
4.50	531.084	-0.114	531.293	-0.516	0.516	-0.954	0.536
4.75	530.967	-0.117	531.192	-0.526	0.526	-0.833	0.384
5.00	530.869	-0.098	531.063	-0.480	0.480	-0.741	0.353



APPENDIX C  
TYPE A SUMMARY DATA

By Sensor  
Environment  
Mass Loss





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## SENSOR LIST

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RECORD NUMBER - 104

DATE - 015

TIME - 18:45: 0

## PRESSURES

-	50.86700	2	-	50.85800
INACT	0.00000	INACT	-	0.00000
INACT	0.00000	INACT	-	0.00000

AVG PRESSURE 50.86250

## RTD/S

1	66.299	2	66.376	3	66.170	4	66.364
5	66.776	6	66.256	7	68.283	8	67.111
9	67.262	10	67.274	11	68.552	12	68.715
13	72.228	14	72.305	15	72.737	16	71.132
17	72.359	18	72.499	19	73.758	20	72.511
21	72.076	22	72.714	23	72.434	24	72.402
INACT	56.548	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 71.162

## DEW CELLS

1	55.339	INACT	64.377	INACT	55.278	4	58.807
INACT	58.601	6	58.640	INACT	54.389	8	54.805
INACT	58.131	INACT	58.169	11	59.006	INACT	58.083
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 57.838

AMBIENT PRESS - 14.593

VAPOR PRESS - .2371043

DRY PRESSURE - 50.6254

FLOWS - 0 0

TOTAL FLOW 0

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## SENSOR LIST

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RECORD NUMBER - 105

DATE - 015

TIME - 19: 0: 0

## PRESSURES

1	-	50.85900	2	-	50.84900
INACT	-	0.00000	INACT	-	0.00000
INACT	-	0.00000	INACT	-	0.00000

AVG PRESSURE 50.85400

## RTD/S

1	66.305	2	66.380	3	66.186	4	66.371
5	66.826	6	66.274	7	68.278	8	67.117
9	67.269	10	67.292	11	68.547	12	68.733
13	72.160	14	72.203	15	72.615	16	71.118
17	72.277	18	72.418	19	72.853	20	72.429
21	71.999	22	72.465	23	72.293	24	72.282
INACT	57.553	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 71.050

## DEW CELLS

1	55.035	INACT	61.173	INACT	55.435	4	58.747
INACT	57.892	6	58.452	INACT	54.485	8	54.901
INACT	57.987	INACT	58.035	11	58.909	INACT	57.900
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 57.716

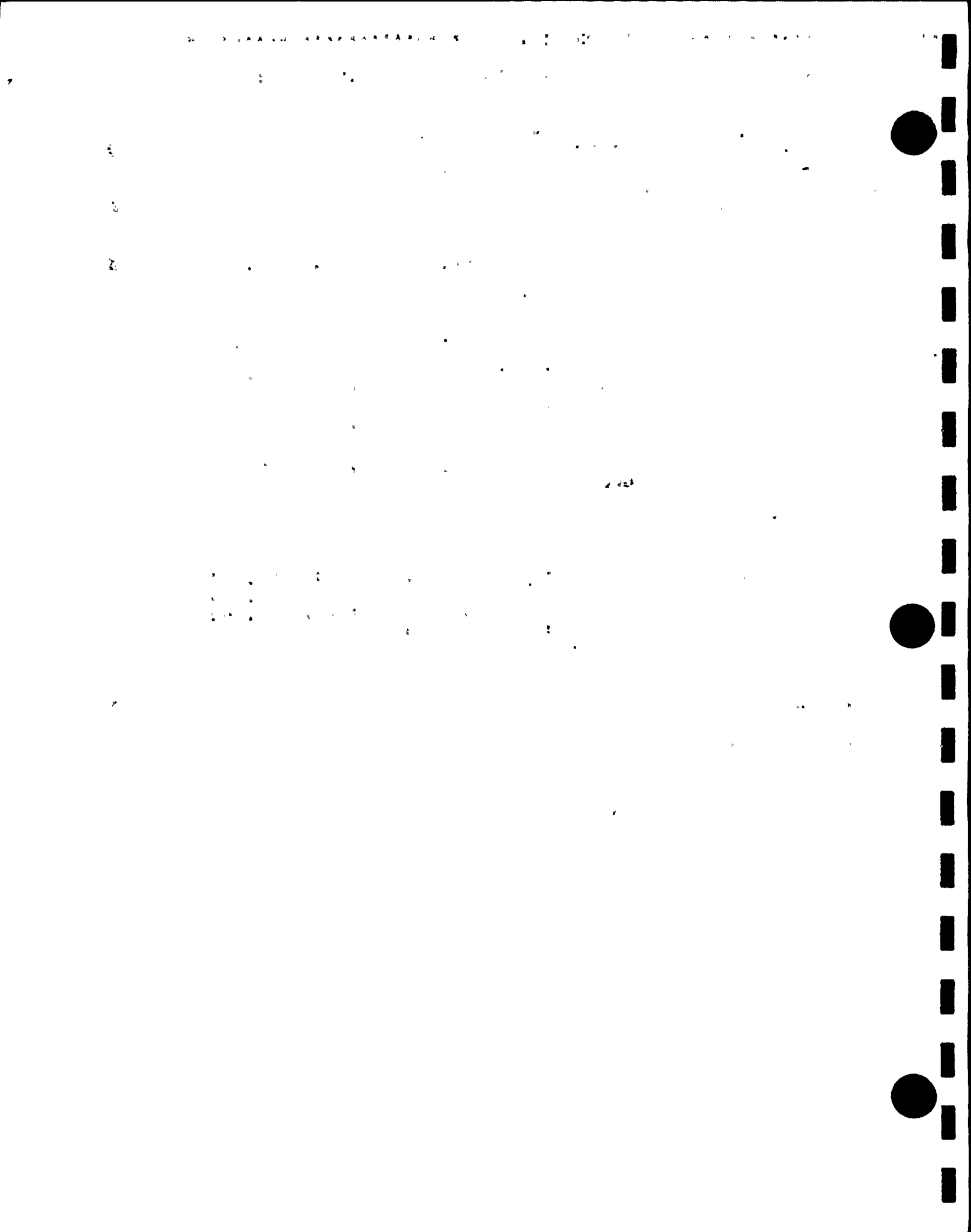
AMBIENT PRESS - 14.593

VAPOR PRESS - .2360689

DRY PRESSURE - 50.61793

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 106

DATE - 015

TIME - 19:15: 0

## PRESSURES

-	50.85100	2	-	50.84100
INACT	0.00000	INACT	-	0.00000
INACT	0.00000	INACT	-	0.00000

AVG PRESSURE

50.84600

## RTD/S

1	66.310	2	66.376	3	66.179	4	66.342
5	66.776	6	66.256	7	68.260	8	67.102
9	67.274	10	67.285	11	68.532	12	68.726
13	72.033	14	72.099	15	72.488	16	71.089
17	72.185	18	72.316	19	72.923	20	72.305
21	71.859	22	72.488	23	72.196	24	72.185
INACT	55.717	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 70.984

## DEW CELLS

1	55.147	INACT	58.667	INACT	56.434	4	58.700
INACT	57.892	6	58.306	INACT	54.669	8	55.220
INACT	57.852	INACT	57.987	11	58.909	INACT	57.852
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 57.701

AMBIENT PRESS - 14.593

VAPOR PRESS - .2359424

DRY PRESSURE - 50.61006

FLOWS - 0 0

TOTAL FLOW 0

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## SENSOR LIST

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RECORD NUMBER - 107

DATE - 015

TIME - 19:30: 0

## PRESSURES

INACT	-	50.84300	2	-	50.83400
INACT	-	0.00000	INACT	-	0.00000
INACT	-	0.00000	INACT	-	0.00000

AVG PRESSURE 50.83850

## RTD/S

1	66.310	2	66.385	3	66.179	4	66.376
5	66.776	6	66.267	7	68.303	8	67.122
9	67.274	10	67.296	11	68.552	12	68.726
13	71.924	14	72.010	15	72.379	16	71.078
17	72.044	18	72.185	19	73.074	20	72.185
21	71.750	22	72.357	23	72.076	24	72.076
INACT	54.678	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 70.919

## DEW CELLS

1	55.850	INACT	66.486	INACT	56.807	4	58.629
INACT	57.783	6	58.255	INACT	54.717	8	55.365
INACT	57.718	INACT	57.756	11	58.861	INACT	57.621
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 57.740

AMBIENT PRESS - 14.593

VAPOR PRESS - .2362719

DRY PRESSURE - 50.60223

FLOWS - 0 0

TOTAL FLOW 0





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## SENSOR LIST

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RECORD NUMBER - 108

DATE - 015

TIME - 19:45: 0

## PRESSURES

INACT	-	50.83600	2	-	50.82600
INACT	-	0.00000	INACT	-	0.00000
INACT	-	0.00000	INACT	-	0.00000

AVG PRESSURE

50.83100

## RTD/S

1	66.310	2	66.385	3	66.190	4	66.353
5	66.819	6	66.287	7	68.283	8	67.133
9	67.285	10	67.285	11	68.552	12	68.737
13	71.838	14	71.924	15	72.305	16	71.035
17	71.967	18	72.076	19	72.834	20	72.076
21	71.644	22	72.205	23	71.967	24	71.999
INACT	53.782	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 70.842

## DEW CELLS

1	55.702	INACT	61.464	INACT	57.098	4	58.520
INACT	57.803	6	58.077	INACT	54.901	8	55.548
INACT	57.669	INACT	57.718	11	58.861	INACT	57.573
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 57.685

AMBIENT PRESS - 14.593

VAPOR PRESS - .2358094

DRY PRESSURE - 50.59519

FLOWS - 0 0

TOTAL FLOW 0

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## SENSOR LIST

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RECORD NUMBER - 109

DATE - 015

TIME - 20: 0: 0

## PRESSURES

-	50.82900	2	-	50.82000
INACT	0.00000	INACT	-	0.00000
INACT	0.00000	INACT	-	0.00000

AVG PRESSURE 50.82450

## RTD/S

1	66.321	2	66.385	3	66.179	4	66.364
5	66.819	6	66.278	7	68.303	8	67.133
9	67.285	10	67.296	11	68.552	12	68.737
13	71.741	14	71.838	15	72.196	16	71.026
17	71.893	18	71.979	19	72.402	20	72.001
21	71.589	22	72.108	23	71.893	24	71.881
INACT	53.825	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 70.764

## DEW CELLS

1	55.461	INACT	61.785	INACT	57.180	4	58.413
INACT	57.950	6	58.028	INACT	54.950	8	55.635
INACT	57.534	INACT	57.486	11	58.631	INACT	57.573
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 57.555

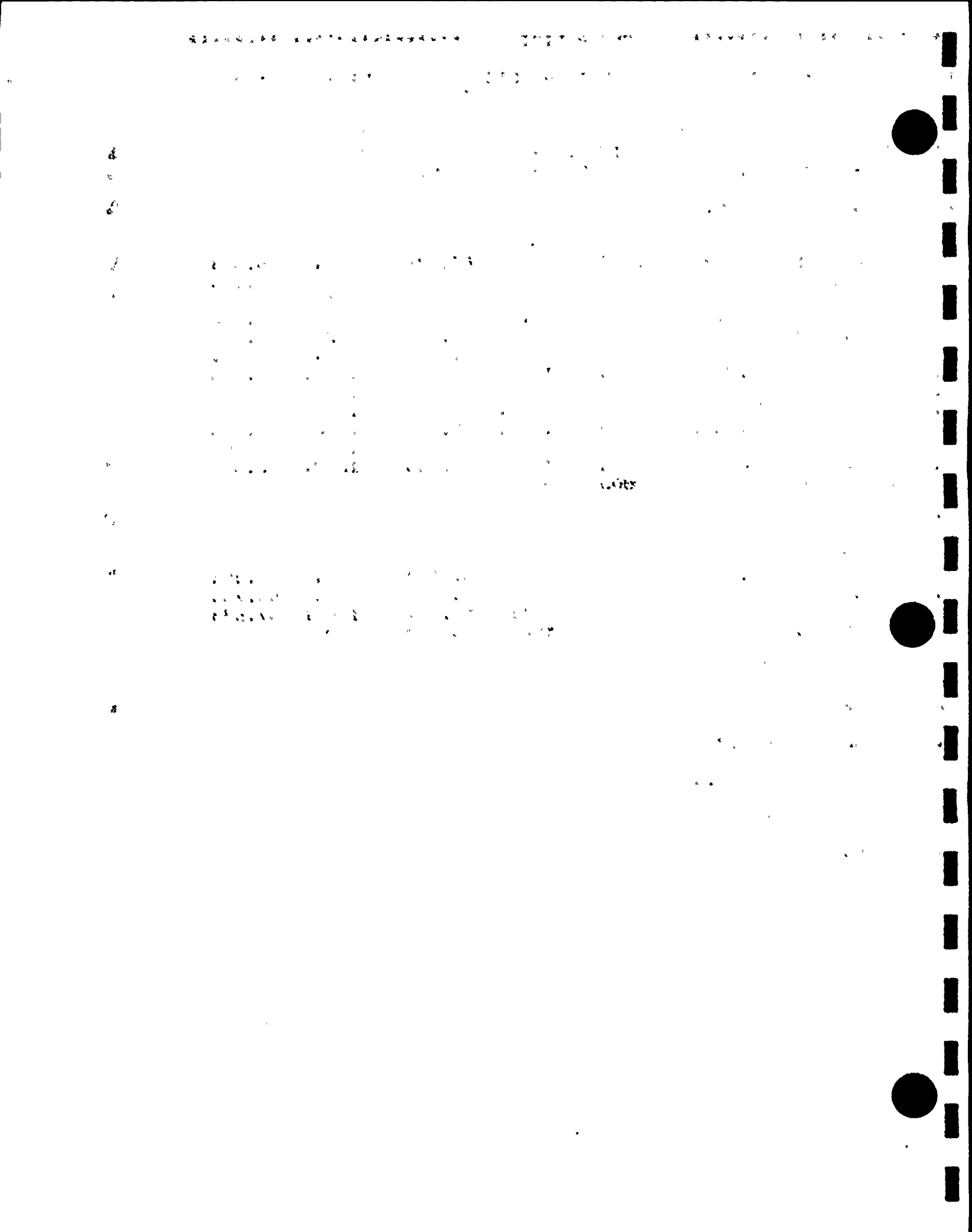
AMBIENT PRESS - 14.593

VAPOR PRESS - .2347071

DRY PRESSURE - 50.58979

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 110

DATE - 015

TIME - 20:15: 0

## PRESSURES

-	50.82200	2	-	50.81300
INACT	0.00000	INACT	-	0.00000
INACT	0.00000	INACT	-	0.00000

AVG PRESSURE

50.81750

## RTD/S

1	66.321	2	66.385	3	66.201	4	66.353
5	66.819	6	66.278	7	68.292	8	67.133
9	67.296	10	67.296	11	68.563	12	68.749
13	71.653	14	71.741	15	72.130	16	70.992
17	71.827	18	71.967	19	72.889	20	71.904
21	71.476	22	72.200	23	71.800	24	71.834
INACT	53.443	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 70.748

## DEW CELLS

1	55.848	INACT	64.429	INACT	57.684	4	58.304
INACT	58.325	6	57.911	INACT	54.988	8	55.780
INACT	57.390	INACT	57.342	11	58.631	INACT	57.438
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 57.549

AMBIENT PRESS - 14.593

VAPOR PRESS - .2346524

DRY PRESSURE - 50.58284

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 111

DATE - 015

TIME - 20:30: 0

## PRESSURES

-	50.81600	2	-	50.80700
INACT	0.00000	INACT	-	0.00000
INACT	0.00000	INACT	-	0.00000

AVG PRESSURE

50.81150

## RTD/S

1	66.321	2	66.376	3	66.201	4	66.364
5	66.808	6	66.278	7	68.292	8	67.133
9	67.317	10	67.308	11	68.552	12	68.749
13	71.567	14	71.664	15	72.022	16	70.960
17	71.707	18	71.893	19	72.293	20	71.795
21	71.392	22	71.936	23	71.687	24	71.687
INACT	53.933	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 70.644

## DEW CELLS

1	55.717	INACT	64.442	INACT	57.328	4	58.283
INACT	58.147	6	57.793	INACT	55.133	8	55.915
INACT	57.342	INACT	57.573	11	58.631	INACT	57.438
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 57.514

AMBIENT PRESS - 14.593

VAPOR PRESS - .2343607

DRY PRESSURE - 50.57714

FLOWS - 0 0

TOTAL FLOW 0





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## SENSOR LIST

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RECORD NUMBER - 112

DATE - 015

TIME - 20:45: 0

## PRESSURES

1	-	50.81000	2	-	50.80100
INACT	-	0.00000	INACT	-	0.00000
INACT	-	0.00000	INACT	-	0.00000

AVG PRESSURE 50.80550

## RTD/S

1	66.310	2	66.396	3	66.201	4	66.376
5	66.830	6	66.287	7	68.292	8	67.122
9	67.308	10	67.308	11	68.563	12	68.737
13	71.492	14	71.555	15	71.956	16	70.937
17	71.664	18	71.761	19	72.585	20	71.741
21	71.329	22	71.795	23	71.632	24	71.621
INACT	53.901	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 70.604

## DEW CELLS

1	55.835	INACT	67.139	INACT	57.227	4	58.176
INACT	58.038	6	57.733	INACT	55.085	8	56.012
INACT	57.159	INACT	57.207	11	58.266	INACT	57.255
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 57.384

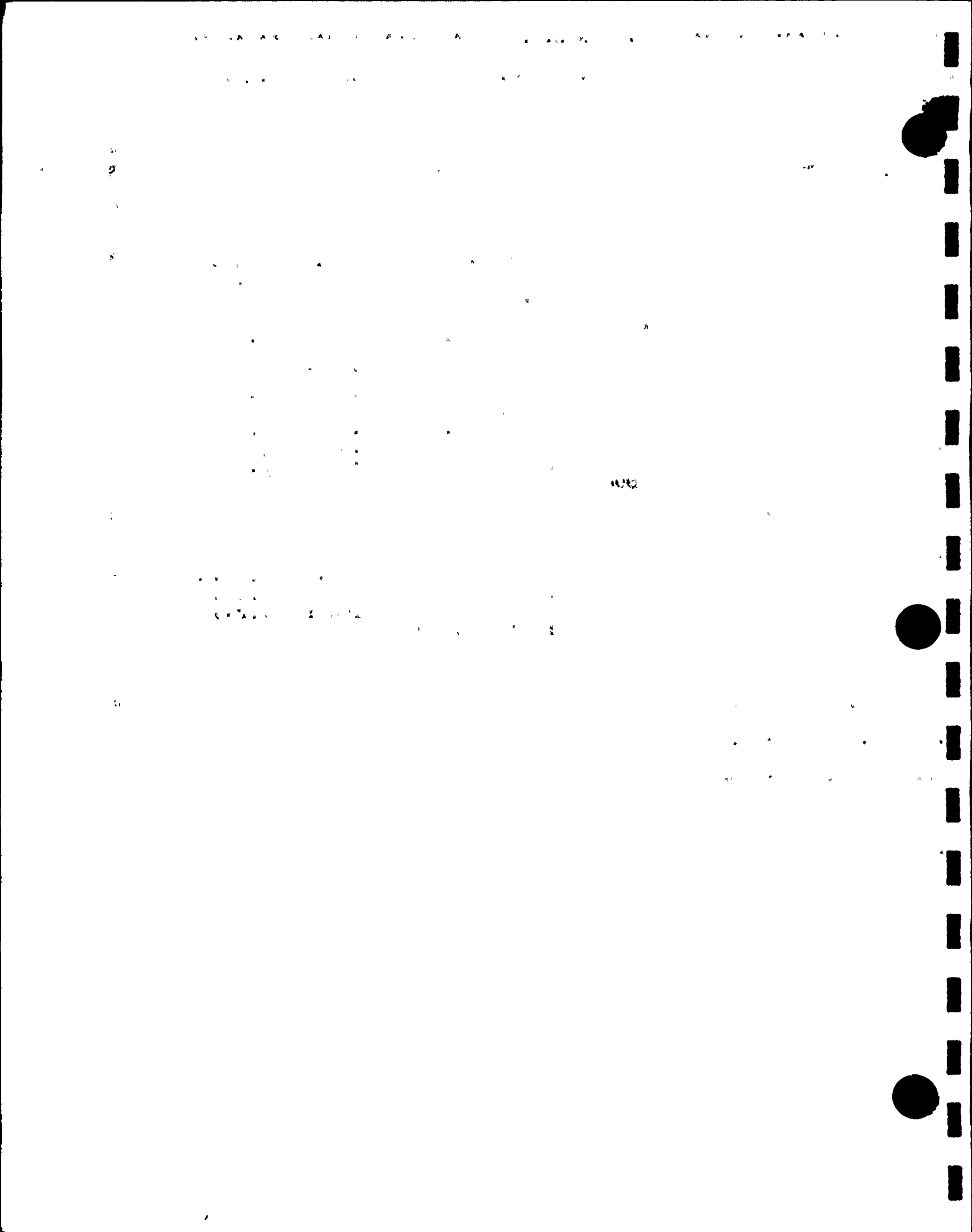
AMBIENT PRESS - 14.593

VAPOR PRESS - .2332628

DRY PRESSURE - 50.57224

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 113

DATE - 015

TIME - 21: 0: 0

## PRESSURES

-	50.80400	2	-	50.79500
INACT	0.00000	INACT	-	0.00000
INACT	0.00000	INACT	-	0.00000

AVG PRESSURE

50.79950

## RTD/S

1	66.342	2	66.396	3	66.201	4	66.353
5	66.787	6	66.287	7	68.292	8	67.133
9	67.308	10	67.308	11	68.552	12	68.737
13	71.415	14	71.512	15	71.870	16	70.917
17	71.589	18	71.698	19	72.239	20	71.653
21	71.220	22	71.827	23	71.555	24	71.567
INACT	54.181	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 70.544

## DEW CELLS

1	55.929	INACT	60.129	INACT	56.982	4	58.156
INACT	57.931	6	57.616	INACT	55.123	8	56.050
INACT	57.159	INACT	57.063	11	58.035	INACT	57.246
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 57.324

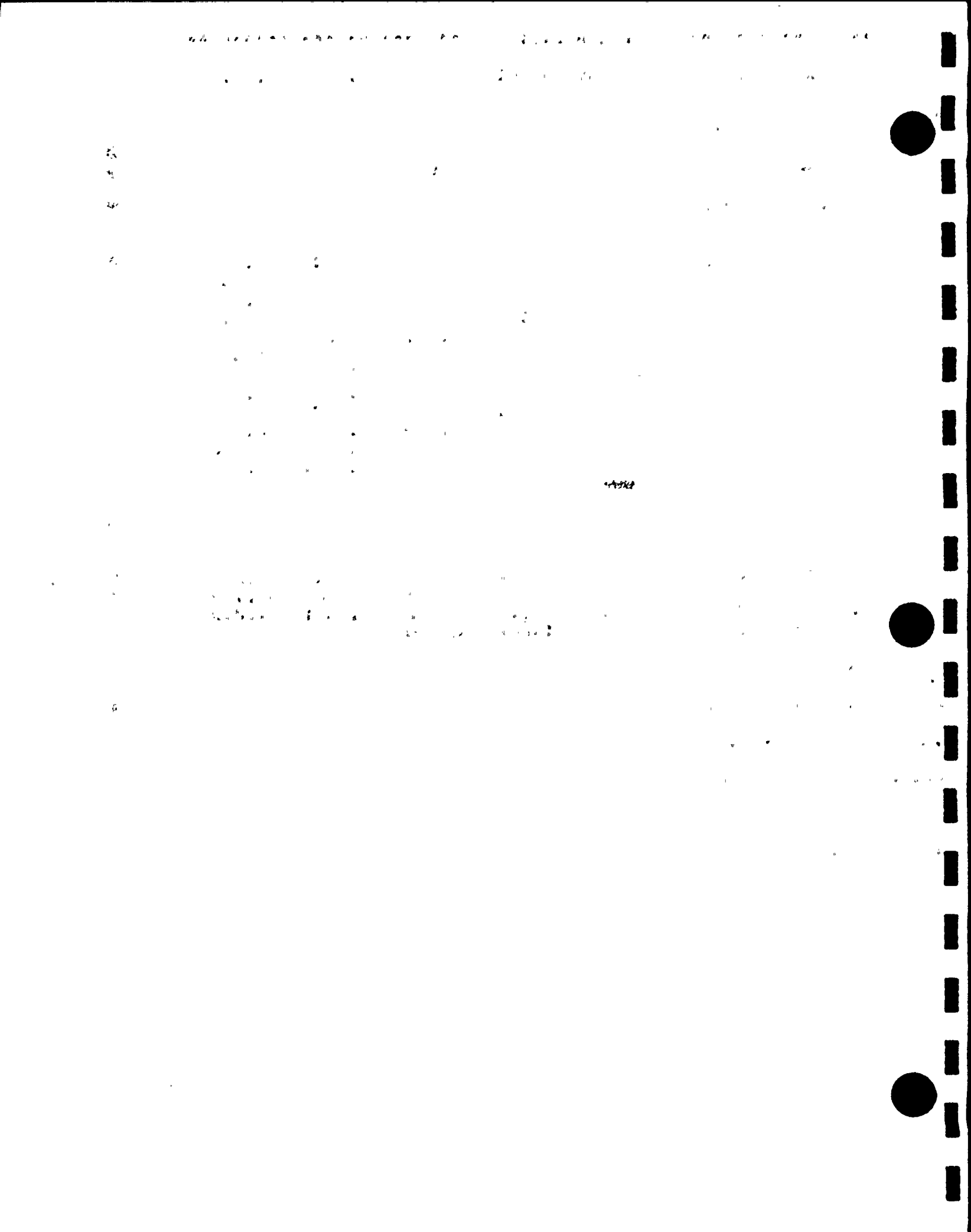
AMBIENT PRESS - 14.593

VAPOR PRESS - .2327589

DRY PRESSURE - 50.56674

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 114

DATE - 015

TIME - 21:15: 0

## PRESSURES

1	-	50.79900	2	-	50.78900
INACT	-	0.00000	INACT	-	0.00000
INACT	-	0.00000	INACT	-	0.00000

AVG PRESSURE 50.79400

## RTD/S

1	66.353	2	66.396	3	66.201	4	66.353
5	66.819	6	66.287	7	68.303	8	67.145
9	67.317	10	67.317	11	68.563	12	68.726
13	71.338	14	71.447	15	71.804	16	70.872
17	71.535	18	71.621	19	72.531	20	71.589
21	71.155	22	71.653	23	71.481	24	71.481
INACT	51.870	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 70.507

## DEW CELLS

1	56.051	INACT	63.949	INACT	57.363	4	58.009
INACT	57.812	6	57.587	INACT	55.317	8	56.195
INACT	57.111	INACT	57.207	11	58.314	INACT	57.072
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 57.381

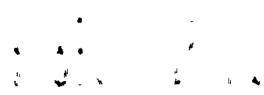
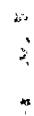
AMBIENT PRESS - 14.593

VAPOR PRESS - .2332406

DRY PRESSURE - 50.56076

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 115

DATE - 015

TIME - 21:30: 0

## PRESSURES

1	-	50.79300	2	-	50.78400
INACT	-	0.00000	INACT	-	0.00000
INACT	-	0.00000	INACT	-	0.00000

AVG PRESSURE 50.78850

## RTD/S

1	66.321	2	66.407	3	66.213	4	66.376
5	66.819	6	66.287	7	68.292	8	67.145
9	67.308	10	67.317	11	68.586	12	68.726
13	71.275	14	71.361	15	71.730	16	70.851
17	71.447	18	71.512	19	72.379	20	71.535
21	71.107	22	71.573	23	71.422	24	71.422
INACT	53.463	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 70.449

## DEW CELLS

1	56.307	INACT	64.750	INACT	57.174	4	57.999
INACT	57.762	6	57.478	INACT	55.307	8	56.186
INACT	57.015	INACT	56.976	11	58.304	INACT	57.063
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 57.368

AMBIENT PRESS - 14.593

VAPOR PRESS - .233132

DRY PRESSURE - 50.55537

FLOWS - 0 0

TOTAL FLOW 0

10

10





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## SENSOR LIST

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RECORD NUMBER - 116

DATE - 015

TIME - 21:45: 0

## PRESSURES

-	50.78800	2	-	50.77900
INACT	0.00000	INACT	-	0.00000
INACT	0.00000	INACT	-	0.00000

AVG PRESSURE

50.78350

## RTD/S

1	66.337	2	66.414	3	66.208	4	66.380
5	66.826	6	66.305	7	68.310	8	67.172
9	67.335	10	67.323	11	68.581	12	68.733
13	71.204	14	71.302	15	71.693	16	70.835
17	71.399	18	71.519	19	72.246	20	71.465
21	71.037	22	71.555	23	71.349	24	71.349
INACT	53.933	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 70.412

## DEW CELLS

1	56.133	INACT	63.750	INACT	56.988	4	57.981
INACT	57.824	6	57.519	INACT	55.355	8	56.234
INACT	56.976	INACT	56.976	11	57.621	INACT	57.111
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 57.185

AMBIENT PRESS - 14.593

VAPOR PRESS - .2315994

DRY PRESSURE - 50.5519

FLOWS - 0 0

TOTAL FLOW 0

115

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## SENSOR LIST

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RECORD NUMBER - 117

DATE - 015

TIME - 22: 0: 0

## PRESSURES

-	50.78400	2	-	50.77400
INACT	0.00000	INACT	-	0.00000
INACT	0.00000	INACT	-	0.00000

AVG PRESSURE

50.77900

## RTD/S

1	66.348	2	66.414	3	66.219	4	66.380
5	66.826	6	66.305	7	68.298	8	67.160
9	67.335	10	67.323	11	68.570	12	68.733
13	71.127	14	71.259	15	71.639	16	70.792
17	71.388	18	71.465	19	72.105	20	71.399
21	70.967	22	71.496	23	71.238	24	71.281
INACT	51.757	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 70.364

## DEW CELLS

1	56.320	INACT	60.592	INACT	57.579	4	57.931
INACT	57.684	6	57.389	INACT	55.404	8	56.282
INACT	56.880	INACT	56.928	11	57.852	INACT	56.928
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 57.217

AMBIENT PRESS - 14.593

VAPOR PRESS - .2318674

DRY PRESSURE - 50.54713

FLOWS - 0 0

TOTAL FLOW 0

100

100

100

100

100

100

100



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## SENSOR LIST

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RECORD NUMBER - 118

DATE - 015

TIME - 22:15: 0

## PRESSURES

1	-	50.77900	2	-	50.77000
INACT	-	0.00000	INACT	-	0.00000
INACT	-	0.00000	INACT	-	0.00000

AVG PRESSURE 50.77450

## RTD/S

1	66.360	2	66.414	3	66.240	4	66.371
5	66.846	6	66.317	7	68.321	8	67.183
9	67.357	10	67.346	11	68.593	12	68.733
13	71.107	14	71.216	15	71.573	16	70.770
17	71.302	18	71.422	19	72.028	20	71.345
21	70.894	22	71.404	23	71.232	24	71.232
INACT	53.479	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 70.328

## DEW CELLS

1	56.296	INACT	66.591	INACT	57.437	4	57.824
INACT	57.647	6	57.352	INACT	55.452	8	56.243
INACT	56.793	INACT	56.889	11	58.035	INACT	56.745
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 57.211

AMBIENT PRESS - 14.593

VAPOR PRESS - .2318157

DRY PRESSURE - 50.54268

FLOWS - 0 0

TOTAL FLOW 0

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## SENSOR LIST

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RECORD NUMBER - 119

DATE - 015

TIME - 22:30: 0

## PRESSURES

1	-	50.77500	2	-	50.76600
INACT	-	0.00000	INACT	-	0.00000
INACT	-	0.00000	INACT	-	0.00000

AVG PRESSURE 50.77050

## RTD/S

1	66.353	2	66.430	3	66.224	4	66.396
5	66.842	6	66.321	7	68.314	8	67.188
9	67.339	10	67.339	11	68.563	12	68.715
13	71.014	14	71.123	15	71.512	16	70.765
17	71.252	18	71.317	19	71.795	20	71.275
21	70.851	22	71.392	23	71.143	24	71.188
INACT	53.696	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 70.270

## DEW CELLS

1	56.159	INACT	63.466	INACT	57.008	4	57.733
INACT	57.595	6	57.330	INACT	55.500	8	56.282
INACT	56.793	INACT	56.793	11	58.217	INACT	56.793
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 57.224

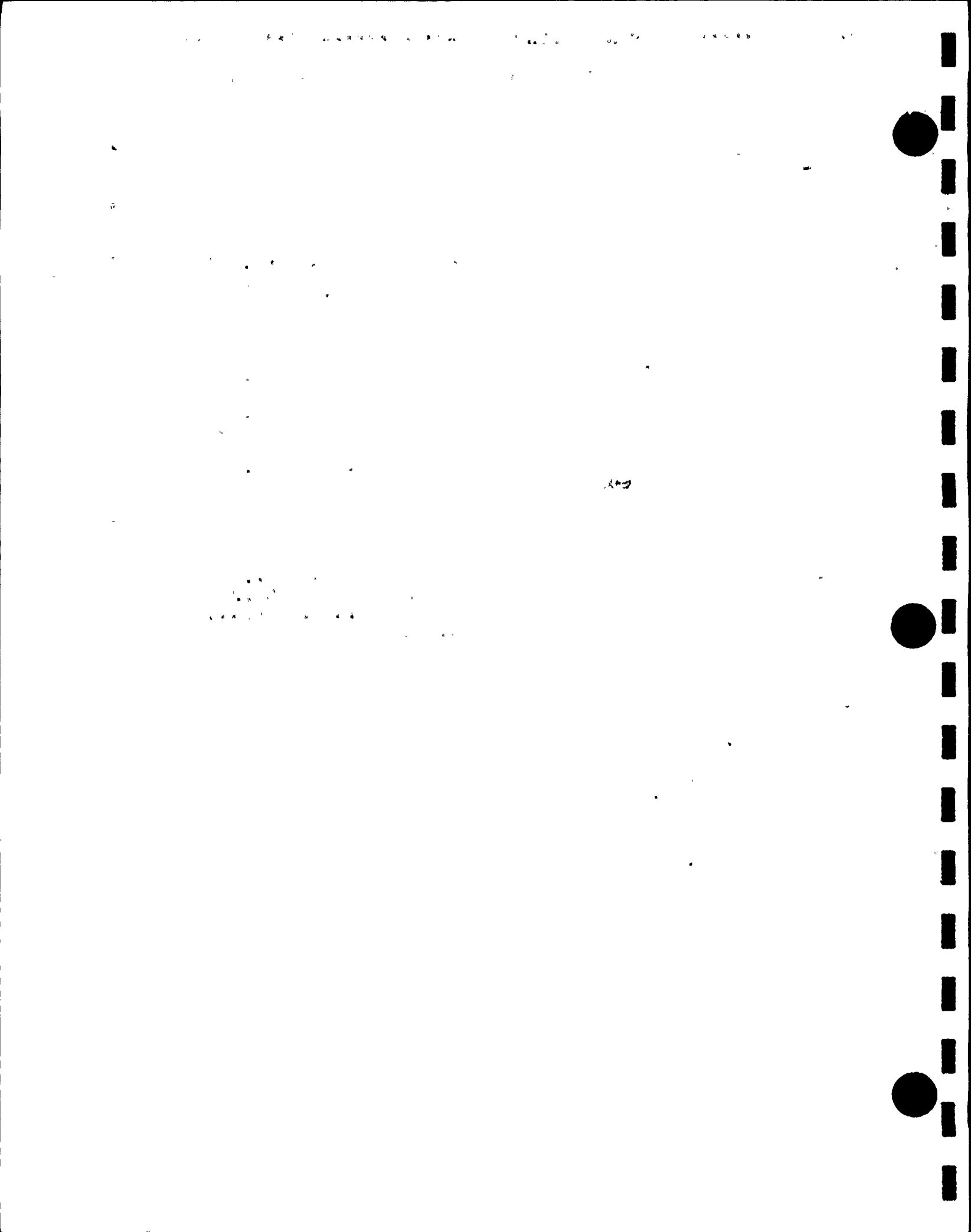
AMBIENT PRESS - 14.593

VAPOR PRESS - .2319249

DRY PRESSURE - 50.53857

FLOWS - 0 0

TOTAL FLOW 0





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## SENSOR LIST

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RECORD NUMBER - 120

DATE - 015

TIME - 22:45: 0

## PRESSURES

1	-	50.77100	2	-	50.76200
INACT	-	0.00000	INACT	-	0.00000
INACT	-	0.00000	INACT	-	0.00000

AVG PRESSURE 50.76650

## RTD/S

1	66.371	2	66.425	3	66.240	4	66.391
5	66.803	6	66.328	7	68.310	8	67.206
9	67.357	10	67.346	11	68.581	12	68.710
13	70.967	14	71.064	15	71.476	16	70.715
17	71.236	18	71.290	19	71.942	20	71.236
21	70.792	22	71.313	23	71.139	24	71.130
INACT	54.231	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 70.247

## DEW CELLS

1	56.408	INACT	60.118	INACT	57.116	4	57.645
INACT	57.468	6	57.183	INACT	55.452	8	56.282
INACT	56.745	INACT	56.745	11	58.169	INACT	56.658
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 57.196

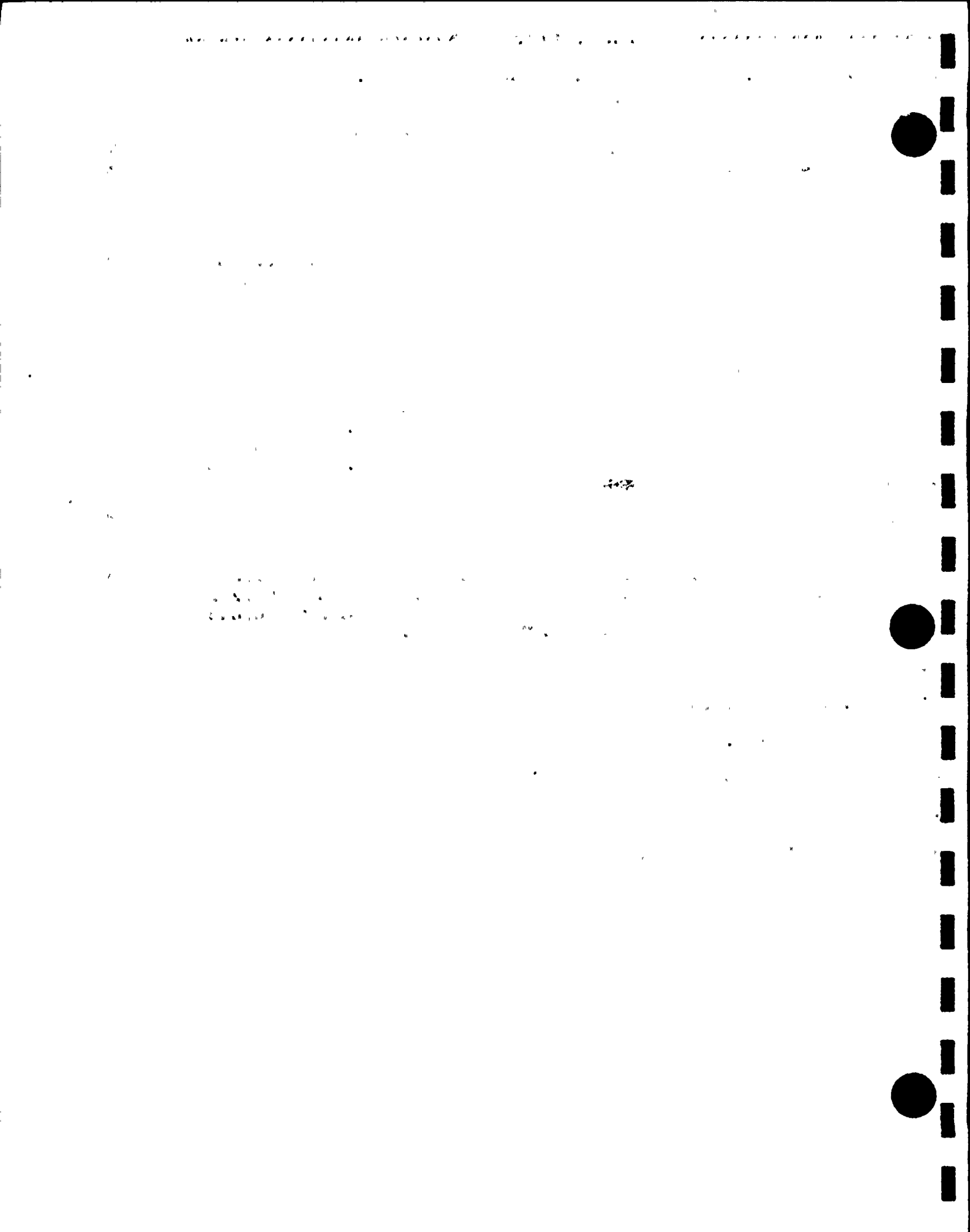
AMBIENT PRESS - 14.593

VAPOR PRESS - .2316896

DRY PRESSURE - 50.53481

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 121

DATE - 015

TIME - 23: 0: 0

## PRESSURES

1	-	50.76800	2	-	50.75800
INACT	-	0.00000	INACT	-	0.00000
INACT	-	0.00000	INACT	-	0.00000

AVG PRESSURE 50.76300

## RTD/S

1	66.360	2	66.434	3	66.228	4	66.403
5	66.837	6	66.328	7	68.310	8	67.183
9	67.378	10	67.366	11	68.559	12	68.690
13	70.933	14	71.053	15	71.422	16	70.695
17	71.182	18	71.236	19	71.702	20	71.182
21	70.743	22	71.383	23	71.069	24	71.080
INACT	53.816	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 70.211

## DEW CELLS

1	56.303	INACT	60.330	INACT	57.104	4	57.635
INACT	57.499	6	57.155	INACT	55.500	8	56.282
INACT	56.648	INACT	56.697	11	57.939	INACT	56.648
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 57.100

AMBIENT PRESS - 14.593

VAPOR PRESS - .2308917

DRY PRESSURE - 50.53211

FLOWS - 0 0

TOTAL FLOW 0

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## SENSOR LIST

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RECORD NUMBER - 122

DATE - 015

TIME - 23:15: 0

## PRESSURES

1	-	50.76400	2	-	50.75400
INACT	-	0.00000	INACT	-	0.00000
INACT	-	0.00000	INACT	-	0.00000

AVG PRESSURE 50.75900

## RTD/S

1	66.385	2	66.418	3	66.244	4	66.396
5	66.862	6	66.333	7	68.303	8	67.210
9	67.362	10	67.362	11	68.563	12	68.672
13	70.872	14	71.003	15	71.383	16	70.666
17	71.112	18	71.220	19	71.795	20	71.123
21	70.700	22	71.241	23	71.003	24	71.037
INACT	54.116	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 70.177

## DEW CELLS

1	56.416	INACT	64.333	INACT	57.227	4	57.626
INACT	57.371	6	57.085	INACT	55.500	8	56.282
INACT	56.562	INACT	56.697	11	57.852	INACT	56.648
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 57.061

AMBIENT PRESS - 14.593

VAPOR PRESS - .2305663

DRY PRESSURE - 50.52843

FLOWS - 0 0

TOTAL FLOW 0

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## SENSOR LIST

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RECORD NUMBER - 123

DATE - 015

TIME - 23:30: 0

## PRESSURES

1	-	50.76000	2	-	50.75100
INACT	-	0.00000	INACT	-	0.00000
INACT	-	0.00000	INACT	-	0.00000

AVG PRESSURE

50.75550

## RTD/S

1	66.391	2	66.434	3	66.262	4	66.403
5	66.837	6	66.348	7	68.321	8	67.215
9	67.389	10	67.366	11	68.593	12	68.690
13	70.824	14	70.944	15	71.333	16	70.663
17	71.096	18	71.204	19	71.562	20	71.107
21	70.657	22	71.188	23	70.971	24	70.960
INACT	54.053	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 70.142

## DEW CELLS

1	56.420	INACT	64.501	INACT	57.206	4	57.626
INACT	57.400	6	57.056	INACT	55.500	8	56.282
INACT	56.513	INACT	56.562	11	57.804	INACT	56.513
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 57.034

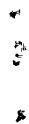
AMBIENT PRESS - 14.593

VAPOR PRESS - .2303434

DRY PRESSURE - 50.52516

FLOWS - 0 0

TOTAL FLOW 0





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## SENSOR LIST

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RECORD NUMBER - 124

DATE - 015

TIME - 23:45: 0

## PRESSURES

1	-	50.75700	2	-	50.74800
INACT	-	0.00000	INACT	-	0.00000
INACT	-	0.00000	INACT	-	0.00000

AVG PRESSURE 50.75250

## RTD/S

1	66.391	2	66.434	3	66.251	4	66.414
5	66.880	6	66.348	7	68.321	8	67.206
9	67.389	10	67.366	11	68.570	12	68.679
13	70.792	14	70.933	15	71.302	16	70.629
17	71.064	18	71.084	19	71.496	20	71.041
21	70.614	22	71.112	23	70.949	24	70.917
INACT	53.859	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 70.106

## DEW CELLS

1	56.346	INACT	63.009	INACT	57.183	4	57.507
INACT	57.361	6	57.006	INACT	55.587	8	56.282
INACT	56.513	INACT	56.600	11	57.804	INACT	56.648
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 57.000

AMBIENT PRESS - 14.593

VAPOR PRESS - .230055

DRY PRESSURE - 50.52245

FLOWS - 0 0

TOTAL FLOW 0

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## SENSOR LIST

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RECORD NUMBER - 125

DATE - 016

TIME - 0: 0: 0

## PRESSURES

1	-	50.75400	2	-	50.74500
INACT	-	0.00000	INACT	-	0.00000
INACT	-	0.00000	INACT	-	0.00000

AVG PRESSURE 50.74950

## RTD/S

1	66.376	2	66.439	3	66.267	4	66.418
5	66.819	6	66.342	7	68.303	8	67.231
9	67.393	10	67.382	11	68.563	12	68.694
13	70.743	14	70.797	15	71.252	16	70.614
17	71.035	18	71.057	19	71.804	20	71.014
21	70.577	22	71.118	23	70.881	24	70.912
INACT	52.687	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 70.090

## DEW CELLS

1	56.576	INACT	62.637	INACT	57.057	4	57.468
INACT	57.124	6	56.967	INACT	55.587	8	56.330
INACT	56.513	INACT	56.513	11	57.852	INACT	56.562
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 57.032

AMBIENT PRESS - 14.593

VAPOR PRESS - .2303235

DRY PRESSURE - 50.51918

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 126

DATE - 016

TIME - 0:15:0

## PRESSURES

-	50.75100	2	-	50.74200
INACT	0.00000	INACT	-	0.00000
INACT	0.00000	INACT	-	0.00000

AVG PRESSURE

50.74650

## RTD/S

1	66.414	2	66.446	3	66.251	4	66.425
5	66.857	6	66.360	7	68.341	8	67.237
9	67.389	10	67.389	11	68.581	12	68.690
13	70.792	14	70.835	15	71.236	16	70.586
17	70.998	18	71.075	19	71.551	20	70.976
21	70.532	22	71.127	23	70.844	24	70.878
INACT	52.599	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 70.075

## DEW CELLS

1	56.471	INACT	59.884	INACT	56.927	4	57.441
INACT	57.183	6	56.870	INACT	55.587	8	56.234
INACT	56.417	INACT	56.562	11	57.804	INACT	56.562
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 56.957

AMBIENT PRESS - 14.593

VAPOR PRESS - .2296973

DRY PRESSURE - 50.5168

FLOWS - 0 0

TOTAL FLOW 0

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## SENSOR LIST

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RECORD NUMBER - 127

DATE - 016

TIME - 0:30: 0

## PRESSURES

1	50.74800	2	50.73900
INACT	0.00000	INACT	0.00000
INACT	0.00000	INACT	0.00000

AVG PRESSURE 50.74350

## RTD/S

1	66.425	2	66.457	3	66.262	4	66.434
5	66.891	6	66.371	7	68.321	8	67.249
9	67.400	10	67.389	11	68.570	12	68.701
13	70.672	14	70.761	15	71.204	16	70.555
17	70.933	18	70.987	19	71.811	20	70.955
21	70.494	22	71.080	23	70.797	24	70.831
INACT	53.414	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 70.046

## DEW CELLS

1	56.657	INACT	65.391	INACT	56.781	4	57.400
INACT	57.251	6	56.897	INACT	55.539	8	56.234
INACT	56.369	INACT	56.330	11	57.708	INACT	56.465
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 56.943

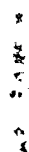
AMBIENT PRESS - 14.593

VAPOR PRESS - .2295855

DRY PRESSURE - 50.51392

FLOWS - 0 0

TOTAL FLOW 0





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## SENSOR LIST

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RECORD NUMBER - 128

DATE - 016

TIME - 0:45: 0

## PRESSURES

-	50.74600	2	-	50.73600
INACT	0.00000	INACT	-	0.00000
INACT	0.00000	INACT	-	0.00000

AVG PRESSURE

50.74100

## RTD/S

1	66.430	2	66.461	3	66.256	4	66.418
5	66.862	6	66.364	7	68.337	8	67.253
9	67.416	10	67.382	11	68.575	12	68.683
13	70.743	14	70.711	15	71.155	16	70.548
17	70.937	18	70.949	19	71.555	20	70.917
21	70.444	22	71.019	23	70.758	24	70.790
INACT	53.926	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 70.017

## DEW CELLS

1	56.521	INACT	63.997	INACT	56.644	4	57.361
INACT	57.163	6	56.879	INACT	55.635	8	56.186
INACT	56.330	INACT	56.369	11	57.804	INACT	56.369
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 56.926

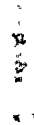
AMBIENT PRESS - 14.593

VAPOR PRESS - .2294473

DRY PRESSURE - 50.51155

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 129

DATE - 016

TIME - 1: 0: 0

## PRESSURES

-	50.74300	2	-	50.73400
INACT	0.00000	INACT	-	0.00000
INACT	0.00000	INACT	-	0.00000

AVG PRESSURE

50.73850

## RTD/S

1	66.425	2	66.489	3	66.274	4	66.446
5	66.900	6	66.380	7	68.341	8	67.258
9	67.432	10	67.400	11	68.593	12	68.690
13	70.629	14	70.749	15	71.127	16	70.521
17	70.912	18	70.901	19	71.476	20	70.890
21	70.451	22	70.971	23	70.743	24	70.765
INACT	53.491	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 69.995

## DEW CELLS

1	56.475	INACT	64.998	INACT	56.551	4	57.311
INACT	57.035	6	56.808	INACT	55.587	8	56.147
56.234	INACT	56.282	11	57.390	INACT	56.369	
0.000	INACT	0.000	INACT	0.000			

AVG DEW CELL 56.778

AMBIENT PRESS - 14.593

VAPOR PRESS - .228222

DRY PRESSURE - 50.51028

FLOWS - 0 0

TOTAL FLOW 0

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## SENSOR LIST

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RECORD NUMBER - 130

DATE - 016

TIME - 1:15: 0

## PRESSURES

1	-	50.74000	2	-	50.73100
INACT	-	0.00000	INACT	-	0.00000
INACT	-	0.00000	INACT	-	0.00000

AVG PRESSURE

50.73550

## RTD/S

1	66.439	2	66.484	3	66.278	4	66.461
5	66.873	6	66.385	7	68.346	8	67.274
9	67.405	10	67.416	11	68.597	12	68.694
13	70.602	14	70.711	15	71.112	16	70.525
17	70.872	18	70.883	19	71.664	20	70.863
21	70.385	22	70.928	23	70.700	24	70.734
INACT	54.041	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 69.984

## DEW CELLS

1	56.488	INACT	67.080	INACT	56.495	4	57.282
INACT	57.017	6	56.800	INACT	55.539	8	56.099
INACT	56.234	INACT	56.186	11	57.852	INACT	56.330
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 56.878

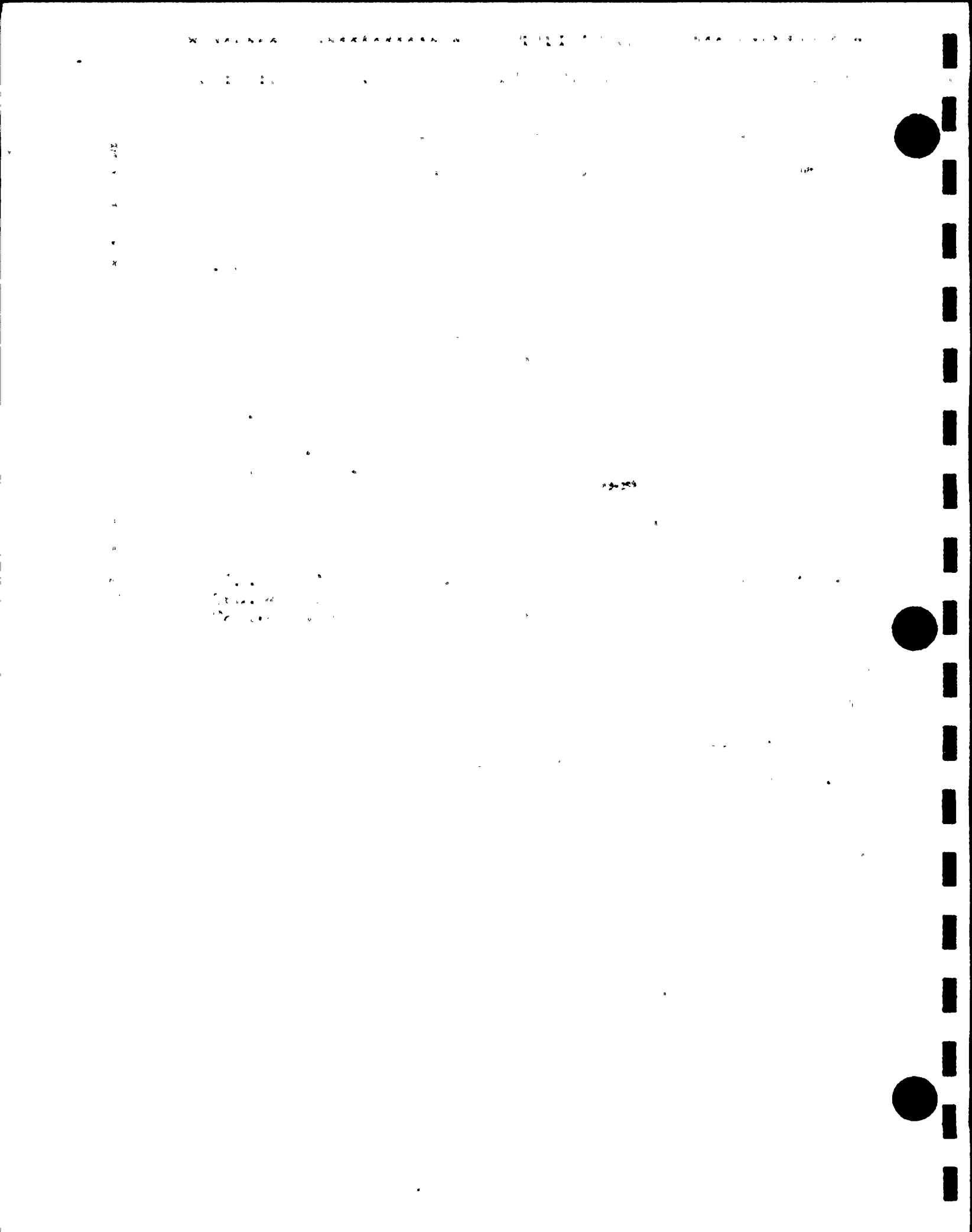
AMBIENT PRESS - 14.593

VAPOR PRESS - .2290476

DRY PRESSURE - 50.50645

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 131

DATE - 016

TIME - 1:30: 0

## PRESSURES

-	50.73800	2	-	50.72900
INACT	0.00000	INACT	-	0.00000
INACT	0.00000	INACT	-	0.00000

AVG PRESSURE

50.73350

## RTD/S

1	66.450	2	66.484	3	66.299	4	66.461
5	66.905	6	66.407	7	68.346	8	67.285
9	67.448	10	67.425	11	68.606	12	68.694
13	70.580	14	70.657	15	71.112	16	70.505
17	70.851	18	70.883	19	71.555	20	70.829
21	70.389	22	70.987	23	70.684	24	70.738
INACT	54.220	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 69.972

## DEW CELLS

1	56.473	INACT	67.856	INACT	56.644	4	57.253
INACT	56.920	6	56.761	INACT	55.539	8	56.099
INACT	56.186	INACT	56.234	11	57.159	INACT	56.282
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 56.691

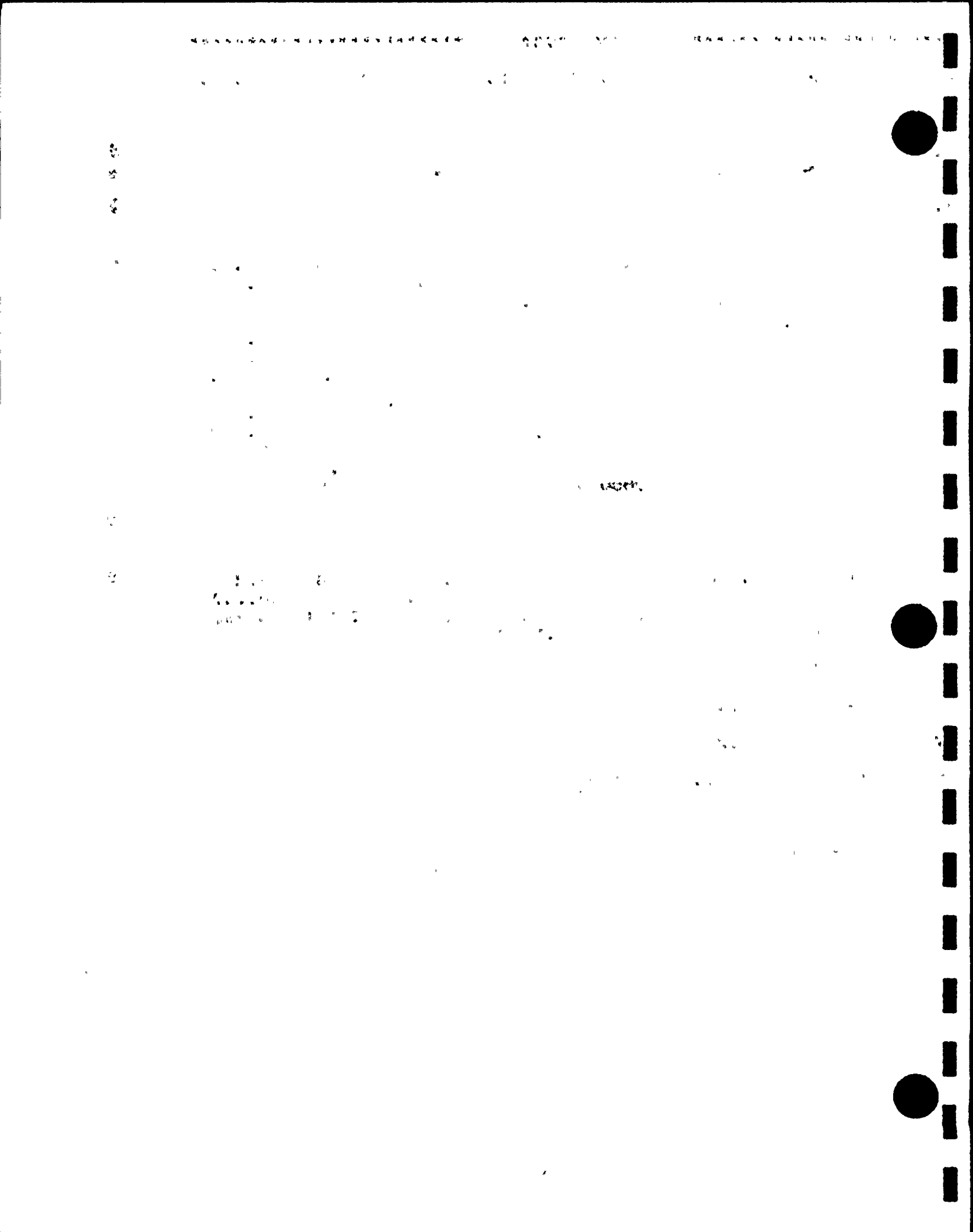
AMBIENT PRESS - 14.593

VAPOR PRESS - .2275062

DRY PRESSURE - 50.50599

FLOWS - 0 0

TOTAL FLOW 0





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## SENSOR LIST

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RECORD NUMBER - 132

DATE - 016

TIME - 1:45: 0

## PRESSURES

-	50.73600	2	-	50.72600
INACT	0.00000	INACT	-	0.00000
INACT	0.00000	INACT	-	0.00000

AVG PRESSURE

50.73100

## RTD/S

1	66.430	2	66.504	3	66.299	4	66.473
5	66.916	6	66.407	7	68.357	8	67.274
9	67.448	10	67.425	11	68.597	12	68.706
13	70.525	14	70.623	15	71.046	16	70.471
17	70.829	18	70.840	19	71.306	20	70.808
21	70.342	22	71.003	23	70.668	24	70.700
INACT	54.506	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 69.936

## DEW CELLS

1	56.578	INACT	64.202	INACT	56.909	4	57.241
INACT	56.986	6	56.712	INACT	55.684	8	56.147
INACT	56.234	INACT	56.234	11	57.438	INACT	56.330
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 56.777

AMBIENT PRESS - 14.593

VAPOR PRESS - .2282102

DRY PRESSURE - 50.50279

FLOWS - 0 0

TOTAL FLOW 0

1945-1946

1945-1946



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## SENSOR LIST

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RECORD NUMBER - 133

DATE - 016

TIME - 2: 0: 0

## PRESSURES

-	50.73400	2	-	50.72400
INACT	0.00000	INACT	-	0.00000
INACT	0.00000	INACT	-	0.00000

AVG PRESSURE

50.72900

## RTD/S

1	66.450	2	66.493	3	66.299	4	66.461
5	66.905	6	66.407	7	68.357	8	67.308
9	67.448	10	67.448	11	68.606	12	68.715
13	70.548	14	70.645	15	71.046	16	70.460
17	70.797	18	70.840	19	71.904	20	70.774
21	70.333	22	70.840	23	70.636	24	70.645
INACT	50.153	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 69.952

## DEW CELLS

1	56.490	INACT	67.478	INACT	56.458	4	57.212
INACT	57.035	6	56.662	INACT	55.635	8	56.050
INACT	56.147	INACT	56.147	11	58.035	INACT	56.282
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 56.864

AMBIENT PRESS - 14.593

VAPOR PRESS - .2289334

DRY PRESSURE - 50.50006

FLOWS - 0 0

TOTAL FLOW 0

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## SENSOR LIST

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RECORD NUMBER - 134

DATE - 016

TIME - 2:15: 0

## PRESSURES

INACT	-	50.73200	2	-	50.72300
INACT	-	0.00000	INACT	-	0.00000
INACT	-	0.00000	INACT	-	0.00000

AVG PRESSURE

50.72750

## RTD/S

1	66.450	2	66.493	3	66.299	4	66.450
5	66.916	6	66.418	7	68.369	8	67.317
9	67.468	10	67.448	11	68.606	12	68.715
13	70.537	14	70.634	15	71.003	16	70.451
17	70.786	18	70.851	19	71.426	20	70.765
21	70.317	22	70.924	23	70.609	24	70.675
INACT	51.640	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 69.928

## DEW CELLS

1	56.467	INACT	63.936	INACT	56.737	4	57.202
INACT	56.936	6	56.592	INACT	55.539	8	56.050
INACT	56.050	INACT	56.050	11	57.207	INACT	56.234
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 56.631

AMBIENT PRESS - 14.593

VAPOR PRESS - .2270135

DRY PRESSURE - 50.50049

FLOWS - 0 0

TOTAL FLOW 0

1944年12月15日

第100号

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1944年12月15日

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## SENSOR LIST

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RECORD NUMBER - 135

DATE - 016

TIME - 2:30: 0

## PRESSURES

INACT	-	50.73000	2	-	50.72100
INACT	-	0.00000	INACT	-	0.00000
INACT	-	0.00000	INACT	-	0.00000

AVG PRESSURE

50.72550

## RTD/S

1	66.461	2	66.484	3	66.299	4	66.473
5	66.884	6	66.418	7	68.369	8	67.308
9	67.468	10	67.459	11	68.617	12	68.715
13	70.494	14	70.602	15	70.992	16	70.439
17	70.765	18	70.808	19	71.263	20	70.720
21	70.279	22	70.894	23	70.582	24	70.645
INACT	52.172	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 69.897

## DEW CELLS

1	56.464	INACT	64.322	INACT	56.469	4	57.163
INACT	56.889	6	56.613	INACT	55.587	8	56.002
INACT	56.099	INACT	56.186	11	57.573	INACT	56.234
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 56.721

AMBIENT PRESS - 14.593

VAPOR PRESS - .2277518

DRY PRESSURE - 50.49775

FLOWS - 0 0

TOTAL FLOW 0

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## SENSOR LIST

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RECORD NUMBER - 136

DATE - 016

TIME - 2:45: 0

## PRESSURES

1	-	50.72800	2	-	50.71900
INACT	-	0.00000	INACT	-	0.00000
INACT	-	0.00000	INACT	-	0.00000

AVG PRESSURE

50.72350

## RTD/S

1	66.450	2	66.504	3	66.310	4	66.484
5	66.916	6	66.430	7	68.369	8	67.317
9	67.468	10	67.448	11	68.606	12	68.715
13	70.514	14	70.580	15	70.949	16	70.417
17	70.731	18	70.731	19	71.209	20	70.731
21	70.279	22	70.874	23	70.571	24	70.602
INACT	51.556	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 69.879

## DEW CELLS

1	56.488	INACT	63.726	INACT	56.783	4	57.085
INACT	56.808	6	56.545	INACT	55.587	8	56.050
INACT	56.050	INACT	56.099	11	57.207	INACT	56.234
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 56.609

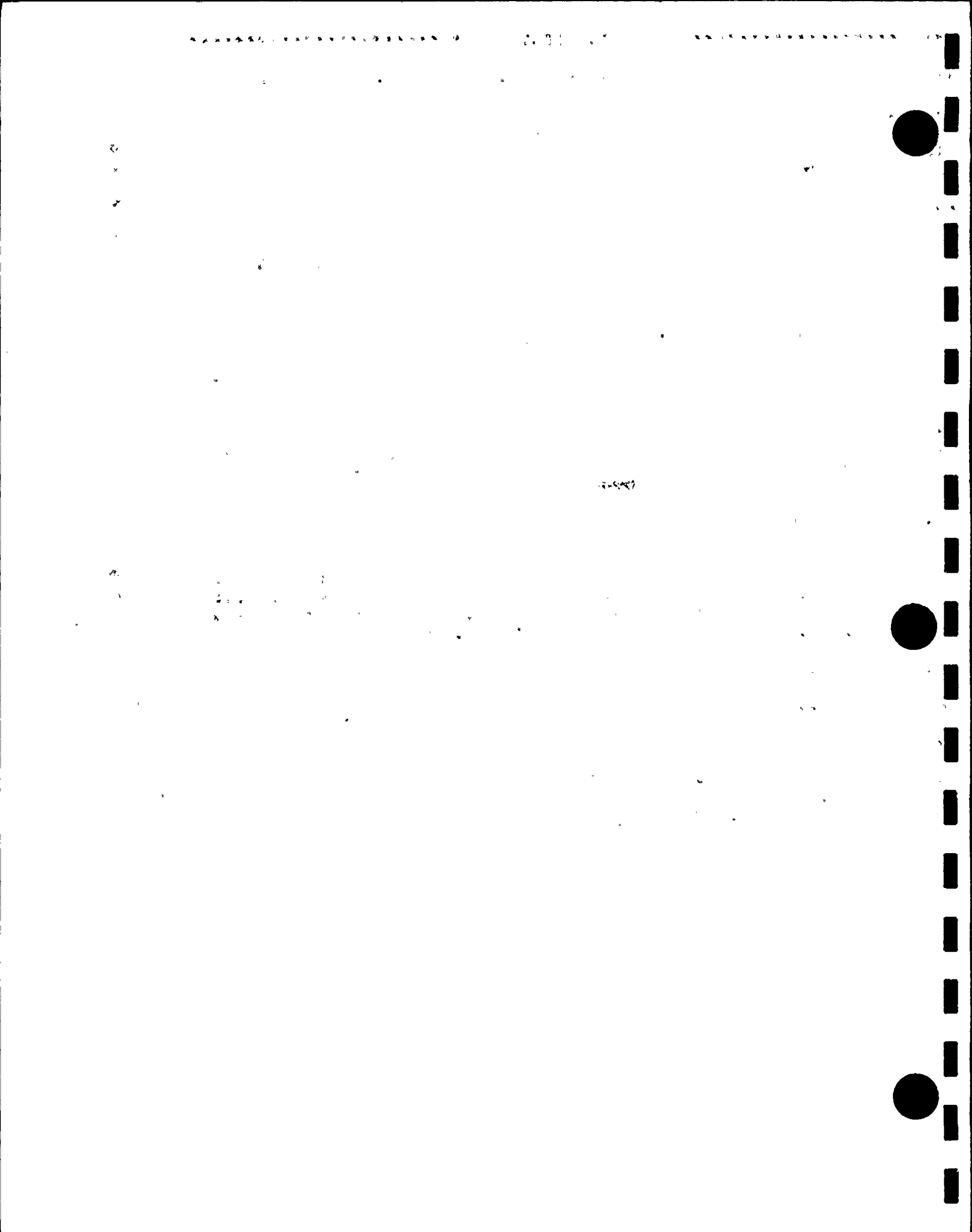
AMBIENT PRESS - 14.593

VAPOR PRESS - .2268296

DRY PRESSURE - 50.49667

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 137

DATE - 016

TIME - 3: 0: 0

## PRESSURES

-	50.72700	2	-	50.71700
INACT	0.00000	INACT	-	0.00000
INACT	0.00000	INACT	-	0.00000

AVG PRESSURE 50.72200

## RTD/S

1	66.473	2	66.516	3	66.310	4	66.473
5	66.905	6	66.418	7	68.357	8	67.328
9	67.468	10	67.459	11	68.617	12	68.706
13	70.439	14	70.537	15	70.937	16	70.417
17	70.720	18	70.700	19	71.057	20	70.700
21	70.251	22	70.901	23	70.555	24	70.609
INACT	50.741	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 69.856

## DEW CELLS

1	56.449	INACT	60.089	INACT	56.606	4	57.144
INACT	56.850	6	56.584	INACT	55.587	8	55.954
INACT	56.002	INACT	55.954	11	57.525	INACT	56.050
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 56.673

AMBIENT PRESS - 14.593

VAPOR PRESS - .2273551

DRY PRESSURE - 50.49464

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 138

DATE - 016

TIME - 3:15: 0

## PRESSURES

1	-	50.72500	2	-	50.71500
INACT	-	0.00000	INACT	-	0.00000
INACT	-	0.00000	INACT	-	0.00000

AVG PRESSURE 50.72000

## RTD/S

1	66.439	2	66.516	3	66.321	4	66.493
5	66.916	6	66.430	7	68.380	8	67.339
9	67.479	10	67.468	11	68.617	12	68.715
13	70.417	14	70.514	15	70.917	16	70.396
17	70.711	18	70.711	19	71.209	20	70.688
21	70.233	22	70.949	23	70.548	24	70.559
INACT	47.779	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 69.856

## DEW CELLS

1	56.438	INACT	63.226	INACT	56.533	4	57.095
INACT	56.751	6	56.574	INACT	55.500	8	55.915
INACT	55.954	INACT	55.954	11	57.015	INACT	56.002
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 56.527

AMBIENT PRESS - 14.593

VAPOR PRESS - .226159

DRY PRESSURE - 50.49384

FLOWS - 0 0

TOTAL FLOW 0



RECORD NUMBER - 139                      DATE - 016                      TIME - 3:30: 0

PRESSURES  
1 - 50.72300                      2 - 50.71300  
INACT - 0.00000                      INACT - 0.00000  
INACT - 0.00000                      INACT - 0.00000

AVG PRESSURE                      50.71800

RTD/S  
1 66.473                      2 66.504                      3 66.321                      4 66.484  
5 66.905                      6 66.418                      7 68.380                      8 67.339  
9 67.502                      10 67.468                      11 68.606                      12 68.715  
13 70.417                      14 70.514                      15 70.917                      16 70.396  
17 70.677                      18 70.700                      19 71.263                      20 70.666  
21 70.202                      22 70.851                      23 70.528                      24 70.571  
INACT 47.164                      INACT 0.000                      INACT 0.000                      INACT 0.000  
INACT 0.000                      INACT 0.000                      INACT 0.000                      INACT 0.000  
INACT 0.000                      INACT 0.000                      INACT 0.000                      INACT 0.000  
INACT 0.000                      INACT 0.000                      INACT 0.000                      INACT 0.000  
INACT 0.000                      INACT 0.000                      INACT 0.000                      INACT 0.000  
INACT 0.000                      INACT 0.000                      INACT 0.000                      INACT 0.000

AVG RTD                      69.847

DEW CELLS  
1 56.390                      INACT 60.153                      INACT 56.638                      4 57.027  
INACT 56.761                      6 56.516                      INACT 55.539                      8 55.915  
55.915                      INACT 56.002                      11 57.525                      INACT 56.099  
0.000                      INACT 0.000                      INACT 0.000

AVG DEW CELL                      56.613

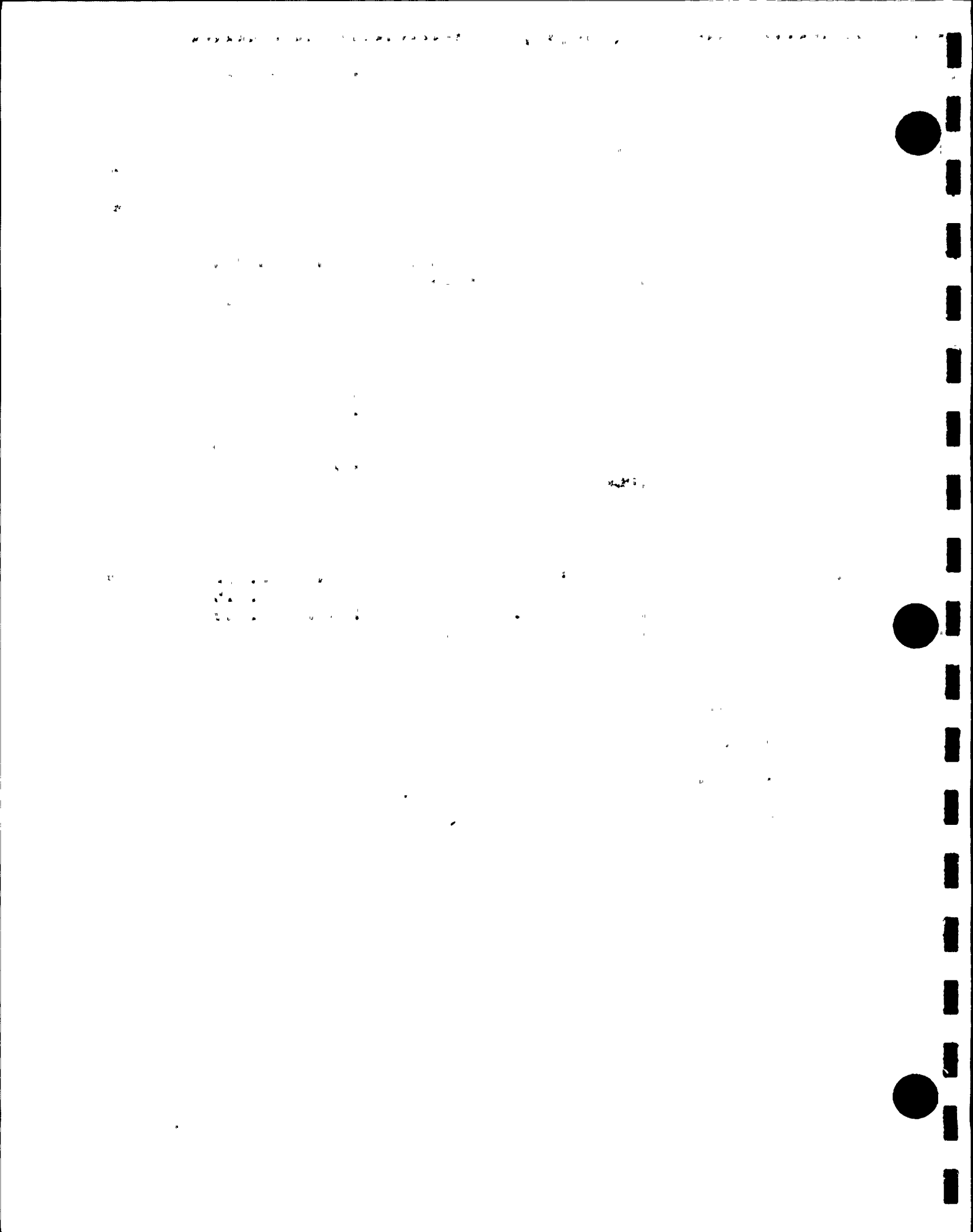
AMBIENT PRESS - 14.593

VAPOR PRESS - .2268638

DRY PRESSURE - 50.49114

FLOWS - 0                      0

TOTAL FLOW 0





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## SENSOR LIST

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RECORD NUMBER - 140

DATE - 016

TIME - 3:45: 0

## PRESSURES

1	-	50.72200	2	-	50.71200
INACT	-	0.00000	INACT	-	0.00000
INACT	-	0.00000	INACT	-	0.00000

AVG PRESSURE 50.71700

## RTD/S

1	66.484	2	66.538	3	66.321	4	66.484
5	66.927	6	66.439	7	68.391	8	67.362
9	67.491	10	67.491	11	68.617	12	68.715
13	70.385	14	70.471	15	70.906	16	70.374
17	70.677	18	70.645	19	71.306	20	70.666
21	70.190	22	70.851	23	70.494	24	70.537
INACT	46.525	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 69.835

## DEW CELLS

1	56.394	INACT	68.000	INACT	56.629	4	56.996
INACT	56.800	6	56.535	INACT	55.539	8	55.915
INACT	55.915	INACT	55.954	11	56.928	INACT	56.002
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 56.471

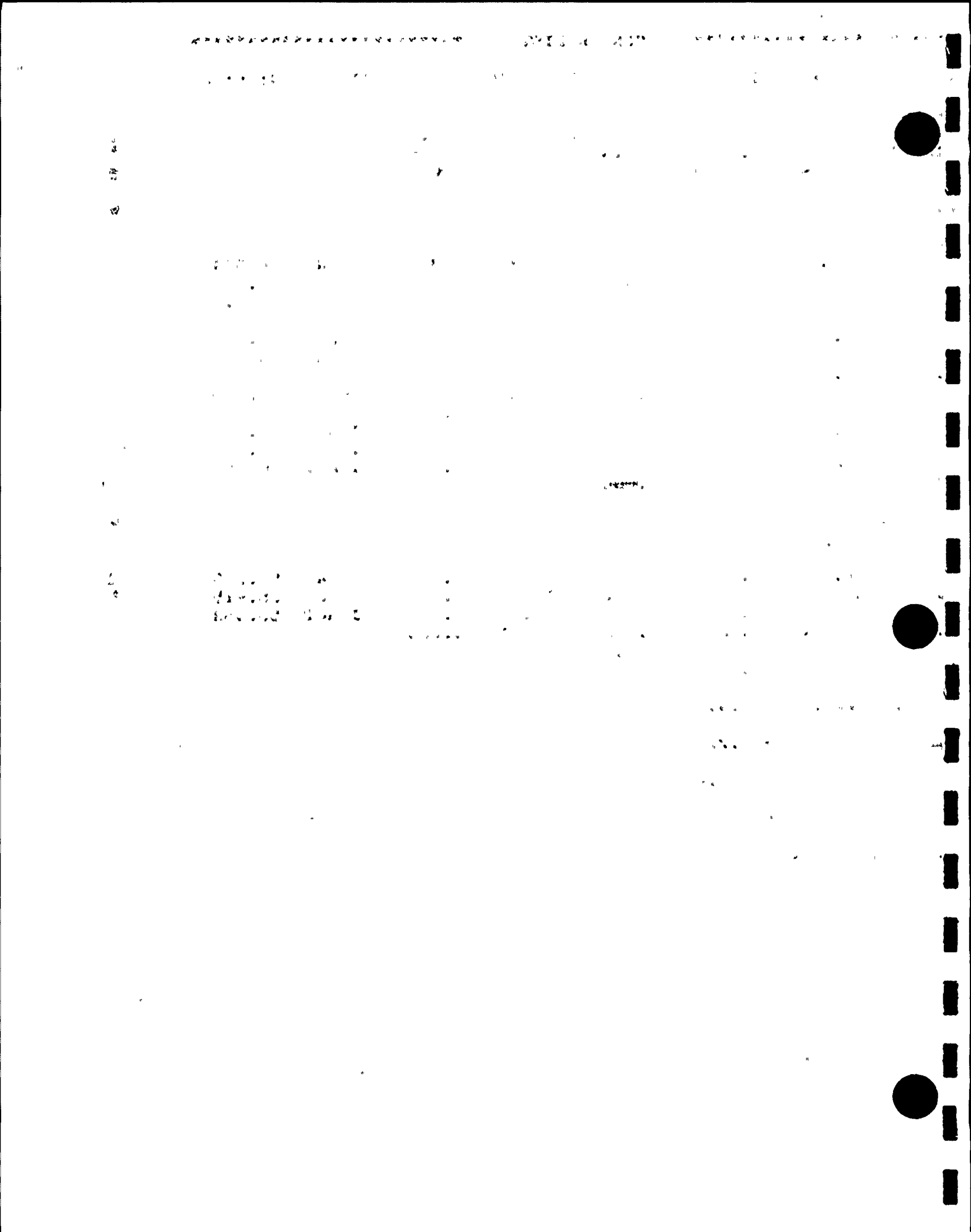
AMBIENT PRESS - 14.593

VAPOR PRESS - .2257008

DRY PRESSURE - 50.4913

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

\*\*\*\*\*

RECORD NUMBER - 141

DATE - 016

TIME - 4: 0: 0

## PRESSURES

1	-	50.72000	2	-	50.71000
INACT	-	0.00000	INACT	-	0.00000
INACT	-	0.00000	INACT	-	0.00000

AVG PRESSURE

50.71500

## RTD/S

1	66.473	2	66.527	3	66.310	4	66.504
5	66.927	6	66.439	7	68.391	8	67.362
9	67.502	10	67.479	11	68.617	12	68.715
13	70.385	14	70.471	15	70.883	16	70.353
17	70.623	18	70.666	19	71.123	20	70.666
21	70.202	22	70.777	23	70.485	24	70.505
INACT	48.221	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 69.814

## DEW CELLS

1	56.407	INACT	66.776	INACT	56.631	4	57.033
INACT	56.668	6	56.462	INACT	55.587	8	55.915
INACT	55.954	INACT	56.002	11	57.390	INACT	55.954
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 56.585

AMBIENT PRESS - 14.593

VAPOR PRESS - .2266353

DRY PRESSURE - 50.48837

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 142

DATE - 016

TIME - 4:15: 0

## PRESSURES

1	-	50.71800	2	-	50.70900
INACT	-	0.00000	INACT	-	0.00000
INACT	-	0.00000	INACT	-	0.00000

AVG PRESSURE

50.71350

## RTD/S

1	66.493	2	66.547	3	66.310	4	66.516
5	66.950	6	66.439	7	68.400	8	67.362
9	67.522	10	67.491	11	68.617	12	68.715
13	70.396	14	70.460	15	70.851	16	70.362
17	70.634	18	70.677	19	71.112	20	70.634
21	70.170	22	70.700	23	70.451	24	70.485
INACT	49.365	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000
INACT	0.000	INACT	0.000	INACT	0.000	INACT	0.000

AVG RTD 69.807

## DEW CELLS

1	56.360	INACT	65.574	INACT	56.612	4	56.967
INACT	56.662	6	56.475	INACT	55.587	8	55.867
INACT	55.915	INACT	55.954	11	57.294	INACT	56.050
INACT	0.000	INACT	0.000	INACT	0.000		

AVG DEW CELL 56.535

AMBIENT PRESS - 14.593

VAPOR PRESS - .2262215

DRY PRESSURE - 50.48728

FLOWS - 0 0

TOTAL FLOW 0

2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 841.

24

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## SENSOR LIST

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RECORD NUMBER - 143

DATE - 016

TIME - 4:30: 0

## PRESSURES

|       |   |          |       |   |          |
|-------|---|----------|-------|---|----------|
| 1     | - | 50.71700 | 2     | - | 50.70800 |
| INACT | - | 0.00000  | INACT | - | 0.00000  |
| INACT | - | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE

50.71250

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.504 | 2     | 66.527 | 3     | 66.353 | 4     | 66.493 |
| 5     | 66.905 | 6     | 66.450 | 7     | 68.400 | 8     | 67.362 |
| 9     | 67.522 | 10    | 67.502 | 11    | 68.617 | 12    | 68.715 |
| 13    | 70.385 | 14    | 70.451 | 15    | 70.840 | 16    | 70.342 |
| 17    | 70.634 | 18    | 70.634 | 19    | 71.598 | 20    | 70.614 |
| 21    | 70.159 | 22    | 70.840 | 23    | 70.451 | 24    | 70.485 |
| INACT | 49.311 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.830

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.410 | INACT | 63.326 | INACT | 56.469 | 4     | 56.936 |
| INACT | 56.642 | 6     | 56.436 | INACT | 55.500 | 8     | 55.867 |
| INACT | 55.819 | INACT | 55.819 | 11    | 57.438 | INACT | 55.915 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 56.541

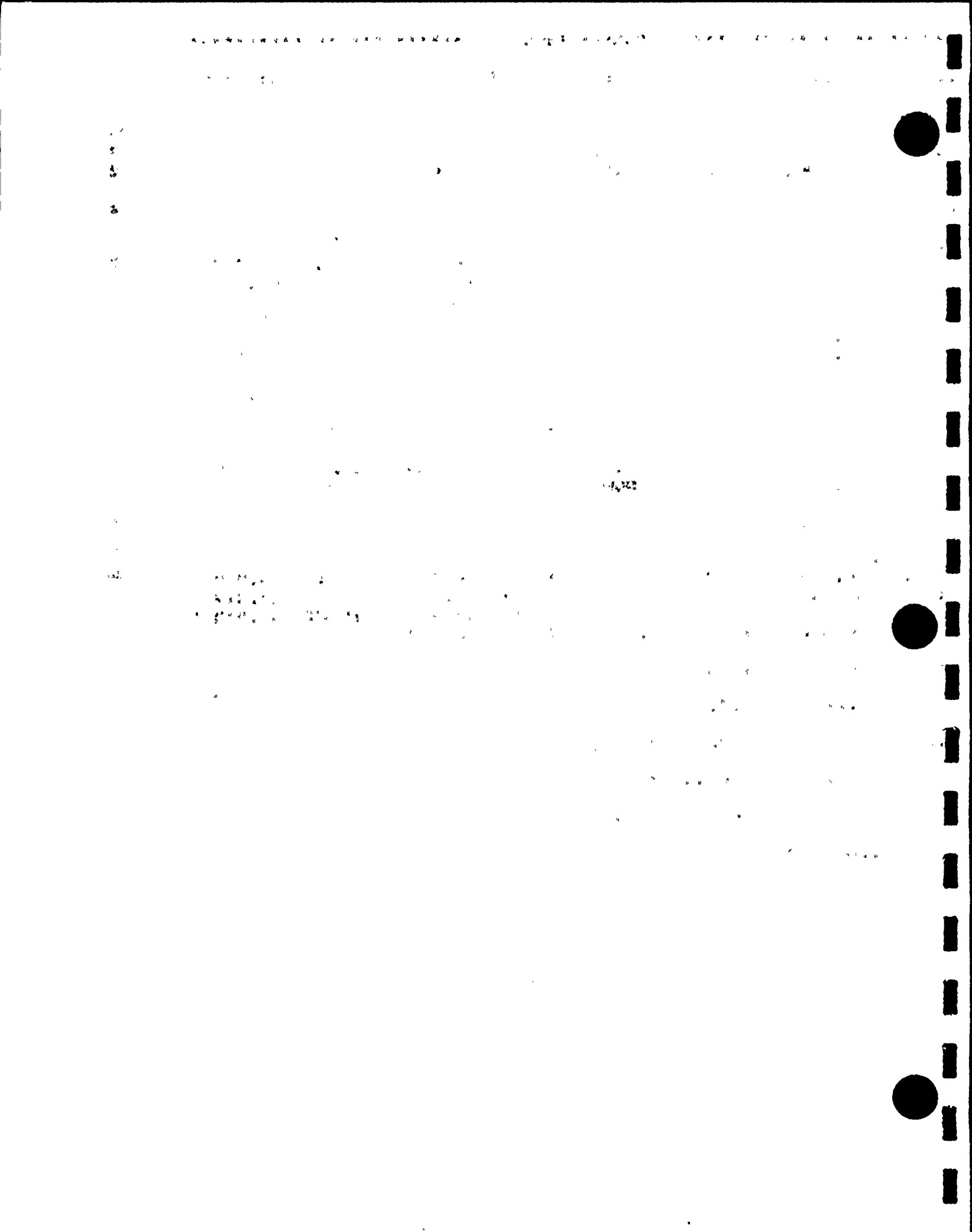
AMBIENT PRESS - 14.593

VAPOR PRESS - .2262767

DRY PRESSURE - 50.48623

FLOWS - 0 0

TOTAL FLOW 0





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## SENSOR LIST

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RECORD NUMBER - 144

DATE - 016

TIME - 4:45: 0

## PRESSURES

|       |   |          |       |   |          |
|-------|---|----------|-------|---|----------|
| 1     | - | 50.71500 | 2     | - | 50.70600 |
| INACT | - | 0.00000  | INACT | - | 0.00000  |
| INACT | - | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE

50.71050

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.473 | 2     | 66.547 | 3     | 66.342 | 4     | 66.504 |
| 5     | 66.970 | 6     | 66.439 | 7     | 68.400 | 8     | 67.371 |
| 9     | 67.522 | 10    | 67.502 | 11    | 68.629 | 12    | 68.694 |
| 13    | 70.319 | 14    | 70.428 | 15    | 70.851 | 16    | 70.319 |
| 17    | 70.614 | 18    | 70.657 | 19    | 71.306 | 20    | 70.591 |
| 21    | 70.116 | 22    | 70.711 | 23    | 70.430 | 24    | 70.473 |
| INACT | 48.307 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.795

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.423 | INACT | 61.150 | INACT | 56.446 | 4     | 56.928 |
| INACT | 56.683 | 6     | 56.357 | INACT | 55.500 | 8     | 55.819 |
| INACT | 55.771 | INACT | 55.771 | 11    | 56.976 | INACT | 56.002 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 56.405

AMBIENT PRESS - 14.593

VAPOR PRESS - .2251593

DRY PRESSURE - 50.48534

FLOWS - 0 0

TOTAL FLOW 0

1  
2  
3

4

5

6  
7  
8  
9  
10

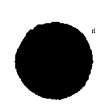
11

12

13

14

15



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## SENSOR LIST

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RECORD NUMBER - 145

DATE - 016

TIME - 5: 0: 0

## PRESSURES

|       |          |       |   |          |
|-------|----------|-------|---|----------|
| -     | 50.71400 | 2     | - | 50.70500 |
| INACT | 0.00000  | INACT | - | 0.00000  |
| INACT | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE

50.70950

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.484 | 2     | 66.538 | 3     | 66.342 | 4     | 66.493 |
| 5     | 66.950 | 6     | 66.439 | 7     | 68.400 | 8     | 67.371 |
| 9     | 67.534 | 10    | 67.502 | 11    | 68.617 | 12    | 68.706 |
| 13    | 70.308 | 14    | 70.417 | 15    | 70.797 | 16    | 70.308 |
| 17    | 70.602 | 18    | 70.580 | 19    | 71.664 | 20    | 70.591 |
| 21    | 70.136 | 22    | 70.645 | 23    | 70.396 | 24    | 70.439 |
| INACT | 47.788 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.795

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.346 | INACT | 59.371 | INACT | 56.525 | 4     | 56.947 |
| INACT | 56.712 | 6     | 56.337 | INACT | 55.500 | 8     | 55.819 |
| INACT | 55.684 | INACT | 55.819 | 11    | 57.246 | INACT | 55.954 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 56.438

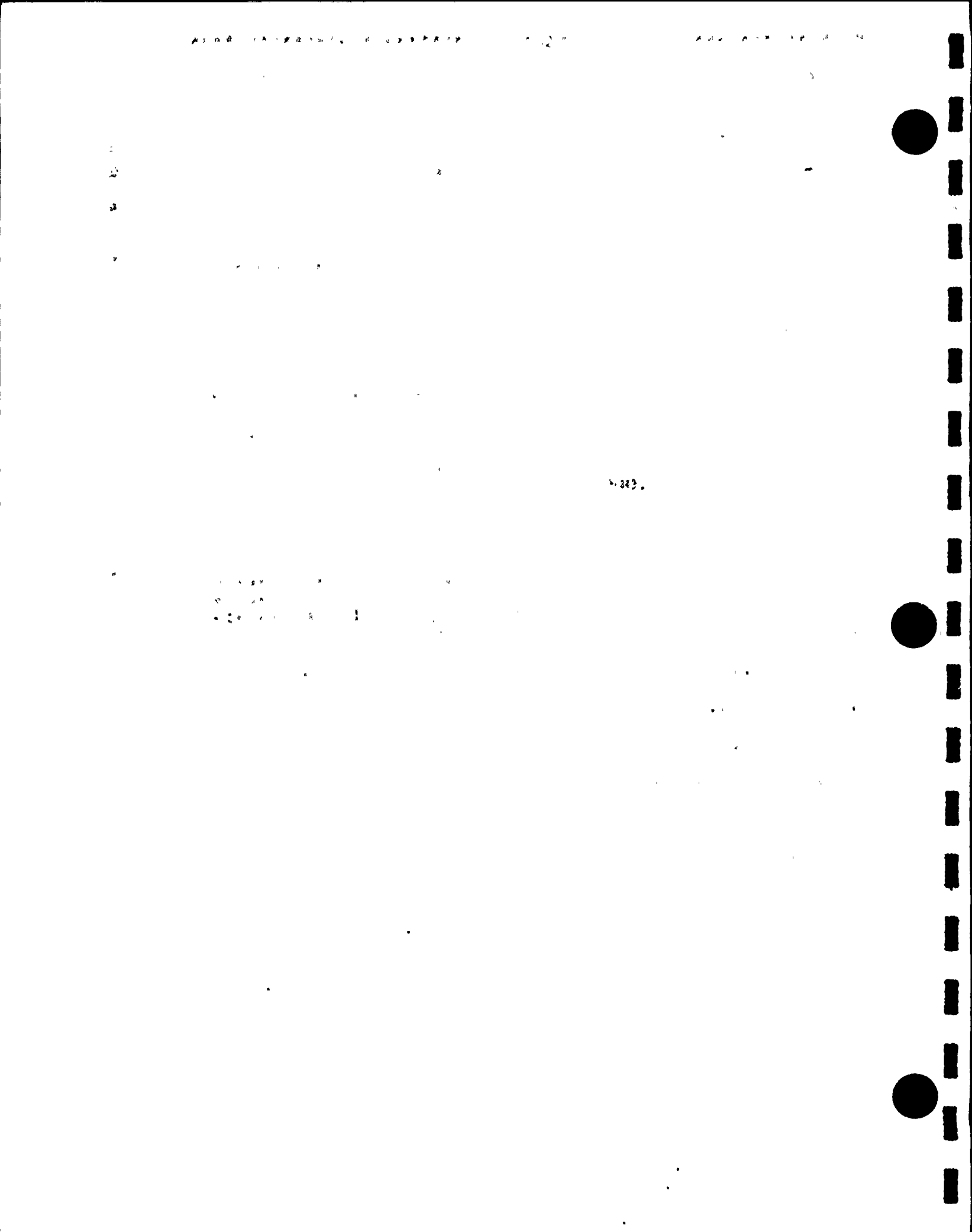
AMBIENT PRESS - 14.593

VAPOR PRESS - .2254336

DRY PRESSURE - 50.48407

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 146

DATE - 016

TIME - 5:15: 0

## PRESSURES

|       |          |       |   |          |
|-------|----------|-------|---|----------|
| -     | 50.71300 | 2     | - | 50.70300 |
| INACT | 0.00000  | INACT | - | 0.00000  |
| INACT | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.70800

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.516 | 2     | 66.538 | 3     | 66.353 | 4     | 66.516 |
| 5     | 66.916 | 6     | 66.450 | 7     | 68.412 | 8     | 67.382 |
| 9     | 67.545 | 10    | 67.502 | 11    | 68.617 | 12    | 68.715 |
| 13    | 70.319 | 14    | 70.362 | 15    | 70.808 | 16    | 70.299 |
| 17    | 70.559 | 18    | 70.548 | 19    | 71.057 | 20    | 70.568 |
| 21    | 70.104 | 22    | 70.668 | 23    | 70.408 | 24    | 70.439 |
| INACT | 46.936 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.754

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.344 | INACT | 59.331 | INACT | 56.495 | 4     | 56.909 |
| INACT | 56.683 | 6     | 56.368 | INACT | 55.452 | 8     | 55.771 |
| INACT | 55.635 | INACT | 55.819 | 11    | 57.246 | INACT | 55.915 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 56.420

AMBIENT PRESS - 14.593

VAPOR PRESS - .2252886

DRY PRESSURE - 50.48271

FLOWS - 0 0

TOTAL FLOW 0

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## SENSOR LIST

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RECORD NUMBER - 147

DATE - 016

TIME - 5:30: 0

## PRESSURES

|       |          |       |   |          |
|-------|----------|-------|---|----------|
| -     | 50.71100 | 2     | - | 50.70200 |
| INACT | 0.00000  | INACT | - | 0.00000  |
| INACT | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE

50.70650

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.489 | 2     | 66.543 | 3     | 66.348 | 4     | 66.523 |
| 5     | 66.955 | 6     | 66.457 | 7     | 68.396 | 8     | 67.378 |
| 9     | 67.529 | 10    | 67.518 | 11    | 68.613 | 12    | 68.690 |
| 13    | 70.303 | 14    | 70.369 | 15    | 70.781 | 16    | 70.283 |
| 17    | 70.555 | 18    | 70.586 | 19    | 70.901 | 20    | 70.555 |
| 21    | 70.079 | 22    | 70.641 | 23    | 70.383 | 24    | 70.435 |
| INACT | 46.846 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.740

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.364 | INACT | 59.356 | INACT | 56.411 | 4     | 56.889 |
| INACT | 56.623 | 6     | 56.318 | INACT | 55.500 | 8     | 55.771 |
| INACT | 55.771 | INACT | 55.819 | 11    | 56.697 | INACT | 55.819 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 56.315

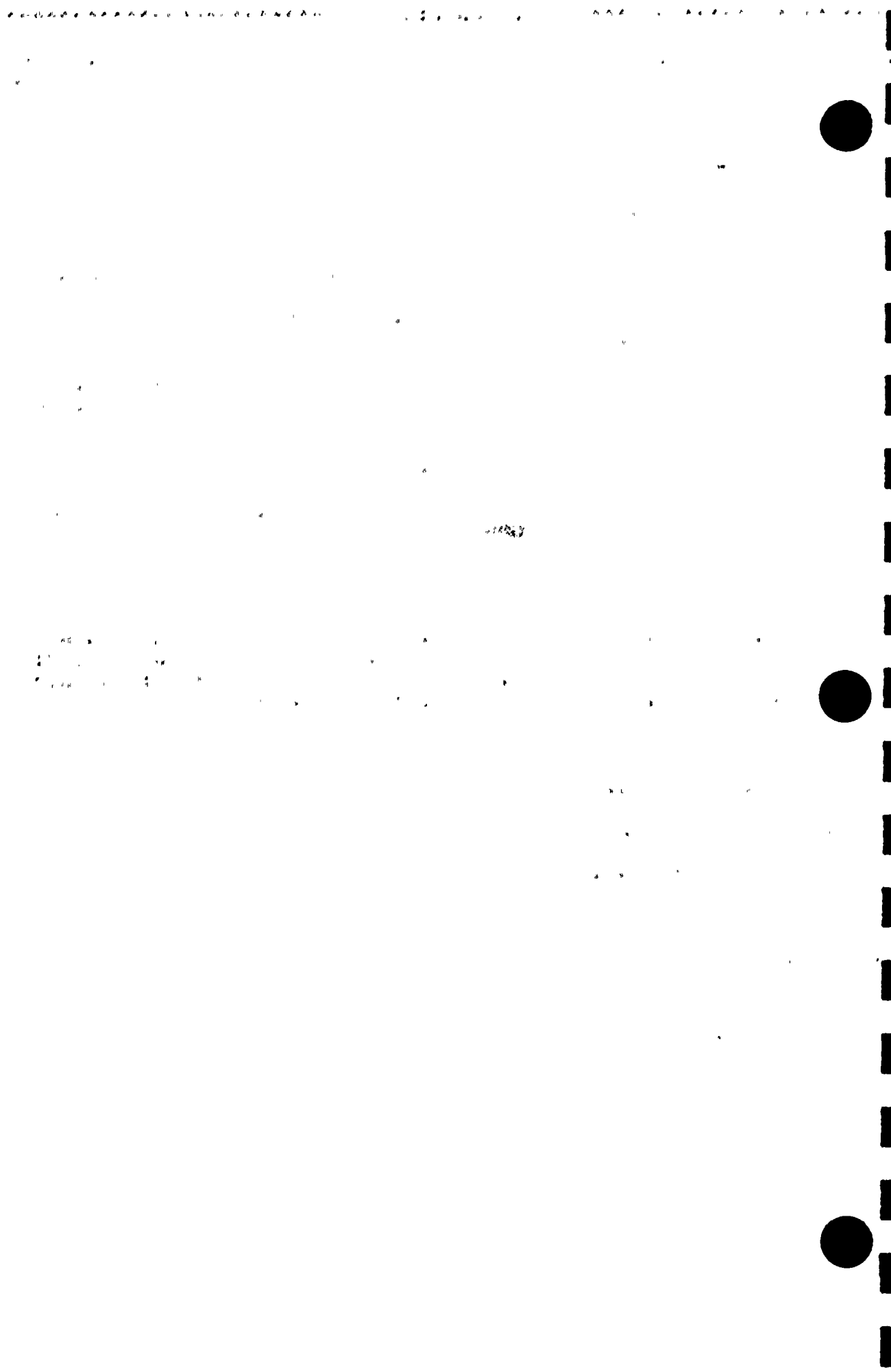
AMBIENT PRESS - 14.593

VAPOR PRESS - .2244291

DRY PRESSURE - 50.48207

FLOWS - 0 0

TOTAL FLOW 0





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## SENSOR LIST

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RECORD NUMBER - 148

DATE - 016

TIME - 5:45: 0

## PRESSURES

|       |          |       |   |          |
|-------|----------|-------|---|----------|
| -     | 50.71000 | 2     | - | 50.70100 |
| INACT | 0.00000  | INACT | - | 0.00000  |
| INACT | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE

50.70550

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.500 | 2     | 66.554 | 3     | 66.348 | 4     | 66.511 |
| 5     | 66.946 | 6     | 66.457 | 7     | 68.407 | 8     | 67.389 |
| 9     | 67.541 | 10    | 67.518 | 11    | 68.624 | 12    | 68.701 |
| 13    | 70.294 | 14    | 70.369 | 15    | 70.770 | 16    | 70.272 |
| 17    | 70.555 | 18    | 70.555 | 19    | 71.519 | 20    | 70.521 |
| 21    | 70.068 | 22    | 70.632 | 23    | 70.349 | 24    | 70.435 |
| INACT | 47.721 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.764

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.379 | INACT | 59.286 | INACT | 56.431 | 4     | 56.819 |
| INACT | 56.535 | 6     | 56.287 | INACT | 55.500 | 8     | 55.771 |
| INACT | 55.684 | INACT | 55.819 | 11    | 57.438 | INACT | 55.867 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 56.455

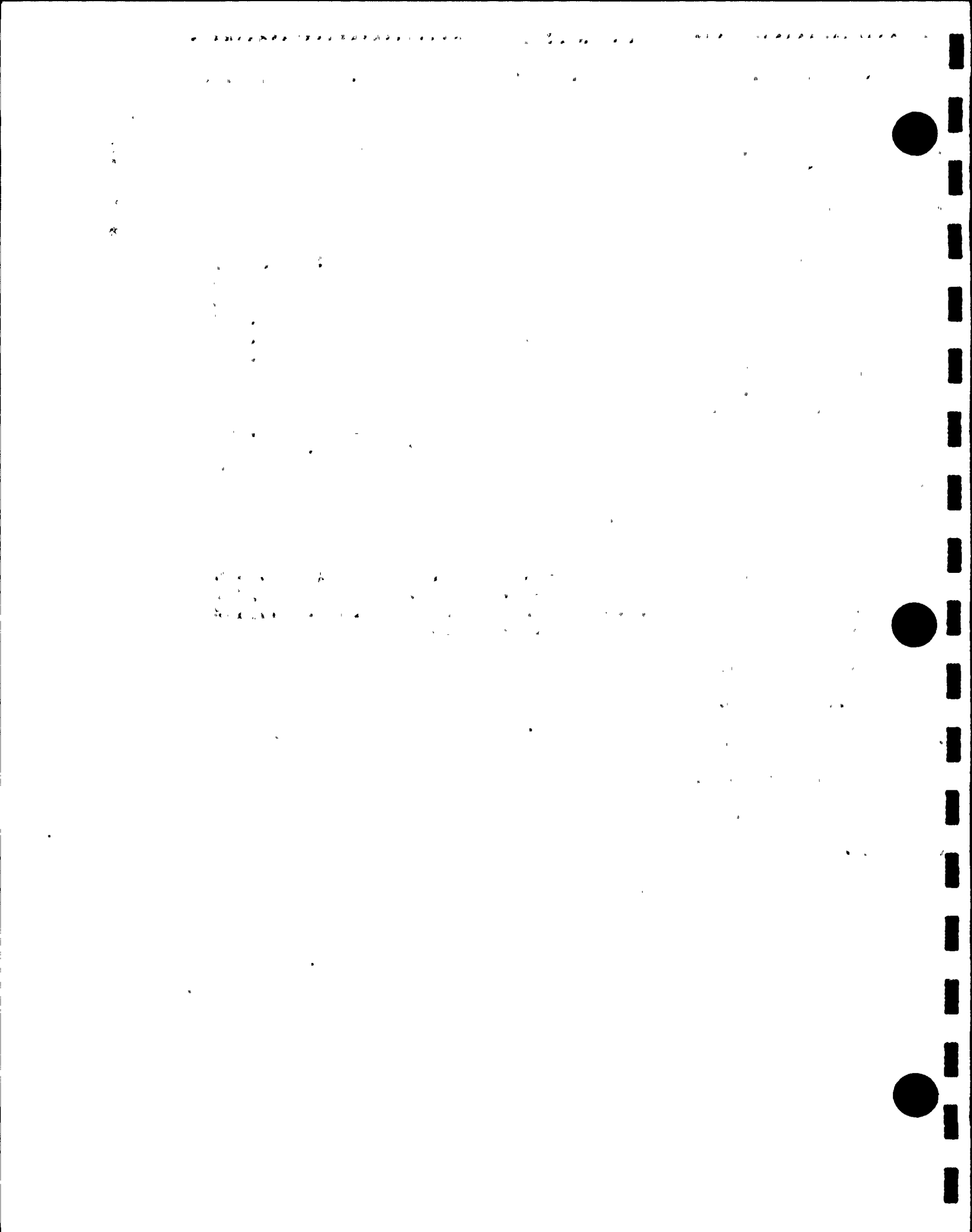
AMBIENT PRESS - 14.593

VAPOR PRESS - .2255745

DRY PRESSURE - 50.47992

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 149

DATE - 016

TIME - 6: 0: 0

## PRESSURES

|       |          |       |   |          |
|-------|----------|-------|---|----------|
| -     | 50.70900 | 2     | - | 50.70000 |
| INACT | 0.00000  | INACT | - | 0.00000  |
| INACT | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE

50.70450

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.489 | 2     | 66.554 | 3     | 66.348 | 4     | 66.511 |
| 5     | 66.977 | 6     | 66.457 | 7     | 68.407 | 8     | 67.389 |
| 9     | 67.563 | 10    | 67.518 | 11    | 68.624 | 12    | 68.690 |
| 13    | 70.260 | 14    | 70.369 | 15    | 70.749 | 16    | 70.283 |
| 17    | 70.521 | 18    | 70.555 | 19    | 71.161 | 20    | 70.532 |
| 21    | 70.068 | 22    | 70.718 | 23    | 70.360 | 24    | 70.414 |
| INACT | 48.528 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.745

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.377 | INACT | 59.491 | INACT | 56.440 | 4     | 56.868 |
| INACT | 56.485 | 6     | 56.287 | INACT | 55.394 | 8     | 55.722 |
| INACT | 55.578 | INACT | 55.674 | 11    | 56.918 | INACT | 55.809 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 56.310

AMBIENT PRESS - 14.593

VAPOR PRESS - .2243905

DRY PRESSURE - 50.48011

FLOWS - 0 0

TOTAL FLOW 0

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## SENSOR LIST

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RECORD NUMBER - 150

DATE - 016

TIME - 6:15: 0

## PRESSURES

|       |          |       |   |          |
|-------|----------|-------|---|----------|
| 1     | 50.70800 | 2     | - | 50.69900 |
| INACT | 0.00000  | INACT | - | 0.00000  |
| INACT | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE

50.70350

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.480 | 2     | 66.577 | 3     | 66.371 | 4     | 66.523 |
| 5     | 66.946 | 6     | 66.468 | 7     | 68.418 | 8     | 67.378 |
| 9     | 67.572 | 10    | 67.529 | 11    | 68.624 | 12    | 68.690 |
| 13    | 70.249 | 14    | 70.358 | 15    | 70.749 | 16    | 70.249 |
| 17    | 70.532 | 18    | 70.500 | 19    | 70.967 | 20    | 70.509 |
| 21    | 70.057 | 22    | 70.663 | 23    | 70.360 | 24    | 70.392 |
| INACT | 48.691 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.721

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.362 | INACT | 59.214 | INACT | 56.458 | 4     | 56.839 |
| INACT | 56.526 | 6     | 56.269 | INACT | 55.452 | 8     | 55.722 |
| INACT | 55.587 | INACT | 55.819 | 11    | 56.648 | INACT | 55.722 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 56.240

AMBIENT PRESS - 14.593

VAPOR PRESS - .2238183

DRY PRESSURE - 50.47968

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 151

DATE - 016

TIME - 6:30: 0

## PRESSURES

|       |   |          |       |   |          |
|-------|---|----------|-------|---|----------|
| 1     | - | 50.70600 | 2     | - | 50.69700 |
| INACT | - | 0.00000  | INACT | - | 0.00000  |
| INACT | - | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.70150

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.500 | 2     | 66.577 | 3     | 66.371 | 4     | 66.543 |
| 5     | 67.000 | 6     | 66.480 | 7     | 68.418 | 8     | 67.412 |
| 9     | 67.563 | 10    | 67.541 | 11    | 68.647 | 12    | 68.690 |
| 13    | 70.217 | 14    | 70.337 | 15    | 70.727 | 16    | 70.249 |
| 17    | 70.509 | 18    | 70.521 | 19    | 71.259 | 20    | 70.532 |
| 21    | 70.061 | 22    | 70.700 | 23    | 70.322 | 24    | 70.376 |
| INACT | 48.749 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.734

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.320 | INACT | 64.358 | INACT | 56.420 | 4     | 56.839 |
| INACT | 56.495 | 6     | 56.261 | INACT | 55.452 | 8     | 55.722 |
| INACT | 55.587 | INACT | 55.722 | 11    | 57.294 | INACT | 55.819 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 56.386

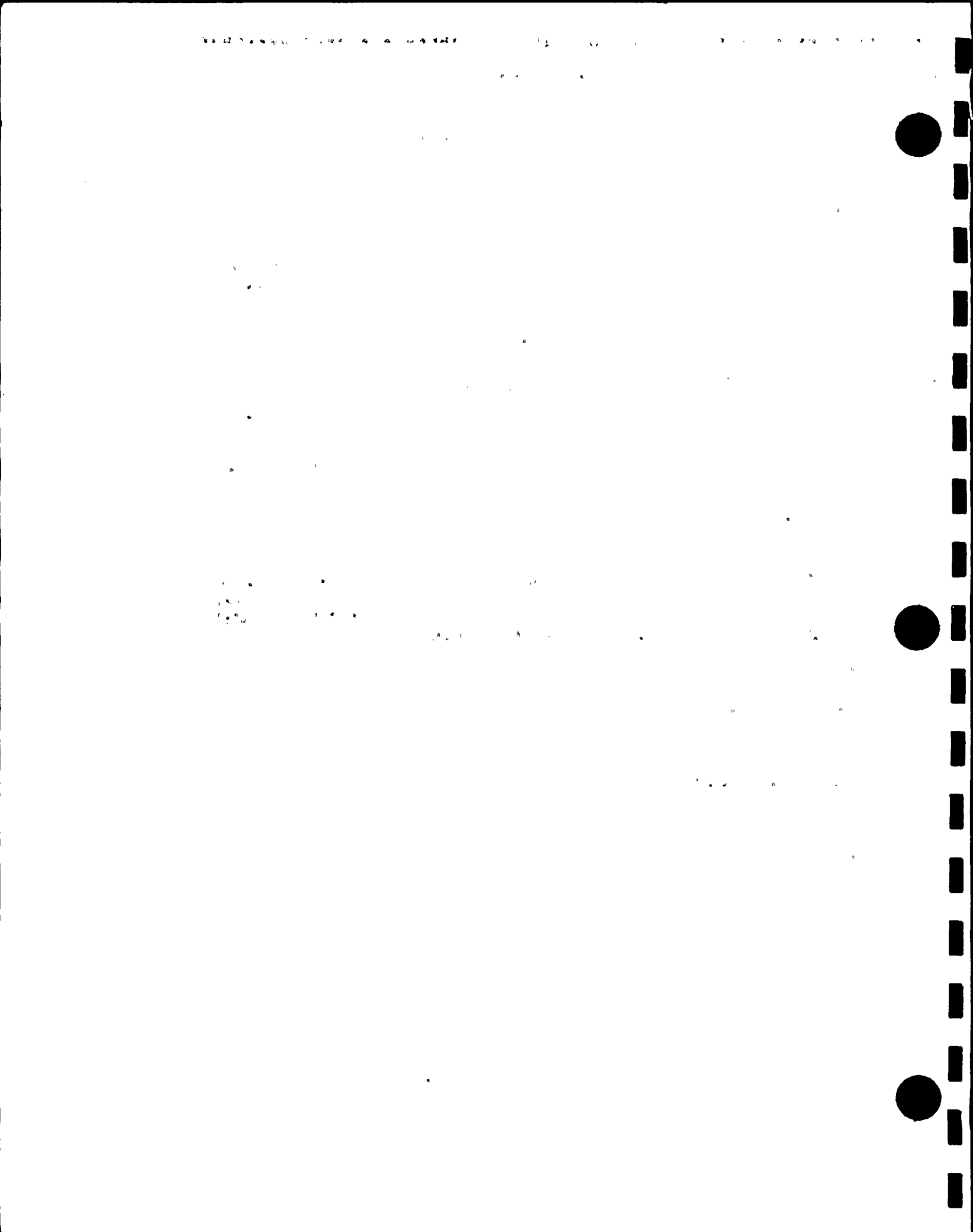
AMBIENT PRESS - 14.593

VAPOR PRESS - .2250044

DRY PRESSURE - 50.47649

FLOWS - 0 0

TOTAL FLOW 0





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## SENSOR LIST

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RECORD NUMBER - 152

DATE - 016

TIME - 6:45: 0

## PRESSURES

|       |          |       |   |          |
|-------|----------|-------|---|----------|
| -     | 50.70500 | 2     | - | 50.69600 |
| INACT | 0.00000  | INACT | - | 0.00000  |
| INACT | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.70050

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.523 | 2     | 66.597 | 3     | 66.371 | 4     | 66.543 |
| 5     | 66.966 | 6     | 66.489 | 7     | 68.430 | 8     | 67.443 |
| 9     | 67.584 | 10    | 67.541 | 11    | 68.647 | 12    | 68.701 |
| 13    | 70.229 | 14    | 70.315 | 15    | 70.738 | 16    | 70.249 |
| 17    | 70.500 | 18    | 70.509 | 19    | 71.388 | 20    | 70.509 |
| 21    | 70.050 | 22    | 70.636 | 23    | 70.322 | 24    | 70.365 |
| INACT | 48.470 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.735

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.305 | INACT | 67.161 | INACT | 56.379 | 4     | 56.800 |
| INACT | 56.376 | 6     | 56.199 | INACT | 55.452 | 8     | 55.684 |
| INACT | 55.635 | INACT | 55.771 | 11    | 57.246 | INACT | 55.819 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 56.364

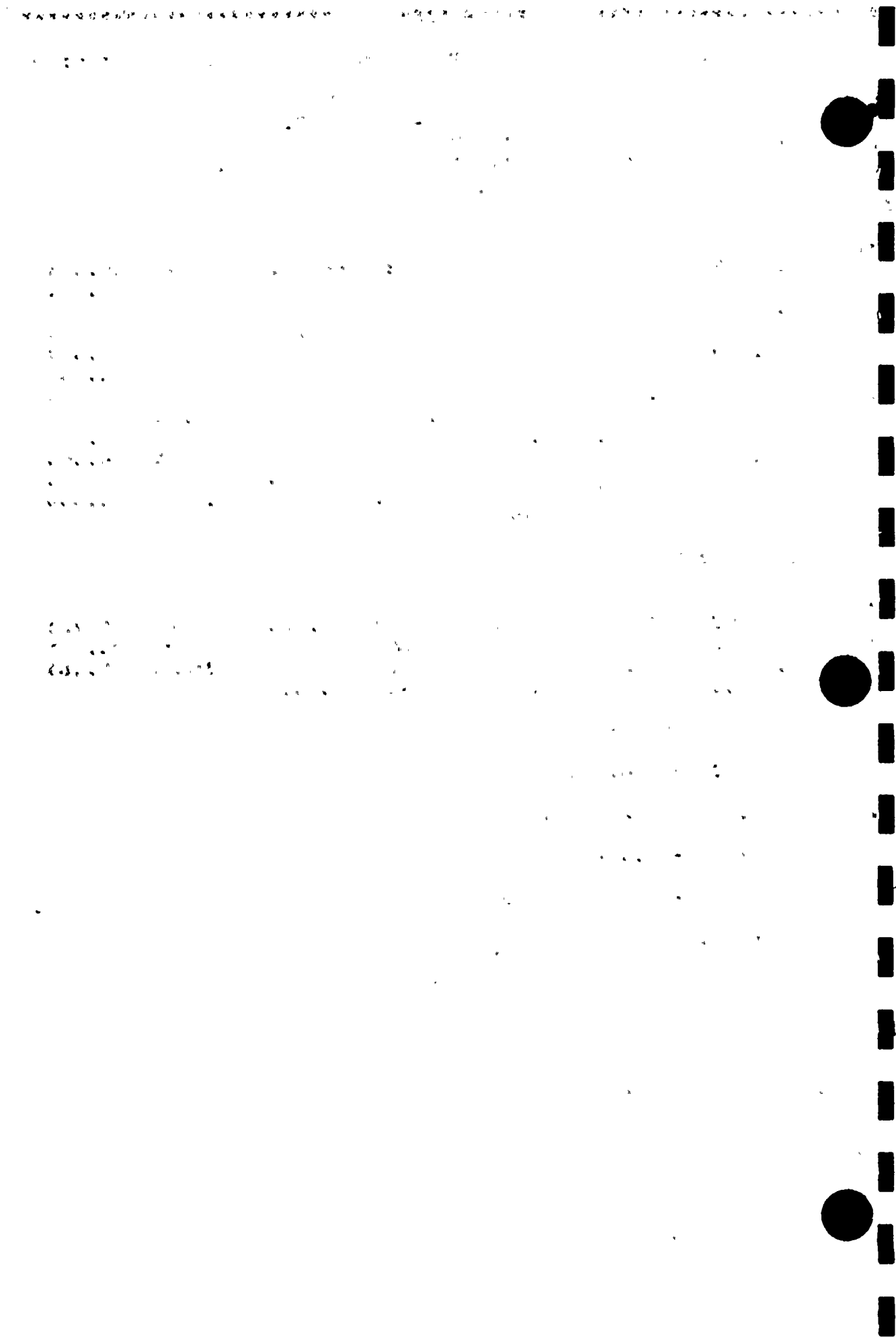
AMBIENT PRESS - 14.593

VAPOR PRESS - .2248328

DRY PRESSURE - 50.47567

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 153

DATE - 016

TIME - 7: 0: 0

## PRESSURES

|         |          |         |   |          |
|---------|----------|---------|---|----------|
| -       | 50.70400 | 2       | - | 50.69500 |
| INACT - | 0.00000  | INACT - | - | 0.00000  |
| INACT - | 0.00000  | INACT - | - | 0.00000  |

AVG PRESSURE 50.69950

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.523 | 2     | 66.588 | 3     | 66.371 | 4     | 66.543 |
| 5     | 67.020 | 6     | 66.480 | 7     | 68.418 | 8     | 67.421 |
| 9     | 67.572 | 10    | 67.563 | 11    | 68.636 | 12    | 68.701 |
| 13    | 70.294 | 14    | 70.315 | 15    | 70.695 | 16    | 70.229 |
| 17    | 70.489 | 18    | 70.521 | 19    | 71.064 | 20    | 70.457 |
| 21    | 70.018 | 22    | 70.591 | 23    | 70.299 | 24    | 70.333 |
| INACT | 48.858 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.711

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.257 | INACT | 59.862 | INACT | 56.353 | 4     | 56.751 |
| INACT | 56.407 | 6     | 56.219 | INACT | 55.355 | 8     | 55.635 |
| INACT | 55.539 | INACT | 55.587 | 11    | 56.832 | INACT | 55.684 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 56.229

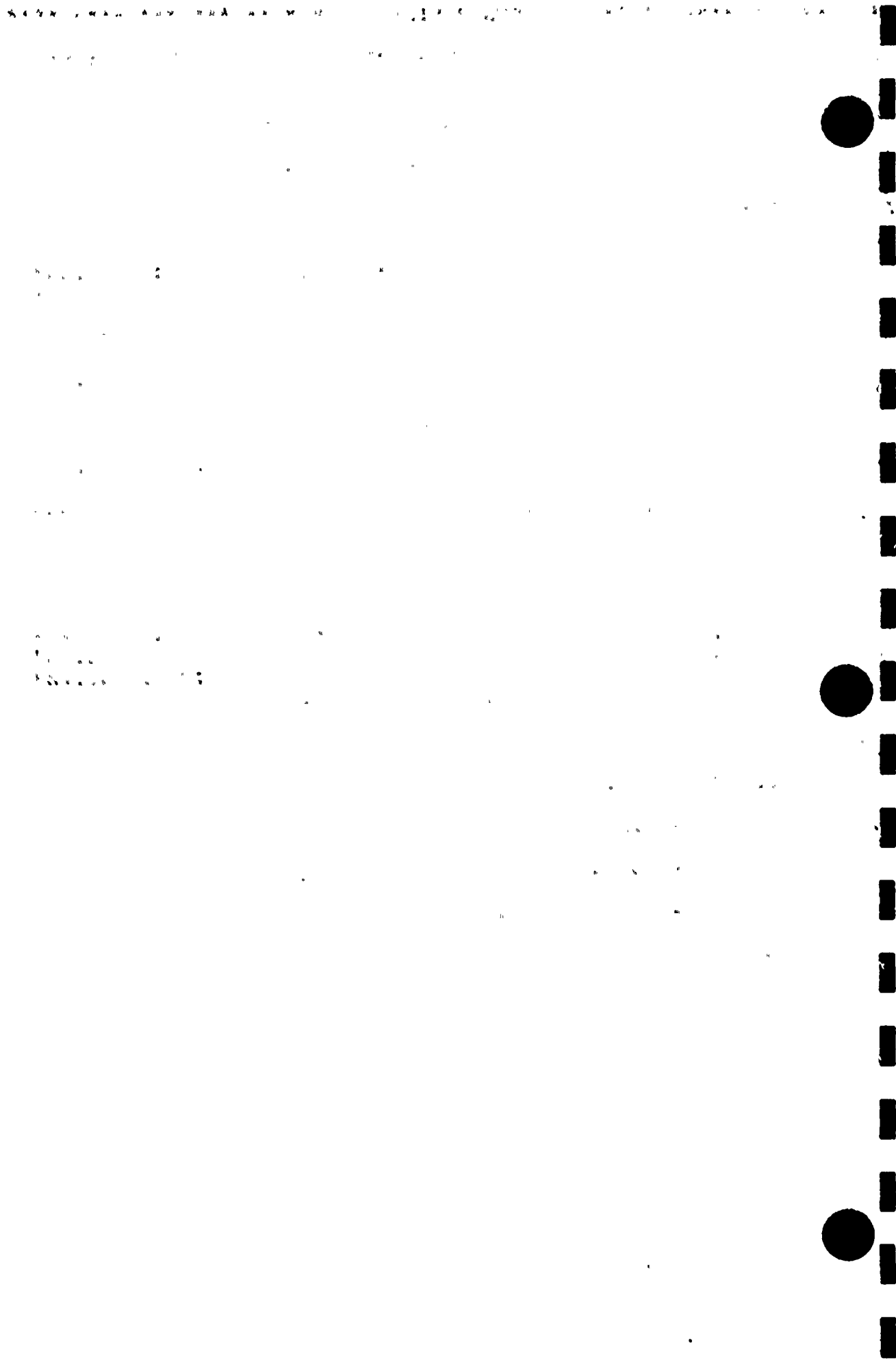
AMBIENT PRESS - 14.593

VAPOR PRESS - .2237323

DRY PRESSURE - 50.47577

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 154

DATE - 016

TIME - 7:15: 0

## PRESSURES

|       |          |       |   |          |
|-------|----------|-------|---|----------|
| -     | 50.70300 | 2     | - | 50.69400 |
| INACT | 0.00000  | INACT | - | 0.00000  |
| INACT | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.69850

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.500 | 2     | 66.588 | 3     | 66.391 | 4     | 66.534 |
| 5     | 66.989 | 6     | 66.480 | 7     | 68.430 | 8     | 67.443 |
| 9     | 67.606 | 10    | 67.552 | 11    | 68.647 | 12    | 68.690 |
| 13    | 70.229 | 14    | 70.303 | 15    | 70.672 | 16    | 70.240 |
| 17    | 70.466 | 18    | 70.457 | 19    | 71.216 | 20    | 70.466 |
| 21    | 70.018 | 22    | 70.668 | 23    | 70.279 | 24    | 70.342 |
| INACT | 48.783 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.709

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.211 | INACT | 60.319 | INACT | 56.379 | 4     | 56.769 |
| INACT | 56.514 | 6     | 56.170 | INACT | 55.307 | 8     | 55.587 |
| INACT | 55.539 | INACT | 55.587 | 11    | 56.832 | INACT | 55.722 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 56.214

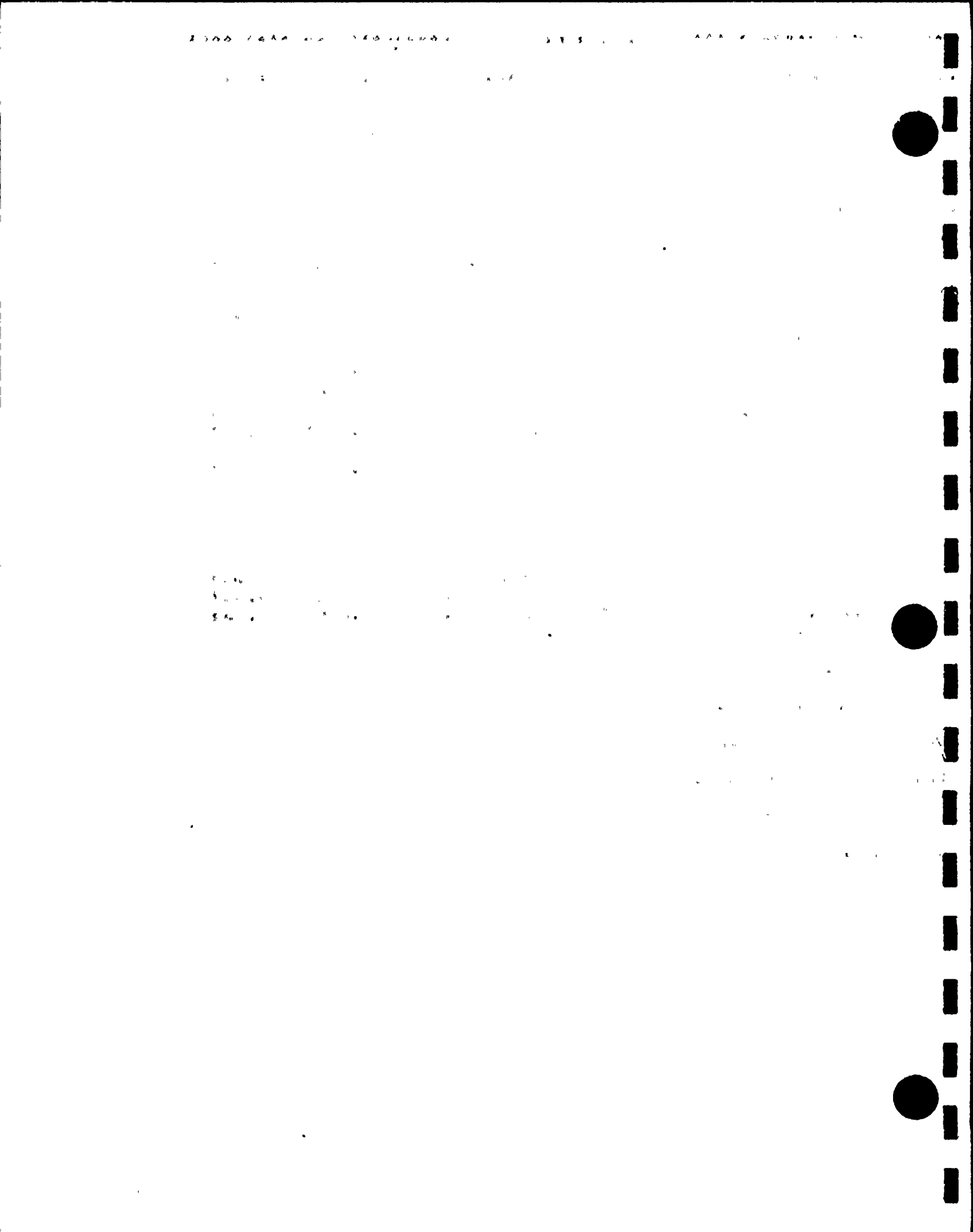
AMBIENT PRESS - 14.593

VAPOR PRESS - .223609

DRY PRESSURE - 50.47489

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 155

DATE - 016

TIME - 7:30: 0

## PRESSURES

|       |          |       |   |          |
|-------|----------|-------|---|----------|
| 1     | 50.70200 | 2     | - | 50.69300 |
| INACT | 0.00000  | INACT | - | 0.00000  |
| INACT | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.69750

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.504 | 2     | 66.581 | 3     | 66.385 | 4     | 66.527 |
| 5     | 67.013 | 6     | 66.473 | 7     | 68.423 | 8     | 67.436 |
| 9     | 67.588 | 10    | 67.556 | 11    | 68.629 | 12    | 68.683 |
| 13    | 70.211 | 14    | 70.308 | 15    | 70.677 | 16    | 70.211 |
| 17    | 70.460 | 18    | 70.451 | 19    | 71.003 | 20    | 70.451 |
| 21    | 70.007 | 22    | 70.559 | 23    | 70.288 | 24    | 70.322 |
| INACT | 49.291 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.685

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.259 | INACT | 59.447 | INACT | 56.294 | 4     | 56.780 |
| INACT | 56.337 | 6     | 56.199 | INACT | 55.268 | 8     | 55.539 |
| INACT | 55.452 | INACT | 55.587 | 11    | 56.745 | INACT | 55.635 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 56.180

AMBIENT PRESS - 14.593

VAPOR PRESS - .2233335

DRY PRESSURE - 50.47417

FLOWS - 0 0

TOTAL FLOW 0





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## SENSOR LIST

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RECORD NUMBER - 156

DATE - 016

TIME - 7:45: 0

## PRESSURES

|       |   |          |       |   |          |
|-------|---|----------|-------|---|----------|
| INACT | - | 50.70100 | 2     | - | 50.69100 |
| INACT | - | 0.00000  | INACT | - | 0.00000  |
| INACT | - | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.69600

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.516 | 2     | 66.613 | 3     | 66.396 | 4     | 66.538 |
| 5     | 67.004 | 6     | 66.504 | 7     | 68.434 | 8     | 67.459 |
| 9     | 67.622 | 10    | 67.568 | 11    | 68.661 | 12    | 68.706 |
| 13    | 70.179 | 14    | 70.254 | 15    | 70.711 | 16    | 70.202 |
| 17    | 70.460 | 18    | 70.505 | 19    | 70.917 | 20    | 70.428 |
| 21    | 69.984 | 22    | 70.559 | 23    | 70.288 | 24    | 70.299 |
| INACT | 49.300 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.679

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.233 | INACT | 60.579 | INACT | 56.274 | 4     | 56.741 |
| INACT | 56.397 | 6     | 56.170 | INACT | 55.355 | 8     | 55.587 |
| INACT | 55.539 | INACT | 55.539 | 11    | 56.832 | INACT | 55.684 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 56.212

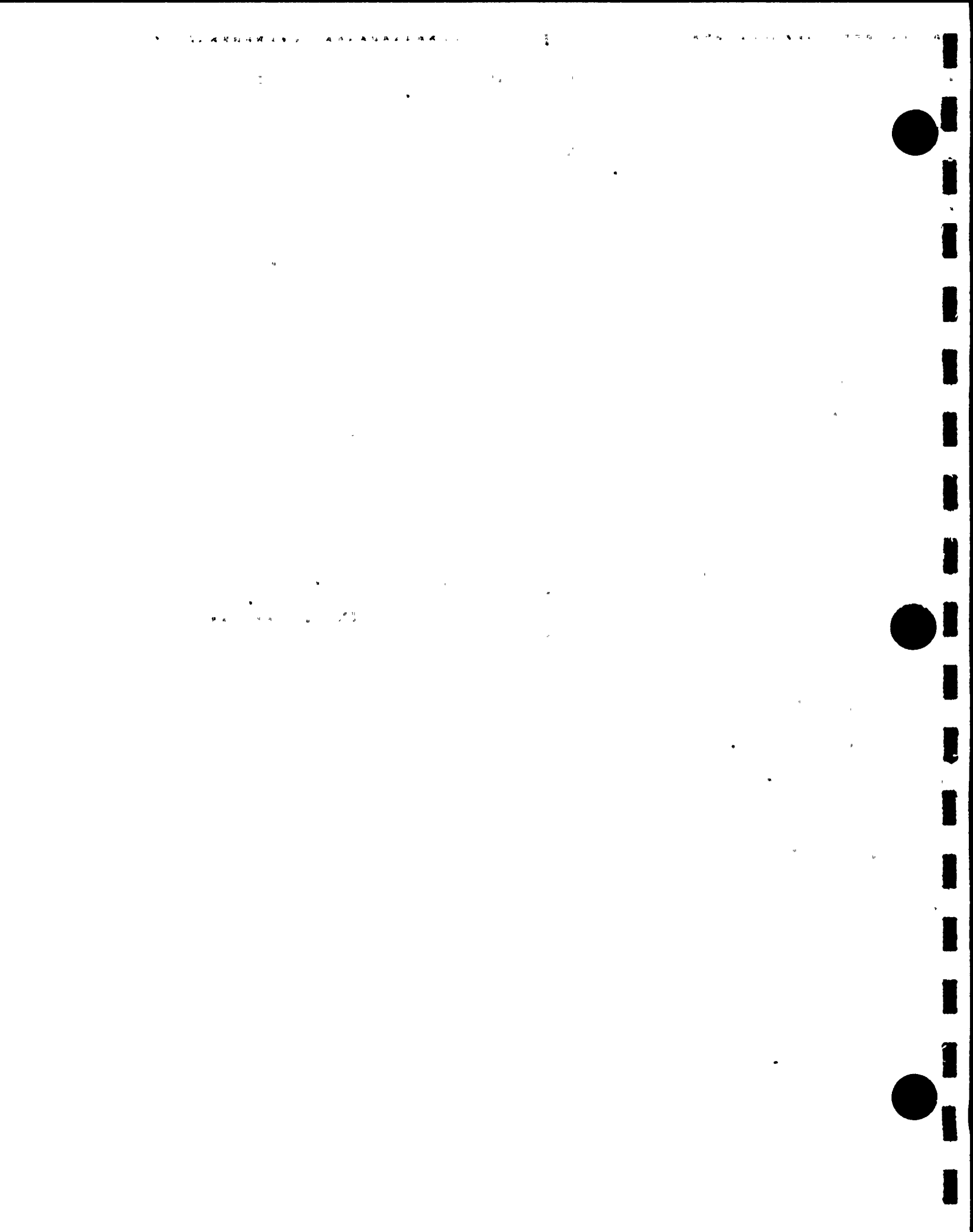
AMBIENT PRESS - 14.593

VAPOR PRESS - .2235961

DRY PRESSURE - 50.4724

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 157

DATE - 016

TIME - 8: 0: 0

## PRESSURES

|       |   |          |       |   |          |
|-------|---|----------|-------|---|----------|
| INACT | - | 50.70000 | 2     | - | 50.69000 |
| INACT | - | 0.00000  | INACT | - | 0.00000  |
| INACT | - | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.69500

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.523 | 2     | 66.620 | 3     | 66.403 | 4     | 66.554 |
| 5     | 67.032 | 6     | 66.500 | 7     | 68.441 | 8     | 67.455 |
| 9     | 67.606 | 10    | 67.572 | 11    | 68.656 | 12    | 68.679 |
| 13    | 70.174 | 14    | 70.283 | 15    | 70.663 | 16    | 70.197 |
| 17    | 70.435 | 18    | 70.423 | 19    | 71.605 | 20    | 70.446 |
| 21    | 70.000 | 22    | 70.638 | 23    | 70.238 | 24    | 70.260 |
| INACT | 50.611 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.706

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.219 | INACT | 64.978 | INACT | 56.300 | 4     | 56.673 |
| INACT | 56.376 | 6     | 56.170 | INACT | 55.268 | 8     | 55.539 |
| INACT | 55.404 | INACT | 55.452 | 11    | 56.648 | INACT | 55.539 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 56.120

AMBIENT PRESS - 14.593

VAPOR PRESS - .2228507

DRY PRESSURE - 50.47215

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 158

DATE - 016

TIME - 8:15: 0

## PRESSURES

|       |   |          |       |   |          |
|-------|---|----------|-------|---|----------|
| 1     | - | 50.69900 | 2     | - | 50.68900 |
| INACT | - | 0.00000  | INACT | - | 0.00000  |
| INACT | - | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.69400

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.534 | 2     | 66.631 | 3     | 66.425 | 4     | 66.554 |
| 5     | 67.009 | 6     | 66.489 | 7     | 68.441 | 8     | 67.464 |
| 9     | 67.627 | 10    | 67.584 | 11    | 68.656 | 12    | 68.690 |
| 13    | 70.152 | 14    | 70.283 | 15    | 70.672 | 16    | 70.197 |
| 17    | 70.423 | 18    | 70.392 | 19    | 71.216 | 20    | 70.403 |
| 21    | 69.957 | 22    | 70.509 | 23    | 70.238 | 24    | 70.283 |
| INACT | 50.893 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.673

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.181 | INACT | 62.773 | INACT | 56.236 | 4     | 56.683 |
| INACT | 56.407 | 6     | 56.141 | INACT | 55.404 | 8     | 55.539 |
| INACT | 55.539 | INACT | 55.500 | 11    | 56.600 | INACT | 55.635 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 56.133

AMBIENT PRESS - 14.593

VAPOR PRESS - .2229557

DRY PRESSURE - 50.47105

FLOWS - 0 0

TOTAL FLOW 0

1940年12月12日

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## SENSOR LIST

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RECORD NUMBER - 159

DATE - 016

TIME - 8:30: 0

## PRESSURES

|       |   |          |       |   |          |
|-------|---|----------|-------|---|----------|
| 1     | - | 50.69800 | 2     | - | 50.68900 |
| INACT | - | 0.00000  | INACT | - | 0.00000  |
| INACT | - | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.69350

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.543 | 2     | 66.620 | 3     | 66.425 | 4     | 66.554 |
| 5     | 67.032 | 6     | 66.523 | 7     | 68.450 | 8     | 67.475 |
| 9     | 67.627 | 10    | 67.595 | 11    | 68.656 | 12    | 68.690 |
| 13    | 70.163 | 14    | 70.240 | 15    | 70.641 | 16    | 70.186 |
| 17    | 70.412 | 18    | 70.412 | 19    | 71.259 | 20    | 70.403 |
| 21    | 69.948 | 22    | 70.489 | 23    | 70.231 | 24    | 70.240 |
| INACT | 50.559 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.669

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.196 | INACT | 64.471 | INACT | 56.224 | 4     | 56.722 |
| INACT | 56.279 | 6     | 56.133 | INACT | 55.307 | 8     | 55.539 |
| INACT | 55.404 | INACT | 55.539 | 11    | 56.832 | INACT | 55.587 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 56.162

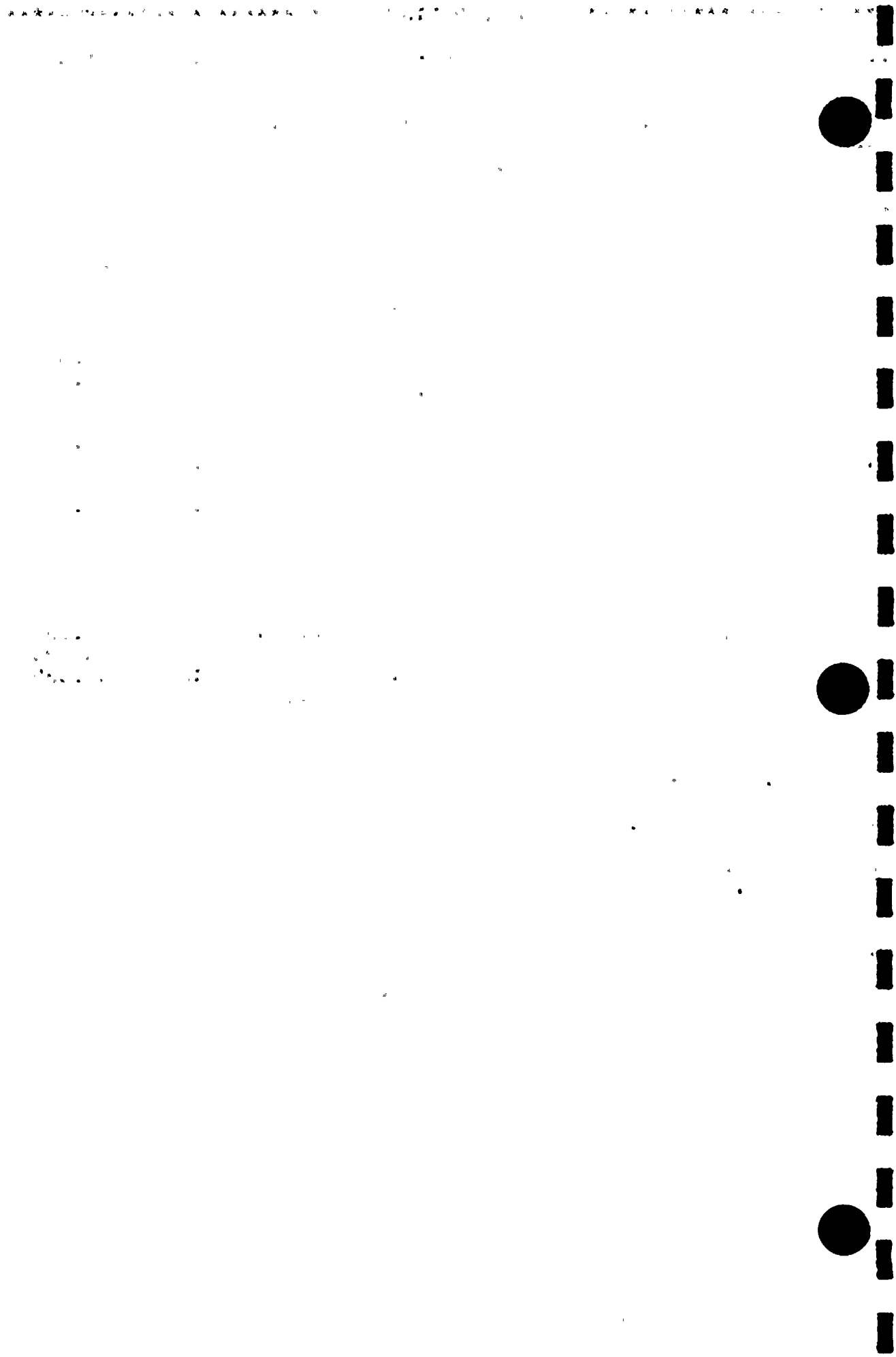
AMBIENT PRESS - 14.593

VAPOR PRESS - .2231934

DRY PRESSURE - 50.47031

FLOWS - 0 0

TOTAL FLOW 0





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## SENSOR LIST

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RECORD NUMBER - 160

DATE - 016

TIME - 8:45: 0

## PRESSURES

|       |   |          |       |   |          |
|-------|---|----------|-------|---|----------|
| 1     | - | 50.69700 | 2     | - | 50.68800 |
| INACT | - | 0.00000  | INACT | - | 0.00000  |
| INACT | - | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.69250

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.534 | 2     | 66.609 | 3     | 66.425 | 4     | 66.577 |
| 5     | 66.989 | 6     | 66.511 | 7     | 68.441 | 8     | 67.486 |
| 9     | 67.649 | 10    | 67.595 | 11    | 68.647 | 12    | 68.690 |
| 13    | 70.143 | 14    | 70.206 | 15    | 70.609 | 16    | 70.186 |
| 17    | 70.392 | 18    | 70.412 | 19    | 70.955 | 20    | 70.392 |
| 21    | 69.971 | 22    | 70.543 | 23    | 70.220 | 24    | 70.283 |
| INACT | 50.796 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.650

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.207 | INACT | 61.265 | INACT | 56.175 | 4     | 56.654 |
| INACT | 56.329 | 6     | 56.102 | INACT | 55.268 | 8     | 55.500 |
| INACT | 55.452 | INACT | 55.539 | 11    | 56.976 | INACT | 55.635 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 56.190

AMBIENT PRESS - 14.593

VAPOR PRESS - .2234161

DRY PRESSURE - 50.46908

FLOWS - 0 0

TOTAL FLOW 0

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## SENSOR LIST

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RECORD NUMBER - 161

DATE - 016

TIME - 9: 0: 0

## PRESSURES

|       |          |       |   |          |
|-------|----------|-------|---|----------|
| -     | 50.69600 | 2     | - | 50.68700 |
| INACT | 0.00000  | INACT | - | 0.00000  |
| INACT | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.69150

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.565 | 2     | 66.631 | 3     | 66.434 | 4     | 66.565 |
| 5     | 67.032 | 6     | 66.511 | 7     | 68.461 | 8     | 67.498 |
| 9     | 67.660 | 10    | 67.617 | 11    | 68.647 | 12    | 68.679 |
| 13    | 70.120 | 14    | 70.206 | 15    | 70.609 | 16    | 70.186 |
| 17    | 70.423 | 18    | 70.358 | 19    | 70.847 | 20    | 70.369 |
| 21    | 69.941 | 22    | 70.430 | 23    | 70.224 | 24    | 70.267 |
| INACT | 52.292 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.634

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.213 | INACT | 59.705 | INACT | 56.169 | 4     | 56.673 |
| INACT | 56.427 | 6     | 56.073 | INACT | 55.355 | 8     | 55.539 |
| INACT | 55.452 | INACT | 55.539 | 11    | 56.928 | INACT | 55.587 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 56.182

AMBIENT PRESS - 14.593

VAPOR PRESS - .2233505

DRY PRESSURE - 50.46815

FLOWS - 0 0

TOTAL FLOW 0

1. The purpose of this document is to provide a comprehensive overview of the current state of the project and to outline the key findings and recommendations.

2. The project has been conducted in accordance with the established protocols and procedures, and the results have been carefully reviewed and analyzed.

3. The findings of the project indicate that there are significant areas for improvement, particularly in the areas of data collection and analysis.

4. It is recommended that the project be continued, with a focus on addressing the identified areas for improvement.

5. The project team has identified several key challenges that must be addressed in order to achieve the project's goals.

6. The project team has developed a detailed plan of action to address these challenges and to ensure the successful completion of the project.

7. The project team has also identified several key areas for future research and development, which will be the focus of the next phase of the project.

8. The project team has also identified several key areas for future research and development, which will be the focus of the next phase of the project.

9. The project team has also identified several key areas for future research and development, which will be the focus of the next phase of the project.

10. The project team has also identified several key areas for future research and development, which will be the focus of the next phase of the project.

11. The project team has also identified several key areas for future research and development, which will be the focus of the next phase of the project.

12. The project team has also identified several key areas for future research and development, which will be the focus of the next phase of the project.

13. The project team has also identified several key areas for future research and development, which will be the focus of the next phase of the project.

14. The project team has also identified several key areas for future research and development, which will be the focus of the next phase of the project.

15. The project team has also identified several key areas for future research and development, which will be the focus of the next phase of the project.

16. The project team has also identified several key areas for future research and development, which will be the focus of the next phase of the project.

17. The project team has also identified several key areas for future research and development, which will be the focus of the next phase of the project.

18. The project team has also identified several key areas for future research and development, which will be the focus of the next phase of the project.

19. The project team has also identified several key areas for future research and development, which will be the focus of the next phase of the project.

20. The project team has also identified several key areas for future research and development, which will be the focus of the next phase of the project.

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## SENSOR LIST

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RECORD NUMBER - 162

DATE - 016

TIME - 9:15: 0

## PRESSURES

|       |          |       |   |          |
|-------|----------|-------|---|----------|
| -     | 50.69500 | 2     | - | 50.68600 |
| INACT | 0.00000  | INACT | - | 0.00000  |
| INACT | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.69050

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.565 | 2     | 66.663 | 3     | 66.446 | 4     | 66.577 |
| 5     | 67.043 | 6     | 66.523 | 7     | 68.461 | 8     | 67.509 |
| 9     | 67.669 | 10    | 67.617 | 11    | 68.656 | 12    | 68.690 |
| 13    | 70.131 | 14    | 70.240 | 15    | 70.598 | 16    | 70.163 |
| 17    | 70.403 | 18    | 70.358 | 19    | 70.912 | 20    | 70.369 |
| 21    | 69.937 | 22    | 70.532 | 23    | 70.220 | 24    | 70.251 |
| INACT | 52.989 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.643

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.228 | INACT | 62.316 | INACT | 56.093 | 4     | 56.681 |
| INACT | 56.298 | 6     | 56.042 | INACT | 55.220 | 8     | 55.500 |
| INACT | 55.452 | INACT | 55.500 | 11    | 56.648 | INACT | 55.587 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 56.110

AMBIENT PRESS - 14.593

VAPOR PRESS - .2227711

DRY PRESSURE - 50.46773

FLOWS - 0 0

TOTAL FLOW 0

1. [illegible]

2.

3.

4.

5.

[illegible text]

[illegible text]

[illegible text]

[illegible text]

[illegible text]

[illegible text]

[illegible text]



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## SENSOR LIST

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RECORD NUMBER - 163

DATE - 016

TIME - 9:30: 0

## PRESSURES

|       |          |       |   |          |
|-------|----------|-------|---|----------|
| -     | 50.69400 | 2     | - | 50.68500 |
| INACT | 0.00000  | INACT | - | 0.00000  |
| INACT | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE

50.68950

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.570 | 2     | 66.645 | 3     | 66.450 | 4     | 66.590 |
| 5     | 67.036 | 6     | 66.516 | 7     | 68.466 | 8     | 67.522 |
| 9     | 67.685 | 10    | 67.631 | 11    | 68.672 | 12    | 68.706 |
| 13    | 70.147 | 14    | 70.113 | 15    | 70.580 | 16    | 70.156 |
| 17    | 70.374 | 18    | 70.408 | 19    | 70.949 | 20    | 70.362 |
| 21    | 69.930 | 22    | 70.485 | 23    | 70.213 | 24    | 70.245 |
| INACT | 53.782 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.633

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.277 | INACT | 60.180 | INACT | 56.152 | 4     | 56.615 |
| INACT | 56.397 | 6     | 56.024 | INACT | 55.307 | 8     | 55.452 |
| INACT | 55.404 | INACT | 55.539 | 11    | 56.928 | INACT | 55.587 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 56.153

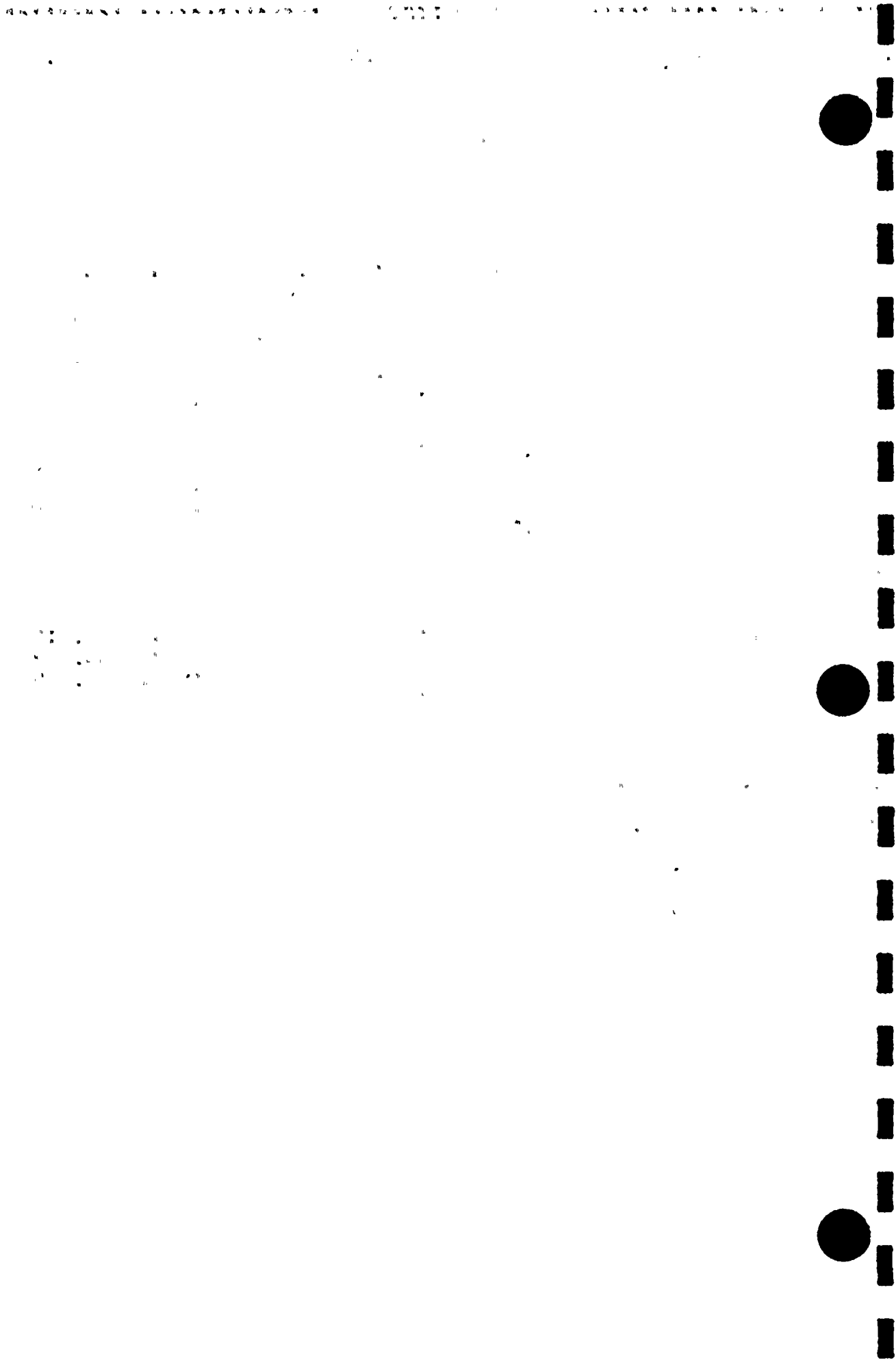
AMBIENT PRESS - 14.593

VAPOR PRESS - .2231181

DRY PRESSURE - 50.46638

FLOWS - 0 0

TOTAL FLOW 0





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## SENSOR LIST

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RECORD NUMBER - 164

DATE - 016

TIME - 9:45: 0

## PRESSURES

|       |          |       |   |          |
|-------|----------|-------|---|----------|
| -     | 50.69300 | 2     | - | 50.68400 |
| INACT | 0.00000  | INACT | - | 0.00000  |
| INACT | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.68850

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.590 | 2     | 66.667 | 3     | 66.439 | 4     | 66.590 |
| 5     | 67.056 | 6     | 66.547 | 7     | 68.477 | 8     | 67.513 |
| 9     | 67.685 | 10    | 67.642 | 11    | 68.661 | 12    | 68.694 |
| 13    | 70.113 | 14    | 70.211 | 15    | 70.580 | 16    | 70.156 |
| 17    | 70.385 | 18    | 70.385 | 19    | 71.404 | 20    | 70.362 |
| 21    | 69.921 | 22    | 70.473 | 23    | 70.170 | 24    | 70.202 |
| INACT | 54.344 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.657

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.189 | INACT | 59.198 | INACT | 56.105 | 4     | 56.613 |
| INACT | 56.318 | 6     | 56.024 | INACT | 55.268 | 8     | 55.452 |
| INACT | 55.307 | INACT | 55.539 | 11    | 56.745 | INACT | 55.635 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 56.076

AMBIENT PRESS - 14.593

VAPOR PRESS - .2224963

DRY PRESSURE - 50.466

FLOWS - 0 0

TOTAL FLOW 0

1. 1950年10月1日

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7. 1950年10月1日

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## SENSOR LIST

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RECORD NUMBER - 165

DATE - 016

TIME - 10: 0: 0

## PRESSURES

|       |          |       |   |          |
|-------|----------|-------|---|----------|
| -     | 50.69300 | 2     | - | 50.68300 |
| INACT | 0.00000  | INACT | - | 0.00000  |
| INACT | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.68800

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.570 | 2     | 66.667 | 3     | 66.450 | 4     | 66.581 |
| 5     | 67.068 | 6     | 66.547 | 7     | 68.477 | 8     | 67.522 |
| 9     | 67.685 | 10    | 67.654 | 11    | 68.651 | 12    | 68.706 |
| 13    | 70.136 | 14    | 70.202 | 15    | 70.591 | 16    | 70.156 |
| 17    | 70.362 | 18    | 70.439 | 19    | 71.501 | 20    | 70.331 |
| 21    | 69.898 | 22    | 70.473 | 23    | 70.170 | 24    | 70.202 |
| INACT | 56.625 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.664

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.180 | INACT | 59.202 | INACT | 56.131 | 4     | 56.613 |
| INACT | 56.279 | 6     | 56.063 | INACT | 55.268 | 8     | 55.452 |
| INACT | 55.307 | INACT | 55.452 | 11    | 56.745 | INACT | 55.587 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 56.081

AMBIENT PRESS - 14.593

VAPOR PRESS - .2225353

DRY PRESSURE - 50.46547

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 166

DATE - 016

TIME - 10:15: 0

## PRESSURES

|       |          |       |   |          |
|-------|----------|-------|---|----------|
| -     | 50.69200 | 2     | - | 50.68300 |
| INACT | 0.00000  | INACT | - | 0.00000  |
| INACT | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE

50.68750

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.590 | 2     | 66.690 | 3     | 66.461 | 4     | 66.602 |
| 5     | 67.056 | 6     | 66.538 | 7     | 68.489 | 8     | 67.534 |
| 9     | 67.719 | 10    | 67.642 | 11    | 68.672 | 12    | 68.694 |
| 13    | 70.102 | 14    | 70.147 | 15    | 70.602 | 16    | 70.125 |
| 17    | 70.374 | 18    | 70.342 | 19    | 71.383 | 20    | 70.319 |
| 21    | 69.887 | 22    | 70.485 | 23    | 70.170 | 24    | 70.213 |
| INACT | 57.122 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.643

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.126 | INACT | 59.532 | INACT | 56.134 | 4     | 56.584 |
| INACT | 56.191 | 6     | 56.042 | INACT | 55.268 | 8     | 55.452 |
| INACT | 55.355 | INACT | 55.452 | 11    | 56.976 | INACT | 55.452 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 56.132

AMBIENT PRESS - 14.593

VAPOR PRESS - .2229519

DRY PRESSURE - 50.46455

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 167

DATE - 016

TIME - 10:30: 0

## PRESSURES

|       |          |       |   |          |
|-------|----------|-------|---|----------|
| -     | 50.69100 | 2     | - | 50.68200 |
| INACT | 0.00000  | INACT | - | 0.00000  |
| INACT | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.68650

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.588 | 2     | 66.694 | 3     | 66.480 | 4     | 66.597 |
| 5     | 67.052 | 6     | 66.554 | 7     | 68.484 | 8     | 67.541 |
| 9     | 67.715 | 10    | 67.660 | 11    | 68.667 | 12    | 68.690 |
| 13    | 70.097 | 14    | 70.143 | 15    | 70.555 | 16    | 70.131 |
| 17    | 70.358 | 18    | 70.392 | 19    | 70.847 | 20    | 70.303 |
| 21    | 69.867 | 22    | 70.494 | 23    | 70.159 | 24    | 70.213 |
| INACT | 56.202 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.615

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.165 | INACT | 59.423 | INACT | 56.090 | 4     | 56.613 |
| INACT | 56.230 | 6     | 55.925 | INACT | 55.249 | 8     | 55.442 |
| INACT | 55.394 | INACT | 55.346 | 11    | 56.774 | INACT | 55.578 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 56.084

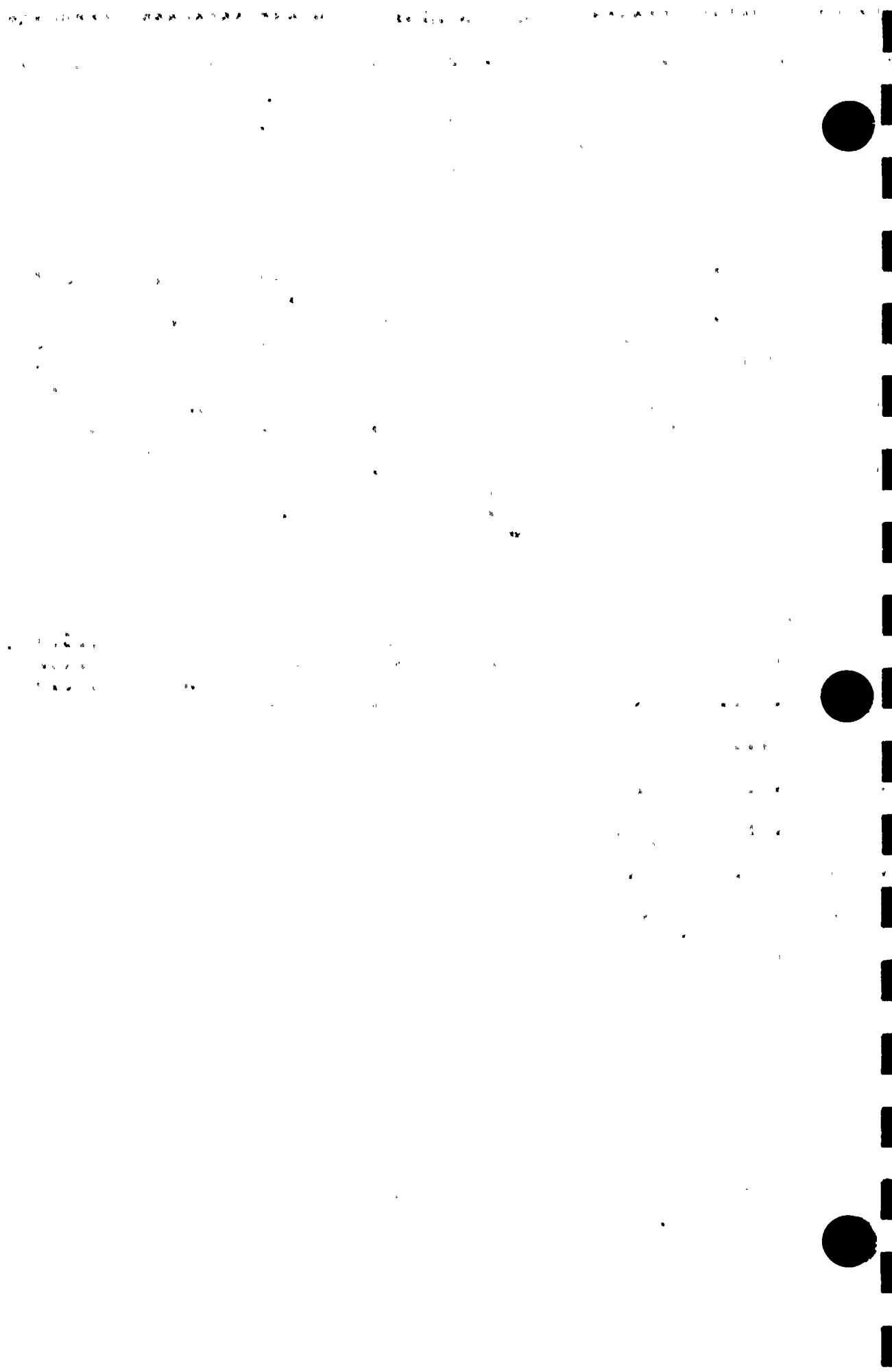
AMBIENT PRESS - 14.593

VAPOR PRESS - .2225636

DRY PRESSURE - 50.46394

FLOWS - 0 . 0

TOTAL FLOW 0





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## SENSOR LIST

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RECORD NUMBER - 168

DATE - 016

TIME - 10:45: 0

## PRESSURES

|       |          |       |   |          |
|-------|----------|-------|---|----------|
| -     | 50.69000 | 2     | - | 50.68100 |
| INACT | 0.00000  | INACT | - | 0.00000  |
| INACT | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.68550

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.597 | 2     | 66.694 | 3     | 66.480 | 4     | 66.609 |
| 5     | 67.097 | 6     | 66.565 | 7     | 68.495 | 8     | 67.552 |
| 9     | 67.715 | 10    | 67.660 | 11    | 68.690 | 12    | 68.701 |
| 13    | 70.097 | 14    | 70.174 | 15    | 70.575 | 16    | 70.131 |
| 17    | 70.326 | 18    | 70.337 | 19    | 71.041 | 20    | 70.315 |
| 21    | 69.867 | 22    | 70.451 | 23    | 70.147 | 24    | 70.213 |
| INACT | 53.967 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.621

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.149 | INACT | 61.645 | INACT | 56.017 | 4     | 56.524 |
| INACT | 56.248 | 6     | 56.013 | INACT | 55.220 | 8     | 55.404 |
| INACT | 55.268 | INACT | 55.268 | 11    | 56.697 | INACT | 55.500 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 56.030

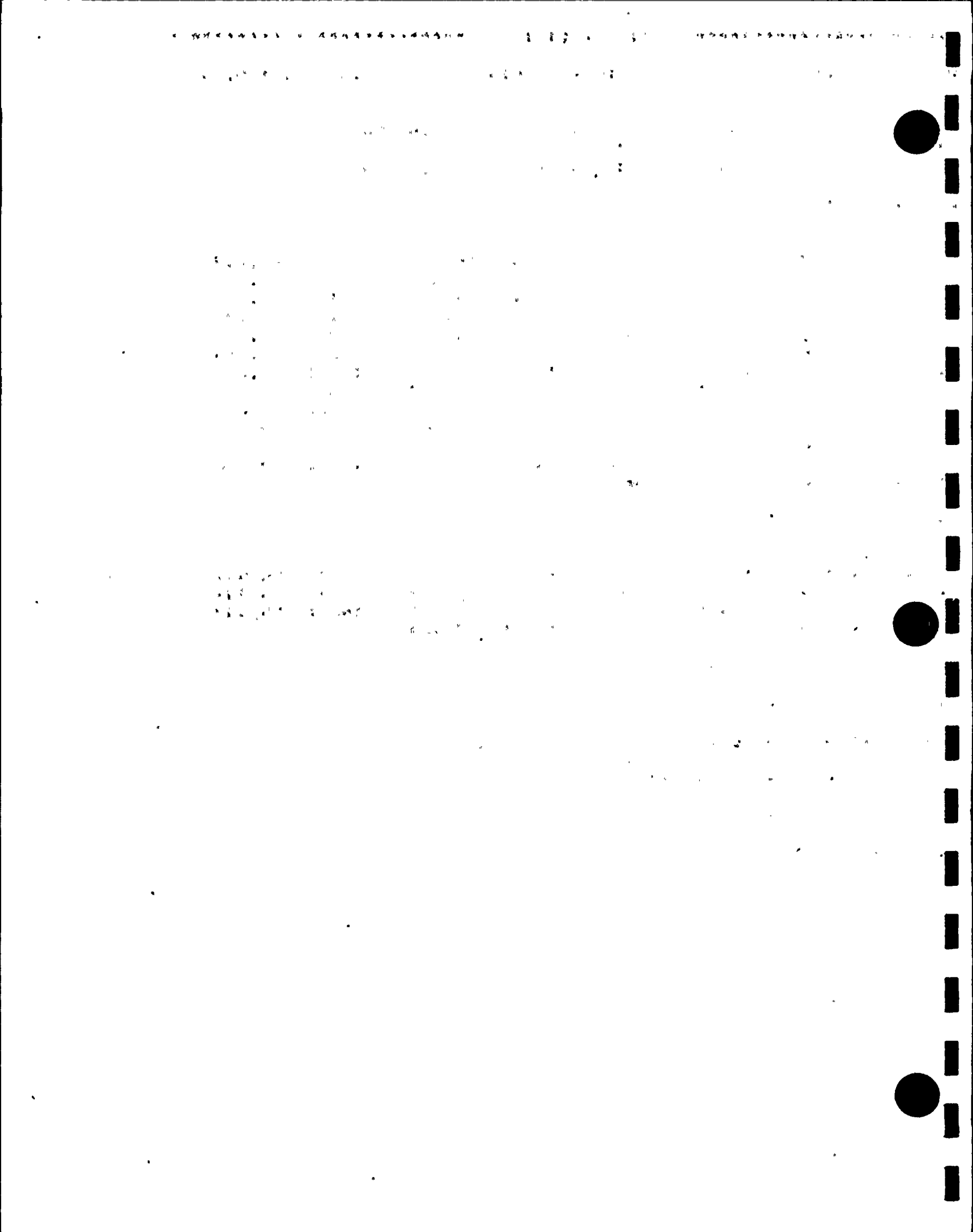
AMBIENT PRESS - 14.593

VAPOR PRESS - .2221296

DRY PRESSURE - 50.46337

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 169

DATE - 016

TIME - 11: 0: 0

## PRESSURES

|       |          |       |   |          |
|-------|----------|-------|---|----------|
| -     | 50.68900 | 2     | - | 50.68000 |
| INACT | 0.00000  | INACT | - | 0.00000  |
| INACT | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE

50.68450

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.602 | 2     | 66.679 | 3     | 66.493 | 4     | 66.613 |
| 5     | 67.068 | 6     | 66.570 | 7     | 68.509 | 8     | 67.556 |
| 9     | 67.728 | 10    | 67.674 | 11    | 68.672 | 12    | 68.694 |
| 13    | 70.082 | 14    | 70.168 | 15    | 70.548 | 16    | 70.136 |
| 17    | 70.353 | 18    | 70.374 | 19    | 71.003 | 20    | 70.308 |
| 21    | 69.878 | 22    | 70.494 | 23    | 70.159 | 24    | 70.159 |
| INACT | 55.868 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.623

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.163 | INACT | 58.949 | INACT | 56.122 | 4     | 56.592 |
| INACT | 56.308 | 6     | 55.964 | INACT | 55.172 | 8     | 55.355 |
| INACT | 55.268 | INACT | 55.404 | 11    | 56.880 | INACT | 55.452 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 56.073

AMBIENT PRESS - 14.593

VAPOR PRESS - .2224738

DRY PRESSURE - 50.46203

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 170

DATE - 016

TIME - 11:15: 0

## PRESSURES

|       |          |       |   |          |
|-------|----------|-------|---|----------|
| -     | 50.68900 | 2     | - | 50.67900 |
| INACT | 0.00000  | INACT | - | 0.00000  |
| INACT | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.68400

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.613 | 2     | 66.699 | 3     | 66.493 | 4     | 66.624 |
| 5     | 67.090 | 6     | 66.570 | 7     | 68.509 | 8     | 67.556 |
| 9     | 67.740 | 10    | 67.685 | 11    | 68.683 | 12    | 68.706 |
| 13    | 70.048 | 14    | 70.168 | 15    | 70.548 | 16    | 70.113 |
| 17    | 70.308 | 18    | 70.362 | 19    | 70.786 | 20    | 70.299 |
| 21    | 69.871 | 22    | 70.444 | 23    | 70.141 | 24    | 70.174 |
| INACT | 55.807 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.600

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.121 | INACT | 60.210 | INACT | 56.078 | 4     | 56.524 |
| INACT | 56.141 | 6     | 55.964 | INACT | 55.172 | 8     | 55.355 |
| INACT | 55.220 | INACT | 55.220 | 11    | 56.832 | INACT | 55.404 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 56.035

AMBIENT PRESS - 14.593

VAPOR PRESS - .2221669

DRY PRESSURE - 50.46183

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 171

DATE - 016

TIME - 11:30: 0

## PRESSURES

|       |          |       |   |          |
|-------|----------|-------|---|----------|
| -     | 50.68800 | 2     | - | 50.67800 |
| INACT | 0.00000  | INACT | - | 0.00000  |
| INACT | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.68300

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.613 | 2     | 66.699 | 3     | 66.484 | 4     | 66.624 |
| 5     | 67.090 | 6     | 66.570 | 7     | 68.509 | 8     | 67.568 |
| 9     | 67.740 | 10    | 67.685 | 11    | 68.683 | 12    | 68.706 |
| 13    | 70.048 | 14    | 70.156 | 15    | 70.525 | 16    | 70.113 |
| 17    | 70.308 | 18    | 70.342 | 19    | 70.917 | 20    | 70.288 |
| 21    | 69.844 | 22    | 70.439 | 23    | 70.116 | 24    | 70.147 |
| INACT | 55.283 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.599

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.121 | INACT | 59.504 | INACT | 56.011 | 4     | 56.545 |
| INACT | 56.131 | 6     | 55.914 | INACT | 55.268 | 8     | 55.404 |
| INACT | 55.268 | INACT | 55.452 | 11    | 56.600 | INACT | 55.539 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 55.992

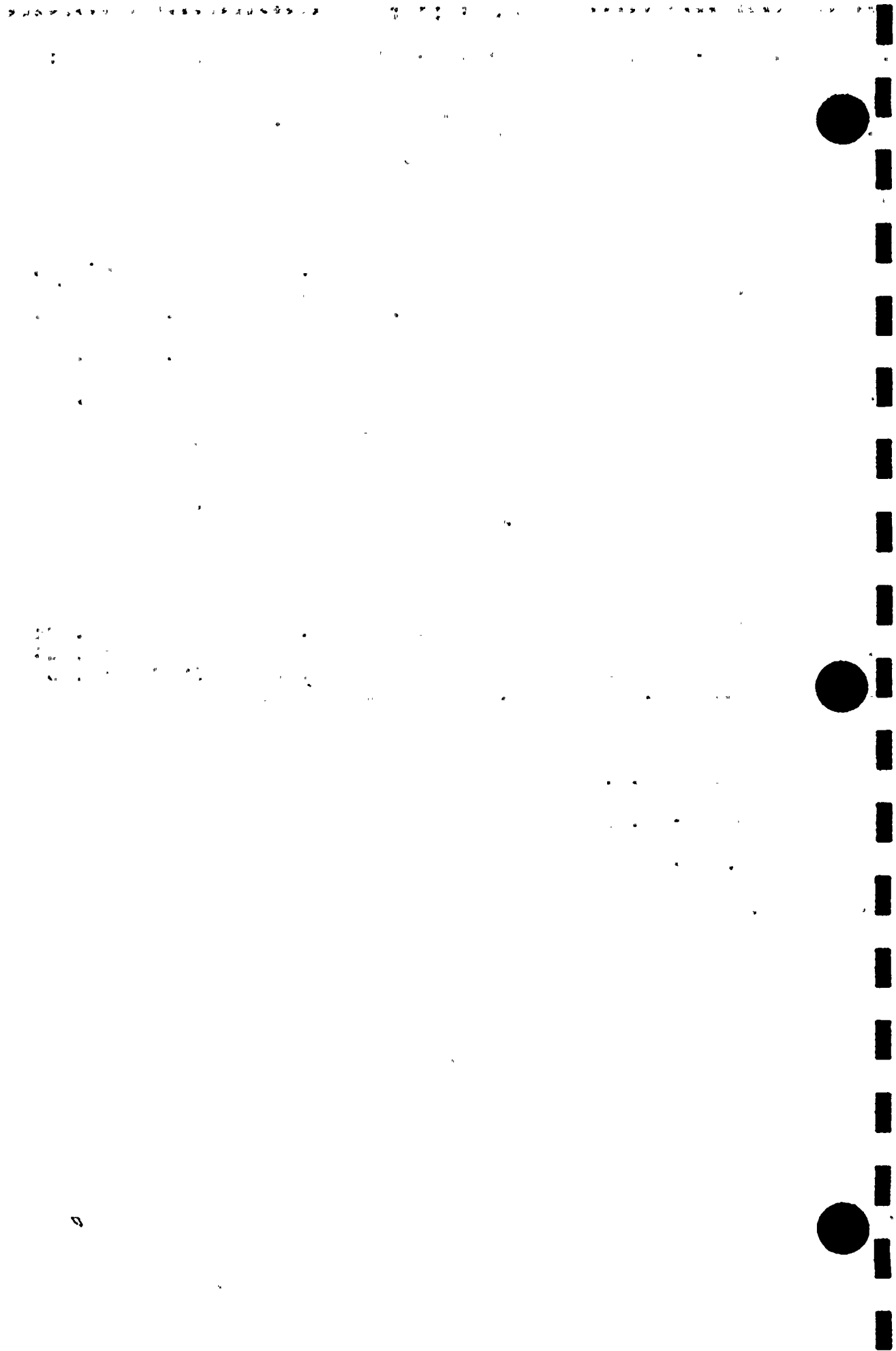
AMBIENT PRESS - 14.593

VAPOR PRESS - .2218226

DRY PRESSURE - 50.46118

FLOWS - 0 0

TOTAL FLOW 0





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## SENSOR LIST

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RECORD NUMBER - 172

DATE - 016

TIME - 11:45: 0

## PRESSURES

|       |          |       |   |          |
|-------|----------|-------|---|----------|
| -     | 50.68700 | 2     | - | 50.67800 |
| INACT | 0.00000  | INACT | - | 0.00000  |
| INACT | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE

50.68250

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.613 | 2     | 66.722 | 3     | 66.516 | 4     | 66.636 |
| 5     | 67.111 | 6     | 66.581 | 7     | 68.520 | 8     | 67.599 |
| 9     | 67.751 | 10    | 67.697 | 11    | 68.706 | 12    | 68.706 |
| 13    | 70.070 | 14    | 70.156 | 15    | 70.548 | 16    | 70.102 |
| 17    | 70.319 | 18    | 70.331 | 19    | 70.863 | 20    | 70.299 |
| 21    | 69.851 | 22    | 70.392 | 23    | 70.122 | 24    | 70.143 |
| INACT | 55.615 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.600

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.126 | INACT | 65.710 | INACT | 56.052 | 4     | 56.504 |
| INACT | 56.219 | 6     | 55.847 | INACT | 55.268 | 8     | 55.404 |
| INACT | 55.307 | INACT | 55.404 | 11    | 56.880 | INACT | 55.452 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 56.052

AMBIENT PRESS - 14.593

VAPOR PRESS - .2223007

DRY PRESSURE - 50.4602

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 173

DATE - 016

TIME - 12: 0: 0

## PRESSURES

|       |          |       |   |          |
|-------|----------|-------|---|----------|
| -     | 50.68700 | 2     | - | 50.67700 |
| INACT | 0.00000  | INACT | - | 0.00000  |
| INACT | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.68200

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.624 | 2     | 66.722 | 3     | 66.516 | 4     | 66.645 |
| 5     | 67.133 | 6     | 66.590 | 7     | 68.532 | 8     | 67.611 |
| 9     | 67.751 | 10    | 67.708 | 11    | 68.715 | 12    | 68.706 |
| 13    | 70.059 | 14    | 70.113 | 15    | 70.548 | 16    | 70.102 |
| 17    | 70.308 | 18    | 70.308 | 19    | 71.078 | 20    | 70.299 |
| 21    | 69.824 | 22    | 70.494 | 23    | 70.104 | 24    | 70.127 |
| INACT | 57.239 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.607

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.122 | INACT | 67.336 | INACT | 56.047 | 4     | 56.438 |
| INACT | 56.162 | 6     | 55.917 | INACT | 55.307 | 8     | 55.404 |
|       | 55.220 | INACT | 55.268 | 11    | 56.147 | INACT | 55.404 |
|       | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 55.859

AMBIENT PRESS - 14.593

VAPOR PRESS - .2207486

DRY PRESSURE - 50.46125

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 174

DATE - 016

TIME - 12:15: 0

## PRESSURES

|       |          |       |   |          |
|-------|----------|-------|---|----------|
| -     | 50.68600 | 2     | - | 50.67600 |
| INACT | 0.00000  | INACT | - | 0.00000  |
| INACT | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.68100

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.645 | 2     | 66.722 | 3     | 66.516 | 4     | 66.656 |
| 5     | 67.145 | 6     | 66.613 | 7     | 68.543 | 8     | 67.599 |
| 9     | 67.762 | 10    | 67.708 | 11    | 68.706 | 12    | 68.694 |
| 13    | 70.039 | 14    | 70.125 | 15    | 70.525 | 16    | 70.102 |
| 17    | 70.308 | 18    | 70.288 | 19    | 70.926 | 20    | 70.276 |
| 21    | 69.812 | 22    | 70.408 | 23    | 70.116 | 24    | 70.104 |
| INACT | 58.116 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.590

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.097 | INACT | 66.672 | INACT | 55.933 | 4     | 56.506 |
| INACT | 56.180 | 6     | 55.917 | INACT | 55.307 | 8     | 55.404 |
| INACT | 55.172 | INACT | 55.404 | 11    | 56.465 | INACT | 55.452 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 55.929

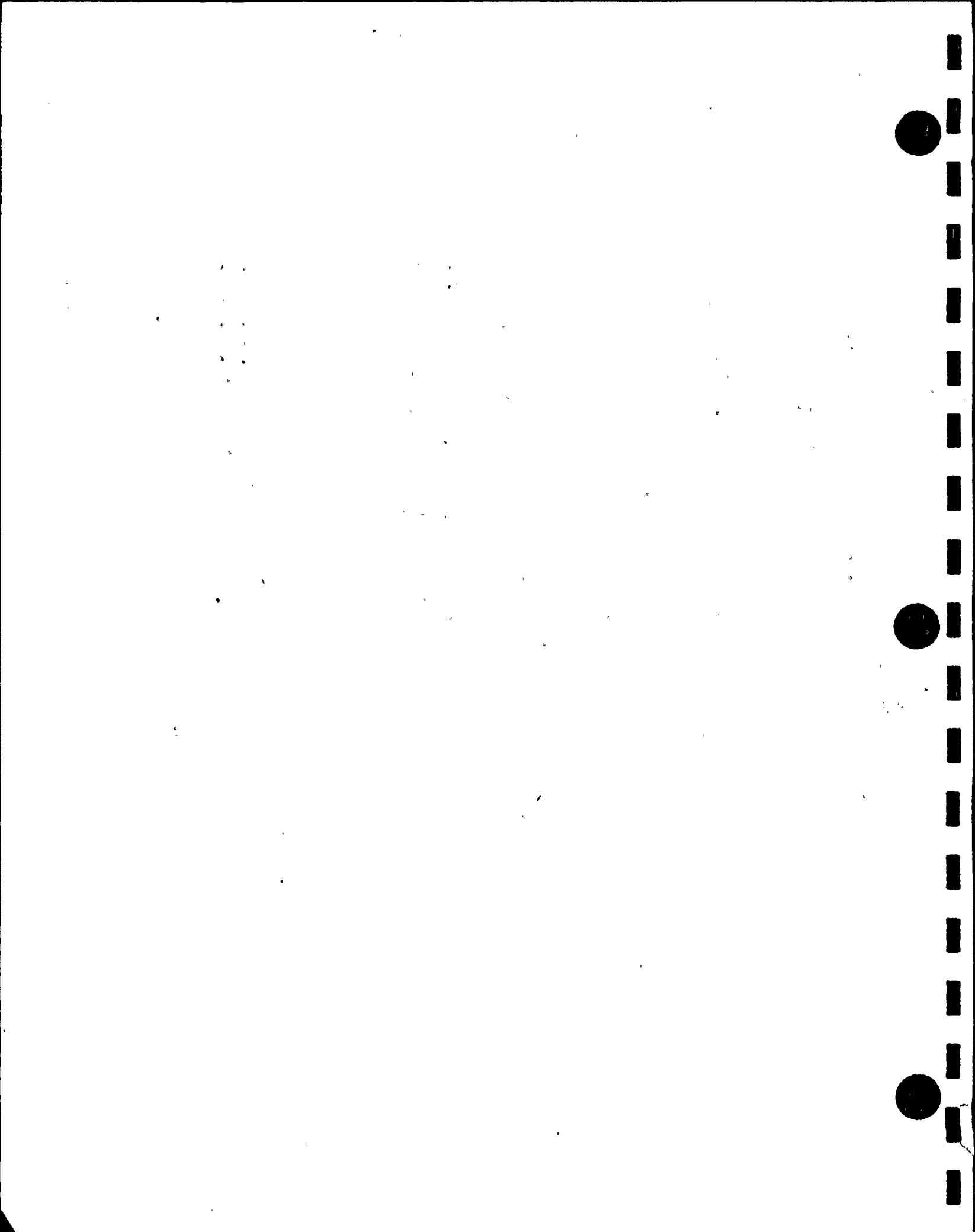
AMBIENT PRESS - 14.593

VAPOR PRESS - .2213176

DRY PRESSURE - 50.45968

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 175

DATE - 016

TIME - 12:30: 0

## PRESSURES

|       |   |          |       |   |          |
|-------|---|----------|-------|---|----------|
| 1     | - | 50.68500 | 2     | - | 50.67500 |
| INACT | - | 0.00000  | INACT | - | 0.00000  |
| INACT | - | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.68000

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.636 | 2     | 66.733 | 3     | 66.504 | 4     | 66.656 |
| 5     | 67.133 | 6     | 66.602 | 7     | 68.543 | 8     | 67.599 |
| 9     | 67.762 | 10    | 67.728 | 11    | 68.706 | 12    | 68.706 |
| 13    | 70.027 | 14    | 70.125 | 15    | 70.525 | 16    | 70.102 |
| 17    | 70.288 | 18    | 70.276 | 19    | 71.252 | 20    | 70.254 |
| 21    | 69.801 | 22    | 70.365 | 23    | 70.073 | 24    | 70.127 |
| INACT | 56.439 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.598

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.086 | INACT | 61.058 | INACT | 55.916 | 4     | 56.446 |
| INACT | 56.269 | 6     | 55.886 | INACT | 55.220 | 8     | 55.307 |
| 9     | 55.037 | INACT | 55.404 | 11    | 56.832 | INACT | 55.355 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

DEW CELL 55.959

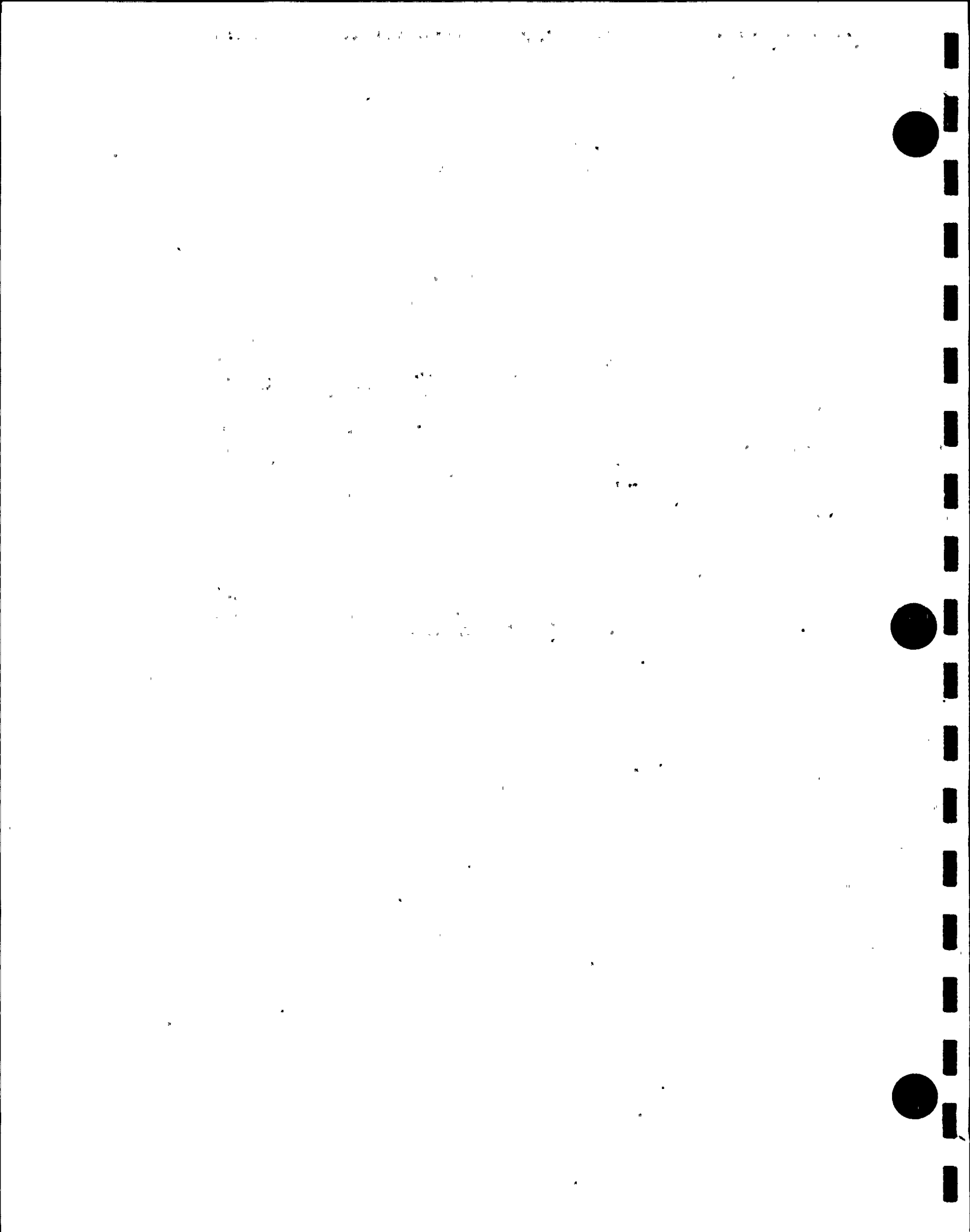
AMBIENT PRESS - 14.593

VAPOR PRESS - .2215551

DRY PRESSURE - 50.45845

FLOWS - 0 0

TOTAL FLOW 0





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## SENSOR LIST

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RECORD NUMBER - 176

DATE - 016

TIME - 12:45: 0

## PRESSURES

|       |          |       |   |          |
|-------|----------|-------|---|----------|
| -     | 50.68400 | 2     | - | 50.67500 |
| INACT | 0.00000  | INACT | - | 0.00000  |
| INACT | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE

50.67950

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.645 | 2     | 66.710 | 3     | 66.504 | 4     | 66.667 |
| 5     | 67.133 | 6     | 66.581 | 7     | 68.552 | 8     | 67.622 |
| 9     | 67.751 | 10    | 67.728 | 11    | 68.706 | 12    | 68.715 |
| 13    | 70.039 | 14    | 70.113 | 15    | 70.505 | 16    | 70.082 |
| 17    | 70.288 | 18    | 70.299 | 19    | 70.754 | 20    | 70.245 |
| 21    | 69.828 | 22    | 70.392 | 23    | 70.111 | 24    | 70.131 |
| INACT | 57.679 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.577

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.051 | INACT | 59.762 | INACT | 56.032 | 4     | 56.456 |
| INACT | 56.141 | 6     | 55.886 | INACT | 55.172 | 8     | 55.307 |
| INACT | 55.220 | INACT | 55.355 | 11    | 56.282 | INACT | 55.452 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 55.870

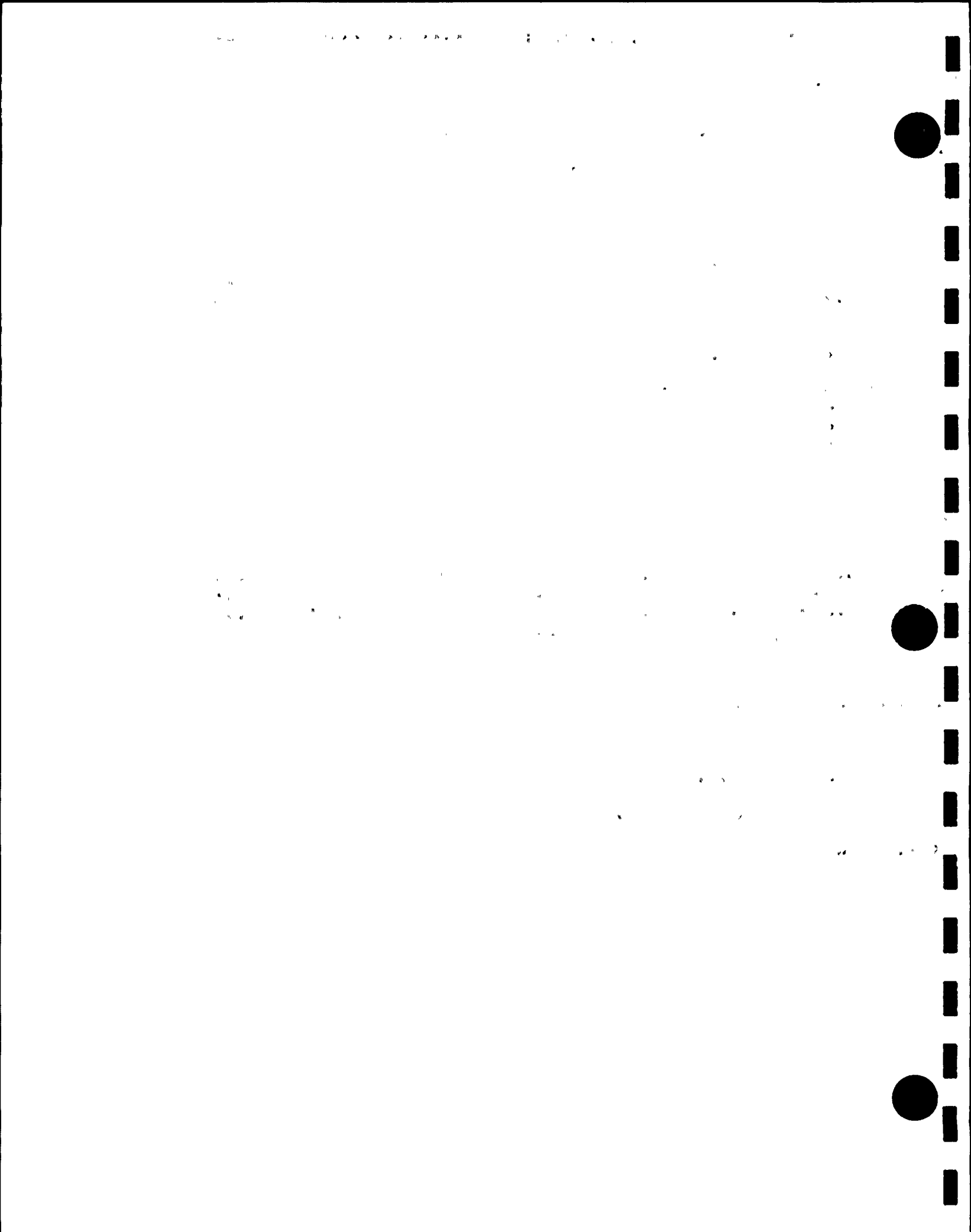
AMBIENT PRESS - 14.593

VAPOR PRESS - .2208391

DRY PRESSURE - 50.45866

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 177

DATE - 016

TIME - 13: 0: 0

## PRESSURES

|       |   |          |       |   |          |
|-------|---|----------|-------|---|----------|
| 1     | - | 50.68300 | 2     | - | 50.67400 |
| INACT | - | 0.00000  | INACT | - | 0.00000  |
| INACT | - | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.67850

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.656 | 2     | 66.722 | 3     | 66.527 | 4     | 66.667 |
| 5     | 67.122 | 6     | 66.590 | 7     | 68.552 | 8     | 67.611 |
| 9     | 67.774 | 10    | 67.728 | 11    | 68.706 | 12    | 68.715 |
| 13    | 70.005 | 14    | 70.125 | 15    | 70.482 | 16    | 70.082 |
| 17    | 70.265 | 18    | 70.308 | 19    | 70.863 | 20    | 70.233 |
| 21    | 69.790 | 22    | 70.288 | 23    | 70.073 | 24    | 70.082 |
| INACT | 58.538 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.567

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.056 | INACT | 59.458 | INACT | 55.983 | 4     | 56.475 |
| INACT | 56.191 | 6     | 55.836 | INACT | 55.220 | 8     | 55.355 |
| 9     | 55.220 | INACT | 55.355 | 11    | 56.745 | INACT | 55.500 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 55.980

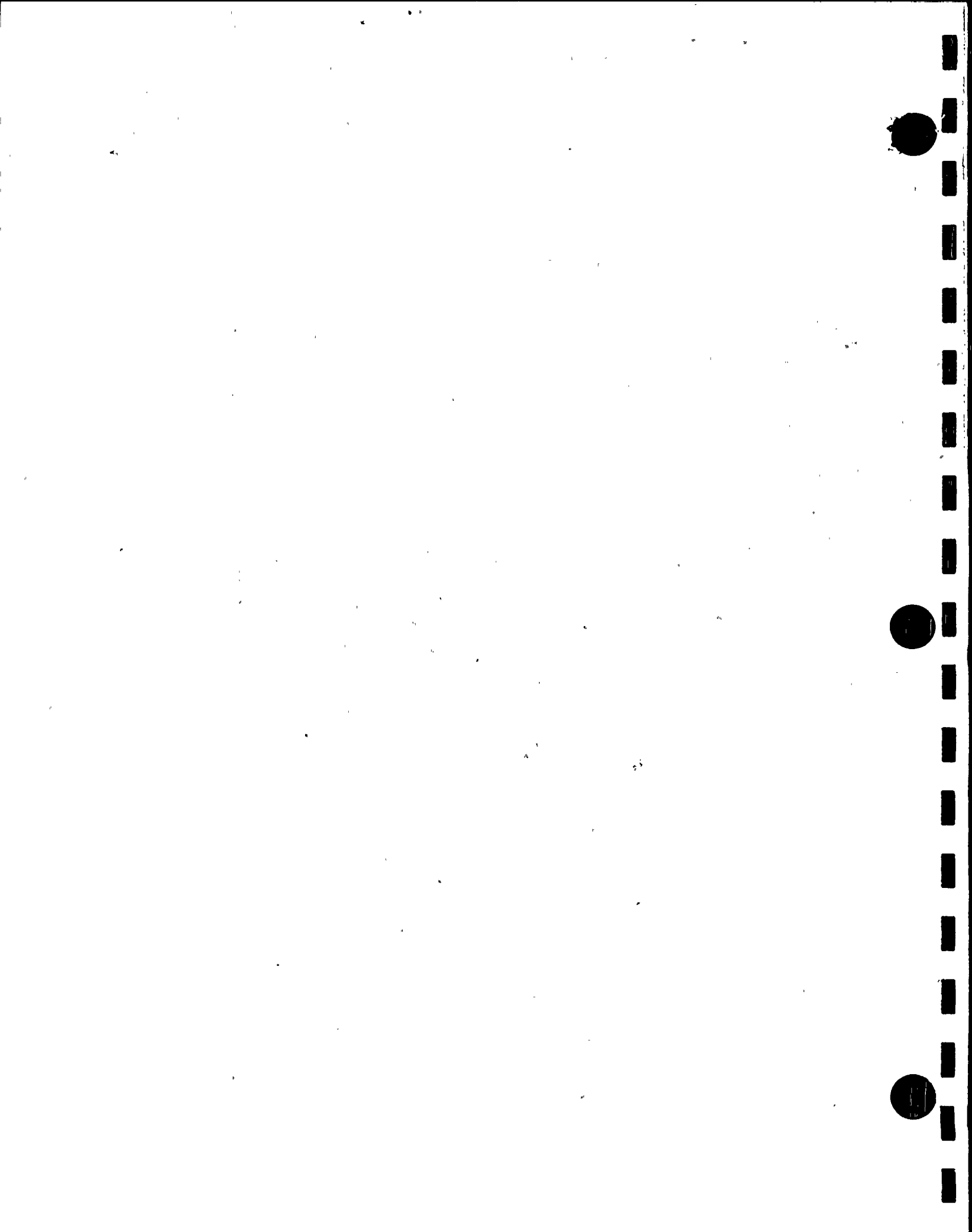
AMBIENT PRESS - 14.593

VAPOR PRESS - .2217215

DRY PRESSURE - 50.45678

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 177

DATE - 016

TIME - 13: 0: 0

## PRESSURES

|       |   |          |       |   |          |
|-------|---|----------|-------|---|----------|
| 1     | - | 50.68300 | 2     | - | 50.67400 |
| 3     | - | 0.00000  | INACT | - | 0.00000  |
| INACT | - | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.67850

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.656 | 2     | 66.722 | 3     | 66.527 | 4     | 66.667 |
| 5     | 67.122 | 6     | 66.590 | 7     | 68.552 | 8     | 67.611 |
| 9     | 67.774 | 10    | 67.728 | 11    | 68.706 | 12    | 68.715 |
| 13    | 70.005 | 14    | 70.125 | 15    | 70.482 | 16    | 70.082 |
| 17    | 70.265 | 18    | 70.308 | 19    | 70.863 | 20    | 70.233 |
| 21    | 69.790 | 22    | 70.288 | 23    | 70.073 | 24    | 70.082 |
| INACT | 58.538 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.567

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.056 | INACT | 59.458 | INACT | 55.983 | 4     | 56.475 |
| INACT | 56.191 | 6     | 55.836 | INACT | 55.220 | 8     | 55.355 |
| 9     | 55.220 | INACT | 55.355 | 11    | 56.745 | INACT | 55.500 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 55.980

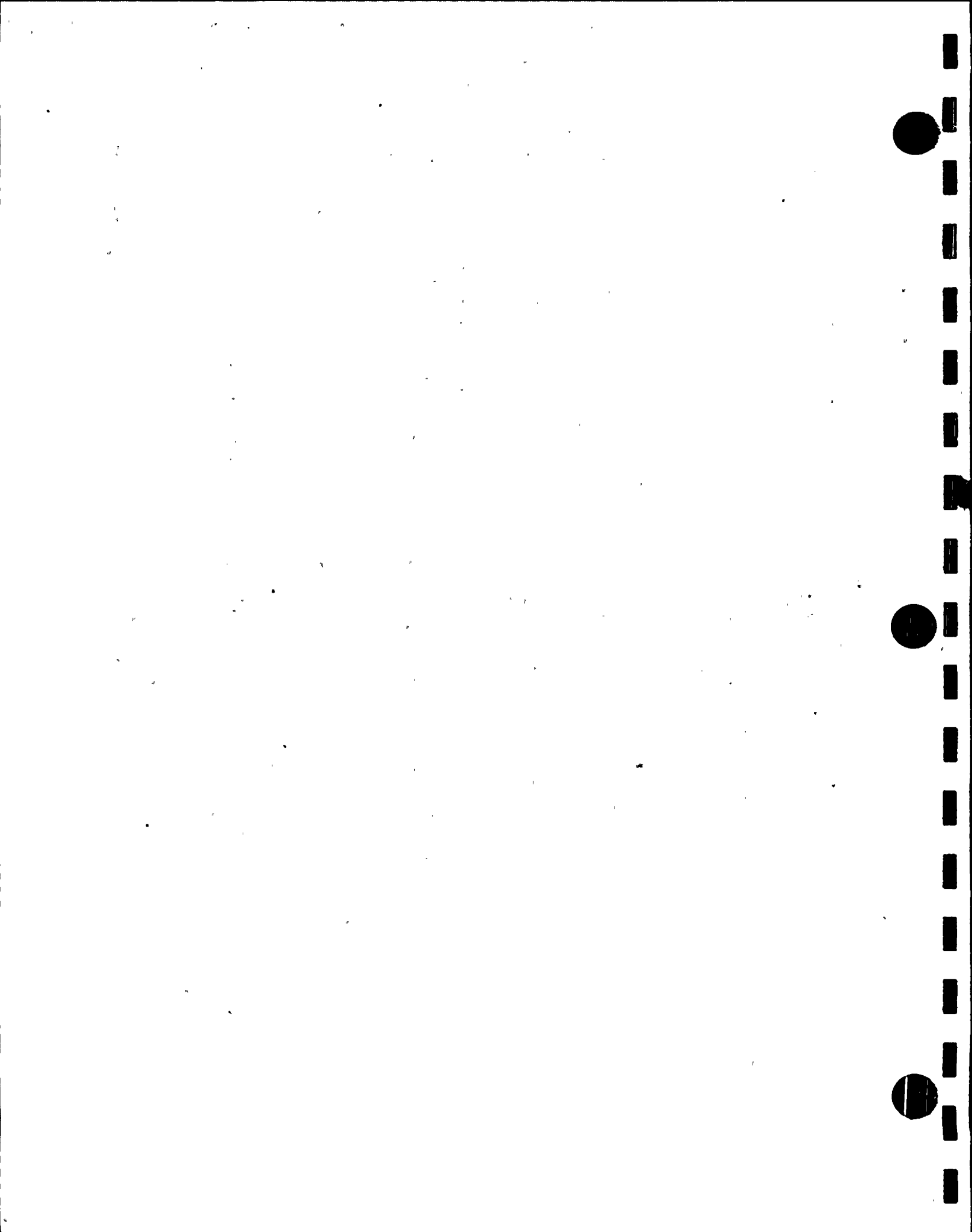
AMBIENT PRESS - 14.593

VAPOR PRESS - .2217215

DRY PRESSURE - 50.45678

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 178

DATE - 016

TIME - 13:15: 0

## PRESSURES

|       |   |          |       |   |          |
|-------|---|----------|-------|---|----------|
| 1     | - | 50.68300 | 2     | - | 50.67300 |
| INACT | - | 0.00000  | INACT | - | 0.00000  |
| INACT | - | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.67800

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.624 | 2     | 66.744 | 3     | 66.516 | 4     | 66.667 |
| 5     | 67.165 | 6     | 66.602 | 7     | 68.552 | 8     | 67.611 |
| 9     | 67.774 | 10    | 67.740 | 11    | 68.706 | 12    | 68.715 |
| 13    | 69.996 | 14    | 70.102 | 15    | 70.525 | 16    | 70.082 |
| 17    | 70.288 | 18    | 70.299 | 19    | 71.046 | 20    | 70.222 |
| 21    | 69.778 | 22    | 70.365 | 23    | 70.073 | 24    | 70.082 |
| INACT | 56.582 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.580

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.058 | INACT | 58.914 | INACT | 55.997 | 4     | 56.456 |
| INACT | 56.110 | 6     | 55.836 | INACT | 55.123 | 8     | 55.307 |
| 9     | 55.123 | INACT | 55.220 | 11    | 56.002 | INACT | 55.355 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 55.774

AMBIENT PRESS. - 14.593

VAPOR PRESS - .220074

DRY PRESSURE - 50.45793

FLOWS - 0 0

TOTAL FLOW 0





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## SENSOR LIST

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RECORD NUMBER - 179

DATE - 016

TIME - 13:30: 0

## PRESSURES

|       |   |          |       |   |          |
|-------|---|----------|-------|---|----------|
| 1     | - | 50.68200 | 2     | - | 50.67200 |
| INACT | - | 0.00000  | INACT | - | 0.00000  |
| INACT | - | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.67700

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.656 | 2     | 66.744 | 3     | 66.527 | 4     | 66.679 |
| 5     | 67.165 | 6     | 66.602 | 7     | 68.563 | 8     | 67.622 |
| 9     | 67.794 | 10    | 67.751 | 11    | 68.726 | 12    | 68.706 |
| 13    | 69.984 | 14    | 70.070 | 15    | 70.482 | 16    | 70.070 |
| 17    | 70.265 | 18    | 70.362 | 19    | 71.057 | 20    | 70.233 |
| 21    | 69.776 | 22    | 70.337 | 23    | 70.057 | 24    | 70.100 |
| INACT | 57.311 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.579

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.043 | INACT | 61.403 | INACT | 55.983 | 4     | 56.456 |
| INACT | 56.092 | 6     | 55.865 | INACT | 55.123 | 8     | 55.307 |
| 9     | 55.172 | INACT | 55.307 | 11    | 56.465 | INACT | 55.307 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 55.897

AMBIENT PRESS - 14.593

VAPOR PRESS - .2210607

DRY PRESSURE - 50.45594

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 180

DATE - 016

TIME - 13:45: 0

## PRESSURES

|       |   |          |       |   |          |
|-------|---|----------|-------|---|----------|
| 1     | - | 50.68100 | 2     | - | 50.67100 |
| INACT | - | 0.00000  | INACT | - | 0.00000  |
| INACT | - | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE

50.67600

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.667 | 2     | 66.722 | 3     | 66.527 | 4     | 66.690 |
| 5     | 67.165 | 6     | 66.624 | 7     | 68.563 | 8     | 67.665 |
| 9     | 67.783 | 10    | 67.762 | 11    | 68.726 | 12    | 68.706 |
| 13    | 70.005 | 14    | 70.102 | 15    | 70.471 | 16    | 70.059 |
| 17    | 70.245 | 18    | 70.288 | 19    | 71.209 | 20    | 70.222 |
| 21    | 69.758 | 22    | 70.322 | 23    | 70.050 | 24    | 70.073 |
| INACT | 57.207 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.579

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.032 | INACT | 66.732 | INACT | 55.907 | 4     | 56.456 |
| INACT | 56.032 | 6     | 55.787 | INACT | 55.114 | 8     | 55.259 |
| 9     | 55.114 | INACT | 55.162 | 11    | 56.369 | INACT | 55.259 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

DEW CELL 55.843

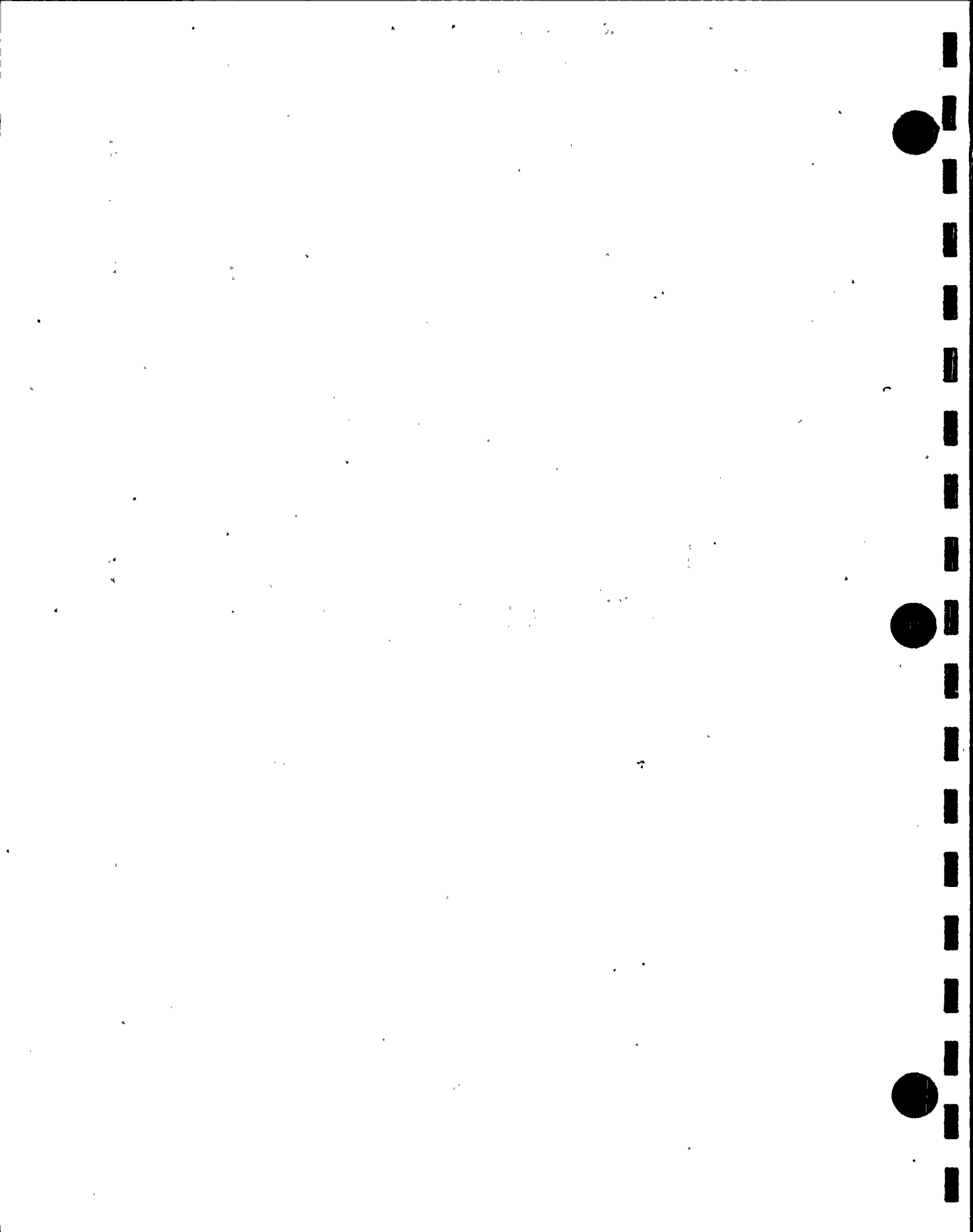
AMBIENT PRESS - 14.593

VAPOR PRESS - .2206246

DRY PRESSURE - 50.45538

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 181

DATE - 016

TIME - 14: 0: 0

## PRESSURES

|       |   |          |       |   |          |
|-------|---|----------|-------|---|----------|
| 1     | - | 50.68000 | 2     | - | 50.67000 |
| T     | - | 0.00000  | INACT | - | 0.00000  |
| INACT | - | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.67500

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.656 | 2     | 66.744 | 3     | 66.547 | 4     | 66.699 |
| 5     | 67.156 | 6     | 66.613 | 7     | 68.563 | 8     | 67.654 |
| 9     | 67.783 | 10    | 67.751 | 11    | 68.737 | 12    | 68.715 |
| 13    | 70.027 | 14    | 70.082 | 15    | 70.460 | 16    | 70.059 |
| 17    | 70.254 | 18    | 70.288 | 19    | 70.765 | 20    | 70.211 |
| 21    | 69.735 | 22    | 70.333 | 23    | 70.039 | 24    | 70.082 |
| INACT | 56.279 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.556

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.025 | INACT | 63.822 | INACT | 55.909 | 4     | 56.397 |
| INACT | 56.131 | 6     | 55.847 | INACT | 55.172 | 8     | 55.307 |
| 9     | 55.220 | INACT | 55.220 | 11    | 56.648 | INACT | 55.355 |
| T     | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 55.938

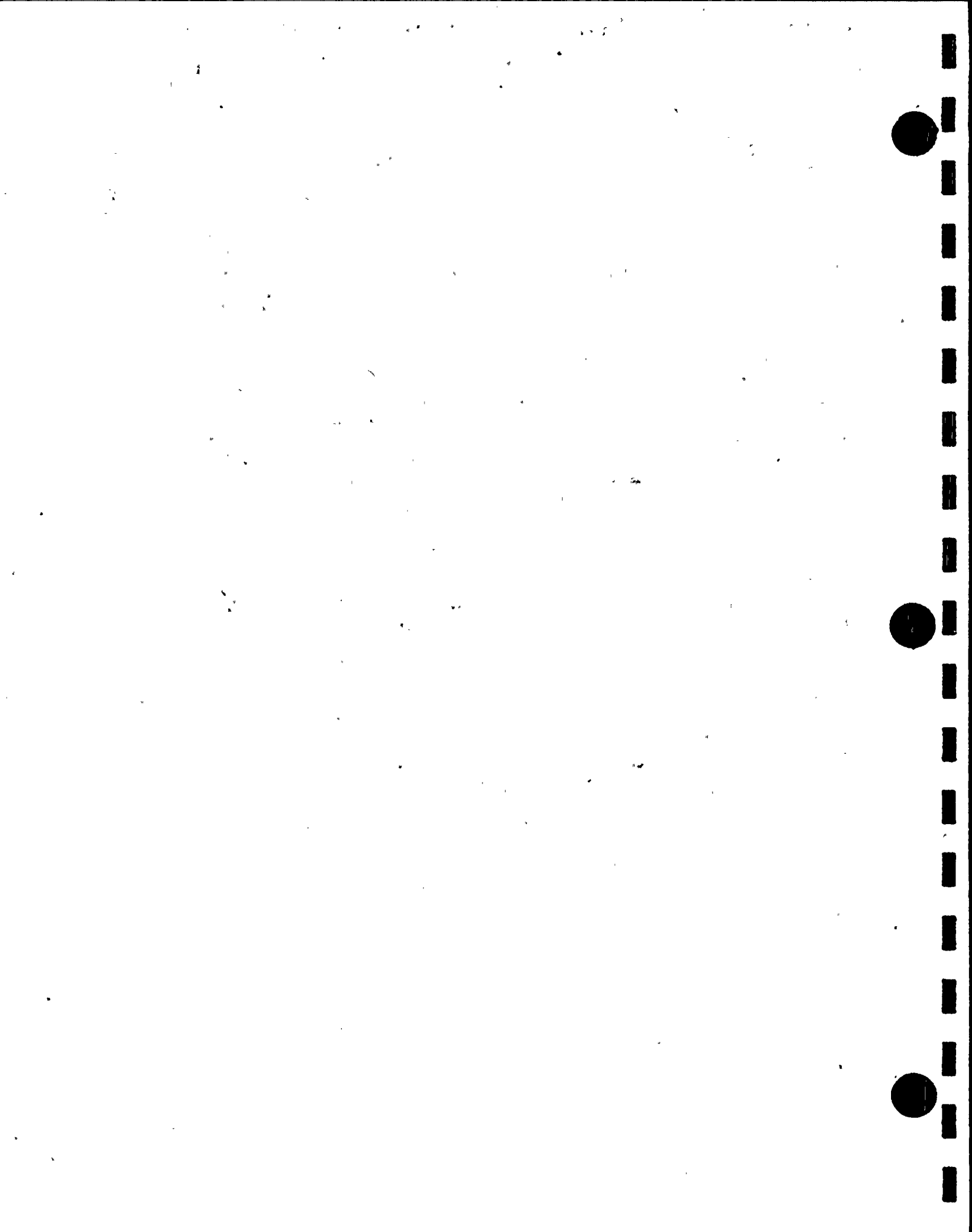
AMBIENT PRESS - 14.593

VAPOR PRESS - .2213861

DRY PRESSURE - 50.45361

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 182

DATE - 016

TIME - 14:15: 0

## PRESSURES

|       |   |          |       |   |          |
|-------|---|----------|-------|---|----------|
| 1     | - | 50.67900 | 2     | - | 50.67000 |
| INACT | - | 0.00000  | INACT | - | 0.00000  |
| INACT | - | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE

50.67450

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.656 | 2     | 66.733 | 3     | 66.538 | 4     | 66.690 |
| 5     | 67.165 | 6     | 66.624 | 7     | 68.575 | 8     | 67.654 |
| 9     | 67.794 | 10    | 67.783 | 11    | 68.726 | 12    | 68.737 |
| 13    | 70.005 | 14    | 70.070 | 15    | 70.460 | 16    | 70.059 |
| 17    | 70.222 | 18    | 70.233 | 19    | 71.057 | 20    | 70.211 |
| 21    | 69.715 | 22    | 70.333 | 23    | 70.018 | 24    | 70.050 |
| INACT | 57.424 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.558

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.025 | INACT | 61.569 | INACT | 55.948 | 4     | 56.438 |
| INACT | 56.034 | 6     | 55.828 | INACT | 55.123 | 8     | 55.220 |
| 9     | 55.123 | INACT | 55.123 | 11    | 56.282 | INACT | 55.268 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 55.823

AMBIENT PRESS - 14.593

VAPOR PRESS - .2204667

DRY PRESSURE - 50.45403

FLOWS - 0 0

TOTAL FLOW 0





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## SENSOR LIST

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RECORD NUMBER - 183

DATE - 016

TIME - 14:30: 0

## PRESSURES

|       |   |          |       |   |          |
|-------|---|----------|-------|---|----------|
| 1     | - | 50.67800 | 2     | - | 50.66900 |
| INACT | - | 0.00000  | INACT | - | 0.00000  |
| INACT | - | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.67350

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.667 | 2     | 66.722 | 3     | 66.547 | 4     | 66.699 |
| 5     | 67.165 | 6     | 66.624 | 7     | 68.575 | 8     | 67.654 |
| 9     | 67.794 | 10    | 67.774 | 11    | 68.737 | 12    | 68.737 |
| 13    | 69.973 | 14    | 70.059 | 15    | 70.451 | 16    | 70.059 |
| 17    | 70.233 | 18    | 70.233 | 19    | 71.143 | 20    | 70.179 |
| 21    | 69.726 | 22    | 70.365 | 23    | 70.018 | 24    | 70.030 |
| INACT | 58.775 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.559

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 56.032 | INACT | 59.146 | INACT | 55.927 | 4     | 56.436 |
| INACT | 56.141 | 6     | 55.787 | INACT | 55.085 | 8     | 55.268 |
| 9     | 55.220 | INACT | 55.268 | 11    | 56.369 | INACT | 55.268 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 55.866

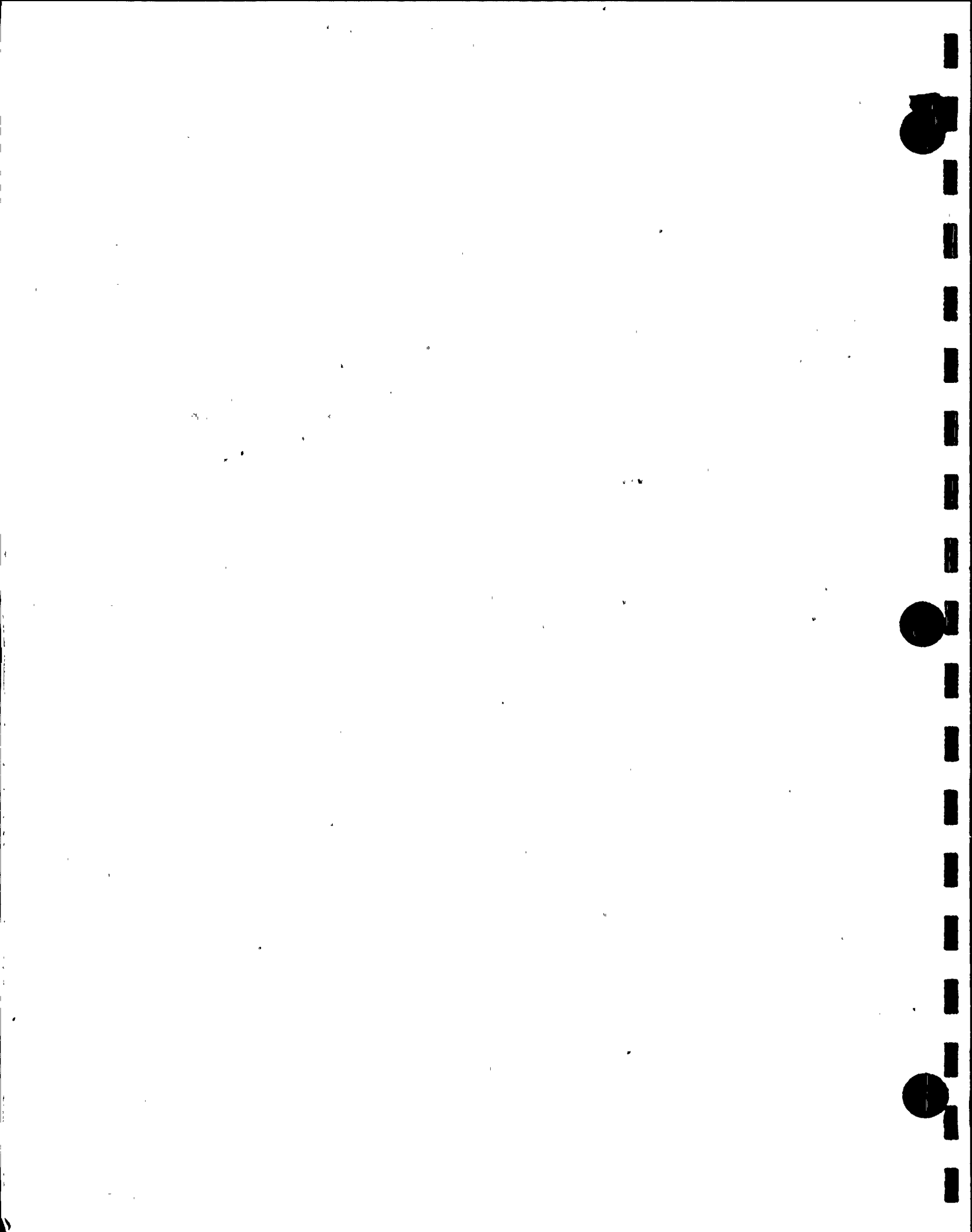
AMBIENT PRESS - 14.593

VAPOR PRESS - .2208078

DRY PRESSURE - 50.45269

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 184

DATE - 016

TIME - 14:45: 0

## PRESSURES

|       |   |          |       |   |          |
|-------|---|----------|-------|---|----------|
| 1     | - | 50.67800 | 2     | - | 50.66800 |
| INACT | - | 0.00000  | INACT | - | 0.00000  |
| INACT | - | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.67300

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.679 | 2     | 66.733 | 3     | 66.547 | 4     | 66.699 |
| 5     | 67.188 | 6     | 66.624 | 7     | 68.586 | 8     | 67.674 |
| 9     | 67.817 | 10    | 67.783 | 11    | 68.749 | 12    | 68.737 |
| 13    | 69.962 | 14    | 70.070 | 15    | 70.460 | 16    | 70.048 |
| 17    | 70.245 | 18    | 70.288 | 19    | 71.284 | 20    | 70.179 |
| 21    | 69.726 | 22    | 70.279 | 23    | 70.030 | 24    | 70.050 |
| INACT | 58.904 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.571

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 55.981 | INACT | 63.765 | INACT | 55.898 | 4     | 56.417 |
| INACT | 56.073 | 6     | 55.641 | INACT | 55.123 | 8     | 55.268 |
| INACT | 55.172 | INACT | 55.123 | 11    | 56.600 | INACT | 55.355 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 55.878

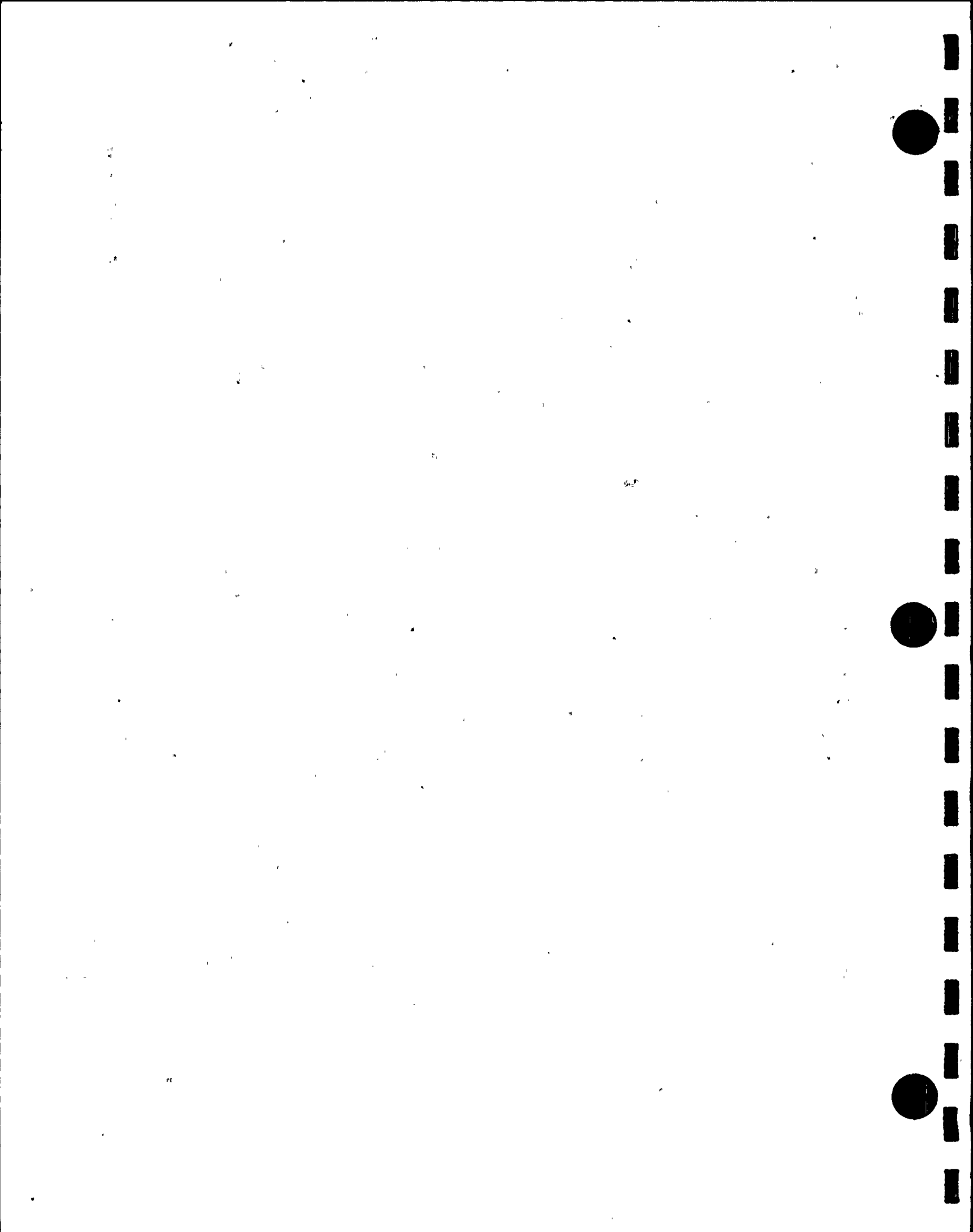
AMBIENT PRESS - 14.593

VAPOR PRESS - .2209026

DRY PRESSURE - 50.4521

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 185

DATE - 016

TIME - 15: 0: 0

## PRESSURES

|         |          |         |          |
|---------|----------|---------|----------|
| 1 -     | 50.67700 | 2 -     | 50.66800 |
| INACT - | 0.00000  | INACT - | 0.00000  |
| INACT - | 0.00000  | INACT - | 0.00000  |

AVG PRESSURE 50.67250

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.679 | 2     | 66.753 | 3     | 66.559 | 4     | 66.699 |
| 5     | 67.156 | 6     | 66.645 | 7     | 68.586 | 8     | 67.685 |
| 9     | 67.805 | 10    | 67.794 | 11    | 68.769 | 12    | 68.726 |
| 13    | 69.962 | 14    | 70.048 | 15    | 70.439 | 16    | 70.039 |
| 17    | 70.211 | 18    | 70.202 | 19    | 70.863 | 20    | 70.179 |
| 21    | 69.704 | 22    | 70.299 | 23    | 70.007 | 24    | 70.039 |
| INACT | 58.558 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.534

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 55.984 | INACT | 66.835 | INACT | 55.945 | 4     | 56.397 |
| INACT | 56.032 | 6     | 55.758 | INACT | 55.114 | 8     | 55.259 |
| 9     | 54.979 | INACT | 55.114 | 11    | 56.600 | INACT | 55.307 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 55.846

AMBIENT PRESS - 14.593

VAPOR PRESS - .2206519

DRY PRESSURE - 50.45185

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 186

DATE - 016

TIME - 15:15: 0

## PRESSURES

|       |   |          |       |   |          |
|-------|---|----------|-------|---|----------|
| 1     | - | 50.67600 | 2     | - | 50.66700 |
| INACT | - | 0.00000  | INACT | - | 0.00000  |
| INACT | - | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.67150

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.667 | 2     | 66.733 | 3     | 66.547 | 4     | 66.699 |
| 5     | 67.219 | 6     | 66.636 | 7     | 68.586 | 8     | 67.708 |
| 9     | 67.828 | 10    | 67.783 | 11    | 68.758 | 12    | 68.726 |
| 13    | 69.941 | 14    | 70.027 | 15    | 70.439 | 16    | 70.048 |
| 17    | 70.222 | 18    | 70.156 | 19    | 70.872 | 20    | 70.190 |
| 21    | 69.711 | 22    | 70.360 | 23    | 70.014 | 24    | 70.014 |
| INACT | 57.494 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.533

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 55.933 | INACT | 67.215 | INACT | 55.825 | 4     | 56.415 |
| INACT | 56.053 | 6     | 55.816 | INACT | 55.123 | 8     | 55.220 |
| 9     | 55.172 | INACT | 55.172 | 11    | 56.282 | INACT | 55.220 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 55.818

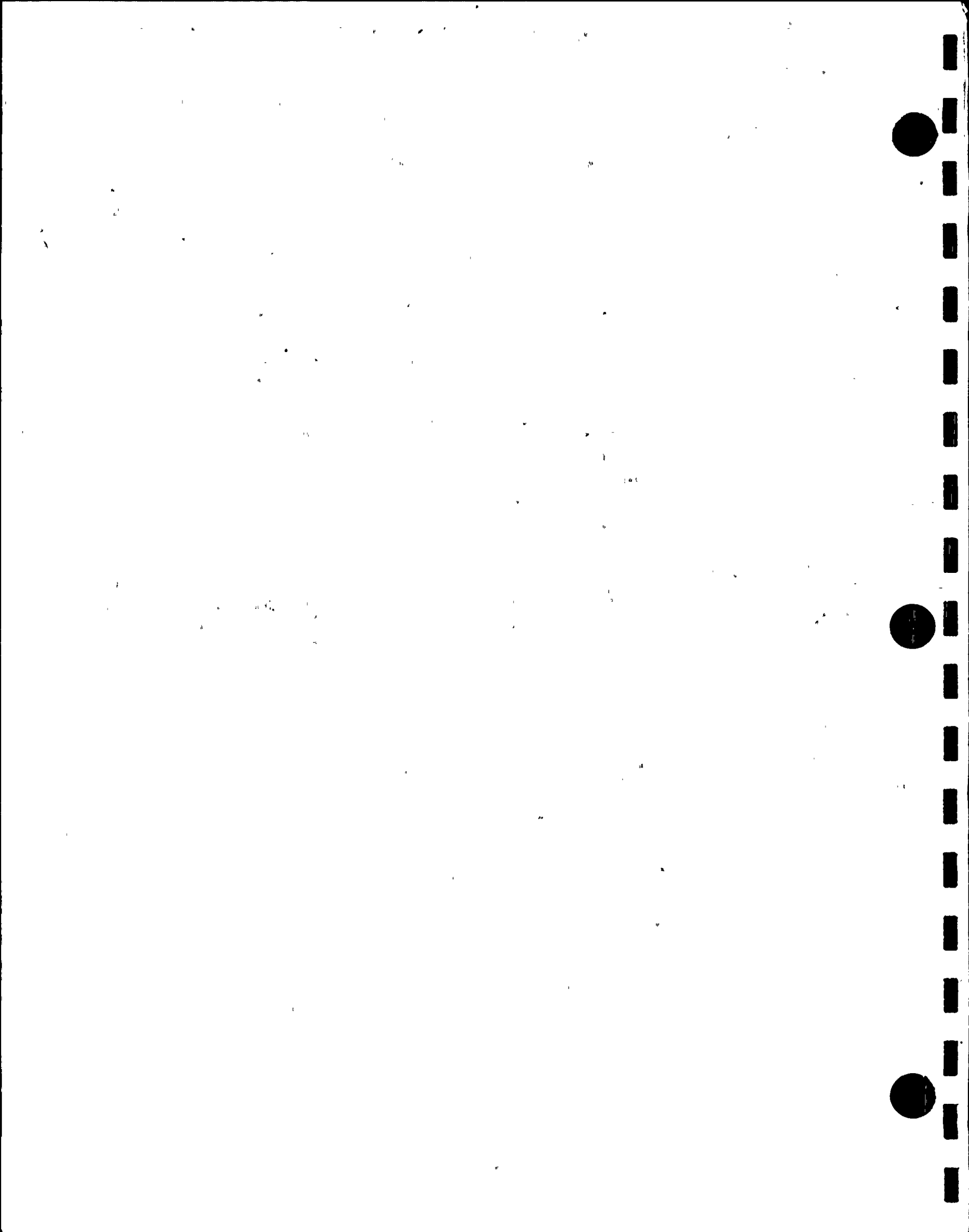
AMBIENT PRESS - 14.593

VAPOR PRESS - .2204271

DRY PRESSURE - 50.45107

FLOWS - 0 0

TOTAL FLOW 0





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## SENSOR LIST

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RECORD NUMBER - 187

DATE - 016

TIME - 15:30: 0

## PRESSURES

|       |   |          |       |   |          |
|-------|---|----------|-------|---|----------|
| 1     | - | 50.67500 | 2     | - | 50.66600 |
| INACT | - | 0.00000  | INACT | - | 0.00000  |
| INACT | - | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.67050

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.679 | 2     | 66.753 | 3     | 66.547 | 4     | 66.699 |
| 5     | 67.188 | 6     | 66.636 | 7     | 68.586 | 8     | 67.685 |
| 9     | 67.837 | 10    | 67.794 | 11    | 68.758 | 12    | 68.726 |
| 13    | 69.919 | 14    | 70.027 | 15    | 70.439 | 16    | 70.039 |
| 17    | 70.202 | 18    | 70.245 | 19    | 70.820 | 20    | 70.168 |
| 21    | 69.704 | 22    | 70.256 | 23    | 69.984 | 24    | 69.984 |
| INACT | 56.711 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.524

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 55.962 | INACT | 63.949 | INACT | 55.825 | 4     | 56.337 |
| INACT | 56.003 | 6     | 55.766 | INACT | 55.172 | 8     | 55.268 |
| 9     | 54.988 | INACT | 55.172 | 11    | 56.369 | INACT | 55.268 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 55.784

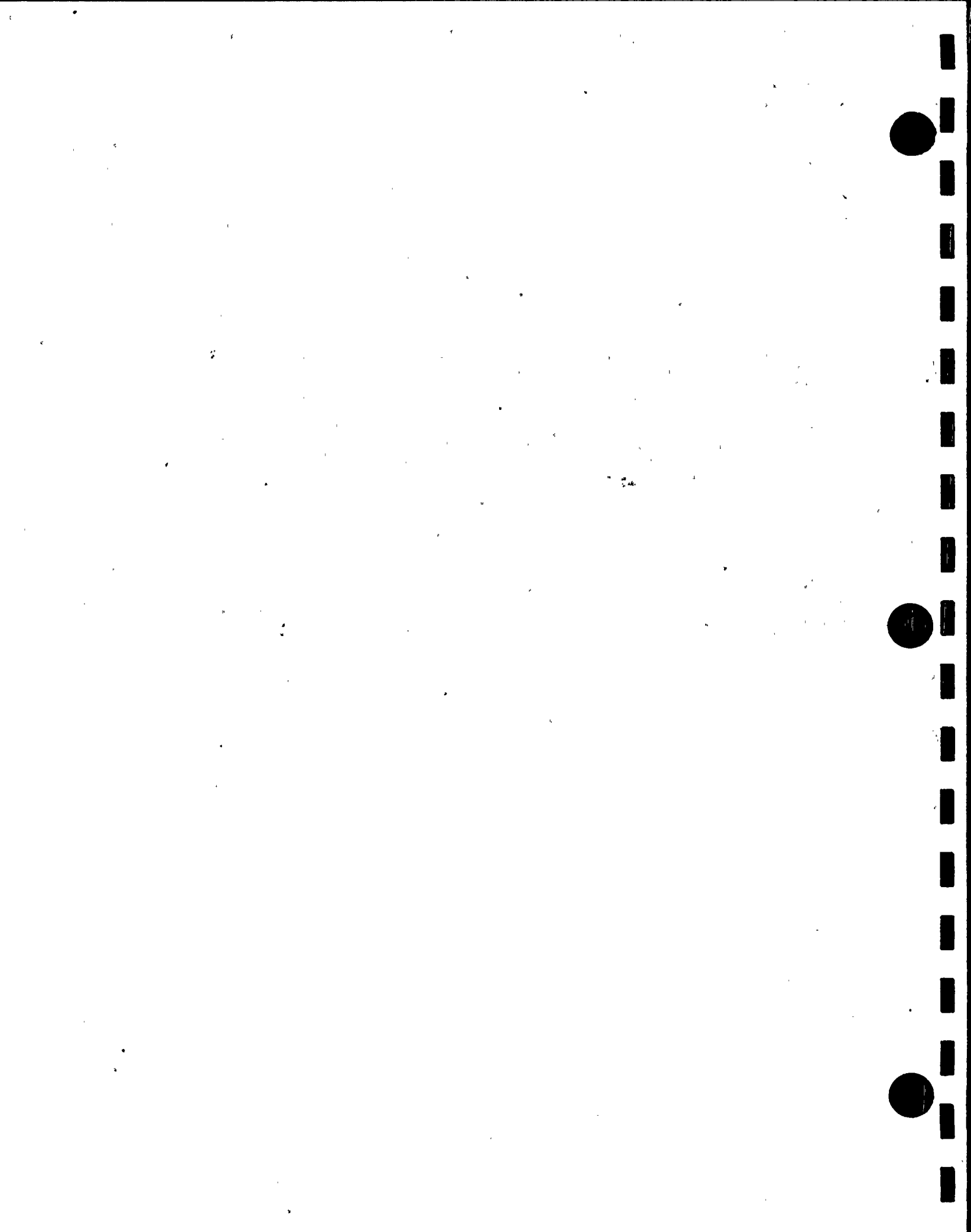
AMBIENT PRESS - 14.593

VAPOR PRESS - .220156

DRY PRESSURE - 50.45034

FLOWS - 0 0

TOTAL FLOW 0 .



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## SENSOR LIST

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RECORD NUMBER - 188

DATE - 016

TIME - 15:45: 0

## PRESSURES

|       |   |          |       |   |          |
|-------|---|----------|-------|---|----------|
| 1     | - | 50.67400 | 2     | - | 50.66400 |
| INACT | - | 0.00000  | INACT | - | 0.00000  |
| INACT | - | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.66900

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.679 | 2     | 66.733 | 3     | 66.547 | 4     | 66.722 |
| 5     | 67.199 | 6     | 66.636 | 7     | 68.597 | 8     | 67.697 |
| 9     | 67.848 | 10    | 67.817 | 11    | 68.737 | 12    | 68.726 |
| 13    | 69.941 | 14    | 70.005 | 15    | 70.396 | 16    | 70.039 |
| 17    | 70.233 | 18    | 70.233 | 19    | 70.657 | 20    | 70.113 |
| 21    | 69.661 | 22    | 70.202 | 23    | 69.984 | 24    | 69.930 |
| INACT | 57.488 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.506

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 55.881 | INACT | 60.570 | INACT | 55.860 | 4     | 56.386 |
| INACT | 56.120 | 6     | 55.748 | INACT | 55.114 | 8     | 55.210 |
| INACT | 55.027 | INACT | 55.114 | 11    | 56.224 | INACT | 55.259 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 55.748

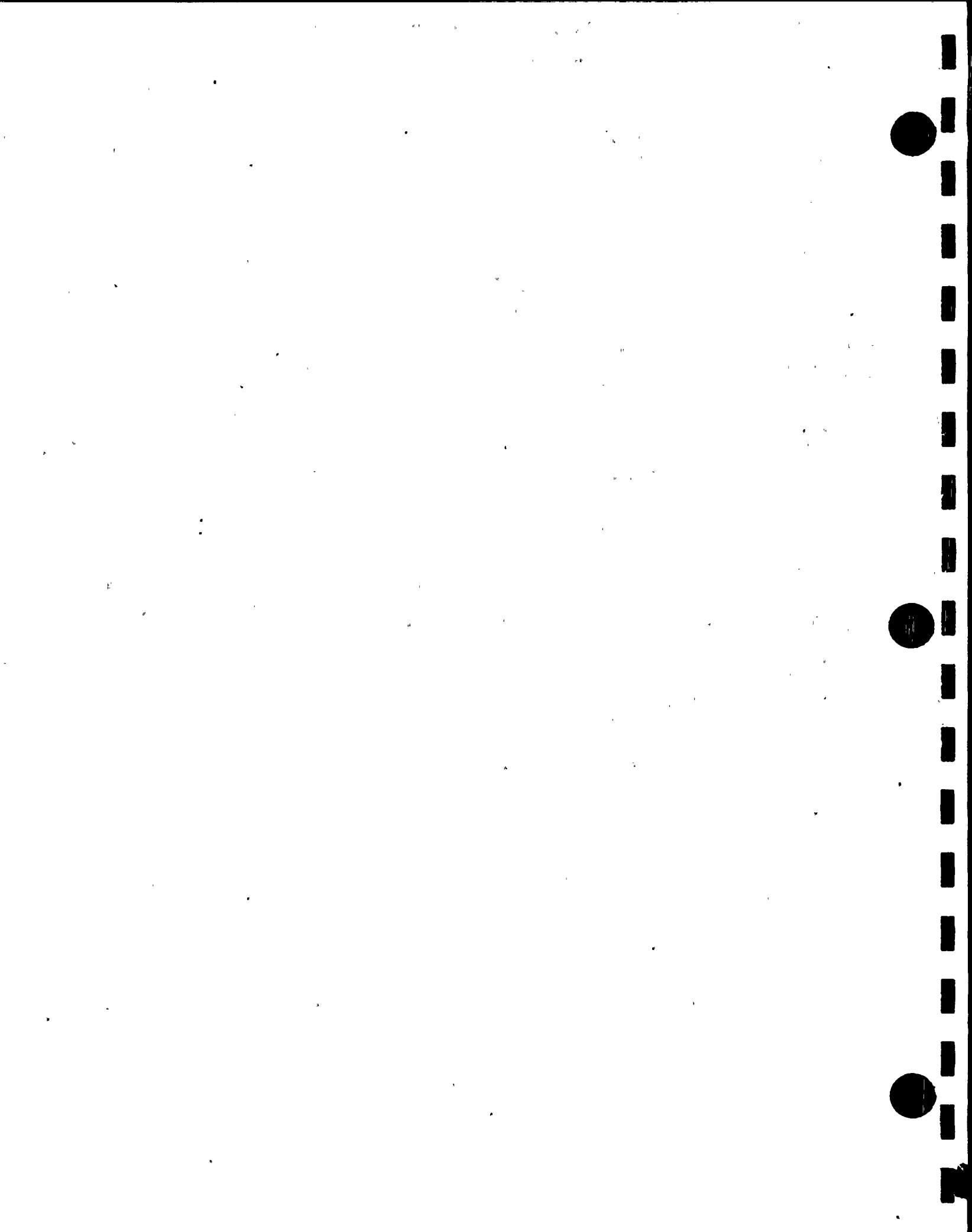
AMBIENT PRESS - 14.593

VAPOR PRESS - .2198681

DRY PRESSURE - 50.44913

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 189

DATE - 016

TIME - 16: 0: 0

## PRESSURES

|       |   |          |       |   |          |
|-------|---|----------|-------|---|----------|
| 1     | - | 50.67200 | 2     | - | 50.66300 |
| 3     | - | 0.00000  | INACT | - | 0.00000  |
| INACT | - | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.66750

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.667 | 2     | 66.733 | 3     | 66.538 | 4     | 66.699 |
| 5     | 67.199 | 6     | 66.624 | 7     | 68.575 | 8     | 67.685 |
| 9     | 67.860 | 10    | 67.805 | 11    | 68.737 | 12    | 68.715 |
| 13    | 69.930 | 14    | 69.950 | 15    | 70.396 | 16    | 70.016 |
| 17    | 70.168 | 18    | 70.202 | 19    | 70.494 | 20    | 70.093 |
| 21    | 69.638 | 22    | 70.190 | 23    | 69.941 | 24    | 69.930 |
| INACT | 57.024 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.475

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 55.936 | INACT | 58.837 | INACT | 55.895 | 4     | 56.386 |
| INACT | 55.982 | 6     | 55.776 | INACT | 55.085 | 8     | 55.220 |
| 9     | 54.988 | INACT | 55.123 | 11    | 56.562 | INACT | 55.268 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 55.831

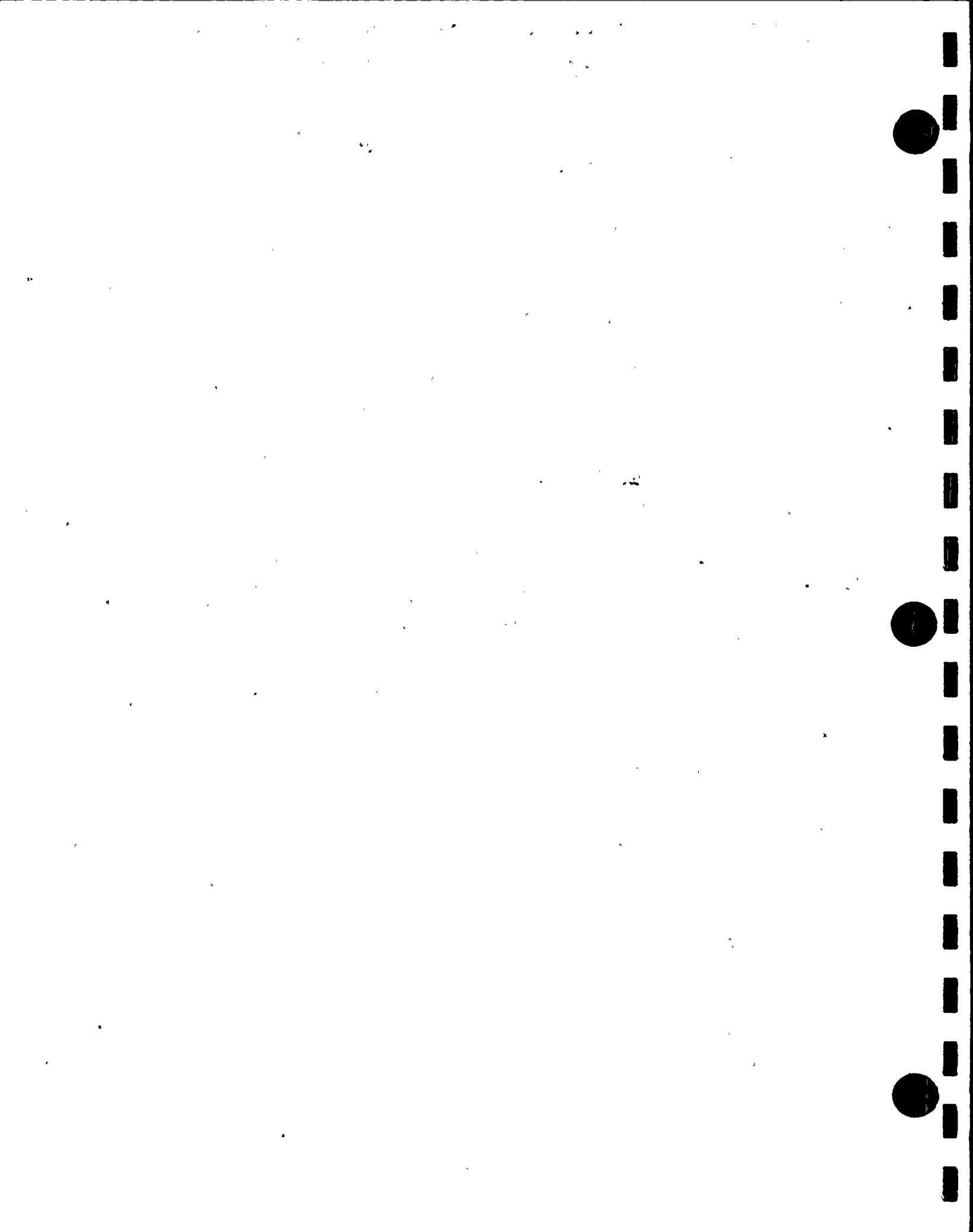
AMBIENT PRESS - 14.593

VAPOR PRESS - .2205271

DRY PRESSURE - 50.44697

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 190

DATE - 016

TIME - 16:15: 0

## PRESSURES

|       |   |          |       |   |          |
|-------|---|----------|-------|---|----------|
| 1     | - | 50.67100 | 2     | - | 50.66200 |
| INACT | - | 0.00000  | INACT | - | 0.00000  |
| INACT | - | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.66650

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.706 | 2     | 66.771 | 3     | 66.565 | 4     | 66.728 |
| 5     | 67.237 | 6     | 66.663 | 7     | 68.593 | 8     | 67.724 |
| 9     | 67.887 | 10    | 67.844 | 11    | 68.765 | 12    | 68.733 |
| 13    | 69.882 | 14    | 69.957 | 15    | 70.392 | 16    | 70.034 |
| 17    | 70.186 | 18    | 70.174 | 19    | 70.466 | 20    | 70.097 |
| 21    | 69.643 | 22    | 70.141 | 23    | 69.926 | 24    | 69.914 |
| INACT | 56.390 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.474

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 55.907 | INACT | 66.840 | INACT | 55.814 | 4     | 56.357 |
| INACT | 55.982 | 6     | 55.659 | INACT | 55.075 | 8     | 55.210 |
| 9     | 55.027 | INACT | 55.162 | 11    | 56.552 | INACT | 55.394 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 55.811

AMBIENT PRESS - 14.593

VAPOR PRESS - .2203677

DRY PRESSURE - 50.44613

FLOWS - 0 0

TOTAL FLOW 0





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## SENSOR LIST

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RECORD NUMBER - 191

DATE - 016

TIME - 16:30: 0

## PRESSURES

|       |   |          |       |   |          |
|-------|---|----------|-------|---|----------|
| 1     | - | 50.67000 | 2     | - | 50.66100 |
| INACT | - | 0.00000  | INACT | - | 0.00000  |
| INACT | - | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.66550

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.690 | 2     | 66.765 | 3     | 66.559 | 4     | 66.733 |
| 5     | 67.165 | 6     | 66.656 | 7     | 68.597 | 8     | 67.728 |
| 9     | 67.880 | 10    | 67.837 | 11    | 68.758 | 12    | 68.726 |
| 13    | 69.896 | 14    | 69.973 | 15    | 70.353 | 16    | 70.005 |
| 17    | 70.147 | 18    | 70.147 | 19    | 70.428 | 20    | 70.093 |
| 21    | 69.627 | 22    | 70.159 | 23    | 69.921 | 24    | 69.910 |
| INACT | 55.446 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.462

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 55.933 | INACT | 65.550 | INACT | 55.798 | 4     | 56.374 |
| INACT | 56.020 | 6     | 55.735 | INACT | 55.114 | 8     | 55.210 |
| 9     | 54.979 | INACT | 55.162 | 11    | 56.321 | INACT | 55.259 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 55.762

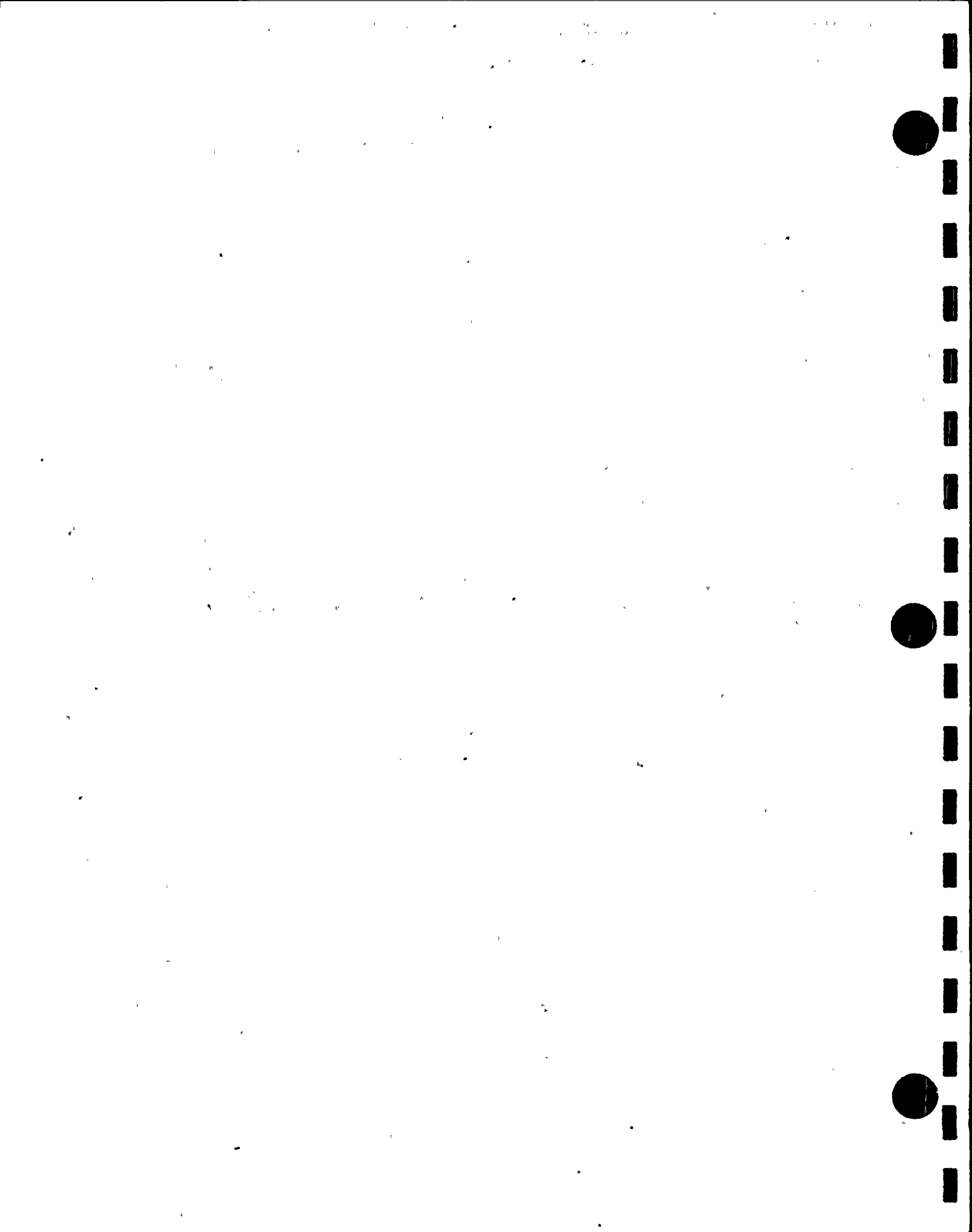
AMBIENT PRESS - 14.593

VAPOR PRESS - .2199804

DRY PRESSURE - 50.44551

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 192

DATE - 016

TIME - 16:45: 0

## PRESSURES

|       |   |          |       |   |          |
|-------|---|----------|-------|---|----------|
| 1     | - | 50.66900 | 2     | - | 50.66000 |
| INACT | - | 0.00000  | INACT | - | 0.00000  |
| INACT | - | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.66450

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.690 | 2     | 66.753 | 3     | 66.581 | 4     | 66.744 |
| 5     | 67.210 | 6     | 66.645 | 7     | 68.606 | 8     | 67.728 |
| 9     | 67.903 | 10    | 67.837 | 11    | 68.749 | 12    | 68.726 |
| 13    | 69.896 | 14    | 69.887 | 15    | 70.353 | 16    | 69.973 |
| 17    | 70.179 | 18    | 70.211 | 19    | 70.396 | 20    | 70.039 |
| 21    | 69.595 | 22    | 70.136 | 23    | 69.921 | 24    | 69.921 |
| INACT | 53.922 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.455

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 55.900 | INACT | 60.804 | INACT | 55.840 | 4     | 56.329 |
| INACT | 55.993 | 6     | 55.748 | INACT | 55.075 | 8     | 55.210 |
| 9     | 54.930 | INACT | 55.027 | 11    | 56.224 | INACT | 55.259 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 55.719

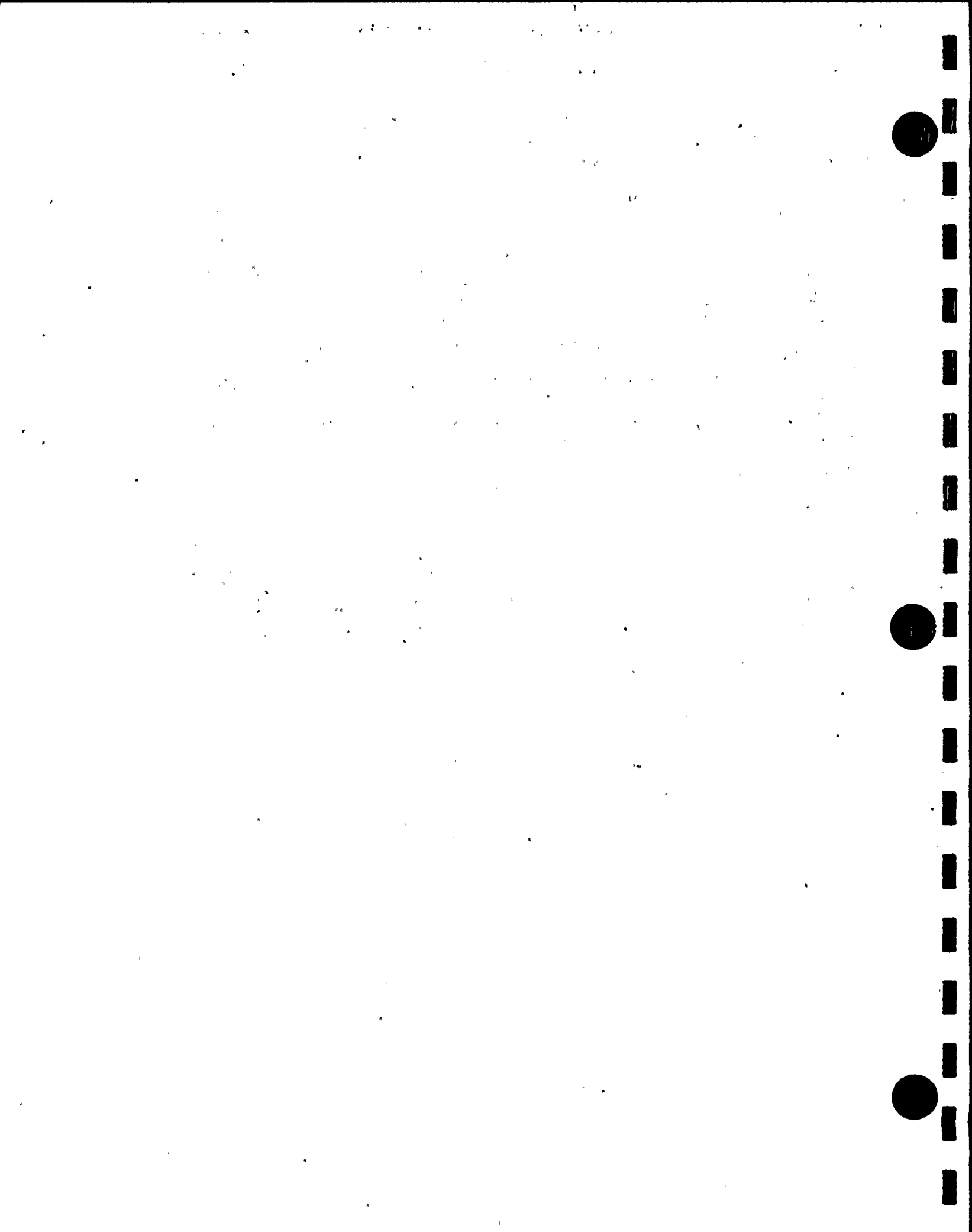
AMBIENT PRESS - 14.593

VAPOR PRESS - .219635

DRY PRESSURE - 50.44486

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 193

DATE - 016

TIME - 17: 0: 0

## PRESSURES

|       |   |          |       |   |          |
|-------|---|----------|-------|---|----------|
| 1     | - | 50.66800 | 2     | - | 50.65900 |
| INACT | - | 0.00000  | INACT | - | 0.00000  |
| INACT | - | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.66350

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.690 | 2     | 66.744 | 3     | 66.570 | 4     | 66.733 |
| 5     | 67.210 | 6     | 66.656 | 7     | 68.597 | 8     | 67.708 |
| 9     | 67.891 | 10    | 67.837 | 11    | 68.749 | 12    | 68.726 |
| 13    | 69.919 | 14    | 69.984 | 15    | 70.353 | 16    | 69.996 |
| 17    | 70.156 | 18    | 70.082 | 19    | 70.374 | 20    | 70.048 |
| 21    | 69.606 | 22    | 70.104 | 23    | 69.921 | 24    | 69.878 |
| INACT | 53.793 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.449

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 55.885 | INACT | 59.063 | INACT | 55.854 | 4     | 56.318 |
| INACT | 56.013 | 6     | 55.719 | INACT | 55.075 | 8     | 55.162 |
| 9     | 55.027 | INACT | 55.114 | 11    | 56.176 | INACT | 55.114 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 55.718

AMBIENT PRESS - 14.593

VAPOR PRESS - .2196248

DRY PRESSURE - 50.44387

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 194

DATE - 016

TIME - 17:15: 0

## PRESSURES

|         |          |       |   |          |
|---------|----------|-------|---|----------|
| -       | 50.66700 | 2     | - | 50.65800 |
| -       | 0.00000  | INACT | - | 0.00000  |
| INACT - | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.66250

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.690 | 2     | 66.765 | 3     | 66.570 | 4     | 66.733 |
| 5     | 67.219 | 6     | 66.667 | 7     | 68.617 | 8     | 67.740 |
| 9     | 67.903 | 10    | 67.848 | 11    | 68.758 | 12    | 68.737 |
| 13    | 69.919 | 14    | 69.973 | 15    | 70.331 | 16    | 69.996 |
| 17    | 70.136 | 18    | 70.179 | 19    | 70.385 | 20    | 70.016 |
| 21    | 69.575 | 22    | 70.104 | 23    | 69.855 | 24    | 69.878 |
| INACT | 52.292 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.450

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 55.892 | INACT | 59.932 | INACT | 55.822 | 4     | 56.248 |
| INACT | 55.914 | 6     | 55.678 | INACT | 55.075 | 8     | 55.114 |
| 9     | 54.979 | INACT | 55.162 | 11    | 56.407 | INACT | 55.346 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 55.740

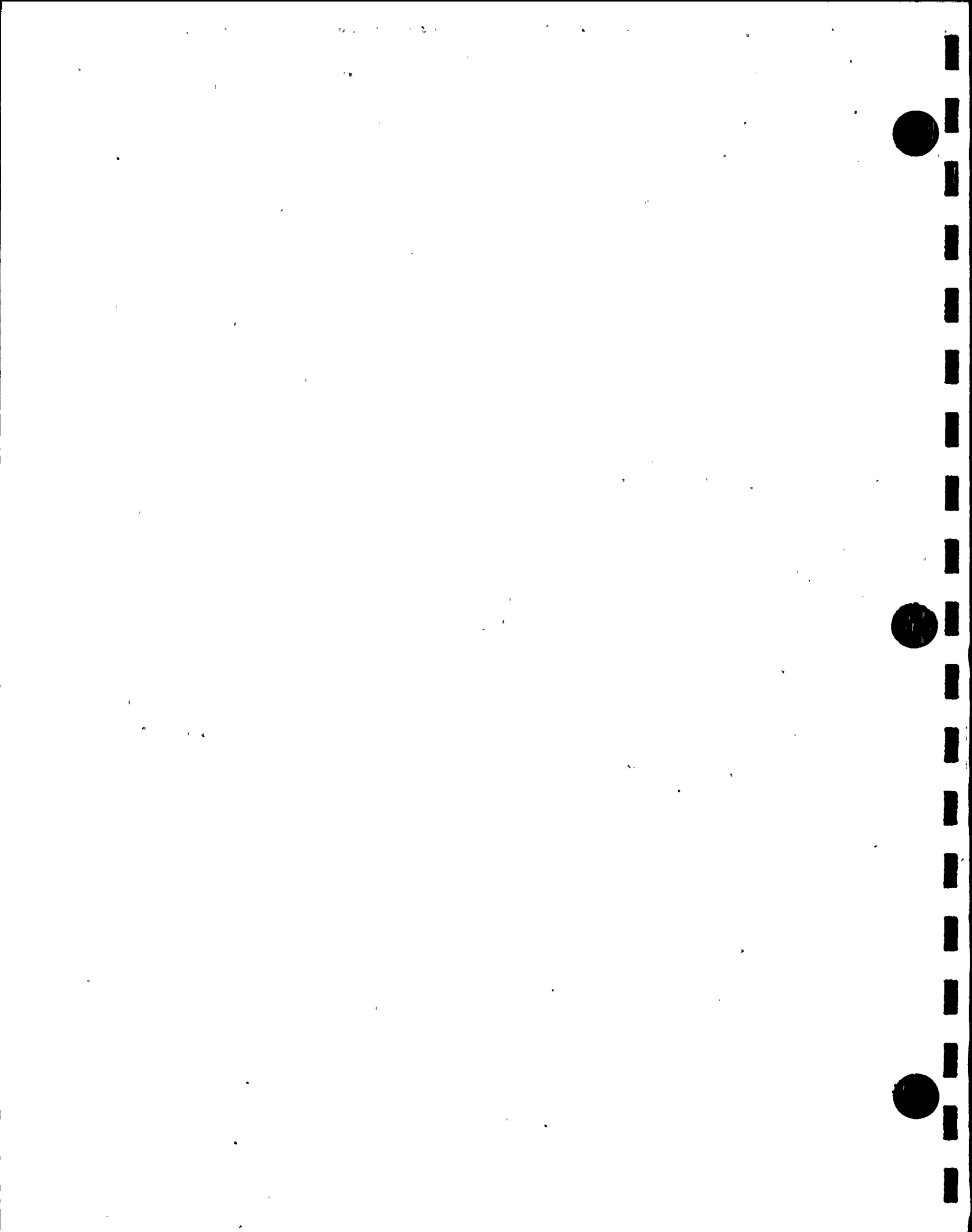
AMBIENT PRESS - 14.593

VAPOR PRESS - .2198017

DRY PRESSURE - 50.4427

FLOWS - 0 0

TOTAL FLOW 0





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## SENSOR LIST

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RECORD NUMBER - 195

DATE - 016

TIME - 17:30: 0

## PRESSURES

|       |   |          |       |   |          |
|-------|---|----------|-------|---|----------|
| 1     | - | 50.66600 | 2     | - | 50.65700 |
| INACT | - | 0.00000  | INACT | - | 0.00000  |
| INACT | - | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.66150

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.710 | 2     | 66.787 | 3     | 66.570 | 4     | 66.744 |
| 5     | 67.274 | 6     | 66.679 | 7     | 68.617 | 8     | 67.783 |
| 9     | 67.914 | 10    | 67.860 | 11    | 68.769 | 12    | 68.737 |
| 13    | 69.876 | 14    | 69.962 | 15    | 70.331 | 16    | 69.973 |
| 17    | 70.147 | 18    | 70.125 | 19    | 70.396 | 20    | 70.048 |
| 21    | 69.575 | 22    | 70.093 | 23    | 69.867 | 24    | 69.867 |
| INACT | 51.687 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.445

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 55.868 | INACT | 66.645 | INACT | 55.848 | 4     | 56.318 |
| INACT | 56.024 | 6     | 55.678 | INACT | 55.085 | 8     | 55.172 |
| 9     | 54.940 | INACT | 55.085 | 11    | 56.369 | INACT | 55.307 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 55.736

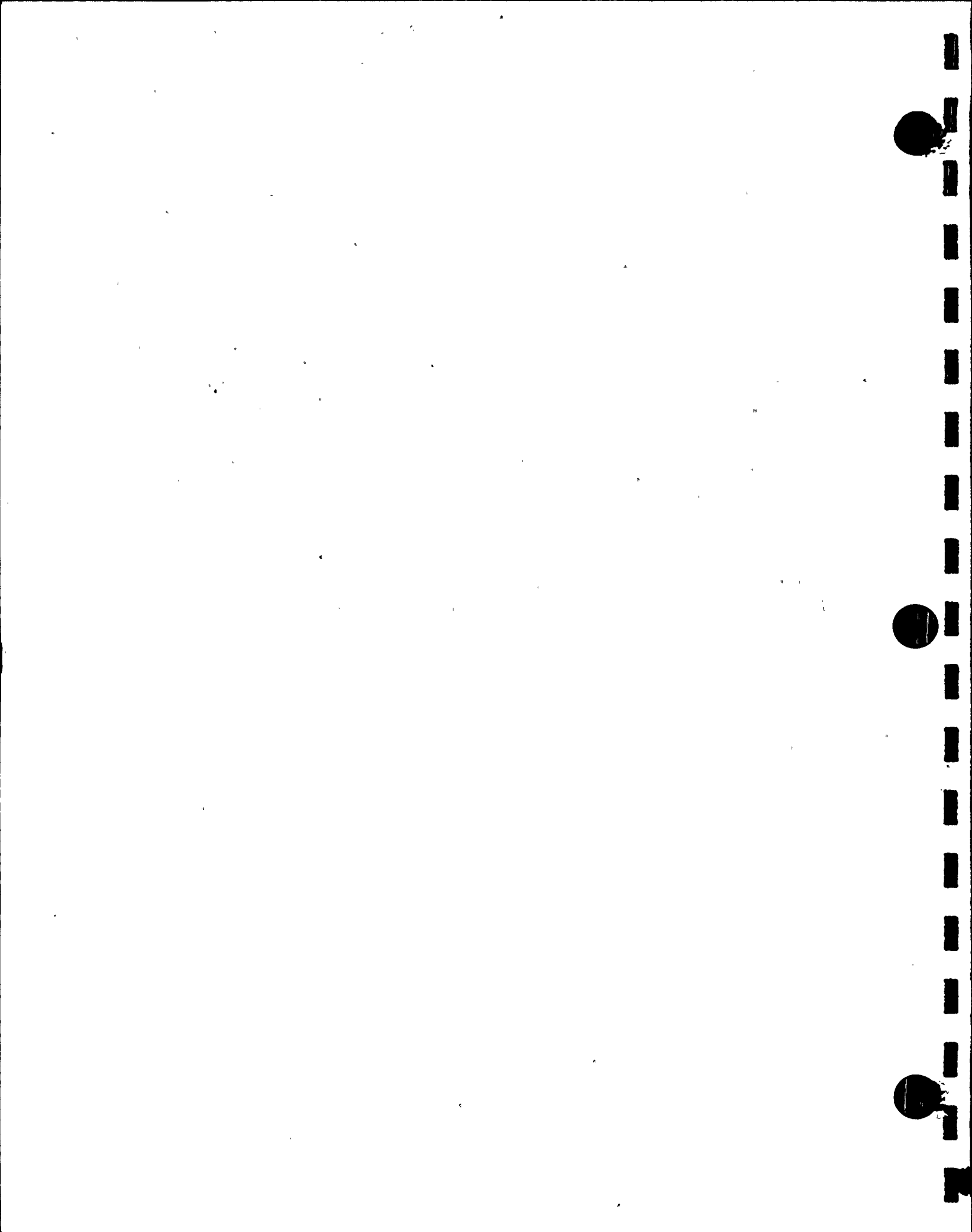
AMBIENT PRESS - 14.593

VAPOR PRESS - .219766

DRY PRESSURE - 50.44173

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 196

DATE - 016

TIME - 17:45: 0

## PRESSURES

|       |   |          |       |   |          |
|-------|---|----------|-------|---|----------|
| 1     | - | 50.66600 | 2     | - | 50.65600 |
| INACT | - | 0.00000  | INACT | - | 0.00000  |
| INACT | - | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.66100

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.710 | 2     | 66.765 | 3     | 66.581 | 4     | 66.744 |
| 5     | 67.262 | 6     | 66.656 | 7     | 68.606 | 8     | 67.751 |
| 9     | 67.925 | 10    | 67.848 | 11    | 68.758 | 12    | 68.737 |
| 13    | 69.833 | 14    | 69.996 | 15    | 70.319 | 16    | 69.962 |
| 17    | 70.125 | 18    | 70.156 | 19    | 70.385 | 20    | 70.016 |
| 21    | 69.575 | 22    | 70.061 | 23    | 69.844 | 24    | 69.855 |
| INACT | 51.319 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.436

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 55.839 | INACT | 60.782 | INACT | 55.772 | 4     | 56.324 |
| INACT | 55.931 | 6     | 55.696 | INACT | 54.988 | 8     | 55.172 |
| INACT | 54.853 | INACT | 54.940 | 11    | 56.234 | INACT | 55.123 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 55.683

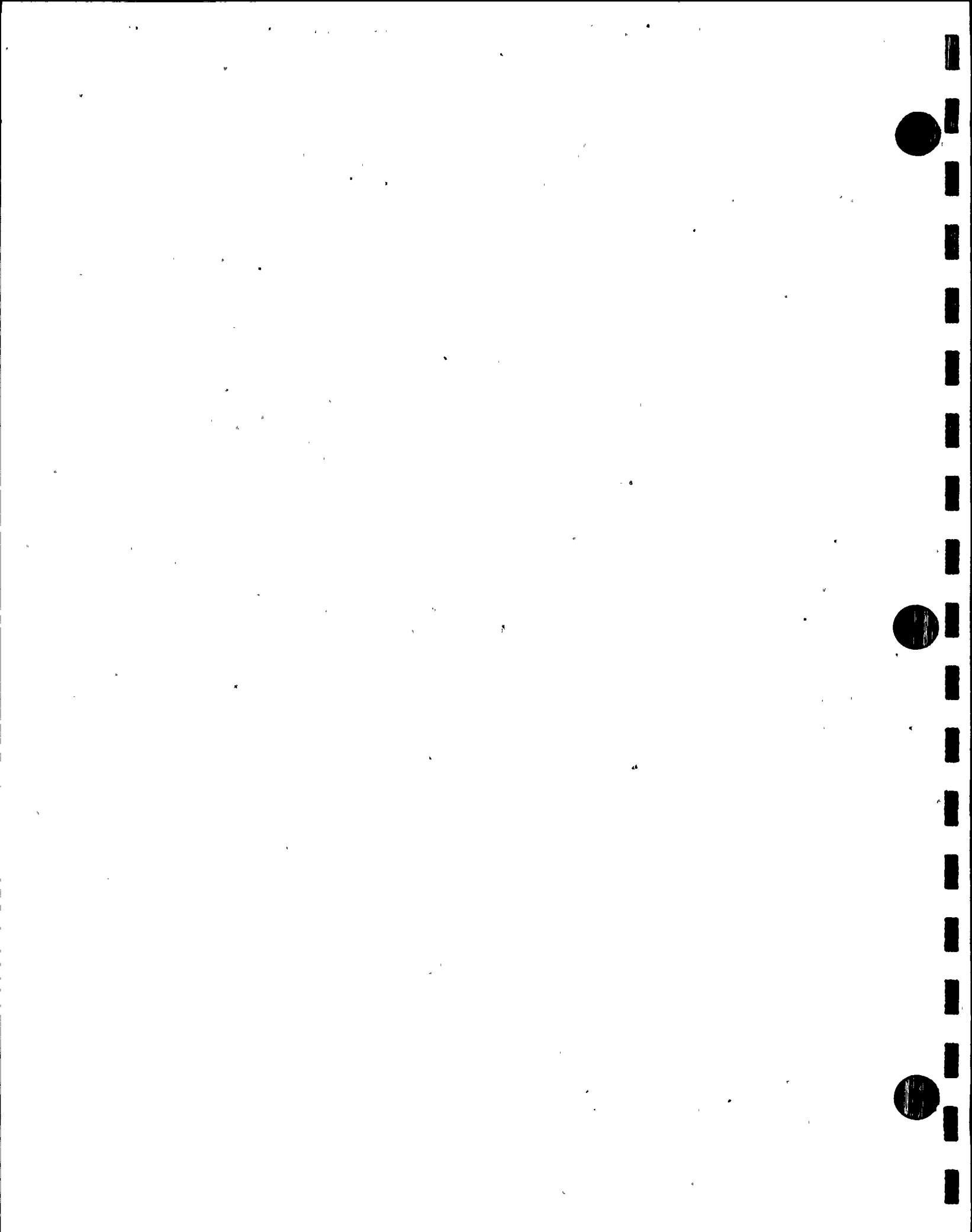
AMBIENT PRESS - 14.593

VAPOR PRESS - .2193499

DRY PRESSURE - 50.44165

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD NUMBER - 197

DATE - 016

TIME - 18: 0: 0

## PRESSURES

|       |   |          |       |   |          |
|-------|---|----------|-------|---|----------|
| 1     | - | 50.66500 | 2     | - | 50.65600 |
| INACT | - | 0.00000  | INACT | - | 0.00000  |
| INACT | - | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.66050

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.710 | 2     | 66.776 | 3     | 66.590 | 4     | 66.753 |
| 5     | 67.219 | 6     | 66.667 | 7     | 68.629 | 8     | 67.774 |
| 9     | 67.934 | 10    | 67.880 | 11    | 68.769 | 12    | 68.737 |
| 13    | 69.821 | 14    | 69.996 | 15    | 70.319 | 16    | 69.941 |
| 17    | 70.113 | 18    | 70.102 | 19    | 70.374 | 20    | 69.984 |
| 21    | 69.529 | 22    | 70.104 | 23    | 69.844 | 24    | 69.867 |
| INACT | 51.719 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.428

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 55.853 | INACT | 61.211 | INACT | 55.776 | 4     | 56.230 |
| INACT | 55.945 | 6     | 55.659 | INACT | 55.123 | 8     | 55.172 |
| 9     | 55.037 | INACT | 55.037 | 11    | 56.648 | INACT | 55.307 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 55.806

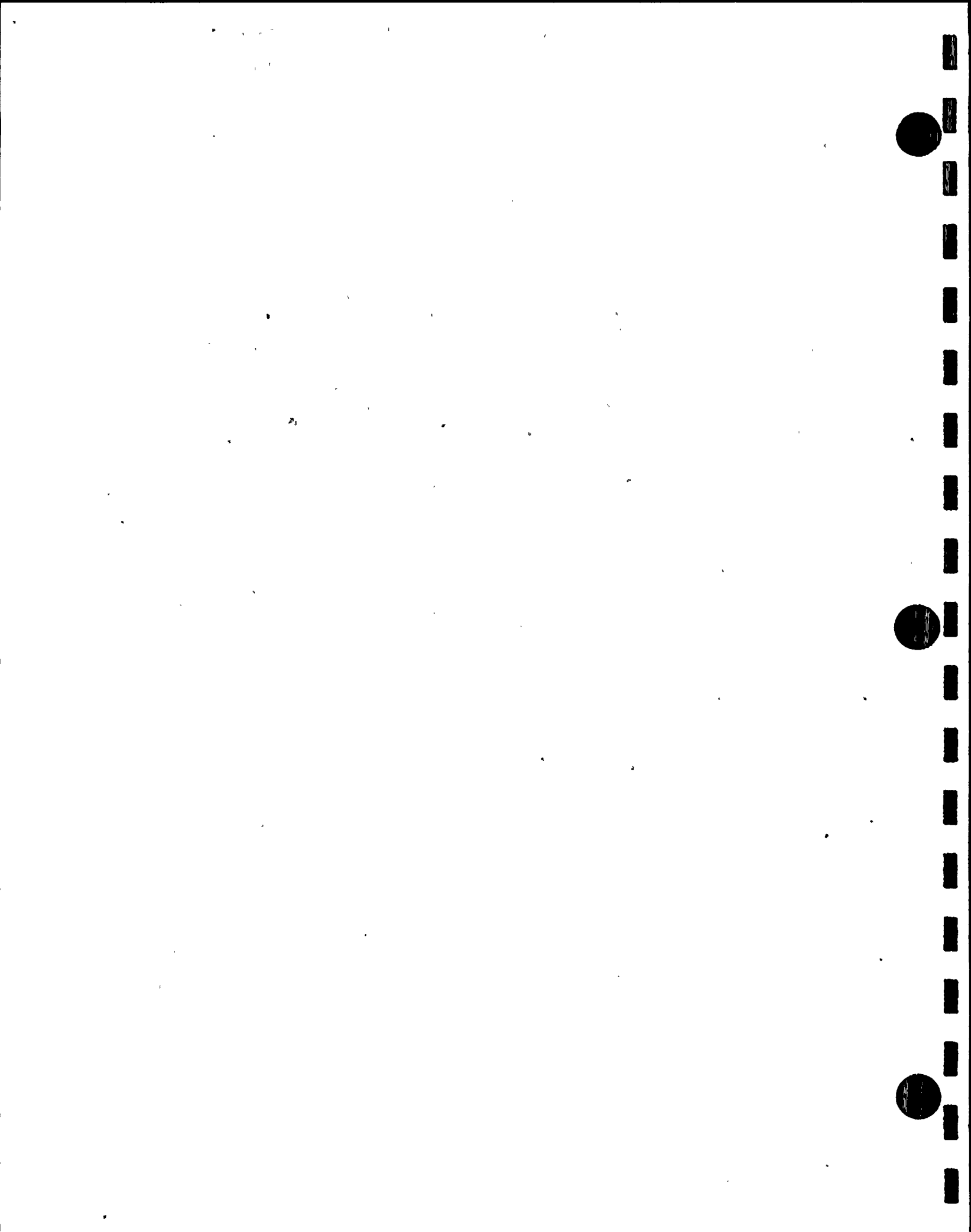
AMBIENT PRESS - 14.593

VAPOR PRESS - .2203294

DRY PRESSURE - 50.44017

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

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RECORD. NUMBER - 198

DATE - 016

TIME - 18:15: 0

## PRESSURES

|       |   |          |       |   |          |
|-------|---|----------|-------|---|----------|
| 1     | - | 50.66400 | 2     | - | 50.65500 |
| ET    | - | 0.00000  | INACT | - | 0.00000  |
| INACT | - | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.65950

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.699 | 2     | 66.776 | 3     | 66.590 | 4     | 66.744 |
| 5     | 67.253 | 6     | 66.690 | 7     | 68.629 | 8     | 67.783 |
| 9     | 67.957 | 10    | 67.871 | 11    | 68.758 | 12    | 68.726 |
| 13    | 69.821 | 14    | 69.930 | 15    | 70.319 | 16    | 69.919 |
| 17    | 70.113 | 18    | 70.102 | 19    | 70.385 | 20    | 69.984 |
| 21    | 69.529 | 22    | 70.018 | 23    | 69.833 | 24    | 69.867 |
| INACT | 51.450 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.417

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 55.898 | INACT | 61.197 | INACT | 55.793 | 4     | 56.256 |
| INACT | 55.863 | 6     | 55.667 | INACT | 55.085 | 8     | 55.123 |
| 9     | 54.940 | INACT | 55.085 | 11    | 56.099 | INACT | 55.037 |
| ET    | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 55.659

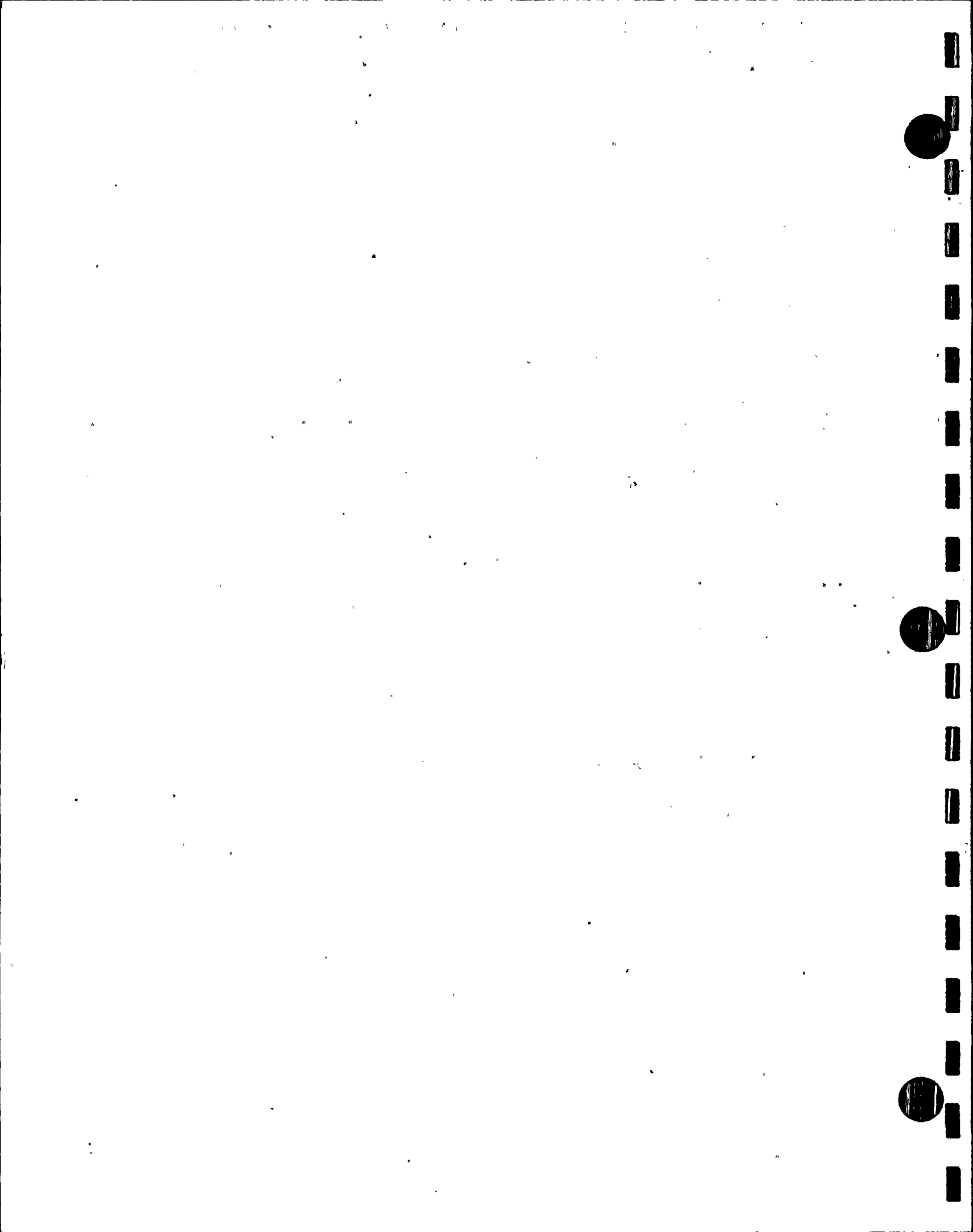
AMBIENT PRESS - 14.593

VAPOR PRESS - .2191594

DRY PRESSURE - 50.44034

FLOWS - 0 0

TOTAL FLOW 0





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## SENSOR LIST

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RECORD NUMBER - 199

DATE - 016

TIME - 18:30: 0

## PRESSURES

|       |   |          |       |   |          |
|-------|---|----------|-------|---|----------|
| 1     | - | 50.66300 | 2     | - | 50.65400 |
| INACT | - | 0.00000  | INACT | - | 0.00000  |
| INACT | - | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE

50.65850

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.699 | 2     | 66.776 | 3     | 66.590 | 4     | 66.744 |
| 5     | 67.231 | 6     | 66.667 | 7     | 68.629 | 8     | 67.783 |
| 9     | 67.946 | 10    | 67.871 | 11    | 68.758 | 12    | 68.737 |
| 13    | 69.810 | 14    | 69.950 | 15    | 70.319 | 16    | 69.919 |
| 17    | 70.102 | 18    | 70.102 | 19    | 70.353 | 20    | 69.996 |
| 21    | 69.520 | 22    | 70.039 | 23    | 69.824 | 24    | 69.812 |
| INACT | 50.423 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.412

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 55.841 | INACT | 59.253 | INACT | 55.779 | 4     | 56.230 |
| INACT | 56.053 | 6     | 55.678 | INACT | 55.027 | 8     | 55.114 |
| 9     | 54.930 | INACT | 54.979 | 11    | 56.321 | INACT | 55.075 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 55.699

AMBIENT PRESS - 14.593

VAPOR PRESS - .2194767

DRY PRESSURE - 50.43903

FLOWS - 0 0

TOTAL FLOW 0



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## SENSOR LIST

\*\*\*\*\*

RECORD NUMBER - 200

DATE - 016

TIME - 18:45: 0

## PRESSURES

|       |   |          |       |   |          |
|-------|---|----------|-------|---|----------|
| 1     | - | 50.66300 | 2     | - | 50.65400 |
| INACT | - | 0.00000  | INACT | - | 0.00000  |
| INACT | - | 0.00000  | INACT | - | 0.00000  |

AVG PRESSURE 50.65850

## RTD/S

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 66.706 | 2     | 66.783 | 3     | 66.620 | 4     | 66.760 |
| 5     | 67.269 | 6     | 66.685 | 7     | 68.636 | 8     | 67.801 |
| 9     | 67.941 | 10    | 67.878 | 11    | 68.776 | 12    | 68.744 |
| 13    | 69.828 | 14    | 69.957 | 15    | 70.283 | 16    | 69.946 |
| 17    | 70.120 | 18    | 70.097 | 19    | 70.326 | 20    | 69.991 |
| 21    | 69.516 | 22    | 70.025 | 23    | 69.840 | 24    | 69.851 |
| INACT | 50.829 | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |

AVG RTD 69.420

## DEW CELLS

|       |        |       |        |       |        |       |        |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 55.797 | INACT | 58.680 | INACT | 55.767 | 4     | 56.316 |
| INACT | 55.892 | 6     | 55.657 | INACT | 55.037 | 8     | 55.123 |
| 9     | 54.988 | INACT | 54.988 | 11    | 56.002 | INACT | 55.085 |
| INACT | 0.000  | INACT | 0.000  | INACT | 0.000  |       |        |

AVG DEW CELL 55.643

AMBIENT PRESS - 14.593

VAPOR PRESS - .2190304

DRY PRESSURE - 50.43947

FLOWS - 0 0

TOTAL FLOW 0



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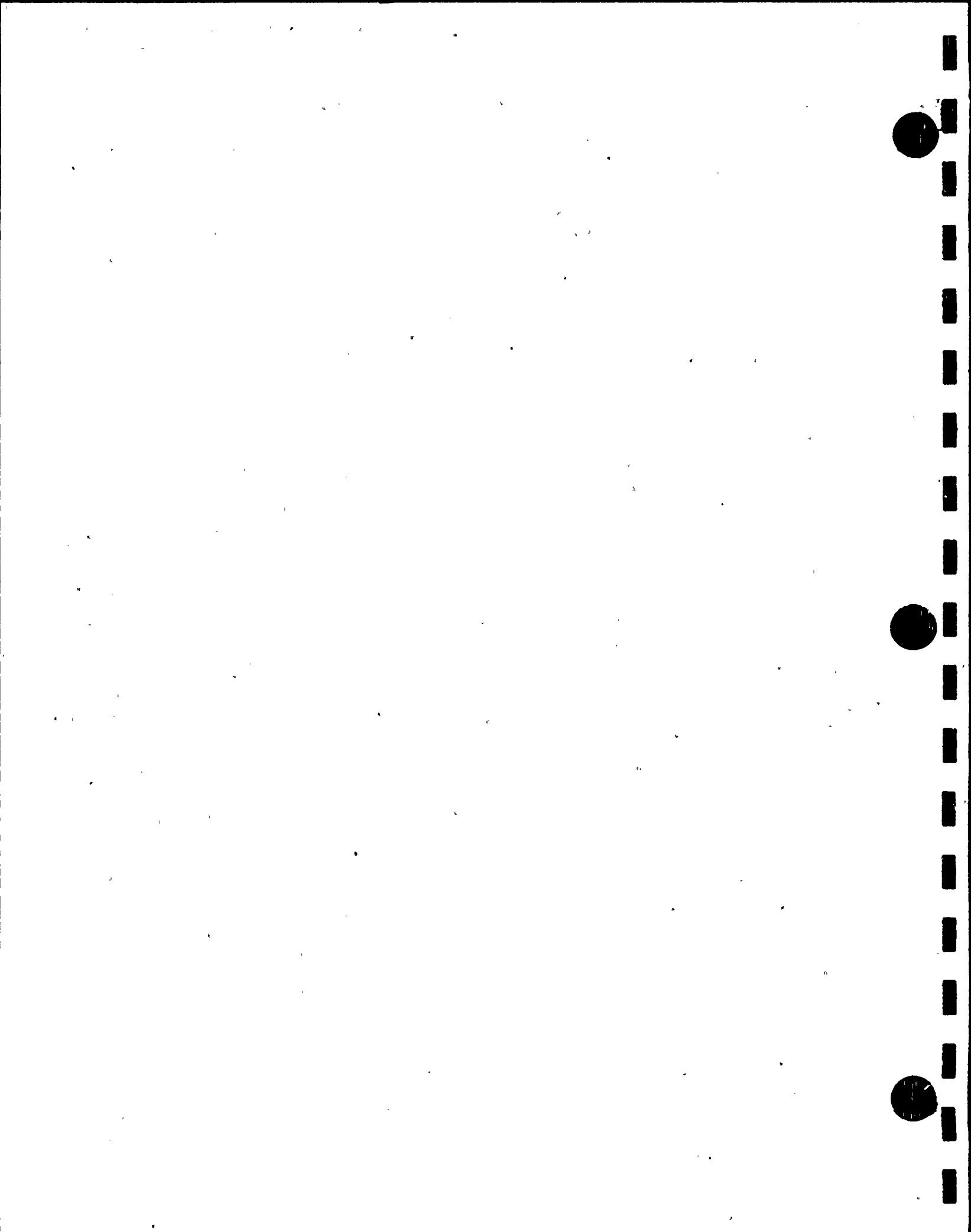
## ENVIRONMENT LISTING

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DATE - 07-10-1989

TIME - 17:13:21

| REC<br>M | DATE | TIME | TEMP    | VAPOR<br>PRESSURE | CORRECT.<br>PRESSURE | RELATIVE<br>HUMIDITY | AIR<br>DENSITY | PSIA/HR<br>VARIANCE |
|----------|------|------|---------|-------------------|----------------------|----------------------|----------------|---------------------|
|          | 15   | 1845 | 530.832 | 0.2371            | 50.6254              | 62.78                | 0.2574         | 0.00000             |
| 105      | 15   | 1900 | 530.720 | 0.2361            | 50.6179              | 62.74                | 0.2574         | -0.02988            |
| 106      | 15   | 1915 | 530.654 | 0.2359            | 50.6101              | 62.85                | 0.2574         | -0.03149            |
| 107      | 15   | 1930 | 530.589 | 0.2363            | 50.6022              | 63.08                | 0.2574         | -0.03131            |
| 108      | 15   | 1945 | 530.512 | 0.2358            | 50.5952              | 63.12                | 0.2574         | -0.02815            |
| 109      | 15   | 2000 | 530.434 | 0.2347            | 50.5898              | 62.99                | 0.2574         | -0.02159            |
| 110      | 15   | 2015 | 530.418 | 0.2347            | 50.5828              | 63.01                | 0.2574         | -0.02780            |
| 111      | 15   | 2030 | 530.314 | 0.2344            | 50.5771              | 63.15                | 0.2574         | -0.02281            |
| 112      | 15   | 2045 | 530.274 | 0.2333            | 50.5722              | 62.94                | 0.2574         | -0.01961            |
| 113      | 15   | 2100 | 530.214 | 0.2328            | 50.5667              | 62.94                | 0.2574         | -0.02199            |
| 114      | 15   | 2115 | 530.177 | 0.2332            | 50.5608              | 63.15                | 0.2574         | -0.02394            |
| 115      | 15   | 2130 | 530.120 | 0.2331            | 50.5554              | 63.24                | 0.2574         | -0.02156            |
| 116      | 15   | 2145 | 530.082 | 0.2316            | 50.5519              | 62.90                | 0.2574         | -0.01385            |
| 117      | 15   | 2200 | 530.034 | 0.2319            | 50.5471              | 63.08                | 0.2574         | -0.01909            |
| 118      | 15   | 2215 | 529.998 | 0.2318            | 50.5427              | 63.14                | 0.2574         | -0.01779            |
| 119      | 15   | 2230 | 529.940 | 0.2319            | 50.5386              | 63.30                | 0.2574         | -0.01643            |
| 120      | 15   | 2245 | 529.917 | 0.2317            | 50.5348              | 63.28                | 0.2574         | -0.01505            |
| 121      | 15   | 2300 | 529.881 | 0.2309            | 50.5321              | 63.14                | 0.2574         | -0.01082            |
| 122      | 15   | 2315 | 529.847 | 0.2306            | 50.5284              | 63.13                | 0.2574         | -0.01469            |
| 123      | 15   | 2330 | 529.813 | 0.2303            | 50.5252              | 63.14                | 0.2574         | -0.01311            |
| 124      | 15   | 2345 | 529.776 | 0.2301            | 50.5224              | 63.14                | 0.2574         | -0.01085            |
| 126      | 16   | 15   | 529.745 | 0.2297            | 50.5168              | 63.11                | 0.2574         | -0.00951            |
| 127      | 16   | 30   | 529.716 | 0.2296            | 50.5139              | 63.14                | 0.2574         | -0.01154            |
| 128      | 16   | 45   | 529.687 | 0.2294            | 50.5116              | 63.16                | 0.2574         | -0.00946            |
| 129      | 16   | 100  | 529.665 | 0.2282            | 50.5103              | 62.87                | 0.2574         | -0.00508            |
| 130      | 16   | 115  | 529.654 | 0.2290            | 50.5065              | 63.13                | 0.2574         | -0.01530            |
| 131      | 16   | 130  | 529.642 | 0.2275            | 50.5060              | 62.73                | 0.2574         | -0.00185            |
| 132      | 16   | 145  | 529.606 | 0.2282            | 50.5028              | 63.00                | 0.2574         | -0.01280            |
| 133      | 16   | 200  | 529.622 | 0.2289            | 50.5001              | 63.16                | 0.2574         | -0.01091            |
| 134      | 16   | 215  | 529.598 | 0.2270            | 50.5005              | 62.69                | 0.2574         | 0.00169             |
| 135      | 16   | 230  | 529.567 | 0.2278            | 50.4977              | 62.95                | 0.2574         | -0.01096            |
| 136      | 16   | 245  | 529.549 | 0.2268            | 50.4967              | 62.74                | 0.2574         | -0.00430            |
| 137      | 16   | 300  | 529.526 | 0.2274            | 50.4946              | 62.93                | 0.2574         | -0.00812            |
| 138      | 16   | 315  | 529.526 | 0.2262            | 50.4938              | 62.60                | 0.2574         | -0.00320            |
| 139      | 16   | 330  | 529.517 | 0.2269            | 50.4911              | 62.82                | 0.2574         | -0.01082            |
| 140      | 16   | 345  | 529.505 | 0.2257            | 50.4913              | 62.52                | 0.2574         | 0.00066             |
| 141      | 16   | 400  | 529.484 | 0.2266            | 50.4884              | 62.82                | 0.2574         | -0.01175            |
| 142      | 16   | 415  | 529.477 | 0.2262            | 50.4873              | 62.72                | 0.2574         | -0.00435            |
| 143      | 16   | 430  | 529.500 | 0.2263            | 50.4862              | 62.69                | 0.2574         | -0.00421            |
| 144      | 16   | 445  | 529.465 | 0.2252            | 50.4853              | 62.46                | 0.2574         | -0.00352            |
| 145      | 16   | 500  | 529.465 | 0.2254            | 50.4841              | 62.53                | 0.2574         | -0.00510            |
| 146      | 16   | 515  | 529.424 | 0.2253            | 50.4827              | 62.58                | 0.2574         | -0.00543            |
| 147      | 16   | 530  | 529.411 | 0.2244            | 50.4821              | 62.37                | 0.2574         | -0.00258            |
| 148      | 16   | 545  | 529.434 | 0.2256            | 50.4799              | 62.64                | 0.2574         | -0.00858            |
| 149      | 16   | 600  | 529.415 | 0.2244            | 50.4801              | 62.35                | 0.2574         | 0.00073             |
| 150      | 16   | 615  | 529.391 | 0.2238            | 50.4797              | 62.24                | 0.2574         | -0.00171            |
| 151      | 16   | 630  | 529.404 | 0.2250            | 50.4765              | 62.54                | 0.2574         | -0.01274            |
| 152      | 16   | 645  | 529.405 | 0.2248            | 50.4757              | 62.49                | 0.2573         | -0.00331            |
| 153      | 16   | 700  | 529.381 | 0.2237            | 50.4758              | 62.24                | 0.2574         | 0.00041             |
| 154      | 16   | 715  | 529.379 | 0.2236            | 50.4749              | 62.21                | 0.2574         | -0.00351            |



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## ENVIRONMENT LISTING

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DATE - 07-10-1989

TIME - 17:13:33

| REC<br>NUM | DATE | TIME | TEMP    | VAPOR<br>PRESSURE | CORRECT.<br>PRESSURE | RELATIVE<br>HUMIDITY | AIR<br>DENSITY | PSIA/HR<br>VARIANCE |
|------------|------|------|---------|-------------------|----------------------|----------------------|----------------|---------------------|
| 156        | 16   | 730  | 529.355 | 0.2233            | 50.4742              | 62.18                | 0.2574         | -0.00290            |
| 157        | 16   | 745  | 529.349 | 0.2236            | 50.4724              | 62.27                | 0.2574         | -0.00705            |
| 158        | 16   | 800  | 529.376 | 0.2229            | 50.4721              | 62.00                | 0.2573         | -0.00102            |
| 159        | 16   | 815  | 529.343 | 0.2230            | 50.4710              | 62.10                | 0.2574         | -0.00441            |
| 160        | 16   | 830  | 529.339 | 0.2232            | 50.4703              | 62.18                | 0.2574         | -0.00296            |
| 161        | 16   | 845  | 529.320 | 0.2234            | 50.4691              | 62.28                | 0.2574         | -0.00490            |
| 162        | 16   | 900  | 529.304 | 0.2234            | 50.4681              | 62.30                | 0.2574         | -0.00374            |
| 163        | 16   | 915  | 529.313 | 0.2228            | 50.4677              | 62.11                | 0.2574         | -0.00168            |
| 164        | 16   | 930  | 529.303 | 0.2231            | 50.4664              | 62.23                | 0.2574         | -0.00539            |
| 165        | 16   | 945  | 529.327 | 0.2225            | 50.4660              | 62.01                | 0.2573         | -0.00151            |
| 166        | 16   | 1000 | 529.334 | 0.2225            | 50.4655              | 62.01                | 0.2573         | -0.00215            |
| 167        | 16   | 1015 | 529.313 | 0.2230            | 50.4645              | 62.17                | 0.2573         | -0.00368            |
| 168        | 16   | 1030 | 529.285 | 0.2226            | 50.4639              | 62.12                | 0.2573         | -0.00244            |
| 169        | 16   | 1045 | 529.291 | 0.2221            | 50.4634              | 61.98                | 0.2573         | -0.00226            |
| 170        | 16   | 1100 | 529.293 | 0.2225            | 50.4620              | 62.08                | 0.2573         | -0.00537            |
| 171        | 16   | 1115 | 529.270 | 0.2222            | 50.4618              | 62.04                | 0.2573         | -0.00079            |
| 172        | 16   | 1130 | 529.268 | 0.2218            | 50.4612              | 61.94                | 0.2573         | -0.00261            |
| 173        | 16   | 1145 | 529.270 | 0.2223            | 50.4602              | 62.08                | 0.2573         | -0.00391            |
| 174        | 16   | 1200 | 529.277 | 0.2207            | 50.4613              | 61.63                | 0.2573         | 0.00420             |
| 175        | 16   | 1215 | 529.260 | 0.2213            | 50.4597              | 61.82                | 0.2573         | -0.00627            |
| 176        | 16   | 1230 | 529.268 | 0.2216            | 50.4584              | 61.87                | 0.2573         | -0.00494            |
| 177        | 16   | 1245 | 529.247 | 0.2208            | 50.4587              | 61.72                | 0.2573         | 0.00084             |
| 178        | 16   | 1300 | 529.237 | 0.2217            | 50.4568              | 61.98                | 0.2573         | -0.00752            |
| 179        | 16   | 1315 | 529.250 | 0.2201            | 50.4579              | 61.49                | 0.2573         | 0.00461             |
| 180        | 16   | 1330 | 529.249 | 0.2211            | 50.4559              | 61.77                | 0.2573         | -0.00795            |
| 181        | 16   | 1345 | 529.249 | 0.2206            | 50.4554              | 61.65                | 0.2573         | -0.00224            |
| 182        | 16   | 1400 | 529.226 | 0.2214            | 50.4536              | 61.91                | 0.2573         | -0.00706            |
| 183        | 16   | 1415 | 529.228 | 0.2205            | 50.4540              | 61.65                | 0.2573         | 0.00168             |
| 184        | 16   | 1430 | 529.229 | 0.2208            | 50.4527              | 61.74                | 0.2573         | -0.00536            |
| 185        | 16   | 1445 | 529.241 | 0.2209            | 50.4521              | 61.75                | 0.2573         | -0.00238            |
| 186        | 16   | 1500 | 529.204 | 0.2207            | 50.4518              | 61.75                | 0.2573         | -0.00101            |
| 187        | 16   | 1515 | 529.203 | 0.2204            | 50.4511              | 61.69                | 0.2573         | -0.00310            |
| 188        | 16   | 1530 | 529.194 | 0.2202            | 50.4503              | 61.64                | 0.2573         | -0.00291            |
| 189        | 16   | 1545 | 529.176 | 0.2199            | 50.4491              | 61.59                | 0.2573         | -0.00485            |
| 190        | 16   | 1600 | 529.145 | 0.2205            | 50.4470              | 61.84                | 0.2573         | -0.00864            |
| 191        | 16   | 1615 | 529.144 | 0.2204            | 50.4461              | 61.80                | 0.2573         | -0.00336            |
| 192        | 16   | 1630 | 529.132 | 0.2200            | 50.4455              | 61.72                | 0.2573         | -0.00247            |
| 193        | 16   | 1645 | 529.125 | 0.2196            | 50.4449              | 61.64                | 0.2573         | -0.00261            |
| 194        | 16   | 1700 | 529.119 | 0.2196            | 50.4439              | 61.65                | 0.2573         | -0.00395            |
| 195        | 16   | 1715 | 529.120 | 0.2198            | 50.4427              | 61.69                | 0.2573         | -0.00471            |
| 196        | 16   | 1730 | 529.115 | 0.2198            | 50.4417              | 61.69                | 0.2573         | -0.00385            |
| 197        | 16   | 1745 | 529.106 | 0.2193            | 50.4417              | 61.59                | 0.2573         | -0.00034            |
| 198        | 16   | 1800 | 529.098 | 0.2203            | 50.4402              | 61.89                | 0.2573         | -0.00592            |
| 199        | 16   | 1815 | 529.087 | 0.2192            | 50.4403              | 61.58                | 0.2573         | 0.00069             |
| 200        | 16   | 1830 | 529.082 | 0.2195            | 50.4390              | 61.68                | 0.2573         | -0.00526            |
|            | 16   | 1845 | 529.090 | 0.2190            | 50.4395              | 61.54                | 0.2573         | 0.00177             |





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MASS LOSS

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DATE - 07-10-1989

TIME - 17:14:07

| REC<br>NUM | TIME<br>DELTA<br>(HOURS) | CONT<br>AIR<br>MASS | MASS<br>LOSS<br>INCR | MASS<br>LOSS<br>(1 HR) | MASS<br>LOSS<br>(x 24) |
|------------|--------------------------|---------------------|----------------------|------------------------|------------------------|
| 104        | 0.00                     | 249695.781          | 0.000                | 0.000                  | 0.000                  |
| 105        | 0.25                     | 249711.578          | 15.797               | 0.000                  | 0.000                  |
| 106        | 0.50                     | 249703.656          | -7.922               | 0.000                  | 0.000                  |
| 107        | 0.75                     | 249695.797          | -7.859               | 0.000                  | 0.000                  |
| 108        | 1.00                     | 249697.172          | 1.375                | -1.391                 | -33.375                |
| 109        | 1.25                     | 249707.344          | 10.172               | 4.234                  | 101.625                |
| 110        | 1.50                     | 249680.594          | -26.750              | 23.063                 | 553.500                |
| 111        | 1.75                     | 249701.484          | 20.891               | -5.688                 | -136.500               |
| 112        | 2.00                     | 249695.828          | -5.656               | 1.344                  | 32.250                 |
| 113        | 2.25                     | 249697.219          | 1.391                | 10.125                 | 243.000                |
| 114        | 2.50                     | 249685.172          | -12.047              | -4.578                 | -109.875               |
| 115        | 2.75                     | 249685.484          | 0.313                | 16.000                 | 384.000                |
| 116        | 3.00                     | 249686.031          | 0.547                | 9.797                  | 235.125                |
| 117        | 3.25                     | 249685.109          | -0.922               | 12.109                 | 290.625                |
| 118        | 3.50                     | 249679.984          | -5.125               | 5.188                  | 124.500                |
| 119        | 3.75                     | 249687.063          | 7.078                | -1.578                 | -37.875                |
| 120        | 4.00                     | 249679.125          | -7.938               | 6.906                  | 165.750                |
| 121        | 4.25                     | 249683.078          | 3.953                | 2.031                  | 48.750                 |
| 122        | 4.50                     | 249680.719          | -2.359               | -0.734                 | -17.625                |
| 123        | 4.75                     | 249680.891          | 0.172                | 6.172                  | 148.125                |
| 124        | 5.00                     | 249684.891          | 4.000                | -5.766                 | -138.375               |
| 125        | 5.25                     | 249676.125          | -8.766               | 6.953                  | 166.875                |
| 126        | 5.50                     | 249671.156          | -4.969               | 9.563                  | 229.500                |
| 127        | 5.75                     | 249670.609          | -0.547               | 10.281                 | 246.750                |
| 128        | 6.00                     | 249672.578          | 1.969                | 12.313                 | 295.500                |
| 129        | 6.25                     | 249676.734          | 4.156                | -0.609                 | -14.625                |
| 130        | 6.50                     | 249663.266          | -13.469              | 7.891                  | 189.375                |
| 131        | 6.75                     | 249666.531          | 3.266                | 4.078                  | 97.875                 |
| 132        | 7.00                     | 249667.828          | 1.297                | 4.750                  | 114.000                |
| 133        | 7.25                     | 249646.531          | -21.297              | 30.203                 | 724.875                |
| 134        | 7.50                     | 249660.156          | 13.625               | 3.109                  | 74.625                 |
| 135        | 7.75                     | 249660.922          | 0.766                | 5.609                  | 134.625                |
| 136        | 8.00                     | 249664.063          | 3.141                | 3.766                  | 90.375                 |
| 137        | 8.25                     | 249665.281          | 1.219                | -18.750                | -450.000               |
| 138        | 8.50                     | 249660.906          | -4.375               | -0.750                 | -18.000                |
| 139        | 8.75                     | 249651.891          | -9.016               | 9.031                  | 216.750                |
| 140        | 9.00                     | 249658.688          | 6.797                | 5.375                  | 129.000                |
| 141        | 9.25                     | 249653.734          | -4.953               | 11.547                 | 277.125                |
| 142        | 9.50                     | 249651.563          | -2.172               | 9.344                  | 224.250                |
| 143        | 9.75                     | 249635.844          | -15.719              | 16.047                 | 385.125                |
| 144        | 10.00                    | 249647.750          | 11.906               | 10.938                 | 262.500                |
| 145        | 10.25                    | 249641.766          | -5.984               | 11.969                 | 287.250                |
| 146        | 10.50                    | 249654.297          | 12.531               | -2.734                 | -65.625                |
| 147        | 10.75                    | 249657.359          | 3.063                | -21.516                | -516.375               |
| 148        | 11.00                    | 249635.906          | -21.453              | 11.844                 | 284.250                |
| 149        | 11.25                    | 249645.734          | 9.828                | -3.969                 | -95.250                |
| 150        | 11.50                    | 249654.531          | 8.797                | -0.234                 | -5.625                 |
| 151        | 11.75                    | 249632.734          | -21.797              | 24.625                 | 591.000                |
| 152        | 12.00                    | 249628.438          | -4.297               | 7.469                  | 179.250                |
| 153        | 12.25                    | 249639.938          | 11.500               | 5.797                  | 139.125                |



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## MASS LOSS

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DATE - 07-10-1989

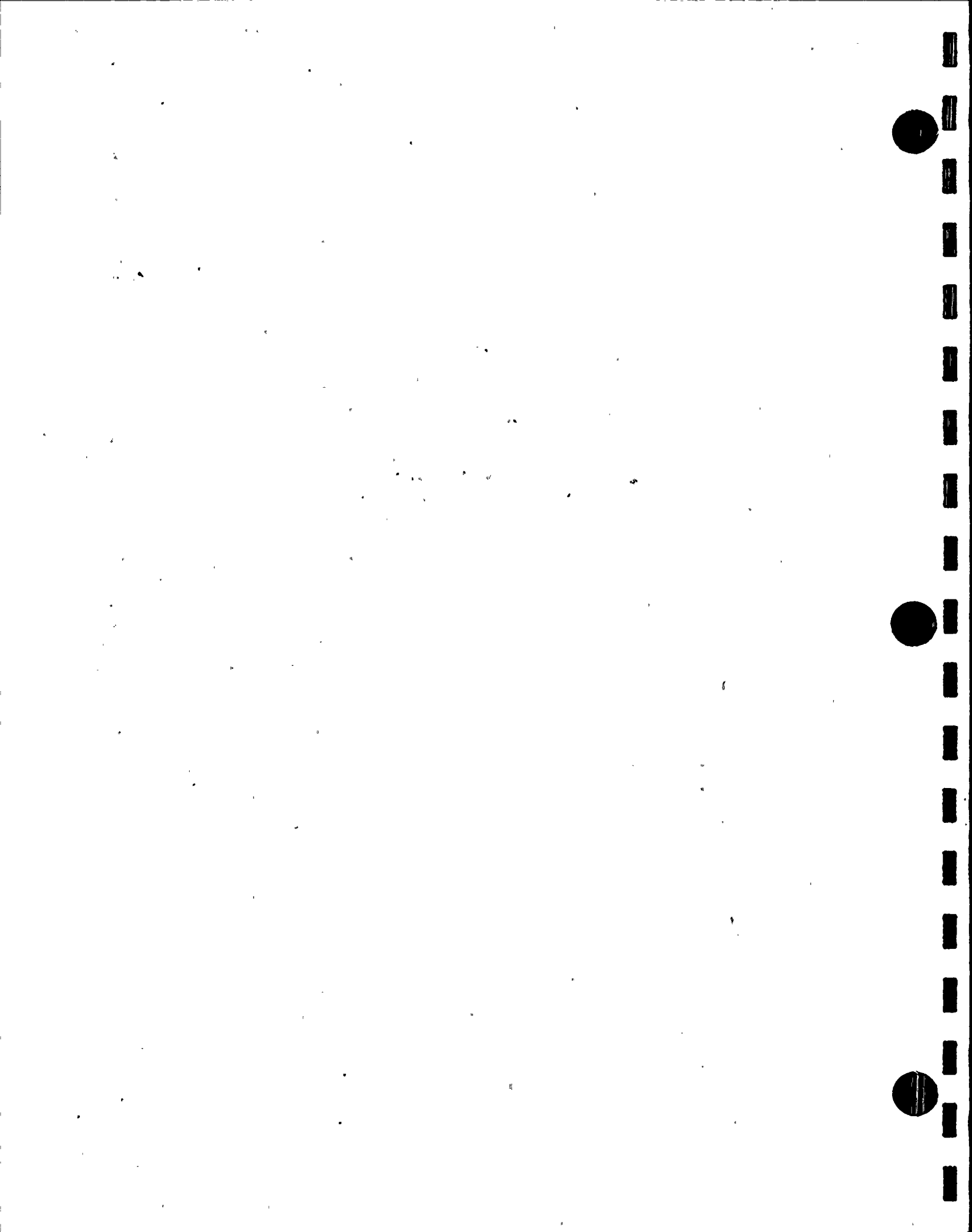
TIME - 17:14:13

| REC<br>NUM | TIME<br>DELTA<br>(HOURS) | CONT<br>AIR<br>MASS | MASS<br>LOSS<br>INCR | MASS<br>LOSS<br>(1 HR) | MASS<br>LOSS<br>(x 24) |
|------------|--------------------------|---------------------|----------------------|------------------------|------------------------|
| 154        | 12.50                    | 249636.781          | -3.156               | 17.750                 | 426.000                |
| 155        | 12.75                    | 249644.313          | 7.531                | -11.578                | -277.875               |
| 156        | 13.00                    | 249638.406          | -5.906               | -9.969                 | -239.250               |
| 157        | 13.25                    | 249624.375          | -14.031              | 15.563                 | 373.500                |
| 158        | 13.50                    | 249634.750          | 10.375               | 2.031                  | 48.750                 |
| 159        | 13.75                    | 249633.125          | -1.625               | 11.188                 | 268.500                |
| 160        | 14.00                    | 249636.000          | 2.875                | 2.406                  | 57.750                 |
| 161        | 14.25                    | 249638.750          | 2.750                | -14.375                | -345.000               |
| 162        | 14.50                    | 249632.297          | -6.453               | 2.453                  | 58.875                 |
| 163        | 14.75                    | 249630.266          | -2.031               | 2.859                  | 68.625                 |
| 164        | 15.00                    | 249617.266          | -13.000              | 18.734                 | 449.625                |
| 165        | 15.25                    | 249611.406          | -5.859               | 27.344                 | 656.250                |
| 166        | 15.50                    | 249616.875          | 5.469                | 15.422                 | 370.125                |
| 167        | 15.75                    | 249626.828          | 9.953                | 3.438                  | 82.500                 |
| 168        | 16.00                    | 249621.156          | -5.672               | -3.891                 | -93.375                |
| 169        | 16.25                    | 249613.859          | -7.297               | -2.453                 | -58.875                |
| 170        | 16.50                    | 249623.391          | 9.531                | -6.516                 | -156.375               |
| 171        | 16.75                    | 249621.016          | -2.375               | 5.813                  | 139.500                |
| 172        | 17.00                    | 249615.594          | -5.422               | 5.563                  | 133.500                |
| 173        | 17.25                    | 249617.406          | 1.813                | -3.547                 | -85.125                |
| 174        | 17.50                    | 249617.453          | 0.047                | 5.938                  | 142.500                |
| 175        | 17.75                    | 249607.688          | -9.766               | 13.328                 | 319.875                |
| 176        | 18.00                    | 249618.797          | 11.109               | -3.203                 | -76.875                |
| 177        | 18.25                    | 249614.016          | -4.781               | 3.391                  | 81.375                 |
| 178        | 18.50                    | 249613.578          | -0.438               | 3.875                  | 93.000                 |
| 179        | 18.75                    | 249604.297          | -9.281               | 3.391                  | 81.375                 |
| 180        | 19.00                    | 249601.484          | -2.813               | 17.313                 | 415.500                |
| 181        | 19.25                    | 249603.547          | 2.063                | 10.469                 | 251.250                |
| 182        | 19.50                    | 249604.875          | 1.328                | 8.703                  | 208.875                |
| 183        | 19.75                    | 249597.703          | -7.172               | 6.594                  | 158.250                |
| 184        | 20.00                    | 249589.172          | -8.531               | 12.313                 | 295.500                |
| 185        | 20.25                    | 249605.063          | 15.891               | -1.516                 | -36.375                |
| 186        | 20.50                    | 249602.031          | -3.031               | 2.844                  | 68.250                 |
| 187        | 20.75                    | 249602.750          | 0.719                | -5.047                 | -121.125               |
| 188        | 21.00                    | 249605.156          | 2.406                | -15.984                | -383.625               |
| 189        | 21.25                    | 249609.188          | 4.031                | -4.125                 | -99.000                |
| 190        | 21.50                    | 249605.438          | -3.750               | -3.406                 | -81.750                |
| 191        | 21.75                    | 249608.047          | 2.609                | -5.297                 | -127.125               |
| 192        | 22.00                    | 249608.125          | 0.078                | -2.969                 | -71.250                |
| 193        | 22.25                    | 249605.969          | -2.156               | 3.219                  | 77.250                 |
| 194        | 22.50                    | 249599.516          | -6.453               | 5.922                  | 142.125                |
| 195        | 22.75                    | 249597.078          | -2.438               | 10.969                 | 263.250                |
| 196        | 23.00                    | 249600.844          | 3.766                | 7.281                  | 174.750                |
| 197        | 23.25                    | 249597.609          | -3.234               | 8.359                  | 200.625                |
| 198        | 23.50                    | 249603.750          | 6.141                | -4.234                 | -101.625               |
| 199        | 23.75                    | 249599.484          | -4.266               | -2.406                 | -57.750                |
| 200        | 24.00                    | 249598.016          | -1.469               | 2.828                  | 67.875                 |



**APPENDIX D**  
**TYPE A CALCULATIONS**

**Mass Point Analysis**  
**Total Time Analysis**



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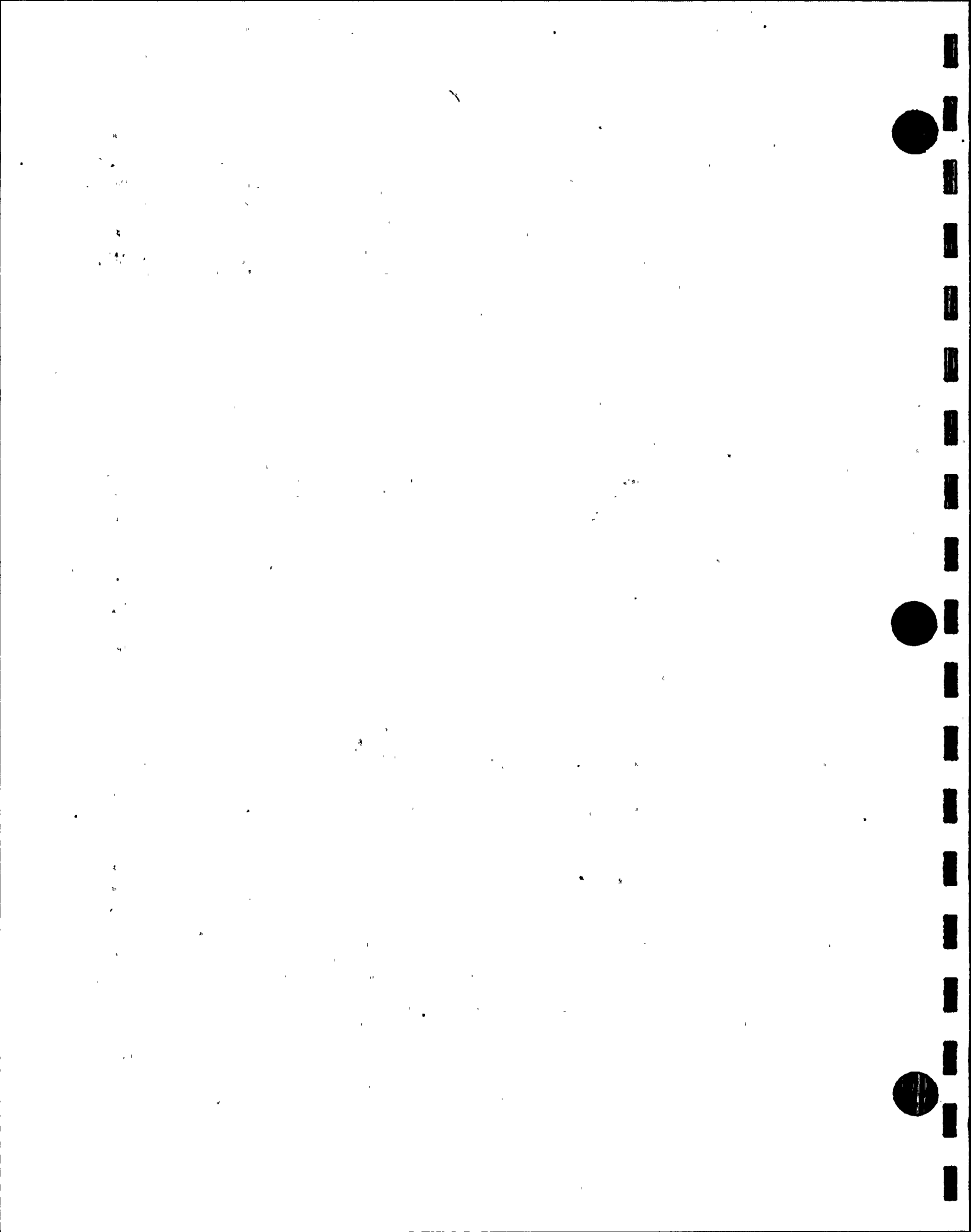
MASS POINT

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DATE - 07-10-1989

TIME - 17:15:22

|      | TEMP    | VAPOR<br>PRESS | DEW<br>POINT | CORR.<br>AIR<br>PRESS | CONT<br>AIR<br>MASS | LSF<br>LEAK<br>RATE | UPPER<br>CONF<br>LEVEL |
|------|---------|----------------|--------------|-----------------------|---------------------|---------------------|------------------------|
| 1845 | 530.832 | 0.2371         | 57.838       | 50.625                | 249695.78           | 0.00000             | 0.00000                |
| 1900 | 530.720 | 0.2361         | 57.716       | 50.618                | 249711.58           | 0.00000             | 0.00000                |
| 1915 | 530.654 | 0.2359         | 57.701       | 50.610                | 249703.66           | -0.15138            | 0.00000                |
| 1930 | 530.589 | 0.2363         | 57.740       | 50.602                | 249695.80           | 0.03028             | 0.49416                |
| 1945 | 530.512 | 0.2358         | 57.685       | 50.595                | 249697.17           | 0.04998             | 0.26598                |
| 2000 | 530.434 | 0.2347         | 57.555       | 50.590                | 249707.34           | -0.00740            | 0.13882                |
| 2015 | 530.418 | 0.2347         | 57.549       | 50.583                | 249680.59           | 0.08309             | 0.22673                |
| 2030 | 530.314 | 0.2344         | 57.514       | 50.577                | 249701.48           | 0.04694             | 0.15787                |
| 2045 | 530.274 | 0.2333         | 57.384       | 50.572                | 249695.83           | 0.04144             | 0.12543                |
| 2100 | 530.214 | 0.2328         | 57.324       | 50.567                | 249697.22           | 0.03346             | 0.09978                |
| 2115 | 530.177 | 0.2332         | 57.381       | 50.561                | 249685.17           | 0.04864             | 0.10438                |
| 2130 | 530.120 | 0.2331         | 57.368       | 50.555                | 249685.48           | 0.05507             | 0.10141                |
| 2145 | 530.082 | 0.2316         | 57.185       | 50.552                | 249686.03           | 0.05644             | 0.09528                |
| 2200 | 530.034 | 0.2319         | 57.217       | 50.547                | 249685.11           | 0.05670             | 0.08971                |
| 2215 | 529.998 | 0.2318         | 57.211       | 50.543                | 249679.98           | 0.06038             | 0.08904                |
| 2230 | 529.940 | 0.2319         | 57.224       | 50.539                | 249687.06           | 0.05551             | 0.08092                |
| 2245 | 529.917 | 0.2317         | 57.196       | 50.535                | 249679.13           | 0.05706             | 0.07942                |
| 2300 | 529.881 | 0.2309         | 57.100       | 50.532                | 249683.08           | 0.05448             | 0.07444                |
| 2315 | 529.847 | 0.2306         | 57.061       | 50.528                | 249680.72           | 0.05321             | 0.07104                |
| 2330 | 529.813 | 0.2303         | 57.034       | 50.525                | 249680.89           | 0.05143             | 0.06752                |
| 2345 | 529.776 | 0.2301         | 57.000       | 50.522                | 249684.89           | 0.04744             | 0.06249                |
| 0    | 529.760 | 0.2303         | 57.032       | 50.519                | 249676.13           | 0.04788             | 0.06153                |
| 15   | 529.745 | 0.2297         | 56.957       | 50.517                | 249671.16           | 0.04978             | 0.06235                |
| 30   | 529.716 | 0.2296         | 56.943       | 50.514                | 249670.61           | 0.05094             | 0.06250                |
| 45   | 529.687 | 0.2294         | 56.926       | 50.512                | 249672.58           | 0.05069             | 0.06130                |
| 60   | 529.665 | 0.2282         | 56.778       | 50.510                | 249676.73           | 0.04868             | 0.05866                |
| 75   | 529.654 | 0.2290         | 56.878       | 50.506                | 249663.27           | 0.05082             | 0.06028                |
| 90   | 529.642 | 0.2275         | 56.691       | 50.506                | 249666.53           | 0.05122             | 0.06000                |
| 105  | 529.606 | 0.2282         | 56.777       | 50.503                | 249667.83           | 0.05085             | 0.05902                |
| 120  | 529.622 | 0.2289         | 56.864       | 50.500                | 249646.53           | 0.05550             | 0.06438                |
| 135  | 529.598 | 0.2270         | 56.631       | 50.500                | 249660.16           | 0.05581             | 0.06411                |
| 150  | 529.567 | 0.2278         | 56.721       | 50.498                | 249660.92           | 0.05558             | 0.06335                |
| 165  | 529.549 | 0.2268         | 56.609       | 50.497                | 249664.06           | 0.05444             | 0.06182                |
| 180  | 529.526 | 0.2274         | 56.673       | 50.495                | 249665.28           | 0.05298             | 0.06007                |
| 195  | 529.526 | 0.2262         | 56.527       | 50.494                | 249660.91           | 0.05231             | 0.05902                |
| 210  | 529.517 | 0.2269         | 56.613       | 50.491                | 249651.89           | 0.05307             | 0.05944                |
| 225  | 529.505 | 0.2257         | 56.471       | 50.491                | 249658.69           | 0.05237             | 0.05843                |
| 240  | 529.484 | 0.2266         | 56.585       | 50.488                | 249653.73           | 0.05233             | 0.05807                |
| 255  | 529.477 | 0.2262         | 56.535       | 50.487                | 249651.56           | 0.05242             | 0.05786                |
| 270  | 529.500 | 0.2263         | 56.541       | 50.486                | 249635.84           | 0.05452             | 0.06007                |
| 285  | 529.465 | 0.2252         | 56.405       | 50.485                | 249647.75           | 0.05454             | 0.05981                |
| 300  | 529.465 | 0.2254         | 56.438       | 50.484                | 249641.77           | 0.05514             | 0.06019                |
| 315  | 529.424 | 0.2253         | 56.420       | 50.483                | 249654.30           | 0.05395             | 0.05891                |
| 330  | 529.411 | 0.2244         | 56.315       | 50.482                | 249657.36           | 0.05240             | 0.05736                |
| 345  | 529.434 | 0.2256         | 56.455       | 50.480                | 249635.91           | 0.05329             | 0.05811                |
| 360  | 529.415 | 0.2244         | 56.310       | 50.480                | 249645.73           | 0.05287             | 0.05749                |
| 375  | 529.391 | 0.2238         | 56.240       | 50.480                | 249654.53           | 0.05146             | 0.05609                |
| 390  | 529.404 | 0.2250         | 56.386       | 50.476                | 249632.73           | 0.05223             | 0.05672                |
| 405  | 529.405 | 0.2248         | 56.364       | 50.476                | 249628.44           | 0.05318             | 0.05759                |





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MASS POINT

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DATE - 07-10-1989

TIME - 17:15:27

|      | TEMP    | VAPOR<br>PRESS | DEW<br>POINT | CORR.<br>AIR<br>PRESS | CONT<br>AIR<br>MASS | LSF<br>LEAK<br>RATE | UPPER<br>CONF<br>LEVEL |
|------|---------|----------------|--------------|-----------------------|---------------------|---------------------|------------------------|
| 700  | 529.381 | 0.2237         | 56.229       | 50.476                | 249639.94           | 0.05286             | 0.05710                |
| 715  | 529.379 | 0.2236         | 56.214       | 50.475                | 249636.78           | 0.05273             | 0.05680                |
| 730  | 529.355 | 0.2233         | 56.180       | 50.474                | 249644.31           | 0.05187             | 0.05587                |
| 745  | 529.349 | 0.2236         | 56.212       | 50.472                | 249638.41           | 0.05147             | 0.05534                |
| 800  | 529.376 | 0.2229         | 56.120       | 50.472                | 249624.38           | 0.05210             | 0.05587                |
| 815  | 529.343 | 0.2230         | 56.133       | 50.471                | 249634.75           | 0.05178             | 0.05543                |
| 830  | 529.339 | 0.2232         | 56.162       | 50.470                | 249633.13           | 0.05152             | 0.05504                |
| 845  | 529.320 | 0.2234         | 56.190       | 50.469                | 249636.00           | 0.05098             | 0.05443                |
| 900  | 529.304 | 0.2234         | 56.182       | 50.468                | 249638.75           | 0.05023             | 0.05363                |
| 915  | 529.313 | 0.2228         | 56.110       | 50.468                | 249632.30           | 0.04989             | 0.05319                |
| 930  | 529.303 | 0.2231         | 56.153       | 50.466                | 249630.27           | 0.04963             | 0.05283                |
| 945  | 529.327 | 0.2225         | 56.076       | 50.466                | 249617.27           | 0.05010             | 0.05323                |
| 1000 | 529.334 | 0.2225         | 56.081       | 50.465                | 249611.41           | 0.05080             | 0.05390                |
| 1015 | 529.313 | 0.2230         | 56.132       | 50.465                | 249616.88           | 0.05105             | 0.05406                |
| 1030 | 529.285 | 0.2226         | 56.084       | 50.464                | 249626.83           | 0.05065             | 0.05359                |
| 1045 | 529.291 | 0.2221         | 56.030       | 50.463                | 249621.16           | 0.05052             | 0.05337                |
| 1100 | 529.293 | 0.2225         | 56.073       | 50.462                | 249613.86           | 0.05071             | 0.05348                |
| 1115 | 529.270 | 0.2222         | 56.035       | 50.462                | 249623.39           | 0.05034             | 0.05305                |
| 1130 | 529.268 | 0.2218         | 55.992       | 50.461                | 249621.02           | 0.05005             | 0.05269                |
| 1145 | 529.270 | 0.2223         | 56.052       | 50.460                | 249615.59           | 0.04998             | 0.05255                |
| 1200 | 529.277 | 0.2207         | 55.859       | 50.461                | 249617.41           | 0.04977             | 0.05228                |
| 1215 | 529.260 | 0.2213         | 55.929       | 50.460                | 249617.45           | 0.04952             | 0.05197                |
| 1230 | 529.268 | 0.2216         | 55.959       | 50.458                | 249607.69           | 0.04966             | 0.05204                |
| 1245 | 529.247 | 0.2208         | 55.870       | 50.459                | 249618.80           | 0.04927             | 0.05161                |
| 1300 | 529.237 | 0.2217         | 55.980       | 50.457                | 249614.02           | 0.04904             | 0.05134                |
| 1315 | 529.250 | 0.2201         | 55.774       | 50.458                | 249613.58           | 0.04881             | 0.05105                |
| 1330 | 529.249 | 0.2211         | 55.897       | 50.456                | 249604.30           | 0.04890             | 0.05109                |
| 1345 | 529.249 | 0.2206         | 55.843       | 50.455                | 249601.48           | 0.04905             | 0.05118                |
| 1400 | 529.226 | 0.2214         | 55.938       | 50.454                | 249603.55           | 0.04906             | 0.05114                |
| 1415 | 529.228 | 0.2205         | 55.823       | 50.454                | 249604.88           | 0.04898             | 0.05100                |
| 1430 | 529.229 | 0.2208         | 55.866       | 50.453                | 249597.70           | 0.04911             | 0.05109                |
| 1445 | 529.241 | 0.2209         | 55.878       | 50.452                | 249589.17           | 0.04948             | 0.05145                |
| 1500 | 529.204 | 0.2207         | 55.846       | 50.452                | 249605.06           | 0.04925             | 0.05118                |
| 1515 | 529.203 | 0.2204         | 55.818       | 50.451                | 249602.03           | 0.04909             | 0.05097                |
| 1530 | 529.194 | 0.2202         | 55.784       | 50.450                | 249602.75           | 0.04887             | 0.05073                |
| 1545 | 529.176 | 0.2199         | 55.748       | 50.449                | 249605.16           | 0.04856             | 0.05039                |
| 1600 | 529.145 | 0.2205         | 55.831       | 50.447                | 249609.19           | 0.04810             | 0.04995                |
| 1615 | 529.144 | 0.2204         | 55.811       | 50.446                | 249605.44           | 0.04775             | 0.04959                |
| 1630 | 529.132 | 0.2200         | 55.762       | 50.446                | 249608.05           | 0.04731             | 0.04915                |
| 1645 | 529.125 | 0.2196         | 55.719       | 50.445                | 249608.13           | 0.04686             | 0.04871                |
| 1700 | 529.119 | 0.2196         | 55.718       | 50.444                | 249605.97           | 0.04647             | 0.04832                |
| 1715 | 529.120 | 0.2198         | 55.740       | 50.443                | 249599.52           | 0.04624             | 0.04806                |
| 1730 | 529.115 | 0.2198         | 55.736       | 50.442                | 249597.08           | 0.04607             | 0.04786                |
| 1745 | 529.106 | 0.2193         | 55.683       | 50.442                | 249600.84           | 0.04577             | 0.04754                |
| 1800 | 529.098 | 0.2203         | 55.806       | 50.440                | 249597.61           | 0.04555             | 0.04730                |
| 1815 | 529.087 | 0.2192         | 55.659       | 50.440                | 249603.75           | 0.04515             | 0.04690                |
| 1830 | 529.082 | 0.2195         | 55.699       | 50.439                | 249599.48           | 0.04486             | 0.04660                |
| 1845 | 529.090 | 0.2190         | 55.643       | 50.439                | 249598.02           | 0.04459             | 0.04631                |

MAX ALLOWABLE LEAK RATE : .1528

7% OF MAX ALLOWABLE LEAK RATE .1146

FAILURE OCCURED AT 4 POINT, OUT OF 4 POINTS

EPRI EQUATION #6 IS SATISFIED.

EPRI EQUATION #7 IS SATISFIED



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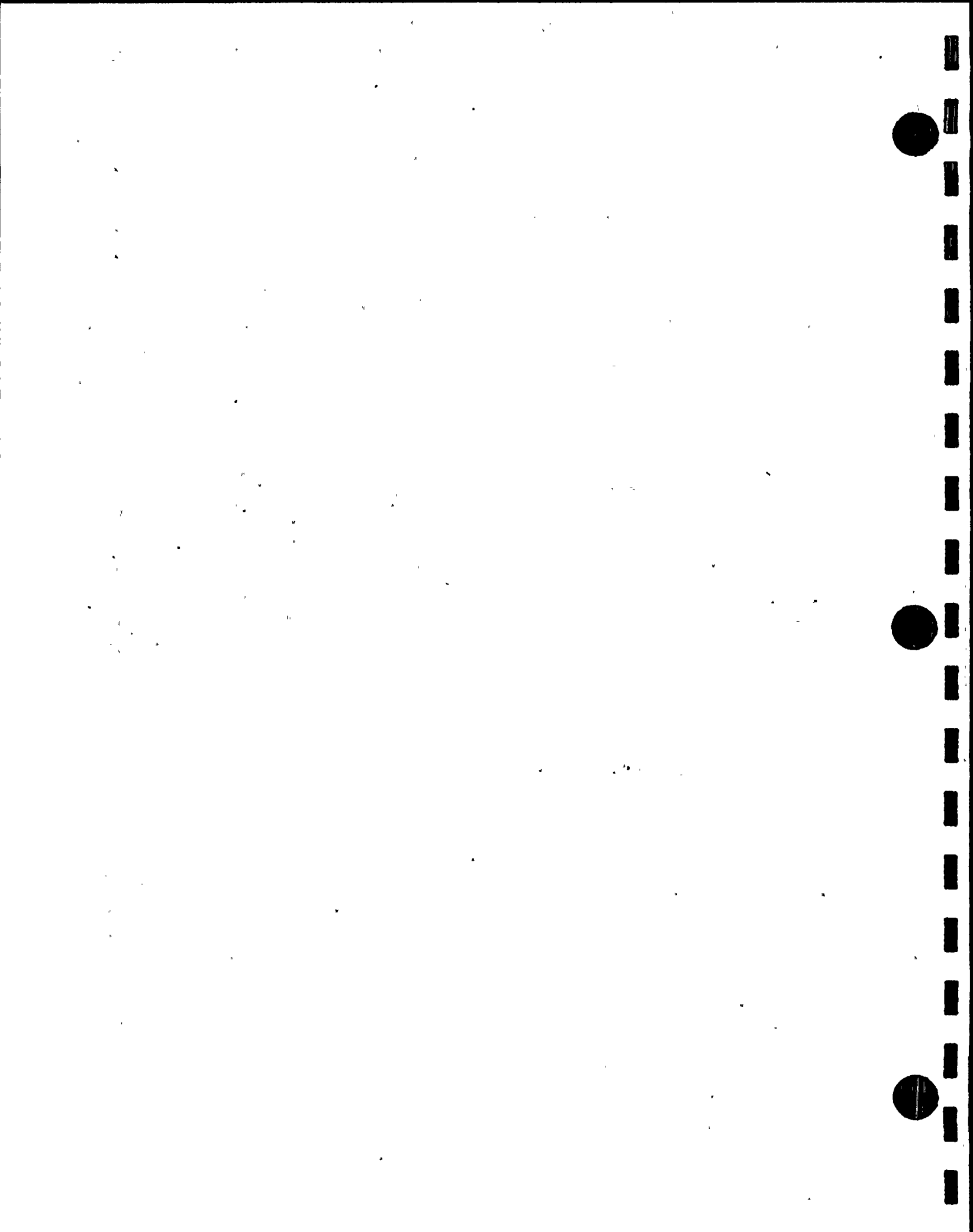
## TOTAL TIME CALCULATION RESULTS

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DATE - 07-10-1989

TIME - 17:48:27

|      | TEMP    | VAPOR<br>PRESS | DEW<br>POINT | CORR.<br>AIR<br>PRESS | LSF<br>LEAK<br>RATE | UPPER<br>CONF<br>LEVEL | MEASURED<br>LEAK<br>RATE |
|------|---------|----------------|--------------|-----------------------|---------------------|------------------------|--------------------------|
| 1845 | 530.832 | 0.2371         | 57.838       | 50.625                | 0.0000              | 0.00000                | 0.00000                  |
| 1900 | 530.720 | 0.2361         | 57.716       | 50.618                | 0.0000              | 0.00000                | -0.60705                 |
| 1915 | 530.654 | 0.2359         | 57.701       | 50.610                | -0.1514             | 0.00000                | -0.15139                 |
| 1930 | 530.589 | 0.2363         | 57.740       | 50.602                | 0.0506              | 1.09904                | -0.00016                 |
| 1945 | 530.512 | 0.2358         | 57.685       | 50.595                | 0.0969              | 0.55103                | -0.01335                 |
| 2000 | 530.434 | 0.2347         | 57.555       | 50.590                | 0.0627              | 0.45155                | -0.08882                 |
| 2015 | 530.418 | 0.2347         | 57.549       | 50.583                | 0.1368              | 0.40203                | 0.09740                  |
| 2030 | 530.314 | 0.2344         | 57.514       | 50.577                | 0.1154              | 0.37461                | -0.03129                 |
| 2045 | 530.274 | 0.2333         | 57.384       | 50.572                | 0.1117              | 0.33537                | -0.00016                 |
| 2100 | 530.214 | 0.2328         | 57.324       | 50.567                | 0.1047              | 0.30656                | -0.00611                 |
| 2115 | 530.177 | 0.2332         | 57.381       | 50.561                | 0.1144              | 0.29213                | 0.04083                  |
| 2130 | 530.120 | 0.2331         | 57.368       | 50.555                | 0.1183              | 0.28102                | 0.03602                  |
| 2145 | 530.082 | 0.2316         | 57.185       | 50.552                | 0.1186              | 0.26933                | 0.03127                  |
| 2200 | 530.034 | 0.2319         | 57.217       | 50.547                | 0.1179              | 0.25833                | 0.03158                  |
| 2215 | 529.998 | 0.2318         | 57.211       | 50.543                | 0.1197              | 0.25035                | 0.04339                  |
| 2230 | 529.940 | 0.2319         | 57.224       | 50.539                | 0.1153              | 0.23958                | 0.02235                  |
| 2245 | 529.917 | 0.2317         | 57.196       | 50.535                | 0.1152              | 0.23186                | 0.04004                  |
| 2300 | 529.881 | 0.2309         | 57.100       | 50.532                | 0.1122              | 0.22340                | 0.02875                  |
| 2315 | 529.847 | 0.2306         | 57.061       | 50.528                | 0.1101              | 0.21576                | 0.03220                  |
| 2330 | 529.813 | 0.2303         | 57.034       | 50.525                | 0.1076              | 0.20846                | 0.03016                  |
| 2345 | 529.776 | 0.2301         | 57.000       | 50.522                | 0.1034              | 0.20035                | 0.02096                  |
| 0    | 529.760 | 0.2303         | 57.032       | 50.519                | 0.1023              | 0.19475                | 0.03601                  |
| 15   | 529.745 | 0.2297         | 56.957       | 50.517                | 0.1024              | 0.19076                | 0.04303                  |
| 30   | 529.716 | 0.2296         | 56.943       | 50.514                | 0.1020              | 0.18691                | 0.04210                  |
| 45   | 529.687 | 0.2294         | 56.926       | 50.512                | 0.1007              | 0.18256                | 0.03718                  |
| 1    | 529.665 | 0.2282         | 56.778       | 50.510                | 0.0983              | 0.17741                | 0.02929                  |
| 1    | 529.654 | 0.2290         | 56.878       | 50.506                | 0.0987              | 0.17472                | 0.04809                  |
| 130  | 529.642 | 0.2275         | 56.691       | 50.506                | 0.0981              | 0.17157                | 0.04165                  |
| 145  | 529.606 | 0.2282         | 56.777       | 50.503                | 0.0969              | 0.16811                | 0.03838                  |
| 200  | 529.622 | 0.2289         | 56.864       | 50.500                | 0.0993              | 0.16782                | 0.06531                  |
| 215  | 529.598 | 0.2270         | 56.631       | 50.500                | 0.0988              | 0.16544                | 0.04566                  |
| 230  | 529.567 | 0.2278         | 56.721       | 50.498                | 0.0980              | 0.16271                | 0.04325                  |
| 245  | 529.549 | 0.2268         | 56.609       | 50.497                | 0.0966              | 0.15954                | 0.03812                  |
| 300  | 529.526 | 0.2274         | 56.673       | 50.495                | 0.0949              | 0.15624                | 0.03555                  |
| 315  | 529.526 | 0.2262         | 56.527       | 50.494                | 0.0937              | 0.15344                | 0.03944                  |
| 330  | 529.517 | 0.2269         | 56.613       | 50.491                | 0.0936              | 0.15164                | 0.04823                  |
| 345  | 529.505 | 0.2257         | 56.471       | 50.491                | 0.0925              | 0.14915                | 0.03963                  |
| 400  | 529.484 | 0.2266         | 56.585       | 50.488                | 0.0918              | 0.14707                | 0.04369                  |
| 415  | 529.477 | 0.2262         | 56.535       | 50.487                | 0.0913              | 0.14519                | 0.04475                  |
| 430  | 529.500 | 0.2263         | 56.541       | 50.486                | 0.0921              | 0.14463                | 0.05909                  |
| 445  | 529.465 | 0.2252         | 56.405       | 50.485                | 0.0916              | 0.14300                | 0.04617                  |
| 500  | 529.465 | 0.2254         | 56.438       | 50.484                | 0.0915              | 0.14172                | 0.05066                  |
| 515  | 529.424 | 0.2253         | 56.420       | 50.483                | 0.0903              | 0.13946                | 0.03797                  |
| 530  | 529.411 | 0.2244         | 56.315       | 50.482                | 0.0887              | 0.13695                | 0.03436                  |
| 545  | 529.434 | 0.2256         | 56.455       | 50.480                | 0.0888              | 0.13592                | 0.05232                  |
| 600  | 529.415 | 0.2244         | 56.310       | 50.480                | 0.0880              | 0.13426                | 0.04276                  |
| 615  | 529.391 | 0.2238         | 56.240       | 50.480                | 0.0866              | 0.13201                | 0.03448                  |
| 630  | 529.404 | 0.2250         | 56.386       | 50.476                | 0.0867              | 0.13105                | 0.05158                  |
| 645  | 529.405 | 0.2248         | 56.364       | 50.476                | 0.0869              | 0.13037                | 0.05394                  |



\*\*\*\*\*

## TOTAL TIME CALCULATION RESULTS

\*\*\*\*\*

DATE - 07-10-1989

TIME - 17:48:35

|      | TEMP    | VAPOR<br>PRESS | DEW<br>POINT | CORR.<br>AIR<br>PRESS | LSF<br>LEAK<br>RATE | UPPER<br>CONF<br>LEVEL | MEASURED<br>LEAK<br>RATE |
|------|---------|----------------|--------------|-----------------------|---------------------|------------------------|--------------------------|
| 700  | 529.381 | 0.2237         | 56.229       | 50.476                | 0.0862              | 0.12896                | 0.04382                  |
| 715  | 529.379 | 0.2236         | 56.214       | 50.475                | 0.0857              | 0.12767                | 0.04537                  |
| 730  | 529.355 | 0.2233         | 56.180       | 50.474                | 0.0847              | 0.12597                | 0.03881                  |
| 745  | 529.349 | 0.2236         | 56.212       | 50.472                | 0.0840              | 0.12455                | 0.04242                  |
| 800  | 529.376 | 0.2229         | 56.120       | 50.472                | 0.0841              | 0.12382                | 0.05181                  |
| 815  | 529.343 | 0.2230         | 56.133       | 50.471                | 0.0835              | 0.12258                | 0.04346                  |
| 830  | 529.339 | 0.2232         | 56.162       | 50.470                | 0.0829              | 0.12137                | 0.04380                  |
| 845  | 529.320 | 0.2234         | 56.190       | 50.469                | 0.0822              | 0.12002                | 0.04105                  |
| 900  | 529.304 | 0.2234         | 56.182       | 50.468                | 0.0813              | 0.11855                | 0.03848                  |
| 915  | 529.313 | 0.2228         | 56.110       | 50.468                | 0.0807              | 0.11734                | 0.04209                  |
| 930  | 529.303 | 0.2231         | 56.153       | 50.466                | 0.0801              | 0.11622                | 0.04270                  |
| 945  | 529.327 | 0.2225         | 56.076       | 50.466                | 0.0801              | 0.11559                | 0.05032                  |
| 1000 | 529.334 | 0.2225         | 56.081       | 50.465                | 0.0802              | 0.11515                | 0.05319                  |
| 1015 | 529.313 | 0.2230         | 56.132       | 50.465                | 0.0801              | 0.11447                | 0.04894                  |
| 1030 | 529.285 | 0.2226         | 56.084       | 50.464                | 0.0795              | 0.11340                | 0.04208                  |
| 1045 | 529.291 | 0.2221         | 56.030       | 50.463                | 0.0791              | 0.11250                | 0.04483                  |
| 1100 | 529.293 | 0.2225         | 56.073       | 50.462                | 0.0789              | 0.11183                | 0.04846                  |
| 1115 | 529.270 | 0.2222         | 56.035       | 50.462                | 0.0783              | 0.11084                | 0.04218                  |
| 1130 | 529.268 | 0.2218         | 55.992       | 50.461                | 0.0778              | 0.10990                | 0.04290                  |
| 1145 | 529.270 | 0.2223         | 56.052       | 50.460                | 0.0775              | 0.10911                | 0.04535                  |
| 1200 | 529.277 | 0.2207         | 55.859       | 50.461                | 0.0771              | 0.10826                | 0.04367                  |
| 1215 | 529.260 | 0.2213         | 55.929       | 50.460                | 0.0766              | 0.10740                | 0.04302                  |
| 1230 | 529.268 | 0.2216         | 55.959       | 50.458                | 0.0764              | 0.10680                | 0.04771                  |
| 1245 | 529.247 | 0.2208         | 55.870       | 50.459                | 0.0759              | 0.10588                | 0.04111                  |
| 1300 | 529.237 | 0.2217         | 55.980       | 50.457                | 0.0755              | 0.10508                | 0.04307                  |
| 1315 | 529.250 | 0.2201         | 55.774       | 50.458                | 0.0750              | 0.10428                | 0.04271                  |
| 1330 | 529.249 | 0.2211         | 55.897       | 50.456                | 0.0748              | 0.10370                | 0.04690                  |
| 1345 | 529.249 | 0.2206         | 55.843       | 50.455                | 0.0747              | 0.10318                | 0.04770                  |
| 1400 | 529.226 | 0.2214         | 55.938       | 50.454                | 0.0744              | 0.10259                | 0.04606                  |
| 1415 | 529.228 | 0.2205         | 55.823       | 50.454                | 0.0741              | 0.10195                | 0.04481                  |
| 1430 | 529.229 | 0.2208         | 55.866       | 50.453                | 0.0740              | 0.10146                | 0.04773                  |
| 1445 | 529.241 | 0.2209         | 55.878       | 50.452                | 0.0740              | 0.10114                | 0.05124                  |
| 1500 | 529.204 | 0.2207         | 55.846       | 50.452                | 0.0736              | 0.10046                | 0.04306                  |
| 1515 | 529.203 | 0.2204         | 55.818       | 50.451                | 0.0733              | 0.09982                | 0.04396                  |
| 1530 | 529.194 | 0.2202         | 55.784       | 50.450                | 0.0729              | 0.09916                | 0.04310                  |
| 1545 | 529.176 | 0.2199         | 55.748       | 50.449                | 0.0725              | 0.09844                | 0.04148                  |
| 1600 | 529.145 | 0.2205         | 55.831       | 50.447                | 0.0719              | 0.09764                | 0.03917                  |
| 1615 | 529.144 | 0.2204         | 55.811       | 50.446                | 0.0715              | 0.09691                | 0.04039                  |
| 1630 | 529.132 | 0.2200         | 55.762       | 50.446                | 0.0710              | 0.09613                | 0.03877                  |
| 1645 | 529.125 | 0.2196         | 55.719       | 50.445                | 0.0705              | 0.09535                | 0.03830                  |
| 1700 | 529.119 | 0.2196         | 55.718       | 50.444                | 0.0700              | 0.09461                | 0.03880                  |
| 1715 | 529.120 | 0.2198         | 55.740       | 50.443                | 0.0696              | 0.09398                | 0.04113                  |
| 1730 | 529.115 | 0.2198         | 55.736       | 50.442                | 0.0693              | 0.09339                | 0.04170                  |
| 1745 | 529.106 | 0.2193         | 55.683       | 50.442                | 0.0688              | 0.09273                | 0.03968                  |
| 1800 | 529.098 | 0.2203         | 55.806       | 50.440                | 0.0685              | 0.09213                | 0.04059                  |
| 1815 | 529.087 | 0.2192         | 55.659       | 50.440                | 0.0680              | 0.09142                | 0.03764                  |
| 1830 | 529.082 | 0.2195         | 55.699       | 50.439                | 0.0676              | 0.09078                | 0.03897                  |
| 1845 | 529.090 | 0.2190         | 55.643       | 50.439                | 0.0672              | 0.09016                | 0.03915                  |

MEASURED LEAK RATE USING TOTAL TIME:

0.067190

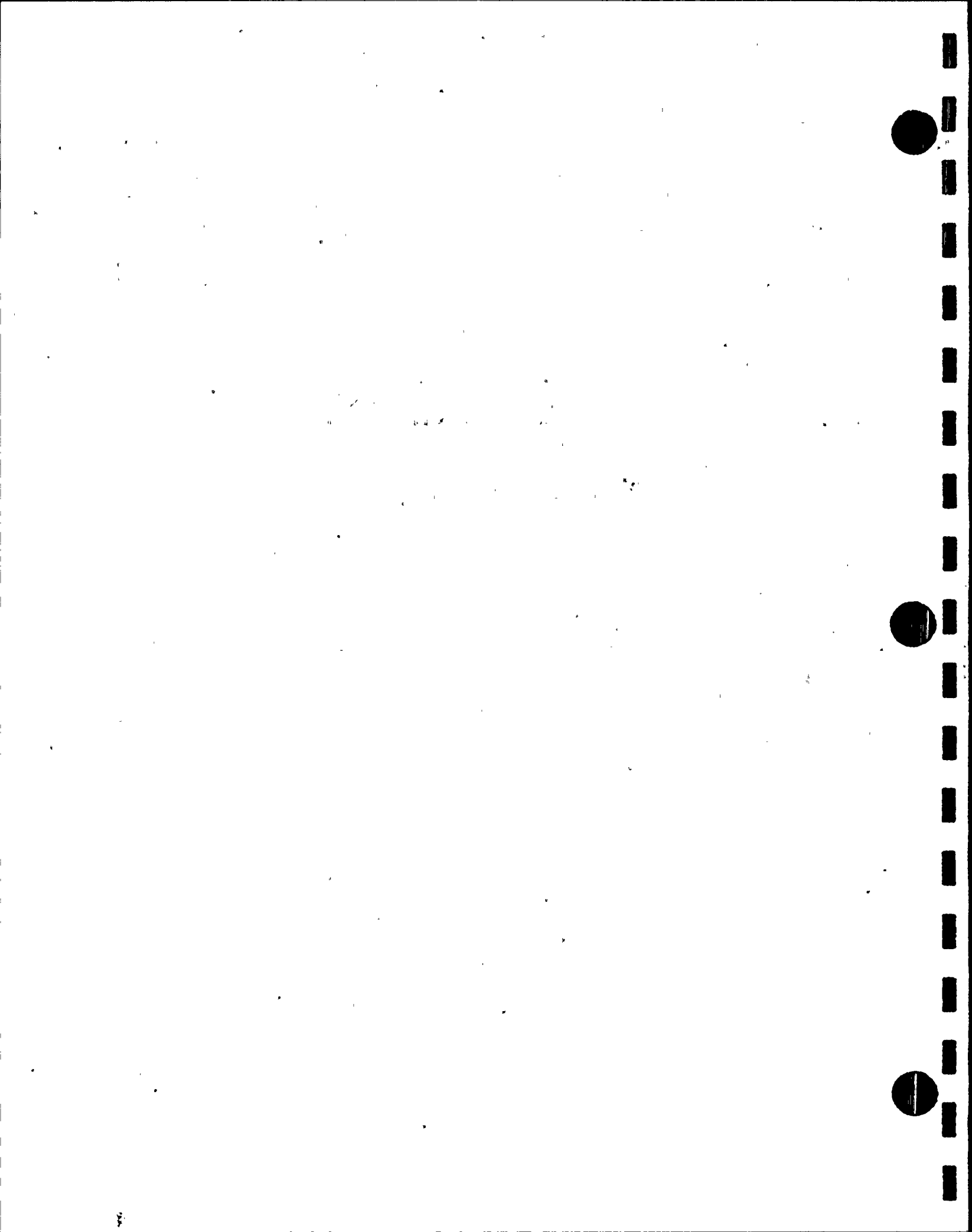
MEAN TOTAL TIME RATE OF 0.042214

IS LESS THAN ALLOWABLE MAXIMUM RATE OF .1528



**APPENDIX E**  
**VERIFICATION TEST CALCULATIONS**

**Mass Point Analysis**





\*\*\*\*\*  
DATE - 07-10-1989

MASS POINT WITH VERIFICATION TEST

\*\*\*\*\*  
TIME - 18:13:13

|      |          | MASS POINT   |                  |       | VERIFICATION |               |
|------|----------|--------------|------------------|-------|--------------|---------------|
|      | MASS     | GROSS<br>LSF | GROSS<br>95% UCL | SCFM  | NET<br>LSF   | NET<br>95 UCL |
| 19   | 249591.2 | 0.0000       | 0.0000           | 3.500 | -0.1518      | -0.1518       |
| 1915 | 249583.3 | 0.0000       | 0.0000           | 3.600 | -0.1561      | -0.1561       |
| 1930 | 249585.5 | 0.1085       | 0.0000           | 3.600 | -0.0477      | -0.1561       |
| 1945 | 249575.9 | 0.1675       | 0.3452           | 3.600 | 0.0114       | 0.1891        |
| 2000 | 249574.7 | 0.1551       | 0.2389           | 3.600 | -0.0011      | 0.0828        |
| 2015 | 249571.8 | 0.1453       | 0.1964           | 3.600 | -0.0108      | 0.0403        |
| 2030 | 249557.5 | 0.1851       | 0.2427           | 3.600 | 0.0290       | 0.0865        |
| 2045 | 249560.7 | 0.1760       | 0.2186           | 3.600 | 0.0199       | 0.0625        |
| 2100 | 249554.3 | 0.1766       | 0.2088           | 3.600 | 0.0205       | 0.0527        |
| 2115 | 249549.9 | 0.1764       | 0.2016           | 3.600 | 0.0203       | 0.0455        |
| 2130 | 249540.8 | 0.1842       | 0.2061           | 3.600 | 0.0281       | 0.0500        |
| 2145 | 249542.6 | 0.1790       | 0.1978           | 3.600 | 0.0228       | 0.0417        |
| 2200 | 249531.0 | 0.1846       | 0.2014           | 3.600 | 0.0284       | 0.0452        |
| 2215 | 249528.6 | 0.1855       | 0.1998           | 3.600 | 0.0294       | 0.0437        |
| 2230 | 249521.5 | 0.1883       | 0.2010           | 3.600 | 0.0322       | 0.0448        |
| 2245 | 249513.8 | 0.1926       | 0.2044           | 3.600 | 0.0364       | 0.0482        |
| 2300 | 249504.4 | 0.1988       | 0.2109           | 3.600 | 0.0426       | 0.0547        |

(Lo + Lam - .25 La) <= Lc <= (Lo + Lam + .25 La)  
0.1625 <= 0.1988 <= 0.2389



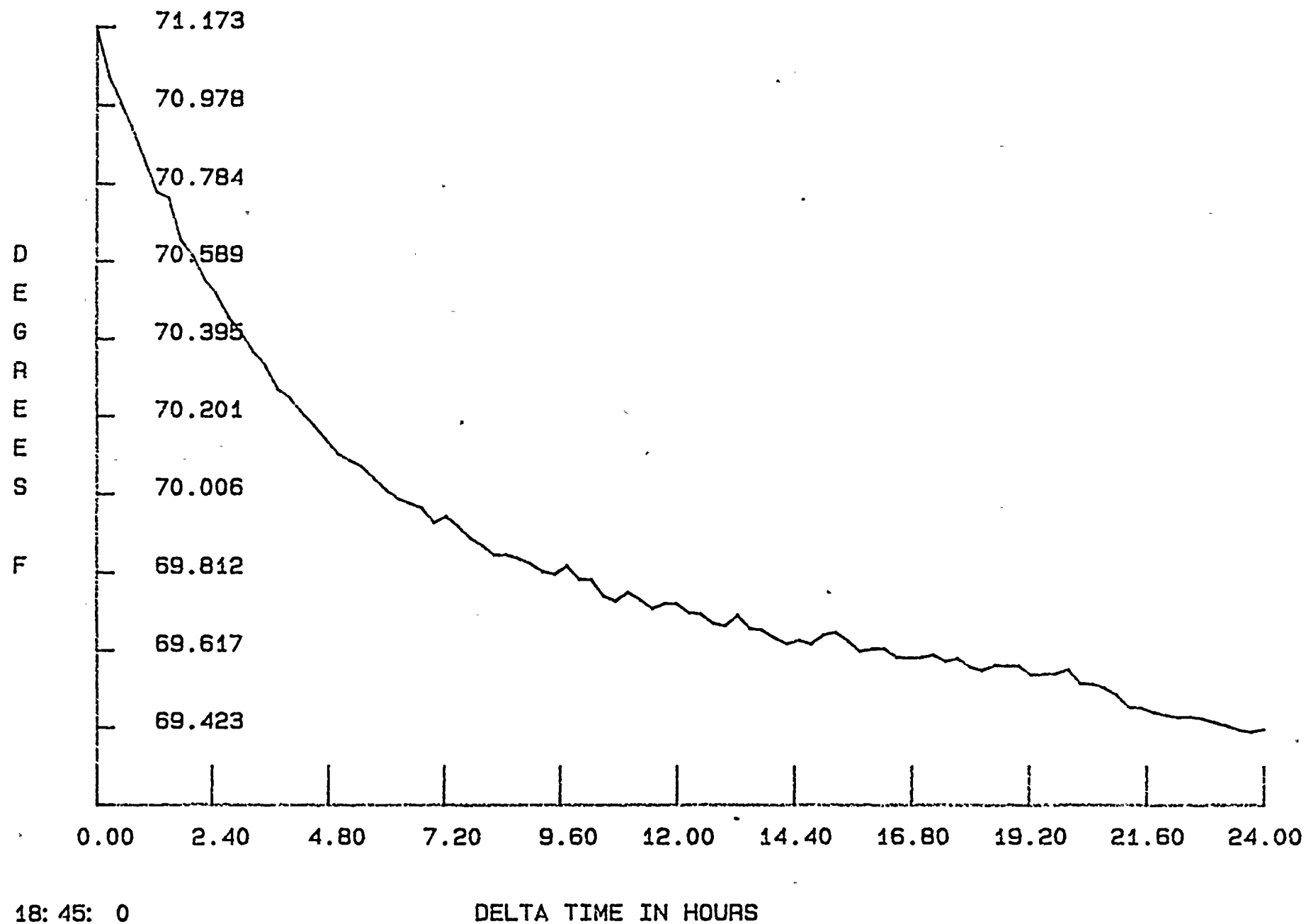
4-10-81

**APPENDIX F**  
**TYPE A PLOTS**

Average Temperature vs Time  
Average Pressure vs Time  
Average Dew Point vs Time  
Containment Mass vs Time  
Mass Point Leakage Rate vs Time  
Total Time Leakage Rate vs Time

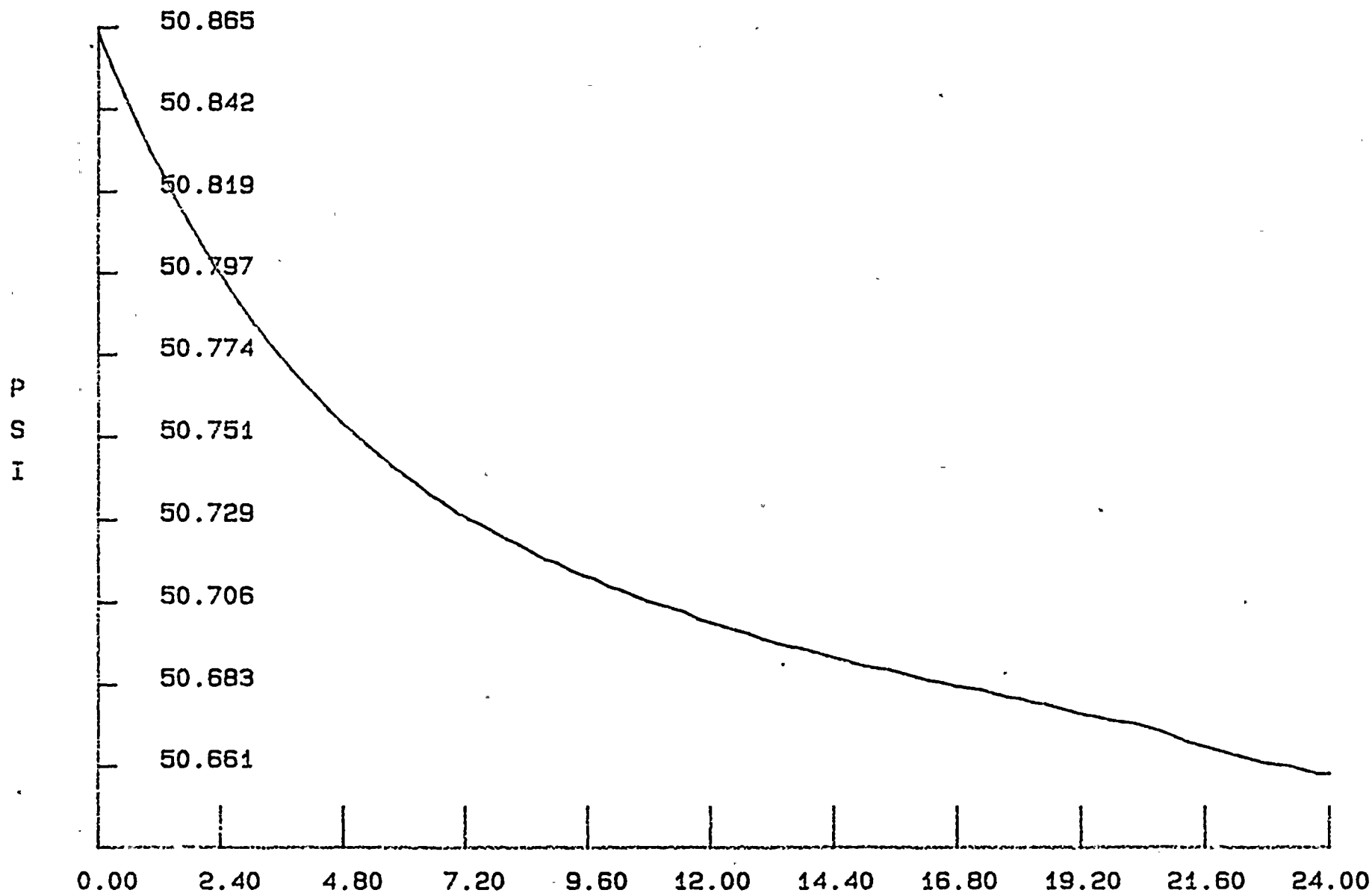


PLOT OF RTD AVG





PLOT OF PRESSURE AVG



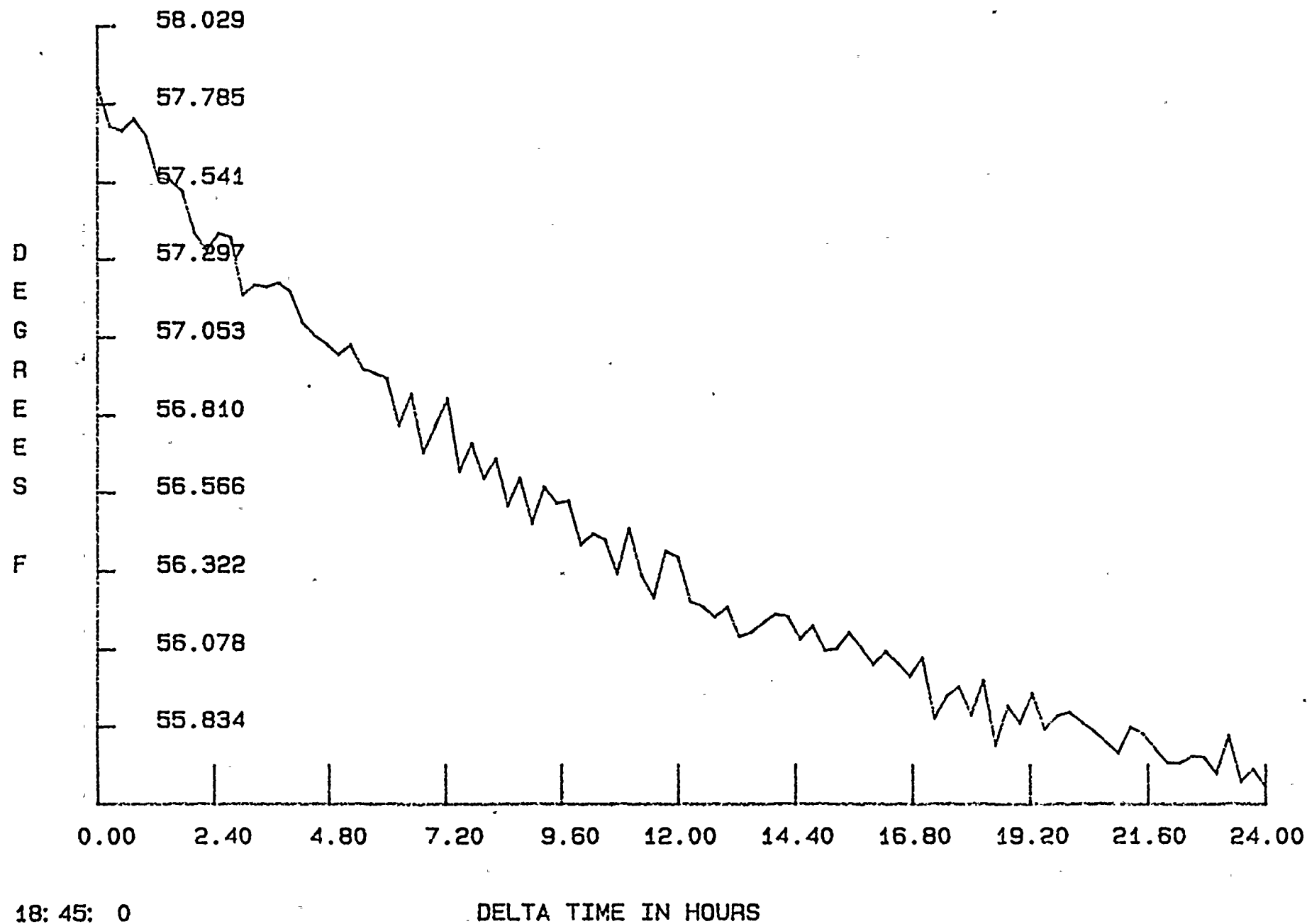
18: 45: 0

DELTA TIME IN HOURS



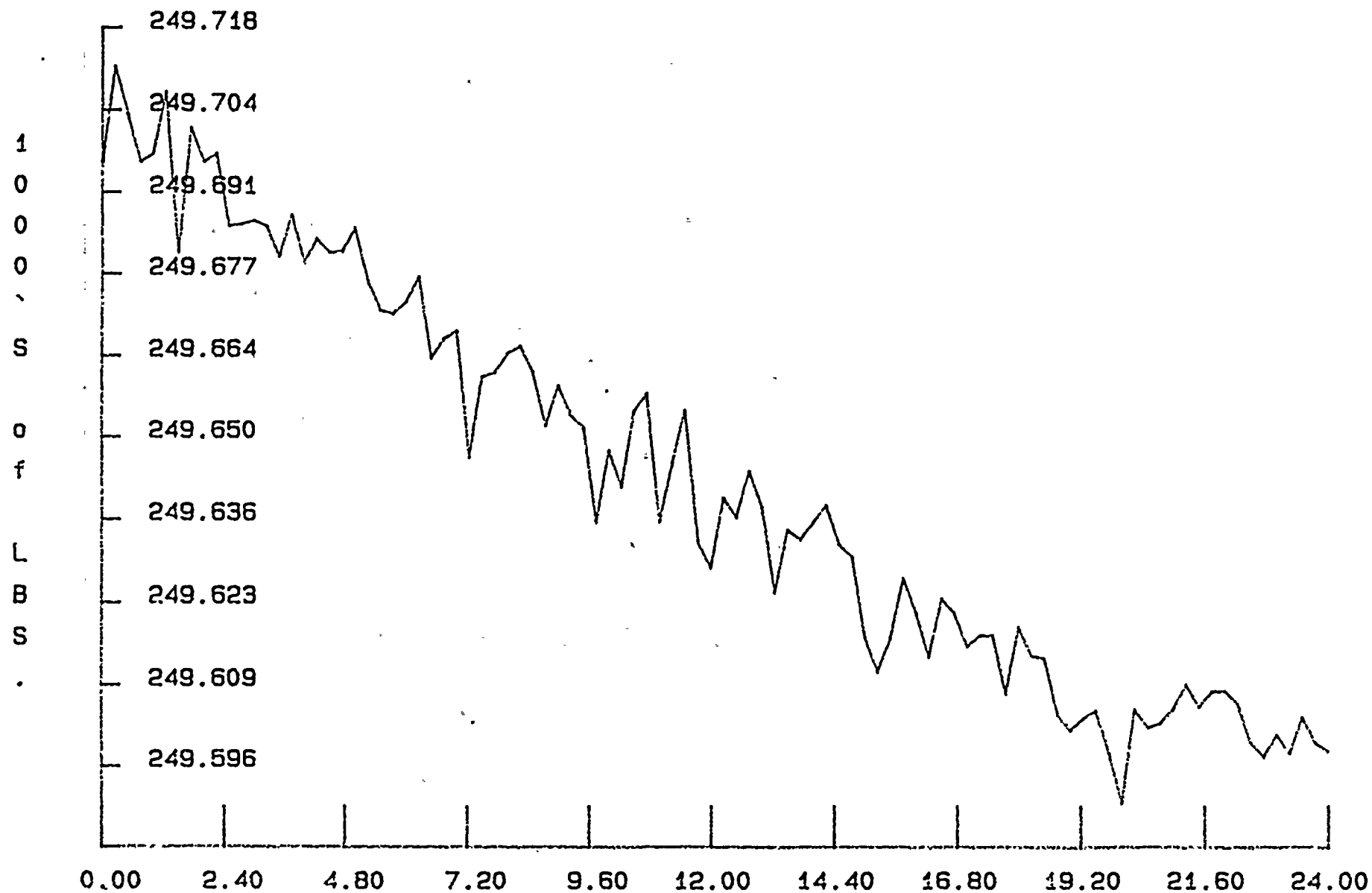


PLOT OF DEW CELL AVG





PLOT OF MEASURED MASS

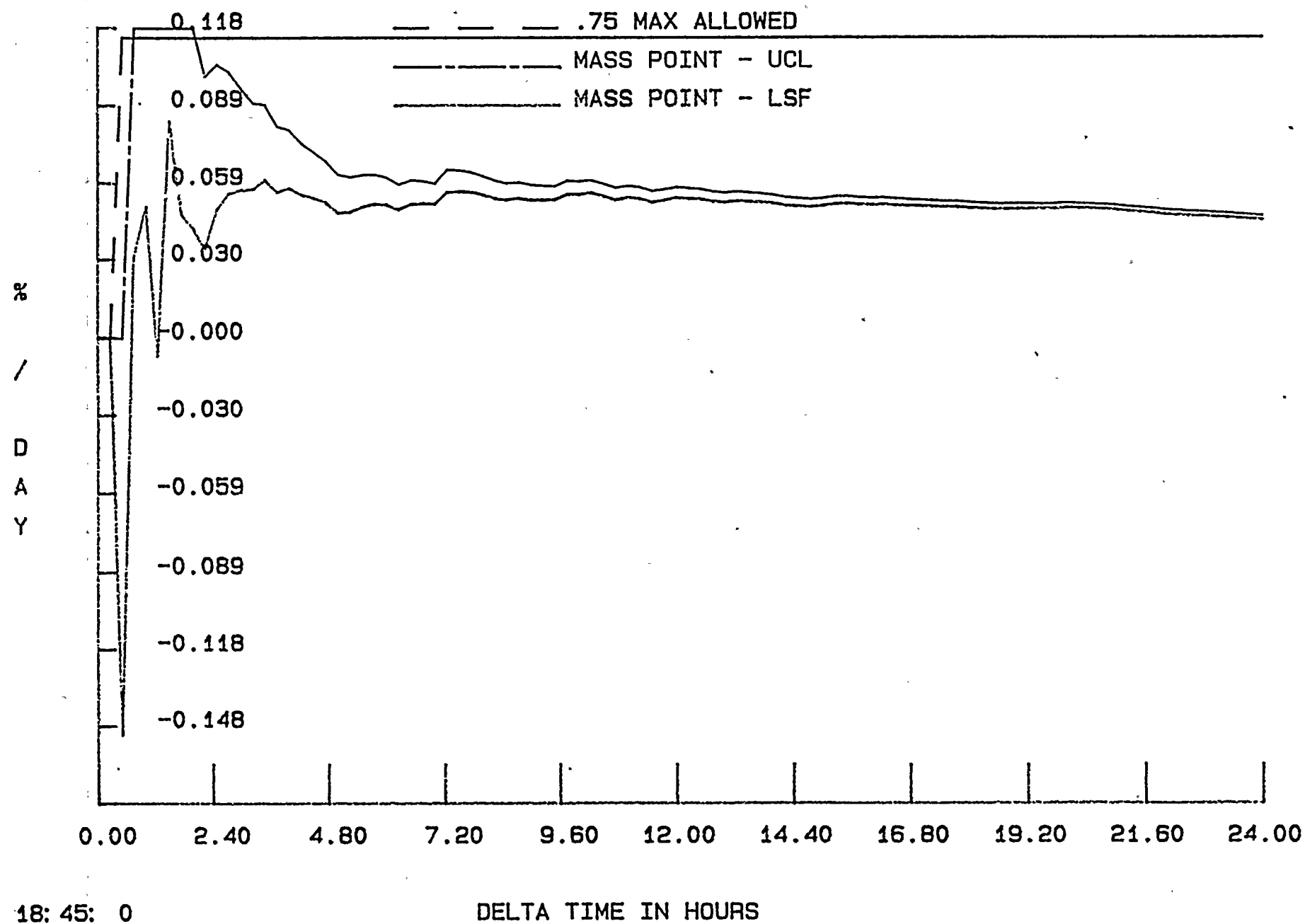


18: 45: 0

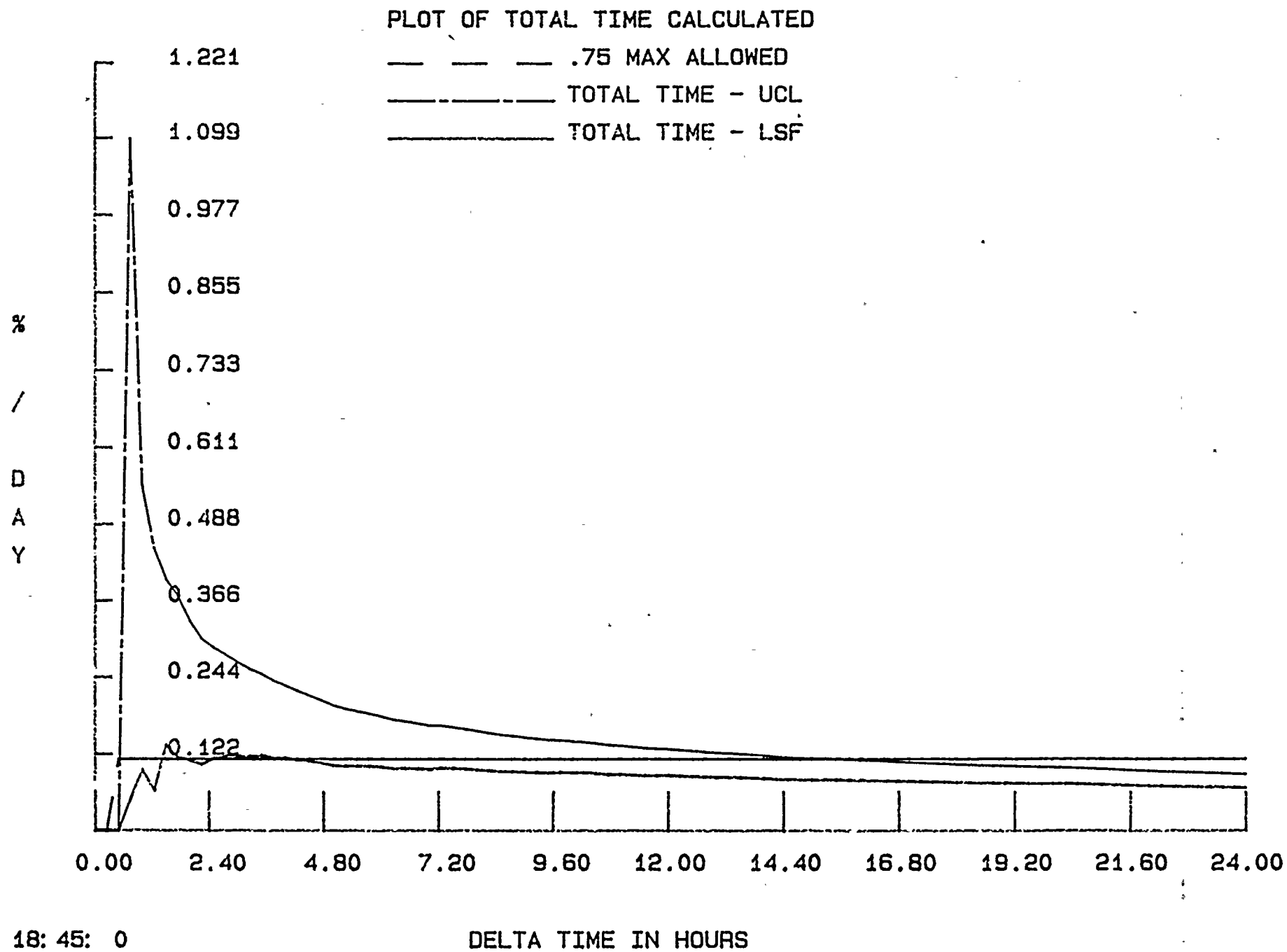
DELTA TIME IN HOURS



PLOT OF MASS POINT CALCULATED









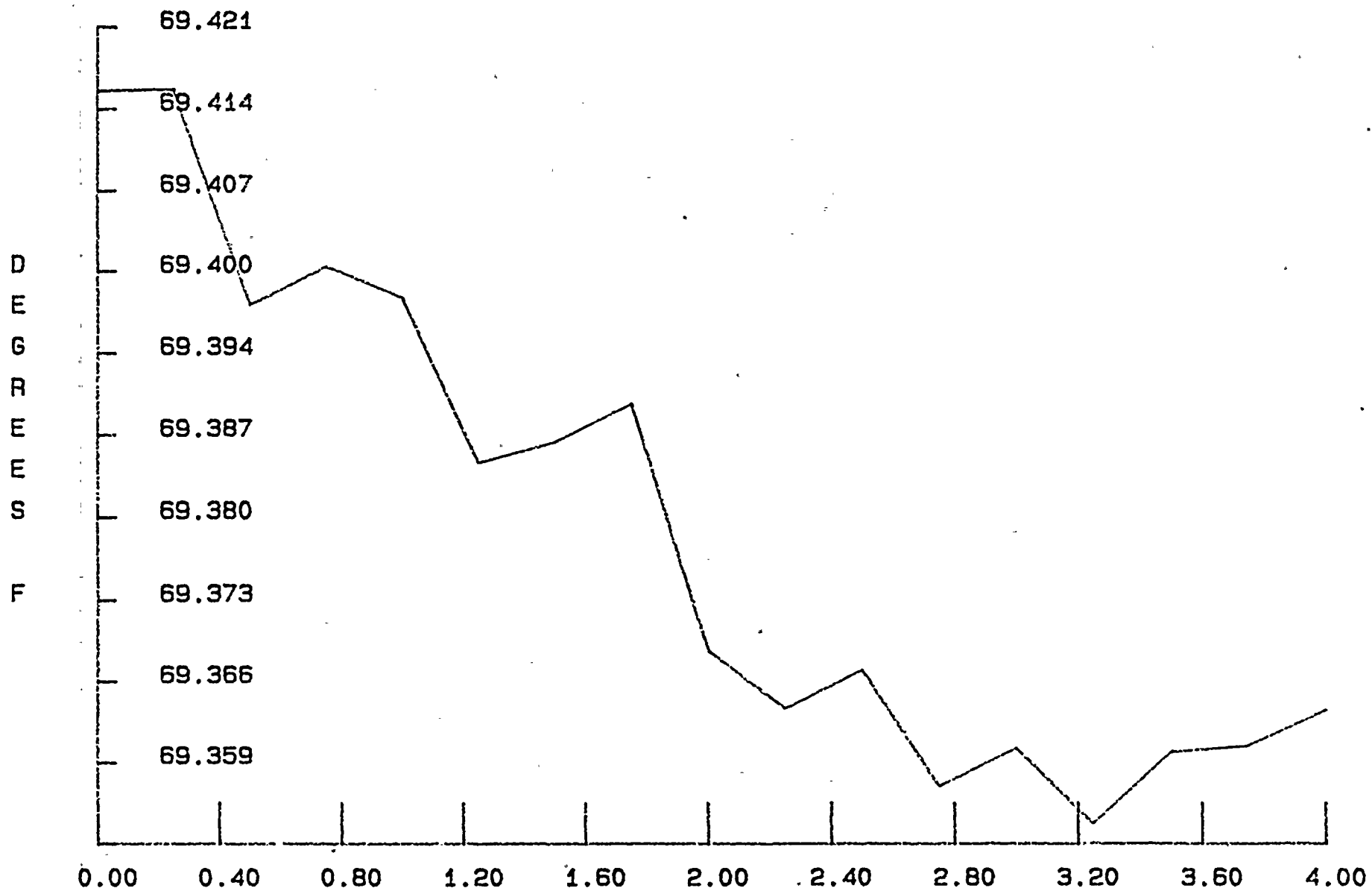


**APPENDIX G**  
**VERIFICATION TEST PLOTS**

Average Temperature vs Time  
Average Pressure vs Time  
Average Dew Point vs Time  
Containment Mass vs Time  
Mass Point Leakage Rate vs Time



PLOT OF RTD AVG

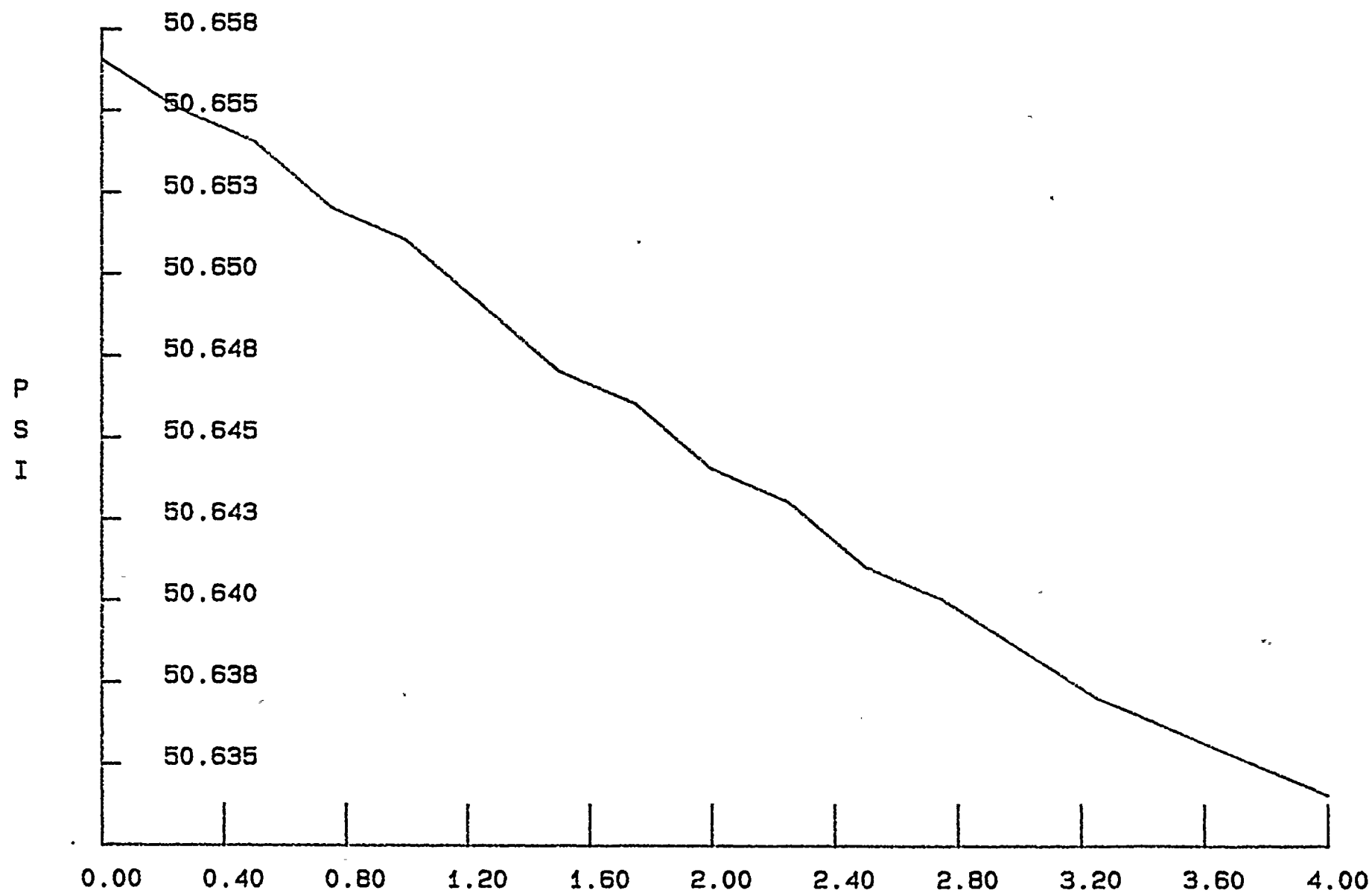


19: 0: 0

DELTA TIME IN HOURS



PLOT OF PRESSURE AVG

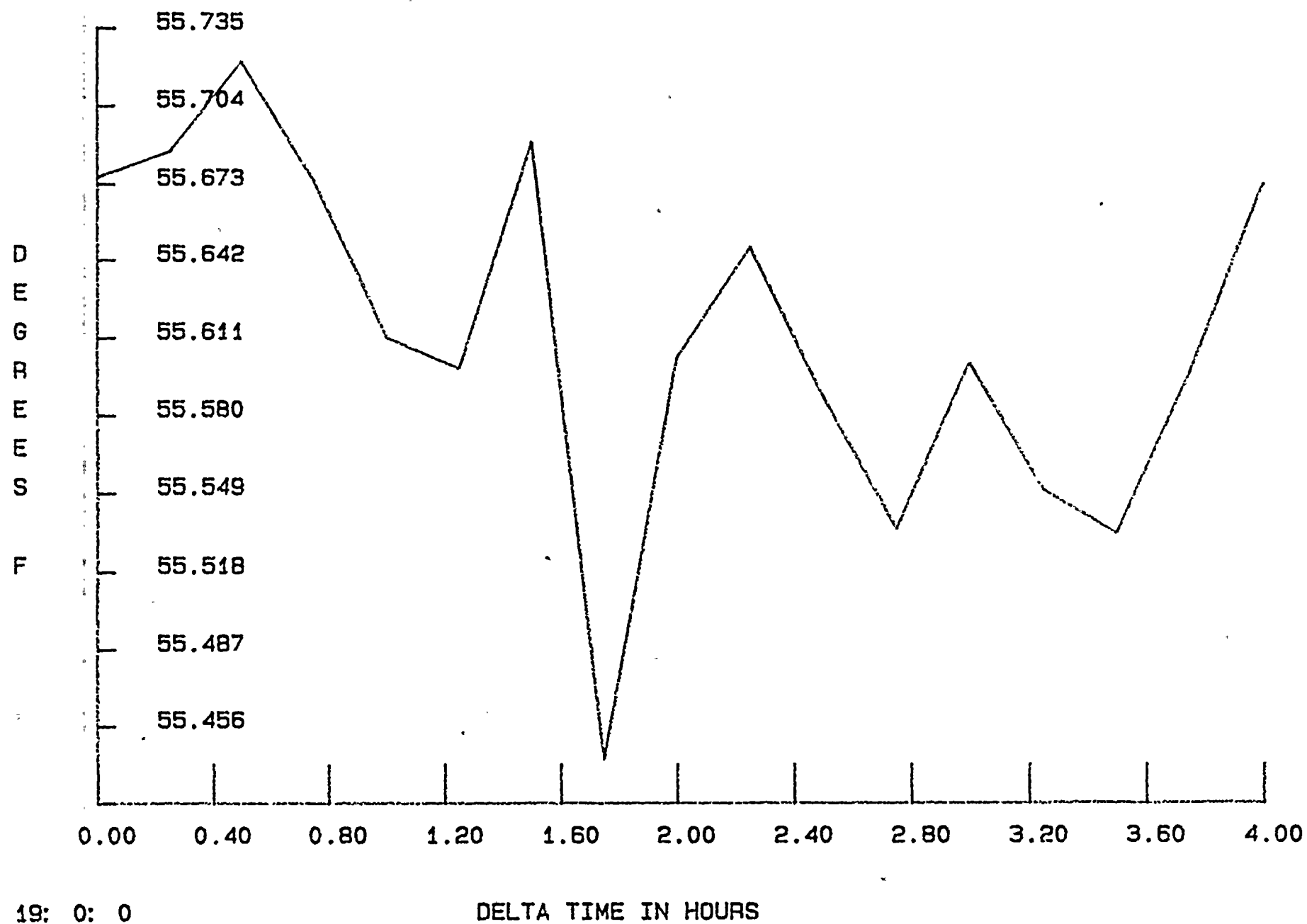


19: 0: 0

DELTA TIME IN HOURS



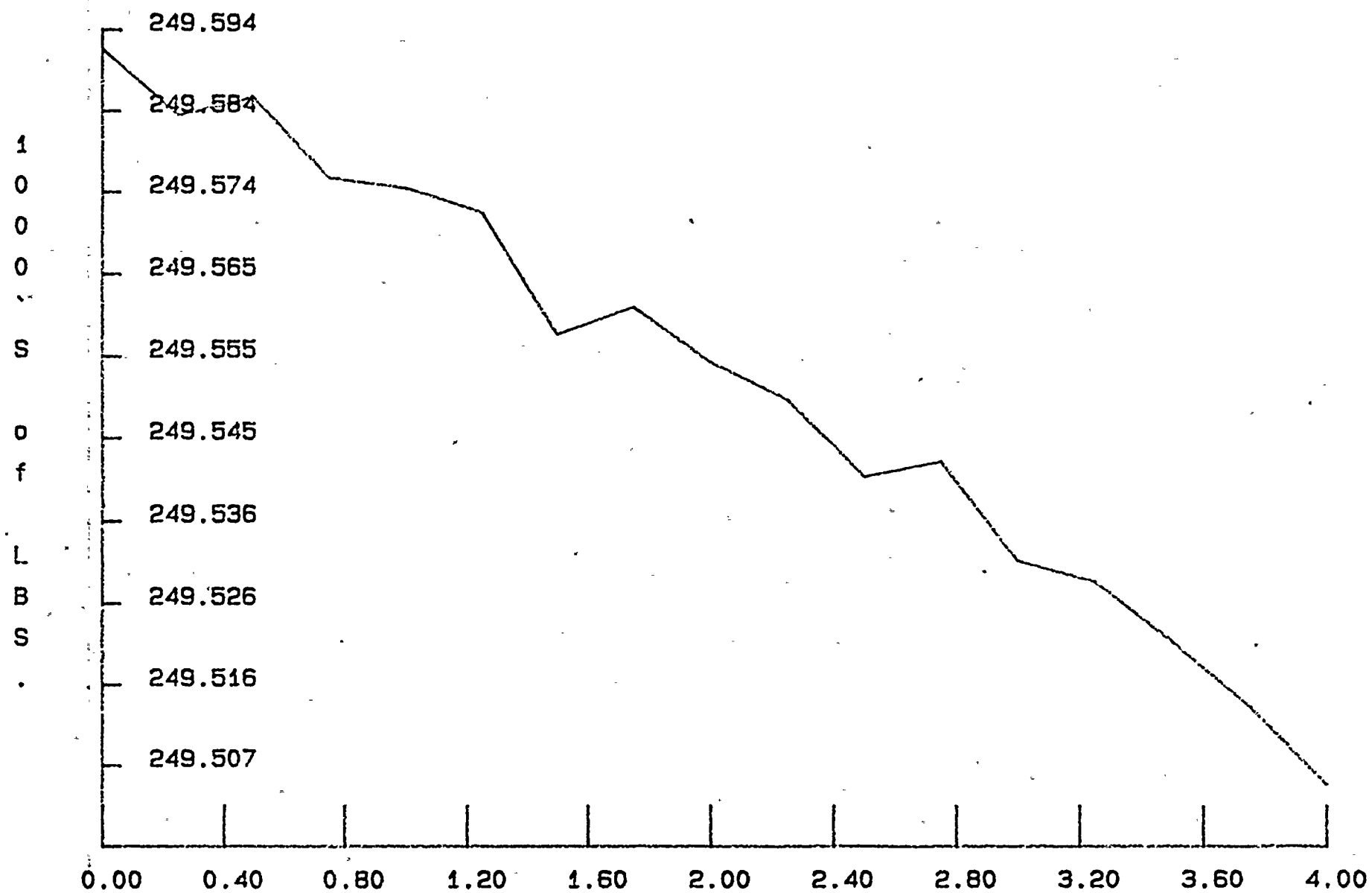
PLOT OF DEW CELL AVG







PLOT OF MEASURED MASS

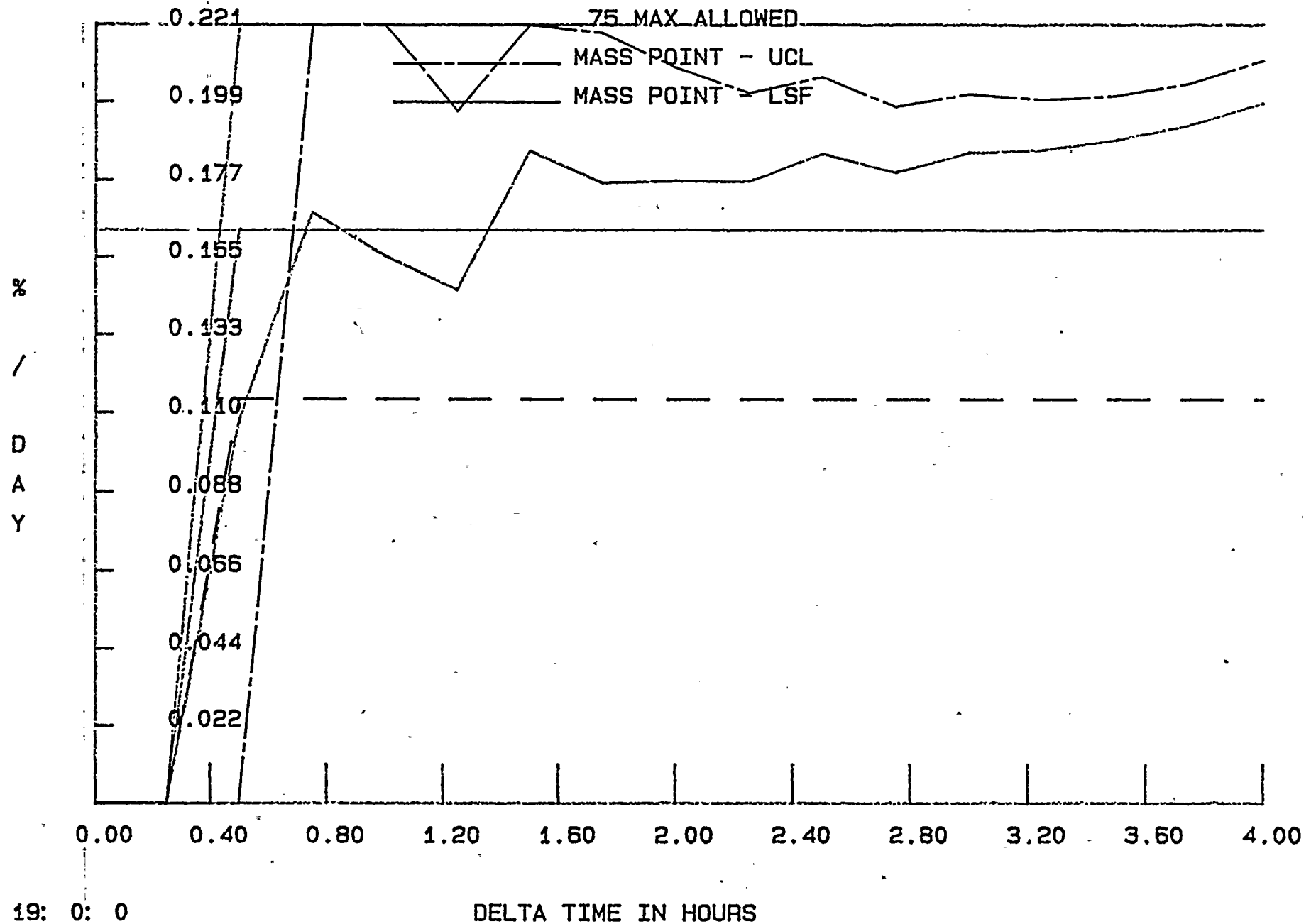


19: 0: 0

DELTA TIME IN HOURS



# PLOT OF MASS POINT CALCULATED



19: 0: 0

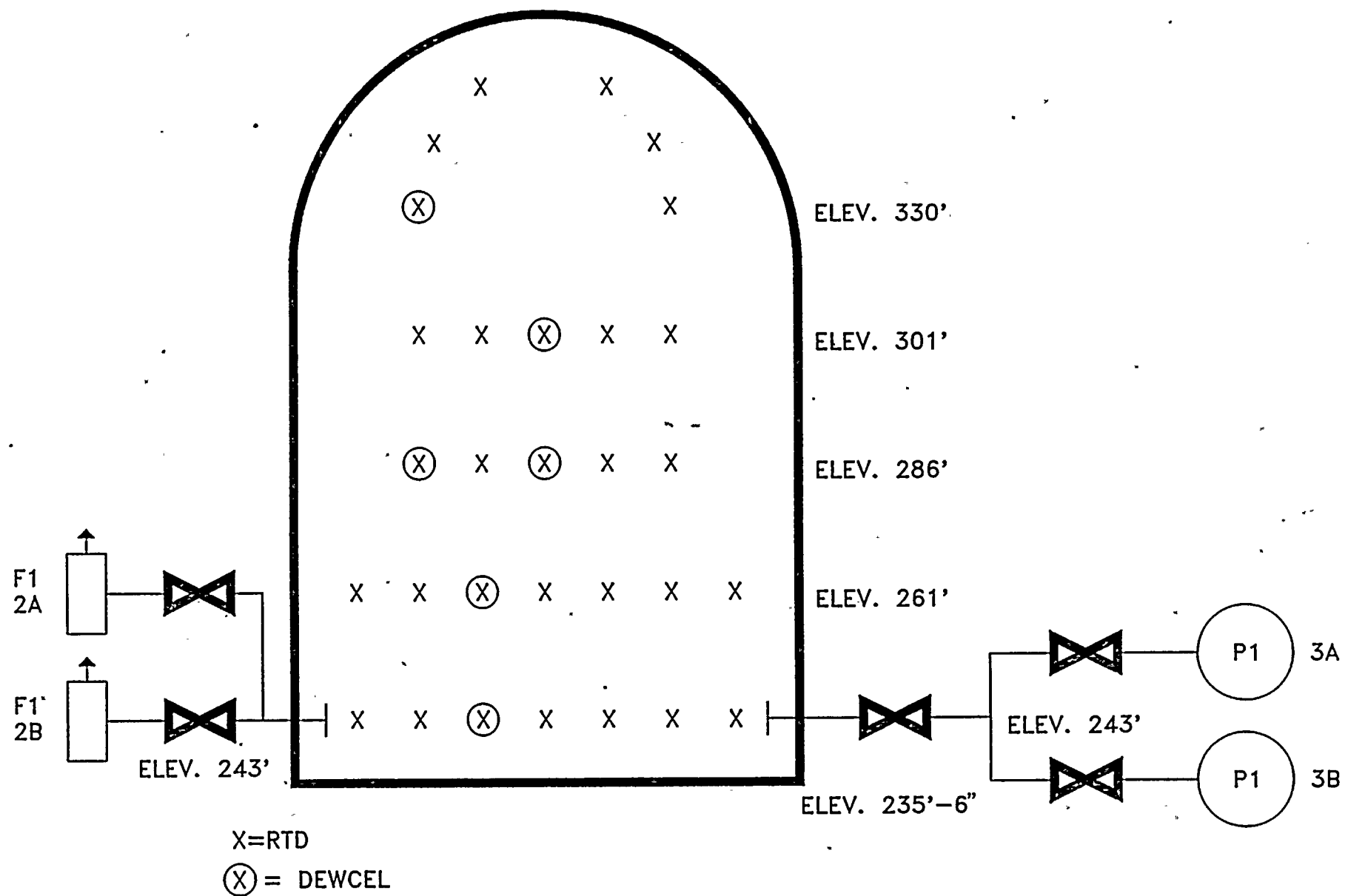


**TABLE 1**

**INSTRUMENTATION LOCATIONS & SCHEMATIC**

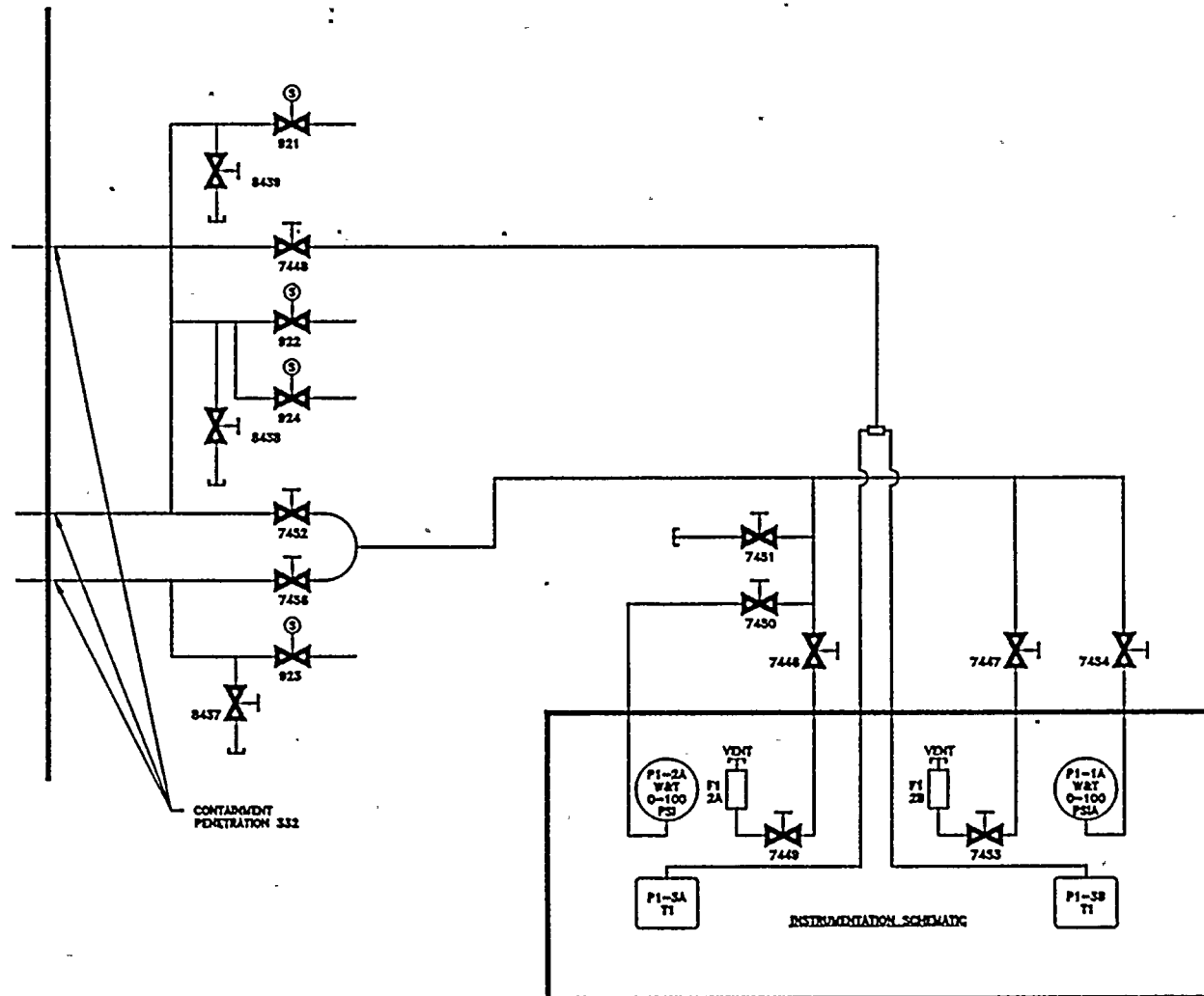


INSTRUMENTATION LOCATION

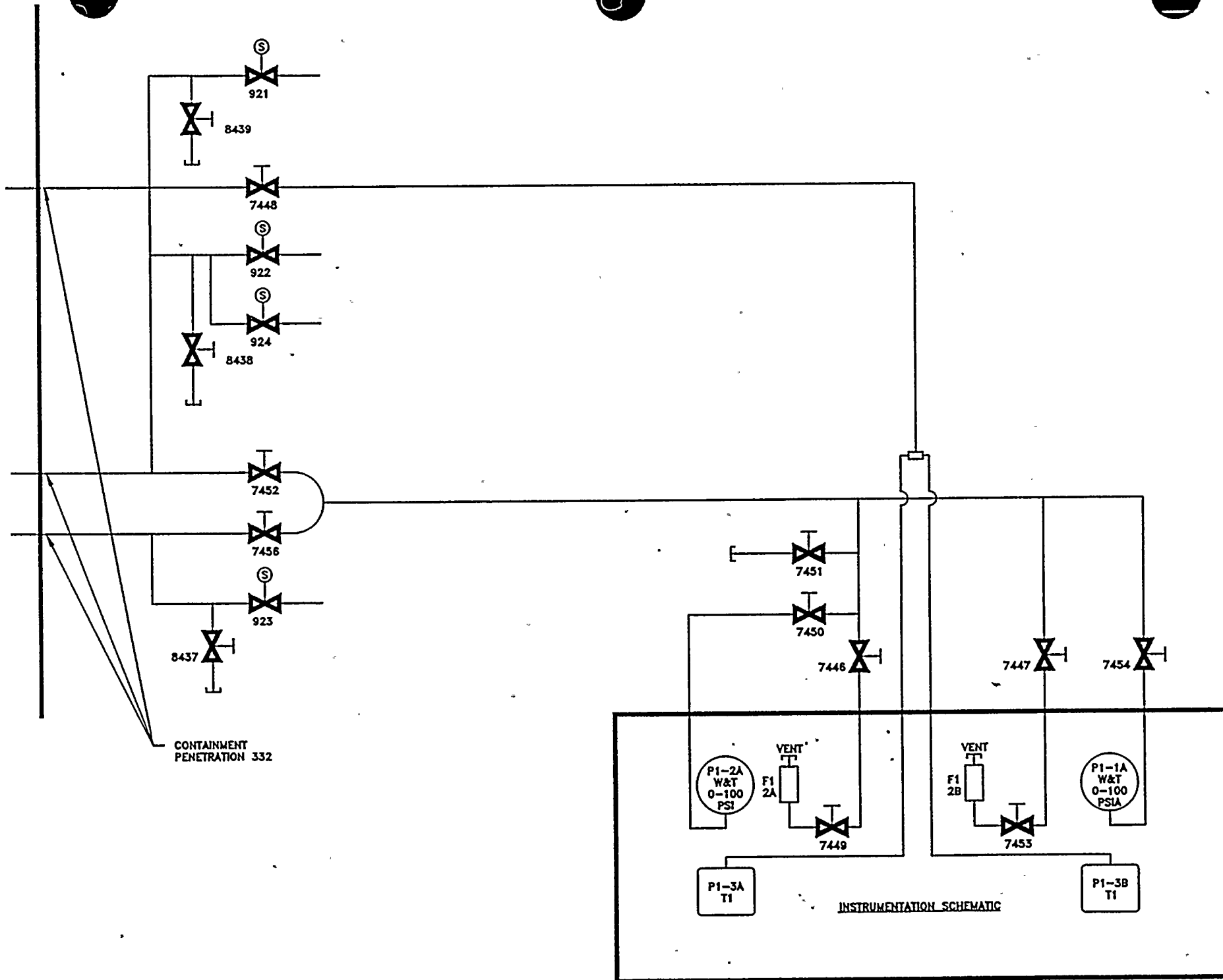












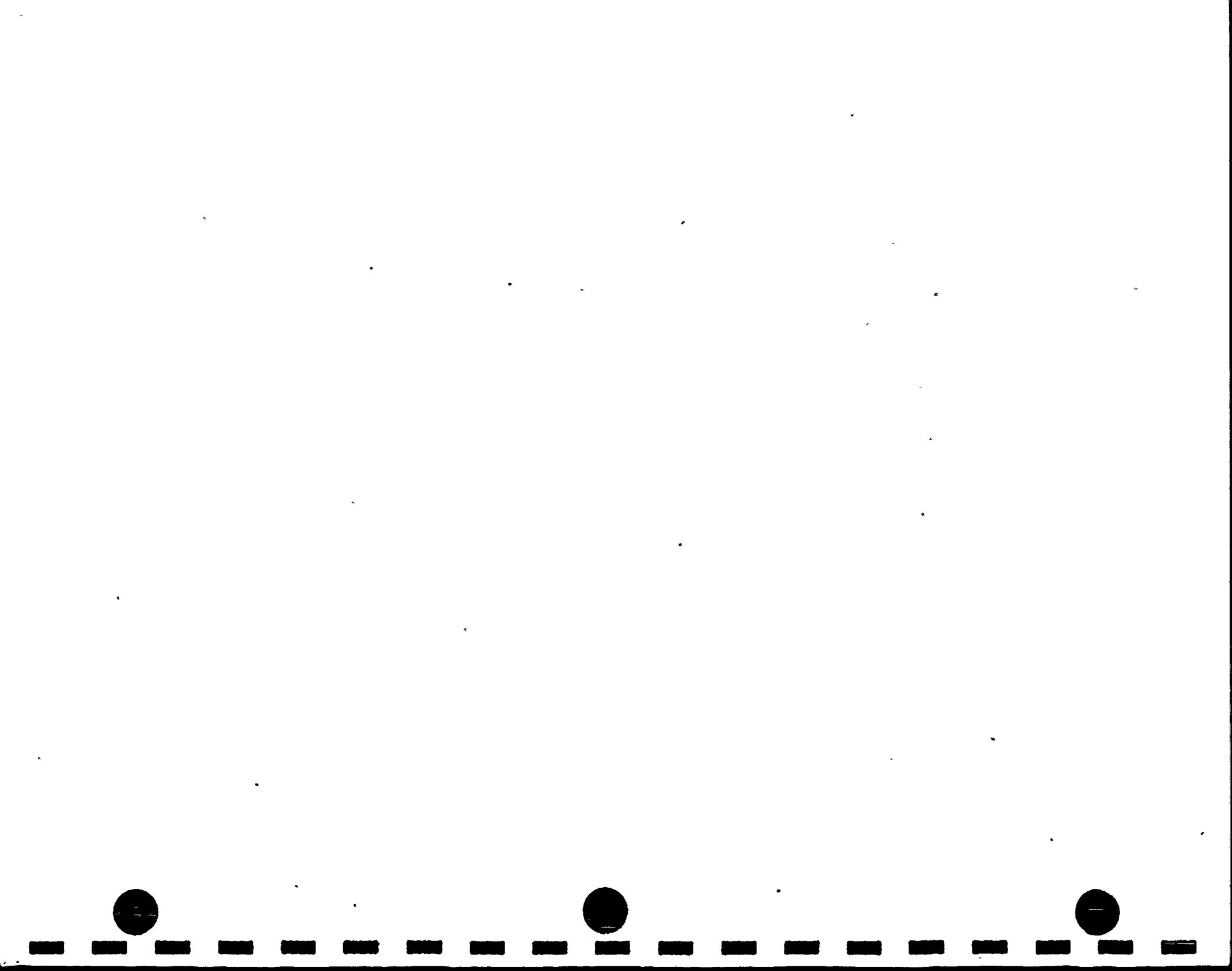


TABLE 2

TYPE B & C SUMMARY



1987

|                | <u>As Found Leakage</u> |  | <u>As Left Leakage</u> |
|----------------|-------------------------|--|------------------------|
| Type B (Pt-22) | 1979.94 cc/min.         |  | 1767.59 cc/min.        |
| Type C (PT-23) | <u>2709.24</u> cc/min.  |  | <u>830.59</u> cc/min.  |
| TOTAL          | <u>4689.18</u> cc/min.  |  | <u>2598.18</u> cc/min. |

1988

|        | <u>As Found Leakage</u> |  | <u>As Left Leakage</u> |
|--------|-------------------------|--|------------------------|
| Type B | 2355.78 cc/min.         |  | 813.46 cc/min.         |
| Type C | <u>742.08</u> cc/min.   |  | <u>226.24</u> cc/min.  |
| TOTAL  | <u>3097.86</u> cc/min.  |  | <u>1039.7</u> cc/min.  |

1989

|        | <u>As Found Leakage</u> |  | <u>As Left Leakage</u> |
|--------|-------------------------|--|------------------------|
| Type B | 1785.9 cc/min.          |  | 3215.3 cc/min.         |
| Type C | <u>1293.78</u> cc/min.  |  | <u>533.98</u> cc/min.  |
| TOTAL  | <u>3079.68</u> cc/min.  |  | <u>3749.28</u> cc/min. |





1989

# LEAKAGE SAVINGS

| AS FND<br>MIN PTH | AS LEFT<br>MIN PTH | ACC/MIN<br>PST MTC |           |   |
|-------------------|--------------------|--------------------|-----------|---|
| .6                | .6                 | 0.0                | PT-23.1   | Pressurizer Relief Tank Gas Analyzer Line                       |
| 1.1               | 1.1                | 0.0                | PT-23.2   | Nitrogen Supply to Pressurizer Relief Tank Line                 |
| .8                | .8                 | 0.0                | PT-23.3   | Makeup Water to Pressurizer Relief Tank                         |
| 0.0               | 0.0                | 0.0                | PT-23.5A  | Sump "B" to "A: RCDT Pump                                       |
| 0.0               | 0.0                | 0.0                | PT-23.5B  | Sump "B" to "B" RCDT Pump                                       |
| 0.0               | 0.0                | 0.0                | PT-23.6   | Letdown Line From Reactor Coolant System                        |
| 0.0               | 0.0                | 0.0                | PT-23.7   | Letdown From Reactor Coolant System                             |
| 16.0              | 16.0               | 0.0                | PT-23.8   | Reactor Coolant System Charging Line                            |
| 7.4               | 7.4                | 0.0                | PT-23.9A  | "A" Reactor Coolant Pump Seal Water Line                        |
| 10.5              | 10.5               | 0.0                | PT-23.9B  | "B" Reactor Coolant Pump Seal Water Line                        |
| 6.6               | 6.6                | 0.0                | PT-23.10  | Alternate Charging Line   |
| 69.7              | 69.7               | 0.0                | PT-23.11  | Reactor Coolant Pump Seal Water Return and Excess               |
| 0.0               | 0.0                | 0.0                | PT-23.12A | Pressurizer Steam Space Sample                                  |
| 0.0               | 0.0                | 0.0                | PT-23.12B | Pressurizer Liquid Space Sample                                 |
| 0.0               | 0.0                | 0.0                | PT-23.12C | Reactor Coolant System Sample Loop "B"                          |
| 0.0               | 0.0                | 0.0                | PT-23.13A | "A" Steam Generator Sample                                      |
| 251.5             | 0.0                | 251.5              | PT-23.13B | "B" Steam Generator Sample                                      |
| 2.8               | 2.8                | 0.0                | PT-23.14  | Containment Air Sample Inlet                                    |
| 8.5               | 8.5                | 0.0                | PT-23.15  | Containment Air Sample Out                                      |
| 0.0               | 0.0                | 0.0                | PT-23.16A | "A" Steam Generator Blowdown                                    |
| 360.0             | 0.0                | 360.0              | PT-23.16B | "B" Steam Generator Blowdown                                    |
| .55               | .55                | 0.0                | PT-23.17A | Containment Pressure Sensing Transmitters (PT 945 and 946)      |
| 0.0               | 0.0                | 0.0                | PT-23.17B | Containment Pressure Sensing Transmitters (PT 947 and 948)      |
| 0.0               | 0.0                | 0.0                | PT-23.17C | Containment Pressure Sensing Transmitters (PT 949, 950 and 944) |
| 29.0              | 29.0               | 0.0                | PT-23.18A | "A" Containment Spray Header                                    |
| 16.8              | 16.8               | 0.0                | PT-23.18B | "B" Containment Spray Header                                    |
| 0.0               | 0.0                | 0.0                | PT-23.19  | Safety Injection System   |
| 0.0               | 0.0                | 0.0                | PT-23.20  | Reactor Coolant Drain Tank Gas Header                           |
| 1.0               | 1.0                | 0.0                | PT-23.21  | Reactor Coolant Drain Tank Gas Analyzer                         |
| 1.2               | 1.2                | 0.0                | PT-23.22  | Reactor Coolant Drain Tank Discharge                            |
| 11.43             | 11.43              | 0.0                | PT-23.23  | Sump "A" Discharge  |



1989

# LEAKAGE SAVINGS

| AS FND<br>MIN PTH | AS LEFT<br>MIN PTH | ACC/MIN<br>PST MTC |            |   |
|-------------------|--------------------|--------------------|------------|---|
| 25.0              | 25.0               | 0.0                | PT-23.24   | Reactor Support Coolers (Inlet and Outlet)                  |
| .8                | .8                 | 0.0                | PT-23.26   | Auxiliary Coolant System to "A" Reactor Coolant Pump        |
| 0.0               | 0.0                | 0.0                | PT-23.27   | Auxiliary Coolant System to "B" Reactor Coolant Pump        |
| 0.0               | 0.0                | 0.0                | PT-23.28   | Auxiliary Coolant System From "A" Reactor Coolant Pump      |
| 29.0              | 29.0               | 0.0                | PT-23.29   | Auxiliary Coolant System From "B" Reactor Coolant Pump      |
| * 59.0            | 182.4              | -123.4             | PT-23.30   | Auxiliary Coolant System Excess Letdown (Supply and Return) |
| 1.8               | 1.8                | 0.0                | PT-23.32   | Instrument Air  |
| 0.0               | 0.0                | 0.0                | PT-23.33   | Service Air   |
| 0.0               | 0.0                | 0.0                | PT-23.34   | Containment Mini-Purge Exhaust                              |
| 0.0               | 1.1                | -1.1               | PT-23.35.1 | Purge Supply  |
| 0.8               | 16.5               | -15.7              | PT-23.36.1 | Purge Exhaust   |
| 30.5              | 30.5               | 0.0                | PT-23.39   | Demineralized Water   |
| 0.0               | 0.0                | 0.0                | PT-23.40   | Auxiliary Steam Supply and Condensate Return                |
| 0.0               | 0.0                | 0.0                | PT-23.42   | Leakage Test Depressurization                               |
| 0.0               | 0.0                | 0.0                | PT-23.43   | Leakage Test Supply Header                                  |
| 0.0               | 0.0                | 0.0                | PT-23.44   | Leakage Test/Containment Mini-Purge Supply                  |
| 1.5               | 0.0                | 1.5                | PT-23.45   | Containment H <sub>2</sub> Monitors                         |
| 224.0             | 0.0                | 224.0              | PT-23.46   | Nitrogen to Accumulators                                    |
| 0.0               | 0.0                | 0.0                | PT-23.49   | Construction Fire Service Water                             |
| 76.0              | 13.0               | 63.0               | PT-23.50A  | Containment Post Accident Air Sample (Clean Int. Bldg)      |
| 0.0               | 0.0                | 0.0                | PT-23.50B  | Containment Post Accident Air Sample (Controlled Int. Bldg) |
| 2.1               | 2.1                | 0.0                | PT-23.50C  | Containment Post Accident Air Sample (Aux. Bldg)            |
| 22.5              | 22.5               | 0.0                | PT-23.51A  | "A" Hydrogen Recombiner (Pilot and Main)                    |
| 6.5               | 6.5                | 0.0                | PT-23.51B  | "B" Hydrogen Recombiner (Pilot and Main)                    |
| 18.8              | 18.8               | 0.0                | PT-23.51C  | "A" and "B" Hydrogen Recombiner Oxygen Makeup               |
| 0.0               | 0.0                | 0.0                | PT-23.52   | Fire Service Water  |
| 1293.78           | 533.98             | 759.8              | TOTALS     |   |

\* Series Check Valve 743A Internals removed after initial test and prior to ILRT

