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March 19, 1992

U. S. Nuclear Regulatory Commission
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Dear Sirs:

Subject: Palo Verde Nuclear Generating Station (PVNGS)
Unit 2
Docket Nos. STN 50-529
Reactor Containment Building Integrated Leak Rate Test
File: 92-056-026; 92-019-419

Pursuant to 10 CFR 50, Appendix J, V.B., the enclosed provides the Reactor Containment Building Integrated Leak Rate Test for PVNGS Unit 2.

If you have any questions, please contact Michael E. Powell of my staff at (602) 340-4981.

Sincerely,



WFC/HWR/pmm

Enclosure

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ARIZONA PUBLIC SERVICE COMPANY
PALO VERDE NUCLEAR GENERATING STATION
UNIT 2
REACTOR CONTAINMENT BUILDING
1991 INTEGRATED LEAK RATE TEST
FINAL REPORT

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1. INTRODUCTION

The containment integrated leakage rate test (ILRT) is performed as required by 10CFR50 Appendix J (Reference 6.1) to demonstrate that leakage across the containment boundary at design basis accident pressure does not exceed the Technical Specification limit. Test methods and procedures are specified in ANSI N45.4-1972 (Reference 6.2) which is cited by Appendix J, and in BN-TOP-1 (Reference 6.3) which defines an alternative methodology acceptable to the Nuclear Regulatory Commission. The conduct of the ILRT follows a plant surveillance procedure (Reference 6.4) which contains detailed instructions for all test phases. References 6.1 and 6.3 provide two different options for the calculation of leakage rate. If the test has a duration of at least 24 hours, Reference 6.1 allows leakage rate calculations to be performed using the mass point method defined in ANSI/ANS 56.8-1987 (Reference 6.5). If test duration is less than 24 hours, leakage rate calculations must be performed using the total time method described in Reference 6.3. The 95% upper confidence limit (UCL) calculation derived in Reference 6.3 provides a very conservative upper bound on leakage rate. Since the test reported herein had a duration of 24 hours, mass point calculations were used to determine leakage rate and UCL.

The ILRT is described in detail in the following sections of this report. Section 2, Summary, gives a synopsis of test activities and results. Section 3, Methodology, discusses measurements and calculations. Section 4, Procedures, describes how the test was conducted. Section 5, Results, presents the parameters calculated during the ILRT and the associated acceptance criteria. Section 6 lists references and Section 7 includes all tables and figures cited in the text. The Appendices contains a description of the containment, a discussion of the computer program used to calculate leakage rate, a listing of all containment atmospheric condition data recorded during the test and, a tabulation of all Type B and C local leakage rate testing results obtained since the previous ILRT.

Numerous tables in this report are generated by the program used to calculate leakage rate. In these tables, leakage rate is listed to four decimal places. In the text of the report, these values are rounded off to three decimal places. This is done to limit the implied accuracy of leakage rate determination to a more reasonable level.

2. SUMMARY

The PVNGS Unit 2 ILRT was conducted between December 17 and December 20, 1991. Pressurization commenced at 1:35 PM (all times in MST) on December 17 following the completion of all prerequisite activities, and the containment was isolated at 6:32 AM on the following day when pressure had reached 50.3 psig. Numerical temperature stabilization criteria were met at 11:00 AM. However, at this time, the plot of containment air quantity still indicated a large, but decreasing, leakage rate. The stabilization period was extended to 4:45 PM, by which time the plot showed a much smaller and reasonably constant rate. The decrease in rate over the 10 hour stabilization period resulted, at least in part, from a slow migration of air into penetration volumes.

2. SUMMARY (continued)

A successful Type A test was conducted between 4:45 PM on December 18 and 4:45 PM on December 19. A 24 hour test duration was specified for two reasons. First, the total time upper confidence limit remained above 0.75 La for the first 15 hours of the Type A test. If total time calculations had been used to establish leakage rate acceptability, the minimum overall (to the end of verification) test duration necessary to satisfy BN-TOP-1 requirements would have been 24 hours, or only 4 hours less than the 28 hour minimum duration required for a test in which mass point calculations are used. Second, minimum pathway leakage improvements made during the Type B and C testing program were 0.052 %/day. To meet the as-found acceptance criterion of 0.1 %/day, the Type A test UCL could not exceed 0.048 %/day. It was necessary to extend the Type A test to 24 hours to meet this UCL limit (using mass point calculations).

The verification test imposed leak was initiated just after 4:45 PM, and a successful four hour verification test was conducted between 5:00 and 9:00 PM. Depressurization commenced just after 9:00 PM and was complete at about 2:00 PM on December 20. Test results are listed below:

95 % UCL on mass point leakage rate	0.031 %/day
Acceptance limit (0.75 La)	0.075 %/day
Verification test mass point calculated leakage rate	0.121 %/day
Upper acceptance limit	0.158 %/day
Lower acceptance limit	0.108 %/day

The final as-left leakage rate (UCL) is 0.031 %/day since additions for minimum pathway leakage through penetrations in non-standard alignment and for containment water inventory increase sum to less than 0.0005 %/day.

The calculated as-found leakage rate (UCL) is 0.083 %/day. This is the sum of the 0.031 %/day as-left UCL and the 0.052 %/day minimum pathway leakage improvements made during the local leakage rate testing program. The calculated as-found leakage rate is less than the acceptance limit of 0.100 %/day.

3. METHODOLOGY

3.1 Leakage Rate Calculation

Integrated leakage rate is determined by pressurizing the containment to design basis accident pressure and calculating the average rate of loss of dry air from the structure over a specified time period. The quantity of dry air in the containment is computed using the ideal gas law and measurements of drybulb temperature, dewpoint temperature and absolute pressure. A single average drybulb temperature, T , is calculated as the sum of the products of 24 measured temperatures and their associated weighting factors (discussed below). Individual dewpoint temperatures (6) are converted to vapor pressures using the ASME Steam Tables saturation

3.1 Leakage Rate Calculation (continued)

line algorithm. A single average vapor pressure is calculated in the same manner as is average temperature. Dry air partial pressure, P , is measured total pressure less average vapor pressure. The quantity of air in the containment is:

$$M = PV/RT$$

where M is quantity in mass units, V is containment free air volume, R is the gas constant for air and P and T are defined above. Containment free air volume used for ILRT calculations is 2,600,000 cubic feet. R , in English units, is 53.35 pounds force-feet/pounds mass-degrees Rankine. The partial pressure of dry air is used in the computation so that pressure changes resulting from evaporation of liquid water and condensation of vapor do not affect calculated leakage rate.

If leakage rate is constant, it is best defined as the slope of a line fitted to a series of air mass/time data sets. Leakage rate expressed in fractional, or percentage, terms is the slope of the line divided by the initial air mass. This is the mass point determination defined in Reference 6.5. Since there is always some scatter of individual data points about a fitted line, there is always some uncertainty regarding the true slope of the line. This uncertainty is quantified statistically by confidence limits. The 95 % upper confidence limit (UCL) on the leakage rate is calculated and this UCL, plus adjustments for leakage through paths blocked during the test and changes in containment water inventory, must not exceed 75 % of L_a . L_a ($=0.1$ %/day) is the maximum allowable leakage rate defined in the Technical Specifications. When leakage rate is determined using mass point calculations, the duration of the Type A test (as opposed to the verification test which is defined below) must be at least 24 hours in accordance with the requirements outlined in Reference 6.2.

Following the conclusion of the Type A test, the calculational method is verified by imposing an additional leak on the containment and calculating the new rate. The new calculated rate must equal the sum of the previously calculated rate and the imposed rate plus or minus a tolerance of $L_a/4$. The imposed leak, vented from the containment through a flow meter, is approximately equal to L_a . This supplemental, or verification, test also provides a rough check on pressure measurement since a significant error in the measurement of pressure change will result in a calculated leakage rate which is outside the acceptance band.

3.2 Test Measurements

Leakage rate calculations are based on data taken from drybulb and dewpoint temperature sensors located inside the containment and absolute pressure transducers connected to the containment through a piping penetration. Twenty-four drybulb temperature sensors and 6 dewpoint temperature sensors were placed in the containment at approximately equally spaced elevations. In addition, three information only drybulb temperature sensors were positioned as described below. As-installed



3.2 Test Measurements (continued)

sensor locations and weighting factors (volume fractions) are listed in Table 1, Sensor Locations and Weighting Factors. Due to erratic data resulting from a possible ground fault in the wiring between the sensor and the data acquisition system, the temperature at dewpoint sensor ME-1 could not be used in the leakage rate calculation. This sensor was declared inoperable and its weighting factor was reassigned to vertically adjacent ME-2.

Sensor locations and weighting factors were established by considering temperature distributions in past tests. Since both drybulb and dewpoint temperatures tend to exhibit a pronounced vertical stratification at the completion of pressurization and throughout the test, sensors were set at approximately equally spaced elevations and the volume associated with each sensor was taken as a horizontal slice through the containment. Each sensor was positioned close to the vertical centroid of its horizontal slice volume. While there is no evidence that containment atmospheric conditions vary significantly with plan location at a fixed elevation, the possibility of an unusual in-plane temperature distribution was provided for by horizontally offsetting each sensor from its vertically adjacent neighbors.

Above the refuelling floor at El. 140 ft., sensors were placed in a spiral pattern with most devices on a 51 ft. radius. The uppermost sensors were set on a 33 ft. radius in order to maintain a reasonable distance from the curved surface of the dome. Below the refuelling floor, sensors were generally mounted in open areas with good vertical ventilation. Most were positioned about midway between the secondary shield and the containment wall. An approximate spiral pattern was maintained below El. 170 ft. but, open, well ventilated locations were considered more important than those which fit a predetermined spiral configuration. One temperature sensor was suspended in the refuelling cavity which is effectively isolated from the remaining lower volume of the containment. Three temperature sensors were located inside the secondary shields to provide temperature distribution information for future tests. The data provided by these sensors were not used in the calculation of leakage rate.

Sensors above El. 170 ft. were suspended from aircraft cable loops attached to spray ring supports and from the polar crane. Those below that elevation were supported by various steel structures. Principal characteristics of the containment, many of which are relevant to sensor placement, are described in Appendix I.

Drybulb temperatures were measured using 100 Ohm platinum resistance temperature detectors (RTD's). Dewpoint temperatures were measured by chilled mirror dew cells. These devices use a thermoelectric junction to cool a small mirror. The amount of light reflected by the mirror from a light source to a photodetector changes when the mirror cools to the dewpoint and collects condensation. A small RTD senses mirror temperature which is controlled at the dewpoint by the photodetector circuit. The dewpoint temperature sensors are completely self contained units requiring 24 V DC input power. The RTD sensing mirror temperature provides the

3.2 Test Measurements (continued)

output (a resistance). The RTD's and dew cells were connected to the data acquisition system and 24 V power supply through containment electrical penetrations.

Absolute pressure was measured by a vibrating cylinder manometer. This device uses an electronic circuit to determine a modal frequency of a cylinder subjected to vacuum on one side and test pressure on the opposite side. The detected frequency varies approximately linearly with pressure. An internal microprocessor is programmed during calibration to convert frequency to true absolute pressure in engineering units. The manometer has a resolution of 0.0001 psi and a stability of 0.001 psi. The stability figure is based on recorded deviations between the indications of 2 manometers over the 24 hour test duration.

A digital data acquisition system was used to collect drybulb and dewpoint temperature data and transfer that data to the ILRT computer over an IEEE-488 (parallel bit transmission) bus. The data system included the conditioning circuitry for the RTD's used to sense drybulb and dewpoint temperatures. RTD resistance was converted to temperature with a 0.006 deg C resolution. The manometers were connected to the same IEEE-488 bus as the data acquisition system and provided output directly to the computer. Timing was controlled by the data acquisition system, which was set to scan the drybulb and dewpoint temperature inputs and send a service request signal out on the bus at 15 minute intervals. The service request signal triggered the ILRT software to read the data acquisition system output (time, date, temperature data and various headings and labels) and poll the manometers for pressure data.

The computer used was a small IBM compatible running a compiled BASIC program. The program is described in Appendix II.

Other instrumentation included a variable area flowmeter (connected to a containment piping penetration) to measure imposed leakage during the verification test and two analog indicators used to measure containment gage pressure. All temporary instrumentation was calibrated to the requirements of Reference 6.4 prior to the ILRT and, with the exception of dewpoint sensor ME-1, performed well during the test. Permanent plant instrumentation was used to measure pressurizer and sump levels, reactor coolant temperature and outside air temperature. Water level data are used to correct calculated leakage rate if level rises significantly during the test. Reactor coolant and outside air temperatures are recorded for information only.

4. PROCEDURES

4.1 Plant Status

Plant systems were aligned for the ILRT as specified in Reference 6.4 which incorporates both UFSAR (Updated Final Safety Analysis Report) and operational requirements. Isolation valves were set in post-accident

4.1 Plant Status (continued)

positions except where the opposite positions were required to maintain the reactor in a safe shutdown condition. Piping was vented and drained to expose valve seats to containment and outside atmospheres per UFSAR requirements. All compressed gas sources were either vented or removed from the containment. All Type B and C local leakage rate tests, except the as left test on penetration 27 ("A" shutdown cooling) and those on penetrations used for pressurization, pressure sense and verification test outflow, were completed prior to the start of the ILRT. Containment sumps were pumped down before the pump discharge penetration 9 was isolated and drained. One loop of shutdown cooling was in operation throughout the test to remove core decay heat and the second was maintained in standby. All containment fans and lighting were shut off prior to the start of pressurization. The official test copy of Reference 6.4 documents plant status including all exceptions to specified conditions.

4.2 Prerequisite Activities

System lineups, equipment protection (against test pressure) work, containment cleanup and ILRT instrument installation were performed over a period of several days prior to the start of pressurization. After instruments were connected in the containment, these were checked to verify correct response. The drybulb temperature sensors were placed, one at a time, in an ice bath and a data system response of 32 deg F (+/- a tolerance of 1 deg F) was verified. Dewpoint temperature sensor performance was evaluated using an independent instrument which measured ambient drybulb temperature and relative humidity. Temperature and humidity were converted to dewpoint which was compared to the chilled mirror device indications. Agreement to within 5 deg F was verified. A temperature survey was conducted to confirm the containment temperature distribution assumed when RTD layout and weighting factor calculations were done. The survey demonstrated that temperature varies significantly only with elevation, as assumed. Final sensor positions were documented following the survey and are listed in Table 1.

The containment examination specified in Reference 6.1 was performed following the completion of the final Type C test. No adverse indications were found during this examination.

All prerequisite activities are documented in the official test copy of Reference 6.4.

4.3 Pressurization

The containment was pressurized using diesel driven, oil free compressors having an aggregate capacity of just over 10000 SCFM. The compressors discharged through two skid mounted aftercooler/refrigerated air dryer trains and a final filter. The skid was permanently fitted with a



4.3 Pressurization (continued)

blowdown silencer, a relief valve and all valving required to pressurize, depressurize and isolate the containment. The skid discharge valve was bolted to containment penetration 58 which is located adjacent to the E1. 100 airlock. A Tee was mounted to the flange at the inside of penetration 58 to split the air flow into two tangential (to the containment wall) streams. Skid cooling water flow was provided by temporary pumps submerged in the spray pond. Cooling water circulated through the aftercoolers and dryers and discharged back into the pond.

Pressurization commenced at 1:35 PM on December 17 and was stopped at 6:32 AM on the following day when pressure reached 50.3 psig. The rate of pressure increase was reasonably uniform as shown on Figure 1, Pressure vs. Time During Pressurization, which is a plot of containment pressure vs. time. The containment was isolated by closing the valve bolted to penetration 58. Skid piping was vented to ensure atmospheric pressure outboard of this valve. During pressurization, piping in the penetration rooms was examined for evidence of containment leakage. Nothing of significance was found.

4.4 Stabilization

The stabilization period mandated by Reference 6.3 commenced at 6:45 AM on December 18 and the numerical stabilization criteria (Table 2, Temperature Stabilization Report) specified in Reference 6.4 were met by 11:00 AM. However, at this time the rate of change of calculated containment air mass was larger than the allowable leakage rate. The acceptance limit of 0.075 %/day is equivalent to a loss of about 26 lbm (pounds mass) per hour. Both Table 3, Data Summary Report, a listing of stabilization period summary data, and Figure 2, Air Mass vs. Time During Stabilization, a plot of air mass, show a loss of about 37 lbm over the hour from 10:00 to 11:00 AM. Therefore, it was decided to continue the stabilization period until an actual leak was found and isolated or until the slope of the plot had decayed to a much smaller and stable value (a gradual drop in the rate of mass loss is a common occurrence for reasons discussed in the following paragraph).

The stabilization period was eventually extended to 10 hours. Leak searches were continued throughout this period and, although no significant out leakage from the containment was found, pressure gages on the purge penetration test connections showed a slow leakage into the volumes between isolation valves. It was assumed that there were slow leakages into other penetrations, as well. This type of phenomenon, slow migration of air into large volumes, affects calculated leakage rate even though it is not actual out leakage from the containment. Calculated rate is initially quite large but decreases as pressures reach equilibrium values and the air mass plot tends to a straight line (with the expected data scatter). The phenomenon is illustrated in Figure 2 which shows the slope of the air mass plot to decrease slowly, reaching a reasonably constant value at the end of the stabilization period. Based on the trend of the plot, it was decided to end stabilization and start the Type A test at 4:45 PM.

4.4 Stabilization (continued)

Temperature variation over the stabilization period is illustrated in Figure 3, Mean Temperature vs. Time During Stabilization. Average temperature varied smoothly and almost exponentially, as expected.

4.5 Type A Test

The Type A test commenced at 4:45 PM on December 18 and was completed without incident in 24 hours. The total time UCL (Reference 6.3 explains total time calculations) remained above 0.75 La for the first 15 hours of the Type A test. The test could have been terminated at a duration of 15.25 hours but the UCL at this time was still well above the 0.048 %/day required for an acceptable as-found result (the sum of the Type A test UCL and the 0.052 %/day minimum pathway improvements made during the Type B and C testing program) and based on trend, was not expected to fall below this value until the 24th hour data set. (The marked drop in total time UCL at 24 hours is explained in Paragraph 5.4.) If the Type A test had ended at 15.25 hours, meeting BN-TOP-1 (Reference 6.3) requirements would have resulted in a minimum overall duration to the end of verification, of 24 hours, not including the quarter hour required to establish the verification test metered flow. Since the mass point UCL was already below 0.048 %/day, it was decided to extend the Type A test duration to 24 hours. As a result, the as-found acceptance criteria was met and overall duration, at 28 hours, was only 4 hours more than the minimum which would have been necessary for a BN-TOP-1 test. As discussed in Section 3, 24 hours is the minimum duration for a Type A test if mass point calculations are used to determine reported leakage rate. A BN-TOP-1 test may be as short as 6 hours if all acceptance criteria specified in Reference 6.3 are met.

Containment atmospheric condition data were recorded at 15 minute intervals during the Type A test as well as during the pressurization, stabilization and verification phases. Pressurizer level and sump levels were recorded hourly to provide the data needed to establish containment water inventory. An increasing inventory (generally the result of primary system injections required to make up loss to the sumps through the reactor coolant pump seals) is equivalent to a negative leakage and requires a correction to the calculated rate and UCL. Level changes recorded during the test were insignificant and no correction was required.

4.6 Verification Test

The leakage rate calculated for the Type A test (L_{am}) is verified by venting air from the containment at a measured rate, L_o , approximately equal to L_a . The calculated composite leakage rate must equal the sum of L_{am} and L_o plus or minus a tolerance of $0.25L_a$. The induced leak, L_o , is measured by venting the air through a flowmeter. A variable area flow meter was used. An induced leak of 8.0 SCFM (equivalent to 0.103 %/day) was initiated just after 4:45 PM on December 19 and the verification test was commenced at 5:00 PM. The verification test was completed without incident in the required minimum time of 4 hours.

4.7 Depressurization and Restoration

Depressurization commenced just after 9:00 PM on December 19 and was complete at about 2:00 PM on the following day. The containment was depressurized by venting directly to the outside atmosphere through penetration 58 and a silencer. Discharge air was monitored to ensure against the release of radioactive material. The containment and the various systems and components modified for ILRT performance were restored to normal operational configurations following the completion of depressurization.

5. RESULTS

5.1 Type A Test

The acceptance criterion specified in Reference 6.4 was met quite early in the 24 hour test period. The end of test calculated leakage rate and UCL, and the acceptance limit on the latter, are listed below.

Calculated mass point leakage rate	0.030 %/day
Acceptance limit	None
95 % UCL on mass point leakage rate	0.031 %/day
Acceptance limit	0.075 %/day

The acceptance limit is based on the maximum allowable leakage rate of 0.1 %/day set forth in the Technical Specifications. For return to power, Reference 6.1 stipulates that containment leakage rate must be less than 75 % of the maximum allowable rate. The remaining 25 % provides a margin for deterioration of the leakage boundary during the subsequent operating cycle. The 75 % criterion is applied by Reference 6.5 to the UCL value.

Mass point rates computed for successive hours of test duration are listed in Table 4, Mass Point Leakage Rate Report, and the variations in calculated rate and UCL are plotted in Figure 4, Variation in Leakage Rate and UCL with Type A Test Duration. The UCL converges to the calculated rate as test duration increases. This is as expected for well ordered data. It is to be noted that Figure 4, as well as all other plots presented in this report, is a representation of discrete, 15 minute interval data sets. The straight lines connecting data points are generated by the plotting software and do not represent actual variations in the plotted parameters.

The final as left leakage rate is the sum of the above UCL, the additions for minimum pathway leakage through penetrations in non-standard alignment and the correction for containment water inventory increase. Water inventory did not change during the Type A test. The additions for penetrations in non-standard alignment are tabulated as follow:

5.1 Type A Test (continued)

Penetration	Function	Rate, sccm
58	Pressurization/Depressurization	2
62B	Pressure Sense	2
62C	Verification Flow	2
Total		6 sccm

The equivalent leakage rate is 0.000003 %/day. The final as-left leakage rate UCL remains unchanged at 0.031 %/day since the addition is effectively zero.

Containment conditions during the Type A test were reasonably typical. Air mass, mean temperature, total pressure and mean vapor pressure are plotted on Figure 5, Air Mass vs. Time During Type A Test, Figure 6, Mean Temperature vs. Time During Type A Test, Figure 7, Pressure vs. Time During Type A Test, and Figure 8, Mean Vapor Pressure vs. Time During Type A Test, respectively. The air mass shows a generally linear trend with a negative slope, as expected. However, there appears to be a significant loss of air occurring between 10:00 and 11:30 PM on December 18. On average, air mass falls about 10 lbm per hour. Over the time period in question, the drop was about 90 lbm, or approximately 6 times more than would be expected considering the average trend. Reviews of plant status and ILRT instrument performance provided no explanation for this phenomenon. In other respects, the air mass data is quite reasonable for a large pressurized water reactor containment. The magnitude of the variation in air mass is put into perspective by the lower dashed line on the plot which has a slope equivalent to 0.75 La. The upper dashed line is the regression line fitted to the individual data points.

Containment mean temperature, Figure 6, decreased slowly, but smoothly, during the test which is typical if there is no containment cooling in operation during pressurization. Total pressure, Figure 7, followed the same trend as temperature. The temperature decrease of 0.81 deg F is responsible for 0.097 psi of the indicated 0.132 psi pressure decrease. Since such a major portion of the pressure decrease is due to temperature, it is reasonable to expect the plot in Figure 7 to look similar to that in Figure 6.

Vapor pressure, which is plotted in Figure 8, varied almost linearly with time and decreased 0.016 psi over the course of the test. Leakage rate is effectively determined by the temperature corrected change in total pressure less the change in vapor pressure. The .016 psi change in vapor pressure is almost half of the 0.035 psi change in corrected total pressure. This shows what a significant impact calculated vapor pressure has on the determination of leakage rate.



5.2 As-Found Leakage Rate

The leakage rate which would have been found if the test had been conducted at the beginning of the outage, and prior to isolation valve repairs, can be estimated by adding minimum pathway improvements to the as-left leakage rate. The minimum pathway improvements made during the Type B and C local leakage rate testing program are listed below (see Appendix IV data).

<i>Penetration</i>	<i>Function</i>	<i>Minimum Pathway Improvement, sccm</i>
21	Containment Spray	54
22	Containment Spray	80
29	Low Pressure Nitrogen	15
34	Nuclear Cooling Return	112216
57	Purge Exhaust	259
67	Long Term Recirculation	224
72	Reactor Coolant Pump Seal Injection	1
77	Long Term Recirculation	105
78	Purge Supply	25
79	Purge Exhaust	3
<i>Total Minimum Pathway Improvements</i>		<i>112982 sccm</i>

At the end of the Type A test, mean temperature and absolute pressure were 74.57 deg F and 63.821 psia, respectively (see Appendix III data list). At these conditions, and for a containment volume of 2600000 cubic feet, 112981 sccm is equivalent to a leakage rate of 0.052 %/day. The estimated as-found leakage rate (UCL) is calculated below.

<i>As-left UCL leakage rate</i>	<i>0.031 %/day</i>
<i>Minimum pathway improvements</i>	<i>0.052 %/day</i>
<i>As-found leakage rate (sum of the above)</i>	<i>0.083 %/day</i>
<i>Acceptance Limit</i>	<i>0.100 %/day</i>

5.3 Verification Test

The verification test induced leak was imposed after the completion of the Type A test and adjusted to a flowmeter indication of 8 SCFM. At the temperature and pressure conditions listed above for the end of the Type A test, this is equivalent to a leakage rate of 0.103 %/day. Test duration was four hours, which is the minimum required by Reference 6.4. Results are detailed in Table 5, Verification Leakage Rate Report, and summarized below.

<i>Upper limit on mass point calculated leakage rate</i>	<i>0.158 %/day</i>
<i>Mass point calculated leakage rate</i>	<i>0.121 %/day</i>
<i>Lower limit on mass point calculated leakage rate</i>	<i>0.108 %/day</i>

The calculated rate is within the acceptance band which is the sum of Type A test mass point rate and the induced rate plus or minus 0.25 La. Figure 9 illustrates the verification test results graphically.

5.4 Total Time Results

The BN-TOP-1 (Reference 6.3) total time method was used, in addition to the mass point method, to calculate leakage rate during the Type A test. As discussed in Paragraph 4.5, it was decided to perform a 24 hour test. Therefore total time calculations are not required. These are, however, listed (along with mass point results as referenced values) for information in Table 6, Total Time and Mass Point Leakage Rates and UCLs. The final total time UCL shown in the table is considerably less than the previous value and is, in fact, well below the 0.048 %/day required to meet the as-found acceptance criterion. This does not result from any anomaly in the test data, but rather, from a change in the method of calculation. The UCL calculation developed in Reference 6.3, which must be used if test duration is less than 24 hours, includes a very conservative error. This error results in a calculated UCL which is much greater than the true UCL on total time calculated leakage rate. Since the requirements of Reference 6.3 do not apply if test duration is at least 24 hours, the final UCL in the table is calculated as a true UCL.



6. REFERENCES

- 6.1 Code of Federal Regulations, Title 10, Part 50, Appendix J, Reactor Containment Leakage Testing For Water Cooled Power Reactors.
- 6.2 ANSI N45.4-1972, Leakage Rate Testing Of Containment Structures For Nuclear Reactors.
- 6.3 Bechtel Topical Report BN-TOP-1, Testing Criteria For Integrated Leakage Rate Testing Of Primary Containment Structures For Nuclear Power Plants, Revision 1, 1972.
- 6.4 PVNGS Surveillance Test Procedure 73ST-2CL02, INTEGRATED LEAKAGE RATE TEST, Revision 0.
- 6.5 ANSI/ANS 56.8-1987, Containment System Leakage Testing Requirements.

7. TABLES AND FIGURES

Tables and figures referenced in the text follow on subsequent pages.

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TABLE 1

SENSOR LOCATIONS AND WEIGHTING FACTORS

Sensor No.	Type	Elev., ft.	Radius, ft.	Bearing, deg.	Weighting
TE-01	Drybulb	272	33	60	0.032
TE-02	Drybulb	260	33	120	0.040
TE-03	Drybulb	250	51	180	0.044
TE-04	Drybulb	241	51	240	0.045
TE-05	Drybulb	233	51	300	0.045
TE-06	Drybulb	225	51	0	0.048
TE-07	Drybulb	217	51	60	0.049
TE-08	Drybulb	209	51	120	0.049
TE-09	Drybulb	201	51	167	0.049
TE-10	Drybulb	193	51	202	0.050
TE-11	Drybulb	185	51	338	0.050
TE-12	Drybulb	177	51	25	0.050
TE-13	Drybulb	169	59	131	0.050
TE-14	Drybulb	161	57	194	0.043
TE-15	Drybulb	153	58	246	0.043
TE-16	Drybulb	145	60	42	0.045
TE-17	Drybulb	136	54	334	0.037
TE-18	Drybulb	128	63	43	0.034
TE-19	Drybulb	120	56	223	0.034
TE-20	Drybulb	112	67	276	0.033
TE-21	Drybulb	104	61	0	0.033
TE-22	Drybulb	96	62	180	0.032
TE-23	Drybulb	86	60	254	0.039
TE-24	Drybulb	125	32	90	0.025
TE-25	(Information only sensor inside secondary shield)				0
TE-26	(Information only sensor inside secondary shield)				0
TE-27	(Information only sensor inside secondary shield)				0
ME-01	Dewpoint	260	33	120	0.161
ME-02	Dewpoint	225	51	0	0.192
ME-03	Dewpoint	193	51	202	0.199
ME-04	Dewpoint	161	57	194	0.181
ME-05	Dewpoint	128	63	43	0.148
ME-06	Dewpoint	96	62	180	0.119

Notes:

- a. Elevation references - base mat fill concrete top at El. 80 ft.
springline at El. 213.5 ft.
dome soffit at El. 286.5 ft.
- b. Radius reference - containment internal radius = 73 ft.
- c. Weighting factors are predetermined values and do not reflect changes made as a result of instrument loss.

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TABLE 2

TEMPERATURE STABILIZATION REPORT

Start Time = 645 1218

* = stabilization criterion satisfied

data set	elapsed time, hr	temperature T, deg F	dT1 avg dT (1 hr)	dT4 avg dT (4 hr)	- ANSI - dT1-dT4	-- BN-TOP-1 ---	
						dT avg (2 hr)	or d(dT) avg (2 hr)
1	0.00	79.632					
2	0.25	78.927					
3	0.50	78.427					
4	0.75	78.057					
5	1.00	77.766	-1.866				
6	1.25	77.536	-1.391				
7	1.50	77.341	-1.086				
8	1.75	77.179	-0.878				
9	2.00	77.040	-0.726			-1.296	1.131
10	2.25	76.911	-0.625			-1.008	0.743
11	2.50	76.802	-0.539			-0.812*	0.521
12	2.75	76.696	-0.483			-0.681*	0.371*
13	3.00	76.600	-0.440			-0.583	0.268*
14	3.25	76.514	-0.397			-0.511*	0.218*
15	3.50	76.436	-0.366			-0.452*	0.168*
16	3.75	76.367	-0.329			-0.406*	0.142*
17	4.00	76.293	-0.307	-0.835	0.528-	-0.374*	0.108*
18	4.25	76.237	-0.277	-0.673	0.396*	-0.337*	0.107*
19	4.50	76.182	-0.254	-0.561	0.308*	-0.310*	0.102*
20	4.75	76.126	-0.241	-0.483	0.241*	-0.285*	0.080*
21	5.00	76.084	-0.209	-0.421	0.212*	-0.258*	0.088*
22	5.25	76.024	-0.213	-0.378	0.165*	-0.245*	0.037*
23	5.50	75.977	-0.205	-0.341	0.136*	-0.229*	0.042*
24	5.75	75.931	-0.195	-0.312	0.117*	-0.218*	0.057*
25	6.00	75.885	-0.199	-0.289	0.090*	-0.204*	0.019*
26	6.25	75.850	-0.174	-0.265	0.091*	-0.193*	0.041*
27	6.50	75.814	-0.163	-0.247	0.084*	-0.184*	0.039*
28	6.75	75.771	-0.159	-0.231	0.072*	-0.177*	0.001*
29	7.00	75.731	-0.154	-0.217	0.064*	-0.176*	0.038*
30	7.25	75.695	-0.155	-0.205	0.049*	-0.165*	0.024*
31	7.50	75.658	-0.156	-0.195	0.039*	-0.160*	0.017*
32	7.75	75.628	-0.143	-0.185	0.042*	-0.151*	0.033*
33	8.00	75.597	-0.134	-0.174	0.040*	-0.144*	0.005*
34	8.25	75.566	-0.129	-0.168	0.039*	-0.142*	0.012*
35	8.50	75.531	-0.127	-0.163	0.036*	-0.141*	0.014*
36	8.75	75.509	-0.119	-0.154	0.035*	-0.131*	0.037*
37	9.00	75.477	-0.120	-0.152	0.032*	-0.127*	0.008*
38	9.25	75.451	-0.116	-0.143	0.028*	-0.122*	0.022*
39	9.50	75.433	-0.098	-0.136	0.038*	-0.113*	0.023*
40	9.75	75.411	-0.098	-0.130	0.032*	-0.109*	0.020*
41	10.00	75.382	-0.095	-0.126	0.030*	-0.107*	0.002*



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TABLE 3

DATA SUMMARY REPORT

data set	time	date	temperature deg F	pressure psia	vapor pressure psia	dry air mass lbm
1	645	1218	79.6321	64.4684	0.3390	834499.82
2	700	1218	78.9272	64.3918	0.3348	834649.11
3	715	1218	78.4268	64.3382	0.3342	834734.55
4	730	1218	78.0571	64.2971	0.3336	834779.62
5	745	1218	77.7661	64.2644	0.3336	834803.75
6	800	1218	77.5361	64.2374	0.3321	834829.07
7	815	1218	77.3406	64.2146	0.3310	834848.25
8	830	1218	77.1790	64.1945	0.3313	834834.31
9	845	1218	77.0398	64.1771	0.3310	834827.25
10	900	1218	76.9109	64.1615	0.3296	834840.85
11	915	1218	76.8018	64.1472	0.3290	834831.52
12	930	1218	76.6961	64.1342	0.3287	834830.54
13	945	1218	76.5998	64.1222	0.3286	834824.86
14	1000	1218	76.5136	64.1109	0.3277	834821.63
15	1015	1218	76.4358	64.1009	0.3272	834819.21
16	1030	1218	76.3674	64.0911	0.3270	834801.28
17	1045	1218	76.2926	64.0819	0.3265	834803.23
18	1100	1218	76.2370	64.0734	0.3261	834783.62
19	1115	1218	76.1822	64.0654	0.3259	834765.57
20	1130	1218	76.1261	64.0576	0.3256	834756.27
21	1145	1218	76.0840	64.0506	0.3252	834733.73
22	1200	1218	76.0244	64.0439	0.3247	834745.37
23	1215	1218	75.9768	64.0370	0.3243	834736.64
24	1230	1218	75.9306	64.0311	0.3242	834731.89
25	1245	1218	75.8847	64.0252	0.3236	834733.53
26	1300	1218	75.8503	64.0188	0.3234	834706.63
27	1315	1218	75.8137	64.0126	0.3231	834685.80
28	1330	1218	75.7714	64.0074	0.3228	834686.87
29	1345	1218	75.7310	64.0018	0.3232	834672.84
30	1400	1218	75.6952	63.9971	0.3227	834672.67
31	1415	1218	75.6578	63.9925	0.3217	834683.24
32	1430	1218	75.6283	63.9874	0.3215	834665.19
33	1445	1218	75.5966	63.9829	0.3211	834661.33
34	1500	1218	75.5661	63.9788	0.3210	834656.13
35	1515	1218	75.5308	63.9748	0.3206	834663.59
36	1530	1218	75.5089	63.9710	0.3203	834652.04
37	1545	1218	75.4770	63.9670	0.3202	834651.75
38	1600	1218	75.4506	63.9636	0.3200	834649.94
39	1615	1218	75.4326	63.9603	0.3195	834640.89
40	1630	1218	75.4112	63.9566	0.3191	834632.13
41	1645	1218	75.3817	63.9532	0.3190	834634.09

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TABLE 4

MASS POINT LEAKAGE RATE REPORT

data set	time	date	elapsed time (hrs)	dry air mass (lbm)	leakage rate (%/day)	ucl rate (%/day)
5	1745	1218	1.00	834631.27	0.0139	0.0811
9	1845	1218	2.00	834638.52	0.0065	0.0280
13	1945	1218	3.00	834639.05	0.0011	0.0122
17	2045	1218	4.00	834617.43	0.0068	0.0141
21	2145	1218	5.00	834619.03	0.0116	0.0174
25	2245	1218	6.00	834592.48	0.0166	0.0220
29	2345	1218	7.00	834550.88	0.0295	0.0365
33	45	1219	8.00	834551.73	0.0354	0.0416
37	145	1219	9.00	834532.11	0.0368	0.0417
41	245	1219	10.00	834524.16	0.0374	0.0415
45	345	1219	11.00	834500.13	0.0386	0.0420
49	445	1219	12.00	834493.73	0.0395	0.0424
53	545	1219	13.00	834494.13	0.0384	0.0410
57	645	1219	14.00	834483.60	0.0371	0.0394
61	745	1219	15.00	834485.48	0.0364	0.0384
65	845	1219	16.00	834479.83	0.0352	0.0371
69	945	1219	17.00	834473.49	0.0338	0.0356
73	1045	1219	18.00	834451.85	0.0331	0.0347
77	1145	1219	19.00	834453.51	0.0323	0.0338
81	1245	1219	20.00	834439.78	0.0317	0.0331
85	1345	1219	21.00	834415.93	0.0313	0.0326
89	1445	1219	22.00	834422.17	0.0307	0.0319
93	1545	1219	23.00	834401.24	0.0304	0.0315
97	1645	1219	24.00	834385.83	0.0301	0.0312

Allowable leakage rate, La	=	0.1000 %/day
75% La	=	0.0750 %/day
Mass point leakage rate	=	0.0301 %/day
Mass point UCL	=	0.0312 %/day



TABLE 5

VERIFICATION LEAKAGE RATE REPORT

data leakage set	time	date	elapsed	dry air	
			time (hrs)	mass (lbm)	rate (%/day)
5	1800	1219	1.00	834338.70	0.1354
6	1815	1219	1.25	834331.97	0.1382
7	1830	1219	1.50	834337.74	0.1173
8	1845	1219	1.75	834305.04	0.1302
9	1900	1219	2.00	834321.94	0.1146
10	1915	1219	2.25	834278.72	0.1275
11	1930	1219	2.50	834284.52	0.1257
12	1945	1219	2.75	834275.70	0.1237
13	2000	1219	3.00	834257.48	0.1254
14	2015	1219	3.25	834260.86	0.1217
15	2030	1219	3.50	834240.64	0.1221
16	2045	1219	3.75	834227.41	0.1230
17	2100	1219	4.00	834228.15	0.1211
Upper limit on leakage rate			=	0.1581 %/day	
Mass point leakage rate			=	0.1211 %/day	
Lower limit on leakage rate			=	0.1081 %/day	

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TABLE 6

TOTAL TIME AND MASS POINT LEAKAGE RATES AND UCL'S

data sets	time	date	elapsed time (hrs)	total time leakage rate (%/day)	leakage rates		
					ucl rate (%/day)	mass point leakage rate (%/day)	ucl rate (%/day)
5	1745	1218	1.00	0.0281	0.3811	0.0139	0.0811
9	1845	1218	2.00	0.0192	0.1511	0.0065	0.0280
13	1945	1218	3.00	0.0103	0.1023	0.0011	0.0122
17	2045	1218	4.00	0.0116	0.0849	0.0068	0.0141
21	2145	1218	5.00	0.0143	0.0768	0.0116	0.0174
25	2245	1218	6.00	0.0178	0.0733	0.0166	0.0220
29	2345	1218	7.00	0.0279	0.0789	0.0295	0.0365
33	45	1219	8.00	0.0339	0.0810	0.0354	0.0416
37	145	1219	9.00	0.0366	0.0804	0.0368	0.0417
41	245	1219	10.00	0.0383	0.0797	0.0374	0.0415
45	345	1219	11.00	0.0401	0.0793	0.0386	0.0420
49	445	1219	12.00	0.0416	0.0790	0.0395	0.0424
53	545	1219	13.00	0.0415	0.0778	0.0384	0.0410
57	645	1219	14.00	0.0410	0.0764	0.0371	0.0394
61	745	1219	15.00	0.0408	0.0753	0.0364	0.0384
65	845	1219	16.00	0.0401	0.0739	0.0352	0.0371
69	945	1219	17.00	0.0392	0.0724	0.0338	0.0356
73	1045	1219	18.00	0.0386	0.0712	0.0331	0.0347
77	1145	1219	19.00	0.0380	0.0699	0.0323	0.0338
81	1245	1219	20.00	0.0375	0.0688	0.0317	0.0331
85	1345	1219	21.00	0.0371	0.0678	0.0313	0.0326
89	1445	1219	22.00	0.0365	0.0668	0.0307	0.0319
93	1545	1219	23.00	0.0361	0.0658	0.0304	0.0315
97	1645	1219	24.00	0.0357	0.0406	0.0301	0.0312

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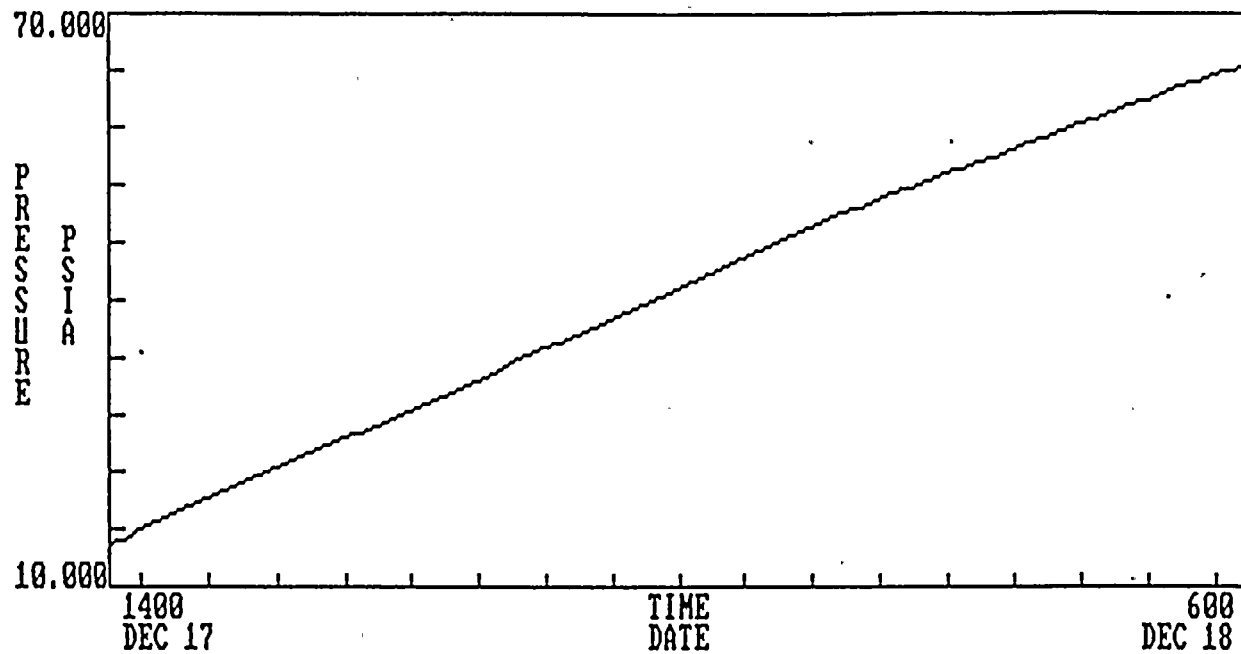


FIGURE 1
PRESSURE vs. TIME DURING PRESSURIZATION

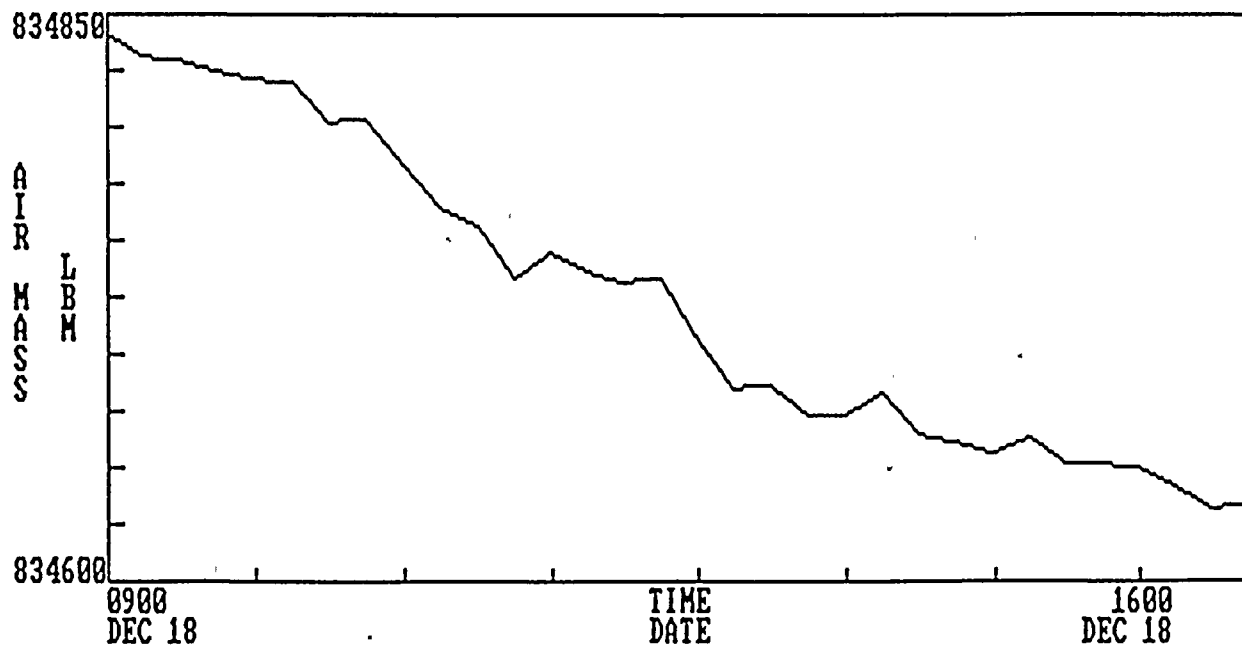


FIGURE 2
AIR MASS vs. TIME DURING STABILIZATION

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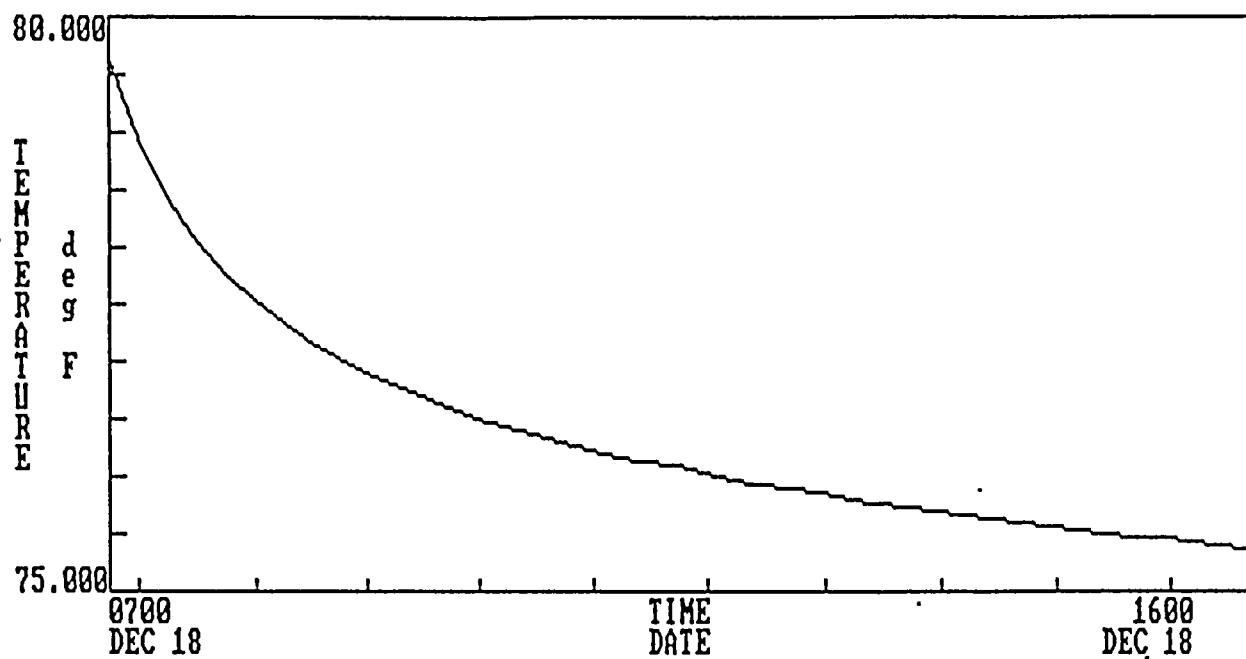


FIGURE 3
MEAN TEMPERATURE vs. TIME DURING STABILIZATION

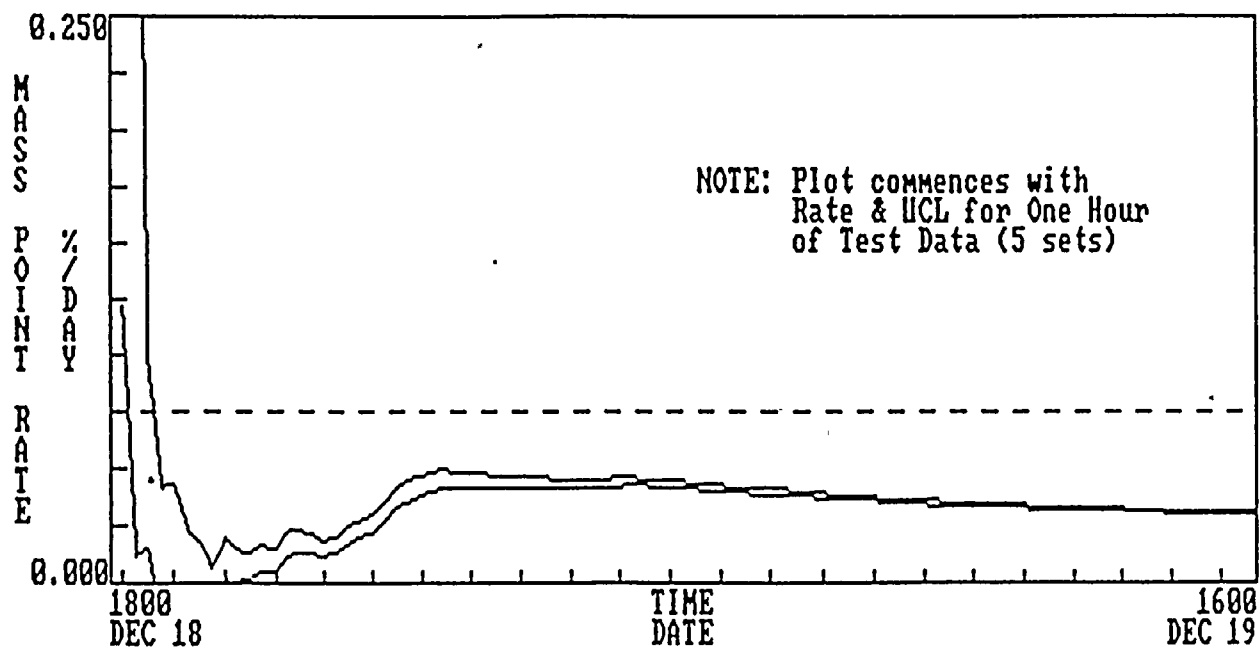


FIGURE 4
VARIATION IN LEAKAGE RATE AND UCL WITH TYPE A TEST DURATION

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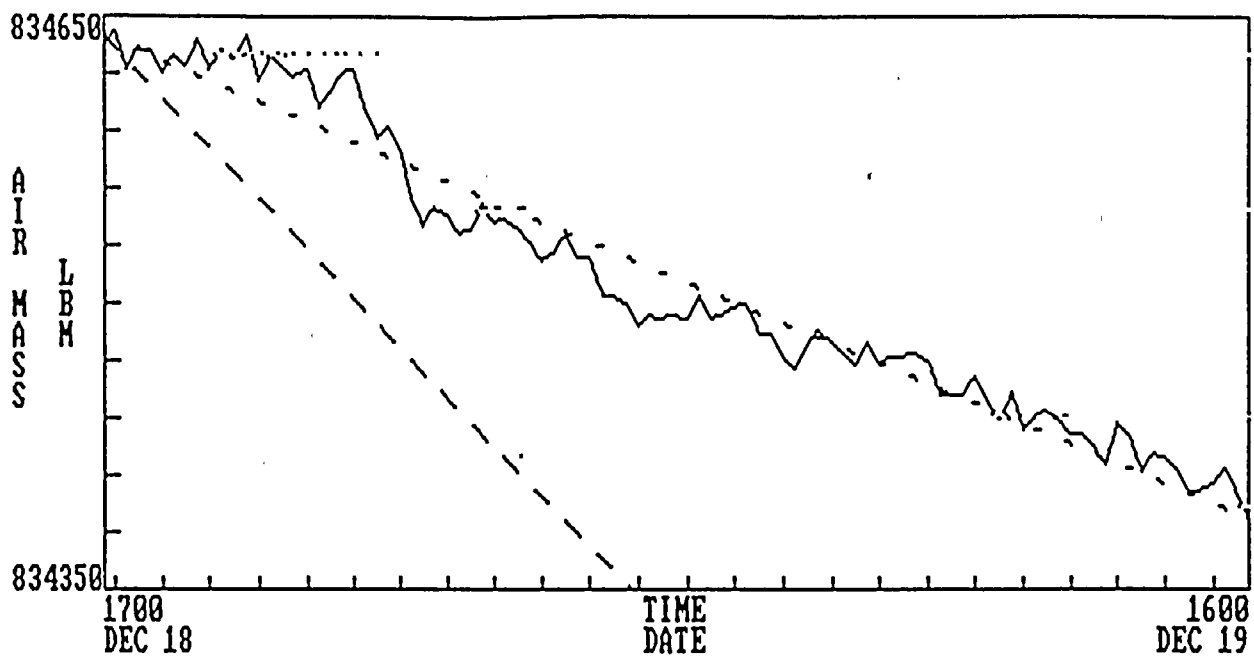


FIGURE 5
AIR MASS vs. TIME DURING TYPE A TEST

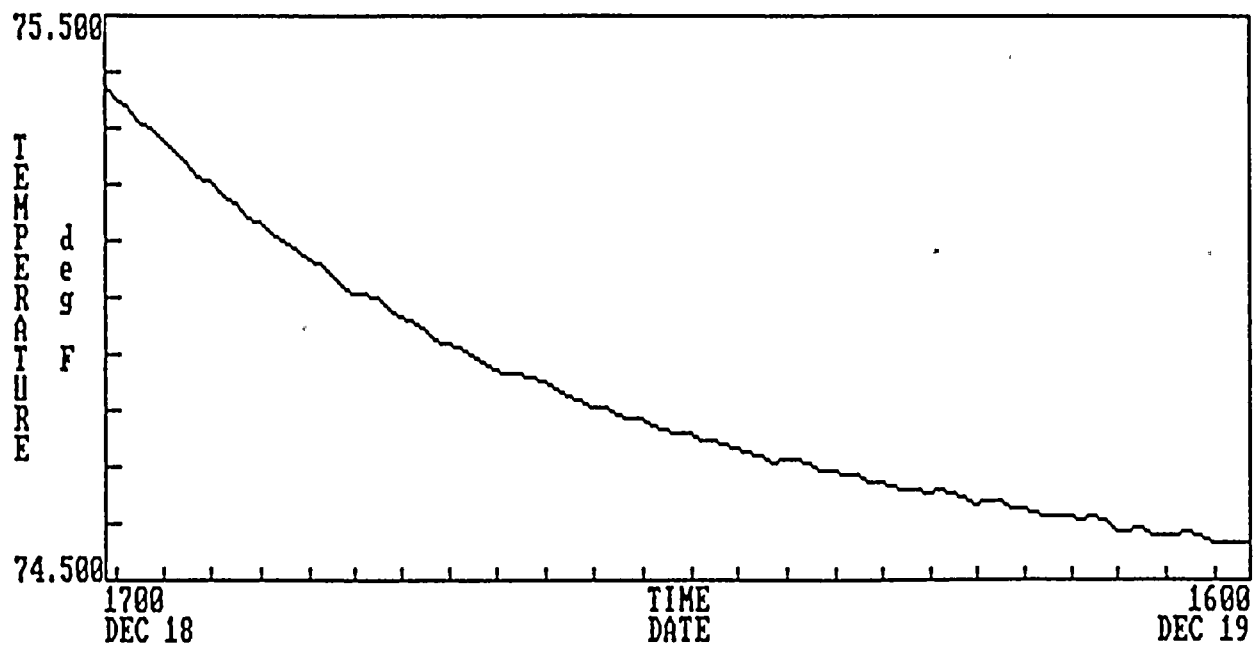


FIGURE 6
MEAN TEMPERATURE vs. TIME DURING TYPE A TEST



x

p



Palo Verde Nuclear Generating Station Unit 2
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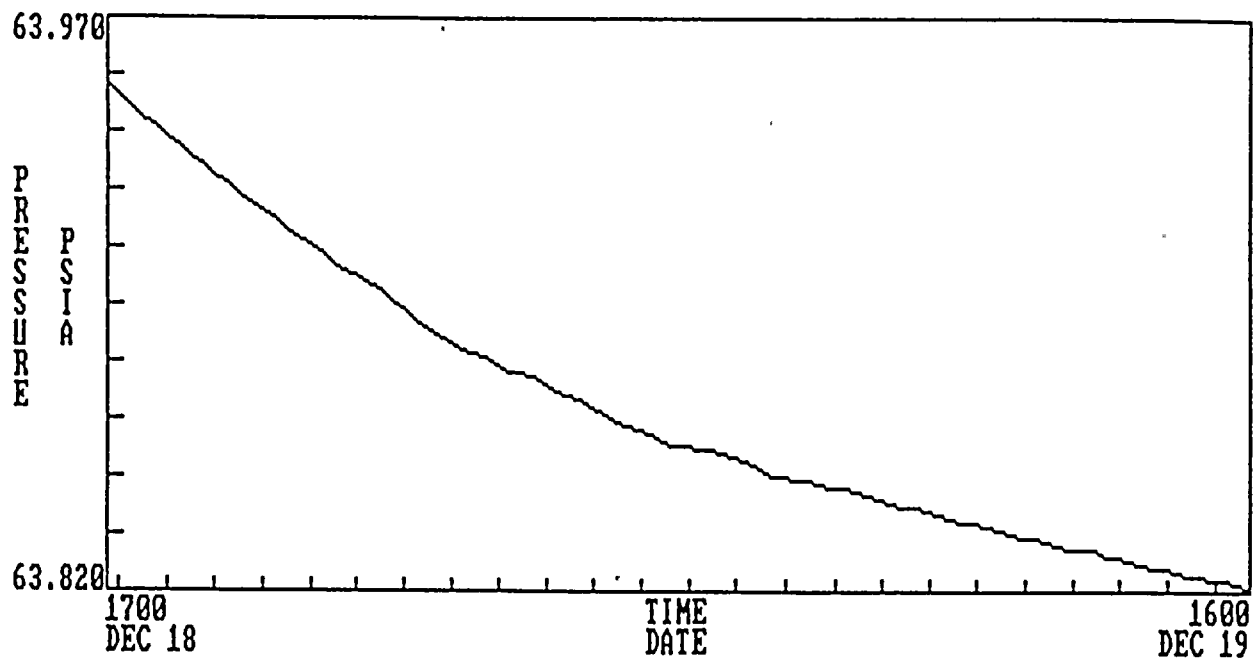


FIGURE 7
PRESSURE vs. TIME DURING TYPE A TEST

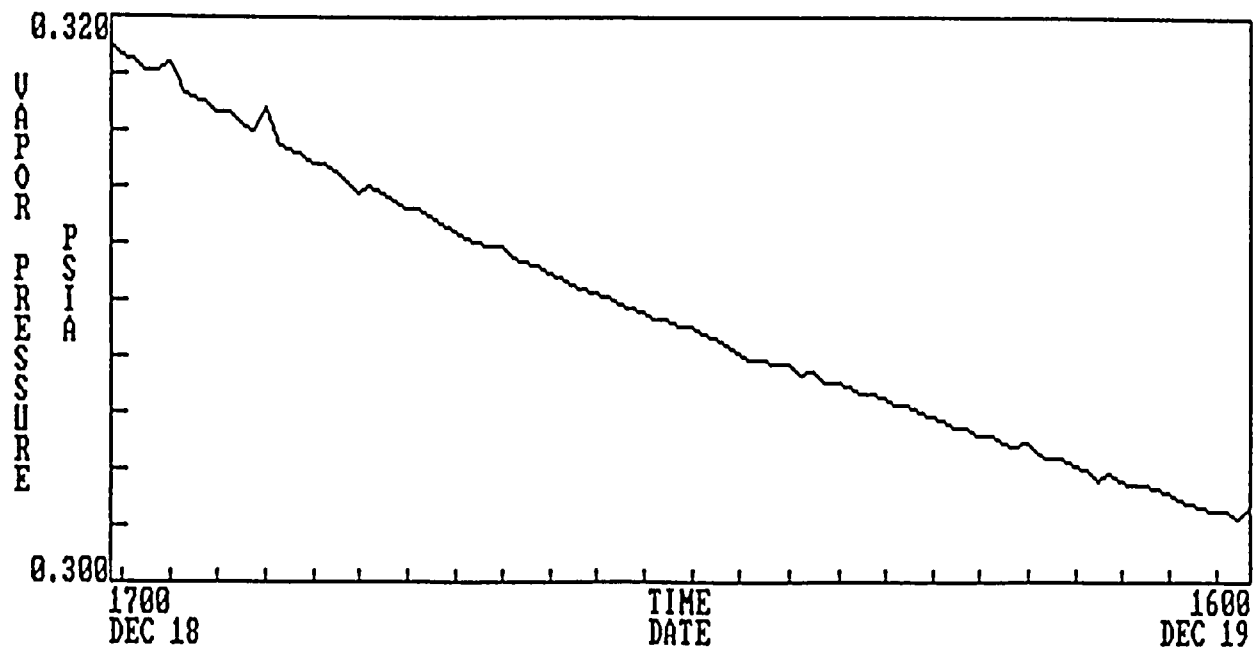


FIGURE 8
MEAN VAPOR PRESSURE vs. TIME DURING TYPE A TEST

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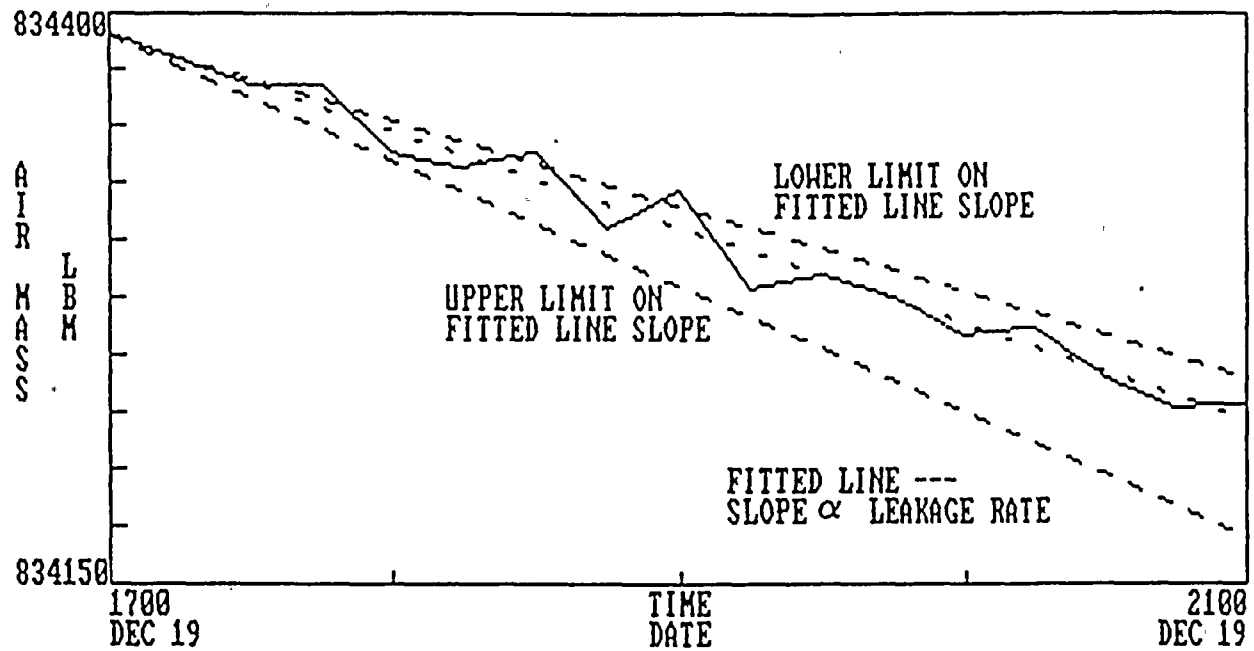


FIGURE 9
AIR MASS vs. TIME DURING VERIFICATION TEST



APPENDIX I
CONTAINMENT DESCRIPTION

CONTAINMENT DESCRIPTION

The Palo Verde Nuclear Generating Station containment (Units 1, 2 and 3 are essentially identical) is a hemispherical dome post-tensioned concrete structure supported on a conventionally reinforced base slab. The lower, cylindrical portion of the containment has an inside diameter of 73 ft. and a height from the top of the interior fill slab of 133.5 ft. The hemispherical dome has an inside radius of 73 ft. The upper 70 ft. of the cylinder and the dome are essentially open volumes. Below the refuelling floor (El. 140 ft. -- the top of the fill slab is El. 80 ft. and the dome springline is El. 213.5 ft.) the structure is divided up into several compartments by the concrete shield walls and refuelling cavity walls.

The refuelling cavity lies along the containment East-West center line and is an isolated volume, open to the rest of the containment only at the top. The cavity floor slab and the primary shield wall form an almost solid concrete mass extending down to El. 80 ft. There are openings below the refuelling cavity bottom slab, but these are relatively small.

The steam generator compartments are located to the North and South of the refuelling cavity. These extend from the fill slab at El. 80 ft. to about El. 150 ft. The steam generator compartments are open to each other below the refuelling cavity bottom slab and are open to the outer annular space through numerous accessways. The pressurizer cubicle is adjacent to the North steam generator compartment. The top of the cubicle is at about El. 170 ft.

The major part of the containment volume below El. 140 ft. is in the outer annular space which is a large open area between the cylinder wall and the refuelling cavity/steam generator compartment walls. The outer annular space is generally open vertically although there are concrete slabs at various elevations which provide some degree of vertical compartmentalization. However, the extent of the various slab segments is sufficiently small to consider the outer annular space as an open volume.

There are three major openings in the containment: An equipment hatch and a personnel air lock at El. 140 ft. and a second air lock at El. 100 ft. There are also numerous penetrations for piping and electrical conductors. Most of these are on the South side of the containment where it is enclosed by the Auxiliary Building. Secondary system penetrations are on the East side of the structure where it abuts the Turbine Building. The fuel transfer tube is on the West side of the structure where it abuts the Fuel Handling Building. The North side of the containment is open to the outside above El. 100 ft. (plant grade level) and covered with back fill below that elevation.

APPENDIX II
COMPUTER PROGRAM DESCRIPTION



COMPUTER PROGRAM DESCRIPTION

Leakage rate is calculated using the BCP BASIC program developed by Robert E. Blum. The program runs on an IBM PC or compatible computer which interfaces to the Data Acquisition System (DAS) via an RS 232C serial interface, or IEEE-488 Data Bus. BCP provides two computers with the second serving as a backup unit.

Both mass point (ANSI 56.8) and total time (BN-TOP-1) leakage rates are calculated. The more conservative BN-TOP-1 procedure is generally required by the NRC if test duration is less than the twenty-four hour minimum established in ANSI 45.4.

Raw data from the DAS is automatically recorded on disk storage. The ILRT program converts raw data to engineering units, calculates the volume weighted mean drybulb temperature, vapor pressures from individual dewpoint temperatures and volume weighted mean vapor pressure. It then computes containment air mass using these weighted mean atmospheric conditions. Air mass and time data are used as input to the routines which calculate mass point and total time leakage rates. Manual data entry and correction options are included in the program so that failure of the DAS serial output will not delay the test. Job specific predata loaded into the program include pressure transducer calibration constants, sensor volume fractions and containment free air volume. The volume fraction and free air volume data can be changed during the course of the test to account for sensor failure and changes in containment water inventory.

Program output includes printed reports and plots. Printed reports listing raw data, engineering unit conversions, weighted mean conditions and air mass are generated for each data set immediately following data input. Various diagnostic reports and plots are generated on command during the test. These include listings of leakage rates and UCL's calculated for each incremental data set, plots of the same information, plots of weighted mean atmospheric conditions and air mass, and plots of individual sensor data. These same lists and plots, when generated following completion of the test, provide final documentation of leakage rate. The program is validated prior to each use by loading a standard test data set and verifying that the calculation results agree with those obtained by a manual calculation.



APPENDIX III

TEST DATA



STABILIZATION DATA

PRE-DATA REPORT

title = PVNGS 2 -- 1991 ILRT -- STABILIZATION volume = 2600000 L
a = 0.1000

leap year : no

temperature volume fractions (sum = 1.0000)

t(1)=0.0320	t(2)=0.0400	t(3)=0.0440	t(4)=0.0450	t(5)=0.0460
t(6)=0.0480	t(7)=0.0490	t(8)=0.0490	t(9)=0.0490	t(10)=0.0500
t(11)=0.0500	t(12)=0.0500	t(13)=0.0500	t(14)=0.0430	t(15)=0.0430
t(16)=0.0450	t(17)=0.0370	t(18)=0.0340	t(19)=0.0340	t(20)=0.0330
t(21)=0.0330	t(22)=0.0320	t(23)=0.0390	t(24)=0.0250	t(25)=0.0000
t(26)=0.0000	t(27)=0.0000			

dewpoint volume fractions (sum = 1.0000)

dp(1)=0.0000 dp(2)=0.3530 dp(3)=0.1990 dp(4)=0.1810 dp(5)=0.1480
dp(6)=0.1190

pressure volume fractions (sum = 1.0000)

p(1)=0.5000 p(2)=0.5000



PVNGS 2 -- 1991 ILRT -- STABILIZATION

DATA SUMMARY REPORT

data set	time	date	temperature deg F	pressure psia	vapor pressure psia	dry air mass lbm
1	645	1218	79.6321	64.4684	0.3390	834499.82
2	700	1218	78.9272	64.3918	0.3348	834649.11
3	715	1218	78.4268	64.3382	0.3342	834734.55
4	730	1218	78.0571	64.2971	0.3336	834779.62
5	745	1218	77.7661	64.2644	0.3336	834803.75
6	800	1218	77.5361	64.2374	0.3321	834829.07
7	815	1218	77.3406	64.2146	0.3310	834848.25
8	830	1218	77.1790	64.1945	0.3313	834834.31
9	845	1218	77.0398	64.1771	0.3310	834827.25
10	900	1218	76.9109	64.1615	0.3296	834840.85
11	915	1218	76.8018	64.1472	0.3290	834831.52
12	930	1218	76.6961	64.1342	0.3287	834830.54
13	945	1218	76.5998	64.1222	0.3286	834824.86
14	1000	1218	76.5136	64.1109	0.3277	834821.63
15	1015	1218	76.4358	64.1009	0.3272	834819.21
16	1030	1218	76.3674	64.0911	0.3270	834801.28
17	1045	1218	76.2926	64.0819	0.3265	834803.23
18	1100	1218	76.2370	64.0734	0.3261	834783.62
19	1115	1218	76.1822	64.0654	0.3259	834765.57
20	1130	1218	76.1261	64.0576	0.3256	834756.27
21	1145	1218	76.0840	64.0506	0.3252	834733.73
22	1200	1218	76.0244	64.0439	0.3247	834745.37
23	1215	1218	75.9768	64.0370	0.3243	834736.64
24	1230	1218	75.9306	64.0311	0.3242	834731.89
25	1245	1218	75.8847	64.0252	0.3236	834733.53
26	1300	1218	75.8503	64.0188	0.3234	834706.63
27	1315	1218	75.8137	64.0126	0.3231	834685.80
28	1330	1218	75.7714	64.0074	0.3228	834686.87
29	1345	1218	75.7310	64.0018	0.3232	834672.84
30	1400	1218	75.6952	63.9971	0.3227	834672.67
31	1415	1218	75.6578	63.9925	0.3217	834683.24
32	1430	1218	75.6283	63.9874	0.3215	834665.19
33	1445	1218	75.5966	63.9829	0.3211	834661.33
34	1500	1218	75.5661	63.9788	0.3210	834656.13
35	1515	1218	75.5308	63.9748	0.3206	834663.59
36	1530	1218	75.5089	63.9710	0.3203	834652.04
37	1545	1218	75.4770	63.9670	0.3202	834651.75
38	1600	1218	75.4506	63.9636	0.3200	834649.94
39	1615	1218	75.4326	63.9603	0.3195	834640.89
40	1630	1218	75.4112	63.9566	0.3191	834632.13
41	1645	1218	75.3817	63.9532	0.3190	834634.09

PVNGS 2 -- 1991 ILRT -- STABILIZATION

data set 1

time = 645 date = 1218

sensor	raw data	value
temperature 1	(82.160)	= 82.160 deg. F
temperature 2	(82.180)	= 82.180 deg. F
temperature 3	(82.160)	= 82.160 deg. F
temperature 4	(82.220)	= 82.220 deg. F
temperature 5	(81.960)	= 81.960 deg. F
temperature 6	(81.640)	= 81.640 deg. F
temperature 7	(81.570)	= 81.570 deg. F
temperature 8	(81.710)	= 81.710 deg. F
temperature 9	(81.590)	= 81.590 deg. F
temperature 10	(81.450)	= 81.450 deg. F
temperature 11	(81.140)	= 81.140 deg. F
temperature 12	(80.900)	= 80.900 deg. F
temperature 13	(80.670)	= 80.670 deg. F
temperature 14	(80.270)	= 80.270 deg. F
temperature 15	(79.770)	= 79.770 deg. F
temperature 16	(77.950)	= 77.950 deg. F
temperature 17	(77.730)	= 77.730 deg. F
temperature 18	(76.370)	= 76.370 deg. F
temperature 19	(75.840)	= 75.840 deg. F
temperature 20	(75.210)	= 75.210 deg. F
temperature 21	(73.790)	= 73.790 deg. F
temperature 22	(74.340)	= 74.340 deg. F
temperature 23	(72.880)	= 72.880 deg. F
temperature 24	(77.060)	= 77.060 deg. F
temperature 25	(76.700)	= 76.700 deg. F
temperature 26	(77.380)	= 77.380 deg. F
temperature 27	(73.870)	= 73.870 deg. F
dewpoint 1	(69.320)	= 69.320 deg. F , 0.3546 psia
dewpoint 2	(69.410)	= 69.410 deg. F , 0.3557 psia
dewpoint 3	(68.510)	= 68.510 deg. F , 0.3449 psia
dewpoint 4	(68.240)	= 68.240 deg. F , 0.3417 psia
dewpoint 5	(65.890)	= 65.890 deg. F , 0.3151 psia
dewpoint 6	(64.980)	= 64.980 deg. F , 0.3052 psia
pressure 1	(64.4667)	= 64.4667 psia
pressure 2	(64.4700)	= 64.4700 psia

weighted averages, volume and air mass

temperature	=	79.63210 deg. F
pressure	=	64.46835 psia
vapor pressure	=	0.33899 psia
volume	=	2600000 cu. ft.
dry air mass	=	834499.82 lbm



PVNGS 2 -- 1991 ILRT -- STABILIZATION

data set 2

time = 700 date = 1218

sensor		raw data	=	value	
temperature	1	(80.940)	=	80.940	deg. F
temperature	2	(80.950)	=	80.950	deg. F
temperature	3	(80.940)	=	80.940	deg. F
temperature	4	(81.100)	=	81.100	deg. F
temperature	5	(80.900)	=	80.900	deg. F
temperature	6	(80.660)	=	80.660	deg. F
temperature	7	(80.540)	=	80.540	deg. F
temperature	8	(80.680)	=	80.680	deg. F
temperature	9	(80.600)	=	80.600	deg. F
temperature	10	(80.500)	=	80.500	deg. F
temperature	11	(80.210)	=	80.210	deg. F
temperature	12	(80.050)	=	80.050	deg. F
temperature	13	(79.980)	=	79.980	deg. F
temperature	14	(79.640)	=	79.640	deg. F
temperature	15	(79.250)	=	79.250	deg. F
temperature	16	(77.600)	=	77.600	deg. F
temperature	17	(77.460)	=	77.460	deg. F
temperature	18	(76.110)	=	76.110	deg. F
temperature	19	(75.750)	=	75.750	deg. F
temperature	20	(75.170)	=	75.170	deg. F
temperature	21	(73.810)	=	73.810	deg. F
temperature	22	(74.290)	=	74.290	deg. F
temperature	23	(72.810)	=	72.810	deg. F
temperature	24	(76.890)	=	76.890	deg. F
temperature	25	(%-183.130)	=	%-183.130	deg. F
temperature	26	(77.130)	=	77.130	deg. F
temperature	27	(73.830)	=	73.830	deg. F
dewpoint	1	(69.890)	=	69.890	deg. F , 0.3616 psia
dewpoint	2	(69.140)	=	69.140	deg. F , 0.3524 psia
dewpoint	3	(67.670)	=	67.670	deg. F , 0.3351 psia
dewpoint	4	(67.650)	=	67.650	deg. F , 0.3348 psia
dewpoint	5	(65.870)	=	65.870	deg. F , 0.3148 psia
dewpoint	6	(65.170)	=	65.170	deg. F , 0.3073 psia
pressure	1	(64.3902)	=	64.3902	psia
pressure	2	(64.3935)	=	64.3935	psia

weighted averages, volume and air mass

temperature	=	78.92720 deg. F
pressure	=	64.39185 psia
vapor pressure	=	0.33484 psia
volume	=	2600000 cu. ft.
dry air mass	=	834649.11 lbm

PVNGS 2 -- 1991 ILRT -- STABILIZATION

data set 3

time = 715 date = 1218

sensor		raw data		value		
temperature	1	(	80.000)	=	80.000	deg. F
temperature	2	(	80.040)	=	80.040	deg. F
temperature	3	(	80.070)	=	80.070	deg. F
temperature	4	(	80.250)	=	80.250	deg. F
temperature	5	(	80.040)	=	80.040	deg. F
temperature	6	(	79.930)	=	79.930	deg. F
temperature	7	(	79.790)	=	79.790	deg. F
temperature	8	(	79.920)	=	79.920	deg. F
temperature	9	(	79.880)	=	79.880	deg. F
temperature	10	(	79.740)	=	79.740	deg. F
temperature	11	(	79.570)	=	79.570	deg. F
temperature	12	(	79.450)	=	79.450	deg. F
temperature	13	(	79.480)	=	79.480	deg. F
temperature	14	(	79.260)	=	79.260	deg. F
temperature	15	(	79.000)	=	79.000	deg. F
temperature	16	(	77.430)	=	77.430	deg. F
temperature	17	(	77.350)	=	77.350	deg. F
temperature	18	(	76.020)	=	76.020	deg. F
temperature	19	(	75.680)	=	75.680	deg. F
temperature	20	(	75.140)	=	75.140	deg. F
temperature	21	(	73.800)	=	73.800	deg. F
temperature	22	(	74.260)	=	74.260	deg. F
temperature	23	(	72.790)	=	72.790	deg. F
temperature	24	(	76.840)	=	76.840	deg. F
temperature	25	(	76.420)	=	76.420	deg. F
temperature	26	(	77.020)	=	77.020	deg. F
temperature	27	(	73.830)	=	73.830	deg. F
dewpoint	1	(	69.420)	=	69.420	deg. F , 0.3558 psia
dewpoint	2	(	68.690)	=	68.690	deg. F , 0.3470 psia
dewpoint	3	(	67.660)	=	67.660	deg. F , 0.3349 psia
dewpoint	4	(	68.230)	=	68.230	deg. F , 0.3416 psia
dewpoint	5	(	65.870)	=	65.870	deg. F , 0.3148 psia
dewpoint	6	(	65.230)	=	65.230	deg. F , 0.3079 psia
pressure	1	(	64.3366)	=	64.3366	psia
pressure	2	(	64.3399)	=	64.3399	psia

weighted averages, volume and air mass

temperature	=	78.42676	deg. F
pressure	=	64.33825	psia
vapor pressure	=	0.33422	psia
volume	=	2600000	cu. ft.
dry air mass	=	834734.55	lbm

PVNGS 2 -- 1991 ILRT -- STABILIZATION

data set 4

time = 730 date = 1218

sensor		raw data	=	value	
temperature	1	(79.350)	=	79.350	deg. F
temperature	2	(79.390)	=	79.390	deg. F
temperature	3	(79.430)	=	79.430	deg. F
temperature	4	(79.590)	=	79.590	deg. F
temperature	5	(79.400)	=	79.400	deg. F
temperature	6	(79.330)	=	79.330	deg. F
temperature	7	(79.210)	=	79.210	deg. F
temperature	8	(79.370)	=	79.370	deg. F
temperature	9	(79.350)	=	79.350	deg. F
temperature	10	(79.220)	=	79.220	deg. F
temperature	11	(79.110)	=	79.110	deg. F
temperature	12	(79.010)	=	79.010	deg. F
temperature	13	(79.000)	=	79.000	deg. F
temperature	14	(78.980)	=	78.980	deg. F
temperature	15	(78.890)	=	78.890	deg. F
temperature	16	(77.320)	=	77.320	deg. F
temperature	17	(77.290)	=	77.290	deg. F
temperature	18	(75.950)	=	75.950	deg. F
temperature	19	(75.660)	=	75.660	deg. F
temperature	20	(75.110)	=	75.110	deg. F
temperature	21	(73.790)	=	73.790	deg. F
temperature	22	(74.240)	=	74.240	deg. F
temperature	23	(72.760)	=	72.760	deg. F
temperature	24	(76.830)	=	76.830	deg. F
temperature	25	(76.370)	=	76.370	deg. F
temperature	26	(76.970)	=	76.970	deg. F
temperature	27	(73.830)	=	73.830	deg. F
dewpoint	1	(69.720)	=	69.720	deg. F , 0.3595 psia
dewpoint	2	(68.560)	=	68.560	deg. F , 0.3455 psia
dewpoint	3	(67.770)	=	67.770	deg. F , 0.3362 psia
dewpoint	4	(67.970)	=	67.970	deg. F , 0.3385 psia
dewpoint	5	(65.940)	=	65.940	deg. F , 0.3156 psia
dewpoint	6	(65.340)	=	65.340	deg. F , 0.3091 psia
pressure	1	(64.2956)	=	64.2956	psia
pressure	2	(64.2987)	=	64.2987	psia

weighted averages, volume and air mass

temperature	=	78.05714 deg. F
pressure	=	64.29715 psia
vapor pressure	=	0.33363 psia
volume	=	2600000 cu. ft.
dry air mass	=	834779.62 lbm



PVNGS 2 -- 1991 ILRT -- STABILIZATION

data set 5

time = 745 date = 1218

sensor		raw data		value	
temperature	1	(78.810)	=	78.810 deg. F	
temperature	2	(78.840)	=	78.840 deg. F	
temperature	3	(78.960)	=	78.960 deg. F	
temperature	4	(79.090)	=	79.090 deg. F	
temperature	5	(78.910)	=	78.910 deg. F	
temperature	6	(78.890)	=	78.890 deg. F	
temperature	7	(78.780)	=	78.780 deg. F	
temperature	8	(78.960)	=	78.960 deg. F	
temperature	9	(78.960)	=	78.960 deg. F	
temperature	10	(78.820)	=	78.820 deg. F	
temperature	11	(78.740)	=	78.740 deg. F	
temperature	12	(78.660)	=	78.660 deg. F	
temperature	13	(78.660)	=	78.660 deg. F	
temperature	14	(78.590)	=	78.590 deg. F	
temperature	15	(78.760)	=	78.760 deg. F	
temperature	16	(77.210)	=	77.210 deg. F	
temperature	17	(77.230)	=	77.230 deg. F	
temperature	18	(75.900)	=	75.900 deg. F	
temperature	19	(75.640)	=	75.640 deg. F	
temperature	20	(75.100)	=	75.100 deg. F	
temperature	21	(73.790)	=	73.790 deg. F	
temperature	22	(74.250)	=	74.250 deg. F	
temperature	23	(72.780)	=	72.780 deg. F	
temperature	24	(76.810)	=	76.810 deg. F	
temperature	25	(76.330)	=	76.330 deg. F	
temperature	26	(76.930)	=	76.930 deg. F	
temperature	27	(73.840)	=	73.840 deg. F	
dewpoint	1	(68.870)	=	68.870 deg. F	, 0.3492 psia
dewpoint	2	(68.570)	=	68.570 deg. F	, 0.3456 psia
dewpoint	3	(67.800)	=	67.800 deg. F	, 0.3366 psia
dewpoint	4	(67.650)	=	67.650 deg. F	, 0.3348 psia
dewpoint	5	(66.220)	=	66.220 deg. F	, 0.3187 psia
dewpoint	6	(65.400)	=	65.400 deg. F	, 0.3097 psia
pressure	1	(64.2626)	=	64.2626 psia	
pressure	2	(64.2661)	=	64.2661 psia	

weighted averages, volume and air mass

temperature	=	77.76611 deg. F
pressure	=	64.26435 psia
vapor pressure	=	0.33360 psia
volume	=	2600000 cu. ft.
dry air mass	=	834803.75 lbm

PVNGS 2 -- 1991 ILRT -- STABILIZATION

data set 6

time = 800 date = 1218

sensor		raw data		value.	
temperature	1	(78.400)	=	78.400 deg. F	
temperature	2	(78.460)	=	78.460 deg. F	
temperature	3	(78.590)	=	78.590 deg. F	
temperature	4	(78.680)	=	78.680 deg. F	
temperature	5	(78.510)	=	78.510 deg. F	
temperature	6	(78.520)	=	78.520 deg. F	
temperature	7	(78.490)	=	78.490 deg. F	
temperature	8	(78.620)	=	78.620 deg. F	
temperature	9	(78.620)	=	78.620 deg. F	
temperature	10	(78.510)	=	78.510 deg. F	
temperature	11	(78.440)	=	78.440 deg. F	
temperature	12	(78.360)	=	78.360 deg. F	
temperature	13	(78.370)	=	78.370 deg. F	
temperature	14	(78.370)	=	78.370 deg. F	
temperature	15	(78.670)	=	78.670 deg. F	
temperature	16	(77.110)	=	77.110 deg. F	
temperature	17	(77.190)	=	77.190 deg. F	
temperature	18	(75.860)	=	75.860 deg. F	
temperature	19	(75.610)	=	75.610 deg. F	
temperature	20	(75.100)	=	75.100 deg. F	
temperature	21	(73.770)	=	73.770 deg. F	
temperature	22	(74.240)	=	74.240 deg. F	
temperature	23	(72.770)	=	72.770 deg. F	
temperature	24	(76.800)	=	76.800 deg. F	
temperature	25	(76.300)	=	76.300 deg. F	
temperature	26	(76.880)	=	76.880 deg. F	
temperature	27	(73.800)	=	73.800 deg. F	
dewpoint	1	(68.920)	=	68.920 deg. F	, 0.3498 psia
dewpoint	2	(68.440)	=	68.440 deg. F	, 0.3441 psia
dewpoint	3	(67.730)	=	67.730 deg. F	, 0.3358 psia
dewpoint	4	(66.980)	=	66.980 deg. F	, 0.3272 psia
dewpoint	5	(66.540)	=	66.540 deg. F	, 0.3222 psia
dewpoint	6	(65.470)	=	65.470 deg. F	, 0.3105 psia
pressure	1	(64.2354)	=	64.2354 psia	
pressure	2	(64.2395)	=	64.2395 psia	

weighted averages, volume and air mass

temperature	=	77.53606 deg. F
pressure	=	64.23745 psia
vapor pressure	=	0.33213 psia
volume	=	2600000 cu. ft.
dry air mass	=	834829.07 lbm

PVNGS 2 -- 1991 ILRT -- STABILIZATION

data set 7

time = 815 date = 1218

sensor		raw data		value	
temperature	1	(78.070)	=	78.070	deg. F
temperature	2	(78.180)	=	78.180	deg. F
temperature	3	(78.270)	=	78.270	deg. F
temperature	4	(78.350)	=	78.350	deg. F
temperature	5	(78.190)	=	78.190	deg. F
temperature	6	(78.220)	=	78.220	deg. F
temperature	7	(78.180)	=	78.180	deg. F
temperature	8	(78.330)	=	78.330	deg. F
temperature	9	(78.330)	=	78.330	deg. F
temperature	10	(78.250)	=	78.250	deg. F
temperature	11	(78.180)	=	78.180	deg. F
temperature	12	(78.080)	=	78.080	deg. F
temperature	13	(78.120)	=	78.120	deg. F
temperature	14	(78.180)	=	78.180	deg. F
temperature	15	(78.580)	=	78.580	deg. F
temperature	16	(77.070)	=	77.070	deg. F
temperature	17	(77.150)	=	77.150	deg. F
temperature	18	(75.830)	=	75.830	deg. F
temperature	19	(75.590)	=	75.590	deg. F
temperature	20	(75.080)	=	75.080	deg. F
temperature	21	(73.760)	=	73.760	deg. F
temperature	22	(74.220)	=	74.220	deg. F
temperature	23	(72.760)	=	72.760	deg. F
temperature	24	(76.780)	=	76.780	deg. F
temperature	25	(76.280)	=	76.280	deg. F
temperature	26	(76.850)	=	76.850	deg. F
temperature	27	(73.810)	=	73.810	deg. F
dewpoint	1	(68.830)	=	68.830	deg. F , 0.3487 psia
dewpoint	2	(68.240)	=	68.240	deg. F , 0.3417 psia
dewpoint	3	(67.610)	=	67.610	deg. F , 0.3344 psia
dewpoint	4	(66.750)	=	66.750	deg. F , 0.3246 psia
dewpoint	5	(66.750)	=	66.750	deg. F , 0.3246 psia
dewpoint	6	(65.560)	=	65.560	deg. F , 0.3115 psia
pressure	1	(64.2129)	=	64.2129	psia
pressure	2	(64.2162)	=	64.2162	psia

weighted averages, volume and air mass

temperature	=	77.34060	deg. F
pressure	=	64.21455	psia
vapor pressure	=	0.33101	psia
volume	=	2600000	cu. ft.
dry air mass	=	834848.25	lbm

PVNGS 2 -- 1991 ILRT -- STABILIZATION

data set 8

time = 830 date = 1218

sensor		raw data		value	
temperature	1	(77.810)	=	77.810	deg. F
temperature	2	(77.910)	=	77.910	deg. F
temperature	3	(78.010)	=	78.010	deg. F
temperature	4	(78.090)	=	78.090	deg. F
temperature	5	(77.950)	=	77.950	deg. F
temperature	6	(77.940)	=	77.940	deg. F
temperature	7	(77.910)	=	77.910	deg. F
temperature	8	(78.090)	=	78.090	deg. F
temperature	9	(78.090)	=	78.090	deg. F
temperature	10	(78.020)	=	78.020	deg. F
temperature	11	(77.950)	=	77.950	deg. F
temperature	12	(77.870)	=	77.870	deg. F
temperature	13	(77.970)	=	77.970	deg. F
temperature	14	(78.050)	=	78.050	deg. F
temperature	15	(78.460)	=	78.460	deg. F
temperature	16	(76.970)	=	76.970	deg. F
temperature	17	(77.100)	=	77.100	deg. F
temperature	18	(75.810)	=	75.810	deg. F
temperature	19	(75.570)	=	75.570	deg. F
temperature	20	(75.090)	=	75.090	deg. F
temperature	21	(73.760)	=	73.760	deg. F
temperature	22	(74.240)	=	74.240	deg. F
temperature	23	(72.770)	=	72.770	deg. F
temperature	24	(76.780)	=	76.780	deg. F
temperature	25	(76.250)	=	76.250	deg. F
temperature	26	(76.830)	=	76.830	deg. F
temperature	27	(73.820)	=	73.820	deg. F
dewpoint	1	(68.610)	=	68.610	deg. F , 0.3461 psia
dewpoint	2	(68.090)	=	68.090	deg. F , 0.3399 psia
dewpoint	3	(67.670)	=	67.670	deg. F , 0.3351 psia
dewpoint	4	(66.880)	=	66.880	deg. F , 0.3260 psia
dewpoint	5	(66.990)	=	66.990	deg. F , 0.3273 psia
dewpoint	6	(65.640)	=	65.640	deg. F , 0.3123 psia
pressure	1	(64.1928)	=	64.1928	psia
pressure	2	(64.1963)	=	64.1963	psia

weighted averages, volume and air mass

temperature	=	77.17901	deg. F
pressure	=	64.19455	psia
vapor pressure	=	0.33130	psia
volume	=	2600000	cu. ft.
dry air mass	=	834834.31	lbm

PVNGS 2 -- 1991 ILRT -- STABILIZATION

data set 9

time = 845 date = 1218

sensor		raw data		value	
temperature	1	(77.610)	=	77.610	deg. F
temperature	2	(77.670)	=	77.670	deg. F
temperature	3	(77.820)	=	77.820	deg. F
temperature	4	(77.850)	=	77.850	deg. F
temperature	5	(77.700)	=	77.700	deg. F
temperature	6	(77.740)	=	77.740	deg. F
temperature	7	(77.670)	=	77.670	deg. F
temperature	8	(77.870)	=	77.870	deg. F
temperature	9	(77.900)	=	77.900	deg. F
temperature	10	(77.820)	=	77.820	deg. F
temperature	11	(77.760)	=	77.760	deg. F
temperature	12	(77.690)	=	77.690	deg. F
temperature	13	(77.790)	=	77.790	deg. F
temperature	14	(77.910)	=	77.910	deg. F
temperature	15	(78.350)	=	78.350	deg. F
temperature	16	(76.960)	=	76.960	deg. F
temperature	17	(77.060)	=	77.060	deg. F
temperature	18	(75.810)	=	75.810	deg. F
temperature	19	(75.560)	=	75.560	deg. F
temperature	20	(75.080)	=	75.080	deg. F
temperature	21	(73.750)	=	73.750	deg. F
temperature	22	(74.250)	=	74.250	deg. F
temperature	23	(72.770)	=	72.770	deg. F
temperature	24	(76.770)	=	76.770	deg. F
temperature	25	(76.230)	=	76.230	deg. F
temperature	26	(76.800)	=	76.800	deg. F
temperature	27	(73.800)	=	73.800	deg. F
dewpoint	1	(69.280)	=	69.280	deg. F , 0.3541 psia
dewpoint	2	(68.000)	=	68.000	deg. F , 0.3389 psia
dewpoint	3	(67.400)	=	67.400	deg. F , 0.3320 psia
dewpoint	4	(67.000)	=	67.000	deg. F , 0.3274 psia
dewpoint	5	(67.150)	=	67.150	deg. F , 0.3291 psia
dewpoint	6	(65.740)	=	65.740	deg. F , 0.3134 psia
pressure	1	(64.1754)	=	64.1754	psia
pressure	2	(64.1788)	=	64.1788	psia

weighted averages, volume and air mass

temperature	=	77.03978	deg. F
pressure	=	64.17710	psia
vapor pressure	=	0.33095	psia
volume	=	2600000	cu. ft.
dry air mass	=	834827.25	lbm

PVNGS 2 -- 1991 ILRT -- STABILIZATION

data set 10

time = 900 date = 1218

sensor	raw data	value
temperature 1	(77.380)	= 77.380 deg. F
temperature 2	(77.460)	= 77.460 deg. F
temperature 3	(77.600)	= 77.600 deg. F
temperature 4	(77.660)	= 77.660 deg. F
temperature 5	(77.500)	= 77.500 deg. F
temperature 6	(77.600)	= 77.600 deg. F
temperature 7	(77.500)	= 77.500 deg. F
temperature 8	(77.680)	= 77.680 deg. F
temperature 9	(77.690)	= 77.690 deg. F
temperature 10	(77.650)	= 77.650 deg. F
temperature 11	(77.580)	= 77.580 deg. F
temperature 12	(77.500)	= 77.500 deg. F
temperature 13	(77.670)	= 77.670 deg. F
temperature 14	(77.730)	= 77.730 deg. F
temperature 15	(78.230)	= 78.230 deg. F
temperature 16	(76.880)	= 76.880 deg. F
temperature 17	(77.010)	= 77.010 deg. F
temperature 18	(75.810)	= 75.810 deg. F
temperature 19	(75.550)	= 75.550 deg. F
temperature 20	(75.080)	= 75.080 deg. F
temperature 21	(73.750)	= 73.750 deg. F
temperature 22	(74.250)	= 74.250 deg. F
temperature 23	(72.780)	= 72.780 deg. F
temperature 24	(76.780)	= 76.780 deg. F
temperature 25	(76.210)	= 76.210 deg. F
temperature 26	(76.770)	= 76.770 deg. F
temperature 27	(73.810)	= 73.810 deg. F
dewpoint 1	(68.430)	= 68.430 deg. F , 0.3439 psia
dewpoint 2	(67.810)	= 67.810 deg. F , 0.3367 psia
dewpoint 3	(67.040)	= 67.040 deg. F , 0.3279 psia
dewpoint 4	(66.940)	= 66.940 deg. F , 0.3267 psia
dewpoint 5	(67.280)	= 67.280 deg. F , 0.3306 psia
dewpoint 6	(65.850)	= 65.850 deg. F , 0.3146 psia
pressure 1	(64.1596)	= 64.1596 psia
pressure 2	(64.1633)	= 64.1633 psia

weighted averages, volume and air mass

temperature	=	76.91090 deg. F
pressure	=	64.16145 psia
vapor pressure	=	0.32960 psia
volume	=	2600000 cu. ft.
dry air mass	=	834840.85 lbm

PVNGS 2 -- 1991 ILRT -- STABILIZATION

data set 11

time = 915 date = 1218

sensor	raw data	value
temperature 1	(77.230)	= 77.230 deg. F
temperature 2	(77.290)	= 77.290 deg. F
temperature 3	(77.450)	= 77.450 deg. F
temperature 4	(77.490)	= 77.490 deg. F
temperature 5	(77.340)	= 77.340 deg. F
temperature 6	(77.350)	= 77.350 deg. F
temperature 7	(77.320)	= 77.320 deg. F
temperature 8	(77.530)	= 77.530 deg. F
temperature 9	(77.550)	= 77.550 deg. F
temperature 10	(77.510)	= 77.510 deg. F
temperature 11	(77.420)	= 77.420 deg. F
temperature 12	(77.360)	= 77.360 deg. F
temperature 13	(77.500)	= 77.500 deg. F
temperature 14	(77.630)	= 77.630 deg. F
temperature 15	(78.140)	= 78.140 deg. F
temperature 16	(76.840)	= 76.840 deg. F
temperature 17	(76.980)	= 76.980 deg. F
temperature 18	(75.810)	= 75.810 deg. F
temperature 19	(75.560)	= 75.560 deg. F
temperature 20	(75.090)	= 75.090 deg. F
temperature 21	(73.750)	= 73.750 deg. F
temperature 22	(74.260)	= 74.260 deg. F
temperature 23	(72.780)	= 72.780 deg. F
temperature 24	(76.770)	= 76.770 deg. F
temperature 25	(76.160)	= 76.160 deg. F
temperature 26	(76.730)	= 76.730 deg. F
temperature 27	(73.780)	= 73.780 deg. F
dewpoint 1	(67.960)	= 67.960 deg. F , 0.3384 psia
dewpoint 2	(67.570)	= 67.570 deg. F , 0.3339 psia
dewpoint 3	(67.010)	= 67.010 deg. F , 0.3275 psia
dewpoint 4	(67.050)	= 67.050 deg. F , 0.3280 psia
dewpoint 5	(67.330)	= 67.330 deg. F , 0.3312 psia
dewpoint 6	(65.950)	= 65.950 deg. F , 0.3157 psia
pressure 1	(64.1455)	= 64.1455 psia
pressure 2	(64.1488)	= 64.1488 psia

weighted averages, volume and air mass

temperature	=	76.80180 deg. F
pressure	=	64.14716 psia
vapor pressure	=	0.32899 psia
volume	=	2600000 cu. ft.
dry air mass	=	834831.52 lbm

PVNGS 2 -- 1991 ILRT -- STABILIZATION

data set 12

time = 930 date = 1218

sensor		raw data	=	value	
temperature	1	(77.040)	=	77.040	deg. F
temperature	2	(77.100)	=	77.100	deg. F
temperature	3	(77.280)	=	77.280	deg. F
temperature	4	(77.320)	=	77.320	deg. F
temperature	5	(77.180)	=	77.180	deg. F
temperature	6	(77.240)	=	77.240	deg. F
temperature	7	(77.160)	=	77.160	deg. F
temperature	8	(77.370)	=	77.370	deg. F
temperature	9	(77.400)	=	77.400	deg. F
temperature	10	(77.370)	=	77.370	deg. F
temperature	11	(77.320)	=	77.320	deg. F
temperature	12	(77.220)	=	77.220	deg. F
temperature	13	(77.430)	=	77.430	deg. F
temperature	14	(77.510)	=	77.510	deg. F
temperature	15	(78.050)	=	78.050	deg. F
temperature	16	(76.730)	=	76.730	deg. F
temperature	17	(76.920)	=	76.920	deg. F
temperature	18	(75.800)	=	75.800	deg. F
temperature	19	(75.540)	=	75.540	deg. F
temperature	20	(75.070)	=	75.070	deg. F
temperature	21	(73.750)	=	73.750	deg. F
temperature	22	(74.260)	=	74.260	deg. F
temperature	23	(72.770)	=	72.770	deg. F
temperature	24	(76.750)	=	76.750	deg. F
temperature	25	(76.150)	=	76.150	deg. F
temperature	26	(76.710)	=	76.710	deg. F
temperature	27	(73.790)	=	73.790	deg. F
dewpoint	1	(68.180)	=	68.180	deg. F , 0.3410 psia
dewpoint	2	(67.460)	=	67.460	deg. F , 0.3326 psia
dewpoint	3	(66.970)	=	66.970	deg. F , 0.3271 psia
dewpoint	4	(67.090)	=	67.090	deg. F , 0.3284 psia
dewpoint	5	(67.370)	=	67.370	deg. F , 0.3316 psia
dewpoint	6	(66.050)	=	66.050	deg. F , 0.3168 psia
pressure	1	(64.1326)	=	64.1326	psia
pressure	2	(64.1359)	=	64.1359	psia

weighted averages, volume and air mass

temperature	=	76.69607	deg. F
pressure	=	64.13425	psia
vapor pressure	=	0.32873	psia
volume	=	2600000	cu. ft.
dry air mass	=	834830.54	lbm

PVNGS 2 -- 1991 ILRT -- STABILIZATION

data set 13

time = 945 date = 1218

sensor	raw data	value
temperature 1 (	76.910)	= 76.910 deg. F
temperature 2 (	76.960)	= 76.960 deg. F
temperature 3 (	77.130)	= 77.130 deg. F
temperature 4 (	77.180)	= 77.180 deg. F
temperature 5 (	77.030)	= 77.030 deg. F
temperature 6 (	77.100)	= 77.100 deg. F
temperature 7 (	77.020)	= 77.020 deg. F
temperature 8 (	77.240)	= 77.240 deg. F
temperature 9 (	77.270)	= 77.270 deg. F
temperature 10 (	77.220)	= 77.220 deg. F
temperature 11 (	77.170)	= 77.170 deg. F
temperature 12 (	77.090)	= 77.090 deg. F
temperature 13 (	77.320)	= 77.320 deg. F
temperature 14 (	77.380)	= 77.380 deg. F
temperature 15 (	77.970)	= 77.970 deg. F
temperature 16 (	76.670)	= 76.670 deg. F
temperature 17 (	76.890)	= 76.890 deg. F
temperature 18 (	75.770)	= 75.770 deg. F
temperature 19 (	75.520)	= 75.520 deg. F
temperature 20 (	75.090)	= 75.090 deg. F
temperature 21 (	73.760)	= 73.760 deg. F
temperature 22 (	74.270)	= 74.270 deg. F
temperature 23 (	72.780)	= 72.780 deg. F
temperature 24 (	76.730)	= 76.730 deg. F
temperature 25 (	76.120)	= 76.120 deg. F
temperature 26 (	76.670)	= 76.670 deg. F
temperature 27 (	73.780)	= 73.780 deg. F
dewpoint 1 (	67.670)	= 67.670 deg. F , 0.3351 psia
dewpoint 2 (	67.370)	= 67.370 deg. F , 0.3316 psia
dewpoint 3 (	66.930)	= 66.930 deg. F , 0.3266 psia
dewpoint 4 (	67.160)	= 67.160 deg. F , 0.3292 psia
dewpoint 5 (	67.370)	= 67.370 deg. F , 0.3316 psia
dewpoint 6 (	66.160)	= 66.160 deg. F , 0.3180 psia
pressure 1 (	64.1205)	= 64.1205 psia
pressure 2 (	64.1239)	= 64.1239 psia

weighted averages, volume and air mass

temperature	=	76.59985 deg. F
pressure	=	64.12220 psia
vapor pressure	=	0.32857 psia
volume	=	2600000 cu. ft.
dry air mass	=	834824.86 lbm



PVNGS 2 -- 1991 ILRT -- STABILIZATION

data set 14

time = 1000 date = 1218

sensor		raw data		value	
temperature	1	(76.770)	=	76.770	deg. F
temperature	2	(76.850)	=	76.850	deg. F
temperature	3	(76.960)	=	76.960	deg. F
temperature	4	(77.060)	=	77.060	deg. F
temperature	5	(76.910)	=	76.910	deg. F
temperature	6	(76.980)	=	76.980	deg. F
temperature	7	(76.900)	=	76.900	deg. F
temperature	8	(77.110)	=	77.110	deg. F
temperature	9	(77.150)	=	77.150	deg. F
temperature	10	(77.090)	=	77.090	deg. F
temperature	11	(77.070)	=	77.070	deg. F
temperature	12	(76.990)	=	76.990	deg. F
temperature	13	(77.220)	=	77.220	deg. F
temperature	14	(77.260)	=	77.260	deg. F
temperature	15	(77.910)	=	77.910	deg. F
temperature	16	(76.580)	=	76.580	deg. F
temperature	17	(76.840)	=	76.840	deg. F
temperature	18	(75.780)	=	75.780	deg. F
temperature	19	(75.520)	=	75.520	deg. F
temperature	20	(75.080)	=	75.080	deg. F
temperature	21	(73.760)	=	73.760	deg. F
temperature	22	(74.280)	=	74.280	deg. F
temperature	23	(72.780)	=	72.780	deg. F
temperature	24	(76.720)	=	76.720	deg. F
temperature	25	(76.090)	=	76.090	deg. F
temperature	26	(76.630)	=	76.630	deg. F
temperature	27	(73.740)	=	73.740	deg. F
dewpoint	1	(67.850)	=	67.850	deg. F , 0.3371 psia
dewpoint	2	(67.200)	=	67.200	deg. F , 0.3297 psia
dewpoint	3	(66.880)	=	66.880	deg. F , 0.3260 psia
dewpoint	4	(67.120)	=	67.120	deg. F , 0.3288 psia
dewpoint	5	(67.300)	=	67.300	deg. F , 0.3308 psia
dewpoint	6	(66.280)	=	66.280	deg. F , 0.3193 psia
pressure	1	(64.1091)	=	64.1091	psia
pressure	2	(64.1126)	=	64.1126	psia

weighted averages, volume and air mass

temperature	=	76.51361	deg. F
pressure	=	64.11086	psia
vapor pressure	=	0.32773	psia
volume	=	2600000	cu. ft.
dry air mass	=	834821.63	lbm



PVNGS 2 -- 1991 ILRT -- STABILIZATION

data set 15

time = 1015 date = 1218

sensor	raw data	value
temperature 1	(76.650)	= 76.650 deg. F
temperature 2	(76.730)	= 76.730 deg. F
temperature 3	(76.820)	= 76.820 deg. F
temperature 4	(76.940)	= 76.940 deg. F
temperature 5	(76.780)	= 76.780 deg. F
temperature 6	(76.840)	= 76.840 deg. F
temperature 7	(76.780)	= 76.780 deg. F
temperature 8	(76.990)	= 76.990 deg. F
temperature 9	(77.040)	= 77.040 deg. F
temperature 10	(76.980)	= 76.980 deg. F
temperature 11	(77.000)	= 77.000 deg. F
temperature 12	(76.870)	= 76.870 deg. F
temperature 13	(77.150)	= 77.150 deg. F
temperature 14	(77.250)	= 77.250 deg. F
temperature 15	(77.820)	= 77.820 deg. F
temperature 16	(76.500)	= 76.500 deg. F
temperature 17	(76.790)	= 76.790 deg. F
temperature 18	(75.790)	= 75.790 deg. F
temperature 19	(75.510)	= 75.510 deg. F
temperature 20	(75.090)	= 75.090 deg. F
temperature 21	(73.770)	= 73.770 deg. F
temperature 22	(74.270)	= 74.270 deg. F
temperature 23	(72.790)	= 72.790 deg. F
temperature 24	(76.710)	= 76.710 deg. F
temperature 25	(76.070)	= 76.070 deg. F
temperature 26	(76.610)	= 76.610 deg. F
temperature 27	(73.770)	= 73.770 deg. F
dewpoint 1	(67.710)	= 67.710 deg. F , 0.3355 psia
dewpoint 2	(67.140)	= 67.140 deg. F , 0.3290 psia
dewpoint 3	(66.830)	= 66.830 deg. F , 0.3255 psia
dewpoint 4	(67.090)	= 67.090 deg. F , 0.3284 psia
dewpoint 5	(67.170)	= 67.170 deg. F , 0.3293 psia
dewpoint 6	(66.370)	= 66.370 deg. F , 0.3203 psia
pressure 1	(64.0993)	= 64.0993 psia
pressure 2	(64.1025)	= 64.1025 psia

weighted averages, volume and air mass

temperature	=	76.43580 deg. F
pressure	=	64.10090 psia
vapor pressure	=	0.32721 psia
volume	=	2600000 cu. ft.
dry air mass	=	834819.21 lbm

PVNGS 2 -- 1991 ILRT -- STABILIZATION

data set 16

time = 1030 date = 1218

sensor		raw data		value	
temperature	1	(76.540)	=	76.540	deg. F
temperature	2	(76.620)	=	76.620	deg. F
temperature	3	(76.770)	=	76.770	deg. F
temperature	4	(76.820)	=	76.820	deg. F
temperature	5	(76.670)	=	76.670	deg. F
temperature	6	(76.760)	=	76.760	deg. F
temperature	7	(76.680)	=	76.680	deg. F
temperature	8	(76.890)	=	76.890	deg. F
temperature	9	(76.920)	=	76.920	deg. F
temperature	10	(76.880)	=	76.880	deg. F
temperature	11	(76.880)	=	76.880	deg. F
temperature	12	(76.790)	=	76.790	deg. F
temperature	13	(77.070)	=	77.070	deg. F
temperature	14	(77.190)	=	77.190	deg. F
temperature	15	(77.760)	=	77.760	deg. F
temperature	16	(76.430)	=	76.430	deg. F
temperature	17	(76.750)	=	76.750	deg. F
temperature	18	(75.800)	=	75.800	deg. F
temperature	19	(75.500)	=	75.500	deg. F
temperature	20	(75.090)	=	75.090	deg. F
temperature	21	(73.770)	=	73.770	deg. F
temperature	22	(74.280)	=	74.280	deg. F
temperature	23	(72.800)	=	72.800	deg. F
temperature	24	(76.700)	=	76.700	deg. F
temperature	25	(76.040)	=	76.040	deg. F
temperature	26	(76.580)	=	76.580	deg. F
temperature	27	(73.740)	=	73.740	deg. F
dewpoint	1	(67.390)	=	67.390	deg. F , 0.3318 psia
dewpoint	2	(67.070)	=	67.070	deg. F , 0.3282 psia
dewpoint	3	(66.830)	=	66.830	deg. F , 0.3255 psia
dewpoint	4	(67.110)	=	67.110	deg. F , 0.3287 psia
dewpoint	5	(67.090)	=	67.090	deg. F , 0.3284 psia
dewpoint	6	(66.470)	=	66.470	deg. F , 0.3215 psia
pressure	1	(64.0895)	=	64.0895	psia
pressure	2	(64.0928)	=	64.0928	psia

weighted averages, volume and air mass

temperature	=	76.36738	deg. F
pressure	=	64.09115	psia
vapor pressure	=	0.32697	psia
volume	=	2600000	cu. ft.
dry air mass	=	834801.28	lbm



PVNGS 2 -- 1991 ILRT -- STABILIZATION

data set 17

time = 1045 date = 1218

sensor	raw data	value
temperature 1	(76.460)	= 76.460 deg. F
temperature 2	(76.520)	= 76.520 deg. F
temperature 3	(76.640)	= 76.640 deg. F
temperature 4	(76.720)	= 76.720 deg. F
temperature 5	(76.570)	= 76.570 deg. F
temperature 6	(76.620)	= 76.620 deg. F
temperature 7	(76.570)	= 76.570 deg. F
temperature 8	(76.780)	= 76.780 deg. F
temperature 9	(76.830)	= 76.830 deg. F
temperature 10	(76.790)	= 76.790 deg. F
temperature 11	(76.820)	= 76.820 deg. F
temperature 12	(76.710)	= 76.710 deg. F
temperature 13	(76.980)	= 76.980 deg. F
temperature 14	(77.040)	= 77.040 deg. F
temperature 15	(77.700)	= 77.700 deg. F
temperature 16	(76.360)	= 76.360 deg. F
temperature 17	(76.690)	= 76.690 deg. F
temperature 18	(75.780)	= 75.780 deg. F
temperature 19	(75.480)	= 75.480 deg. F
temperature 20	(75.070)	= 75.070 deg. F
temperature 21	(73.790)	= 73.790 deg. F
temperature 22	(74.280)	= 74.280 deg. F
temperature 23	(72.800)	= 72.800 deg. F
temperature 24	(76.710)	= 76.710 deg. F
temperature 25	(76.020)	= 76.020 deg. F
temperature 26	(76.530)	= 76.530 deg. F
temperature 27	(73.750)	= 73.750 deg. F
dewpoint 1	(67.270)	= 67.270 deg. F , 0.3305 psia
dewpoint 2	(67.020)	= 67.020 deg. F , 0.3276 psia
dewpoint 3	(66.790)	= 66.790 deg. F , 0.3250 psia
dewpoint 4	(67.010)	= 67.010 deg. F , 0.3275 psia
dewpoint 5	(67.050)	= 67.050 deg. F , 0.3280 psia
dewpoint 6	(66.520)	= 66.520 deg. F , 0.3220 psia
pressure 1	(64.0801)	= 64.0801 psia
pressure 2	(64.0837)	= 64.0837 psia

weighted averages, volume and air mass

temperature	=	76.29256 deg. F
pressure	=	64.08190 psia
vapor pressure	=	0.32648 psia
volume	=	2600000 cu. ft.
dry air mass	=	834803.23 lbm



PVNGS 2 -- 1991 ILRT -- STABILIZATION

data set 18

time = 1100 date = 1218

sensor	raw data	value
temperature 1	(76.350)	= 76.350 deg. F
temperature 2	(76.420)	= 76.420 deg. F
temperature 3	(76.560)	= 76.560 deg. F
temperature 4	(76.630)	= 76.630 deg. F
temperature 5	(76.480)	= 76.480 deg. F
temperature 6	(76.550)	= 76.550 deg. F
temperature 7	(76.470)	= 76.470 deg. F
temperature 8	(76.690)	= 76.690 deg. F
temperature 9	(76.750)	= 76.750 deg. F
temperature 10	(76.720)	= 76.720 deg. F
temperature 11	(76.730)	= 76.730 deg. F
temperature 12	(76.670)	= 76.670 deg. F
temperature 13	(76.910)	= 76.910 deg. F
temperature 14	(77.030)	= 77.030 deg. F
temperature 15	(77.650)	= 77.650 deg. F
temperature 16	(76.310)	= 76.310 deg. F
temperature 17	(76.650)	= 76.650 deg. F
temperature 18	(75.760)	= 75.760 deg. F
temperature 19	(75.460)	= 75.460 deg. F
temperature 20	(75.080)	= 75.080 deg. F
temperature 21	(73.800)	= 73.800 deg. F
temperature 22	(74.290)	= 74.290 deg. F
temperature 23	(72.810)	= 72.810 deg. F
temperature 24	(76.710)	= 76.710 deg. F
temperature 25	(75.990)	= 75.990 deg. F
temperature 26	(76.510)	= 76.510 deg. F
temperature 27	(73.750)	= 73.750 deg. F
dewpoint 1	(67.400)	= 67.400 deg. F , 0.3320 psia
dewpoint 2	(66.970)	= 66.970 deg. F , 0.3271 psia
dewpoint 3	(66.780)	= 66.780 deg. F , 0.3249 psia
dewpoint 4	(66.980)	= 66.980 deg. F , 0.3272 psia
dewpoint 5	(66.940)	= 66.940 deg. F , 0.3267 psia
dewpoint 6	(66.580)	= 66.580 deg. F , 0.3227 psia
pressure 1	(64.0715)	= 64.0715 psia
pressure 2	(64.0753)	= 64.0753 psia

weighted averages, volume and air mass

temperature	=	76.23695 deg. F
pressure	=	64.07340 psia
vapor pressure	=	0.32609 psia
volume	=	2600000 cu. ft.
dry air mass	=	834783.62 lbm

PVNGS 2 -- 1991 ILRT -- STABILIZATION

data set 19

time = 1115 date = 1218

sensor	raw data	value
temperature 1	(76.260) =	76.260 deg. F
temperature 2	(76.340) =	76.340 deg. F
temperature 3	(76.490) =	76.490 deg. F
temperature 4	(76.540) =	76.540 deg. F
temperature 5	(76.400) =	76.400 deg. F
temperature 6	(76.440) =	76.440 deg. F
temperature 7	(76.380) =	76.380 deg. F
temperature 8	(76.610) =	76.610 deg. F
temperature 9	(76.660) =	76.660 deg. F
temperature 10	(76.630) =	76.630 deg. F
temperature 11	(76.680) =	76.680 deg. F
temperature 12	(76.640) =	76.640 deg. F
temperature 13	(76.820) =	76.820 deg. F
temperature 14	(77.050) =	77.050 deg. F
temperature 15	(77.580) =	77.580 deg. F
temperature 16	(76.270) =	76.270 deg. F
temperature 17	(76.600) =	76.600 deg. F
temperature 18	(75.770) =	75.770 deg. F
temperature 19	(75.450) =	75.450 deg. F
temperature 20	(75.070) =	75.070 deg. F
temperature 21	(73.800) =	73.800 deg. F
temperature 22	(74.290) =	74.290 deg. F
temperature 23	(72.810) =	72.810 deg. F
temperature 24	(76.680) =	76.680 deg. F
temperature 25	(75.970) =	75.970 deg. F
temperature 26	(76.470) =	76.470 deg. F
temperature 27	(73.730) =	73.730 deg. F
dewpoint 1	(67.450) =	67.450 deg. F , 0.3325 psia
dewpoint 2	(66.940) =	66.940 deg. F , 0.3267 psia
dewpoint 3	(66.830) =	66.830 deg. F , 0.3255 psia
dewpoint 4	(66.940) =	66.940 deg. F , 0.3267 psia
dewpoint 5	(66.870) =	66.870 deg. F , 0.3259 psia
dewpoint 6	(66.620) =	66.620 deg. F , 0.3231 psia
pressure 1	(64.0634) =	64.0634 psia
pressure 2	(64.0673) =	64.0673 psia

weighted averages, volume and air mass

temperature	=	76.18217 deg. F
pressure	=	64.06535 psia
vapor pressure	=	0.32593 psia
volume	=	2600000 cu. ft.
dry air mass	=	834765.57 lbm



PVNGS 2 -- 1991 ILRT -- STABILIZATION

data set 20

time = 1130 date = 1218

sensor		raw data		value	
temperature	1	(76.160)	=	76.160	deg. F
temperature	2	(76.260)	=	76.260	deg. F
temperature	3	(76.380)	=	76.380	deg. F
temperature	4	(76.460)	=	76.460	deg. F
temperature	5	(76.310)	=	76.310	deg. F
temperature	6	(76.360)	=	76.360	deg. F
temperature	7	(76.300)	=	76.300	deg. F
temperature	8	(76.530)	=	76.530	deg. F
temperature	9	(76.590)	=	76.590	deg. F
temperature	10	(76.540)	=	76.540	deg. F
temperature	11	(76.600)	=	76.600	deg. F
temperature	12	(76.570)	=	76.570	deg. F
temperature	13	(76.760)	=	76.760	deg. F
temperature	14	(77.020)	=	77.020	deg. F
temperature	15	(77.530)	=	77.530	deg. F
temperature	16	(76.210)	=	76.210	deg. F
temperature	17	(76.560)	=	76.560	deg. F
temperature	18	(75.760)	=	75.760	deg. F
temperature	19	(75.440)	=	75.440	deg. F
temperature	20	(75.080)	=	75.080	deg. F
temperature	21	(73.810)	=	73.810	deg. F
temperature	22	(74.310)	=	74.310	deg. F
temperature	23	(72.810)	=	72.810	deg. F
temperature	24	(76.680)	=	76.680	deg. F
temperature	25	(75.960)	=	75.960	deg. F
temperature	26	(76.440)	=	76.440	deg. F
temperature	27	(73.740)	=	73.740	deg. F
dewpoint	1	(67.540)	=	67.540	deg. F , 0.3336 psia
dewpoint	2	(66.880)	=	66.880	deg. F , 0.3260 psia
dewpoint	3	(66.830)	=	66.830	deg. F , 0.3255 psia
dewpoint	4	(66.900)	=	66.900	deg. F , 0.3263 psia
dewpoint	5	(66.860)	=	66.860	deg. F , 0.3258 psia
dewpoint	6	(66.630)	=	66.630	deg. F , 0.3232 psia
pressure	1	(64.0560)	=	64.0560	psia
pressure	2	(64.0593)	=	64.0593	psia

weighted averages, volume and air mass

temperature	=	76.12608	deg. F
pressure	=	64.05765	psia
vapor pressure	=	0.32561	psia
volume	=	2600000	cu. ft.
dry air mass	=	834756.27	lbm

PVNGS 2 -- 1991 ILRT -- STABILIZATION

data set 21

time = 1145 date = 1218

sensor	raw data	value
temperature 1	(76.120)	= 76.120 deg. F
temperature 2	(76.190)	= 76.190 deg. F
temperature 3	(76.330)	= 76.330 deg. F
temperature 4	(76.390)	= 76.390 deg. F
temperature 5	(76.240)	= 76.240 deg. F
temperature 6	(76.310)	= 76.310 deg. F
temperature 7	(76.230)	= 76.230 deg. F
temperature 8	(76.450)	= 76.450 deg. F
temperature 9	(76.520)	= 76.520 deg. F
temperature 10	(76.490)	= 76.490 deg. F
temperature 11	(76.530)	= 76.530 deg. F
temperature 12	(76.520)	= 76.520 deg. F
temperature 13	(76.710)	= 76.710 deg. F
temperature 14	(77.040)	= 77.040 deg. F
temperature 15	(77.480)	= 77.480 deg. F
temperature 16	(76.200)	= 76.200 deg. F
temperature 17	(76.530)	= 76.530 deg. F
temperature 18	(75.720)	= 75.720 deg. F
temperature 19	(75.440)	= 75.440 deg. F
temperature 20	(75.070)	= 75.070 deg. F
temperature 21	(73.810)	= 73.810 deg. F
temperature 22	(74.310)	= 74.310 deg. F
temperature 23	(72.810)	= 72.810 deg. F
temperature 24	(76.650)	= 76.650 deg. F
temperature 25	(75.940)	= 75.940 deg. F
temperature 26	(76.430)	= 76.430 deg. F
temperature 27	(73.750)	= 73.750 deg. F
dewpoint 1	(67.240)	= 67.240 deg. F , 0.3301 psia
dewpoint 2	(66.890)	= 66.890 deg. F , 0.3262 psia
dewpoint 3	(66.760)	= 66.760 deg. F , 0.3247 psia
dewpoint 4	(66.850)	= 66.850 deg. F , 0.3257 psia
dewpoint 5	(66.780)	= 66.780 deg. F , 0.3249 psia
dewpoint 6	(66.620)	= 66.620 deg. F , 0.3231 psia
pressure 1	(64.0490)	= 64.0490 psia
pressure 2	(64.0521)	= 64.0521 psia

weighted averages, volume and air mass

temperature	=	76.08396 deg. F
pressure	=	64.05055 psia
vapor pressure	=	0.32524 psia
volume	=	2600000 cu. ft.
dry air mass	=	834733.73 lbm

PVNGS 2 -- 1991 ILRT -- STABILIZATION

data set 22

time = 1200 date = 1218

sensor	raw data	value
temperature 1	(76.030)	= 76.030 deg. F
temperature 2	(76.110)	= 76.110 deg. F
temperature 3	(76.250)	= 76.250 deg. F
temperature 4	(76.300)	= 76.300 deg. F
temperature 5	(76.160)	= 76.160 deg. F
temperature 6	(76.220)	= 76.220 deg. F
temperature 7	(76.180)	= 76.180 deg. F
temperature 8	(76.360)	= 76.360 deg. F
temperature 9	(76.440)	= 76.440 deg. F
temperature 10	(76.420)	= 76.420 deg. F
temperature 11	(76.450)	= 76.450 deg. F
temperature 12	(76.470)	= 76.470 deg. F
temperature 13	(76.630)	= 76.630 deg. F
temperature 14	(76.950)	= 76.950 deg. F
temperature 15	(77.430)	= 77.430 deg. F
temperature 16	(76.170)	= 76.170 deg. F
temperature 17	(76.480)	= 76.480 deg. F
temperature 18	(75.670)	= 75.670 deg. F
temperature 19	(75.430)	= 75.430 deg. F
temperature 20	(75.060)	= 75.060 deg. F
temperature 21	(73.800)	= 73.800 deg. F
temperature 22	(74.300)	= 74.300 deg. F
temperature 23	(72.820)	= 72.820 deg. F
temperature 24	(76.600)	= 76.600 deg. F
temperature 25	(75.930)	= 75.930 deg. F
temperature 26	(76.390)	= 76.390 deg. F
temperature 27	(73.750)	= 73.750 deg. F
dewpoint 1	(67.150)	= 67.150 deg. F , 0.3291 psia
dewpoint 2	(66.810)	= 66.810 deg. F , 0.3253 psia
dewpoint 3	(66.720)	= 66.720 deg. F , 0.3243 psia
dewpoint 4	(66.810)	= 66.810 deg. F , 0.3253 psia
dewpoint 5	(66.770)	= 66.770 deg. F , 0.3248 psia
dewpoint 6	(66.620)	= 66.620 deg. F , 0.3231 psia
pressure 1	(64.0422)	= 64.0422 psia
pressure 2	(64.0455)	= 64.0455 psia

weighted averages, volume and air mass

temperature	=	76.02443 deg. F
pressure	=	64.04385 psia
vapor pressure	=	0.32474 psia
volume	=	2600000 cu. ft.
dry air mass	=	834745.37 lbm



PVNGS 2 -- 1991 ILRT -- STABILIZATION

data set 23

time = 1215 date = 1218

sensor	raw data	value
temperature 1	(75.930)	= 75.930 deg. F
temperature 2	(76.030)	= 76.030 deg. F
temperature 3	(76.170)	= 76.170 deg. F
temperature 4	(76.240)	= 76.240 deg. F
temperature 5	(76.090)	= 76.090 deg. F
temperature 6	(76.190)	= 76.190 deg. F
temperature 7	(76.100)	= 76.100 deg. F
temperature 8	(76.300)	= 76.300 deg. F
temperature 9	(76.370)	= 76.370 deg. F
temperature 10	(76.350)	= 76.350 deg. F
temperature 11	(76.370)	= 76.370 deg. F
temperature 12	(76.400)	= 76.400 deg. F
temperature 13	(76.570)	= 76.570 deg. F
temperature 14	(76.940)	= 76.940 deg. F
temperature 15	(77.390)	= 77.390 deg. F
temperature 16	(76.140)	= 76.140 deg. F
temperature 17	(76.430)	= 76.430 deg. F
temperature 18	(75.660)	= 75.660 deg. F
temperature 19	(75.410)	= 75.410 deg. F
temperature 20	(75.060)	= 75.060 deg. F
temperature 21	(73.800)	= 73.800 deg. F
temperature 22	(74.310)	= 74.310 deg. F
temperature 23	(72.820)	= 72.820 deg. F
temperature 24	(76.600)	= 76.600 deg. F
temperature 25	(75.900)	= 75.900 deg. F
temperature 26	(76.370)	= 76.370 deg. F
temperature 27	(73.730)	= 73.730 deg. F
dewpoint 1	(68.040)	= 68.040 deg. F , 0.3394 psia
dewpoint 2	(66.770)	= 66.770 deg. F , 0.3248 psia
dewpoint 3	(66.650)	= 66.650 deg. F , 0.3235 psia
dewpoint 4	(66.770)	= 66.770 deg. F , 0.3248 psia
dewpoint 5	(66.730)	= 66.730 deg. F , 0.3244 psia
dewpoint 6	(66.610)	= 66.610 deg. F , 0.3230 psia
pressure 1	(64.0354)	= 64.0354 psia
pressure 2	(64.0387)	= 64.0387 psia

weighted averages, volume and air mass

temperature	=	75.97681 deg. F
pressure	=	64.03705 psia
vapor pressure	=	0.32426 psia
volume	=	2600000 cu. ft.
dry air mass	=	834736.64 lbm



PVNGS 2 -- 1991 ILRT -- STABILIZATION

data set 24

time = 1230 date = 1218

sensor		raw data	=	value	
temperature	1	(75.890)	=	75.890	deg. F
temperature	2	(75.980)	=	75.980	deg. F
temperature	3	(76.100)	=	76.100	deg. F
temperature	4	(76.170)	=	76.170	deg. F
temperature	5	(76.020)	=	76.020	deg. F
temperature	6	(76.100)	=	76.100	deg. F
temperature	7	(76.040)	=	76.040	deg. F
temperature	8	(76.250)	=	76.250	deg. F
temperature	9	(76.310)	=	76.310	deg. F
temperature	10	(76.280)	=	76.280	deg. F
temperature	11	(76.300)	=	76.300	deg. F
temperature	12	(76.330)	=	76.330	deg. F
temperature	13	(76.510)	=	76.510	deg. F
temperature	14	(76.870)	=	76.870	deg. F
temperature	15	(77.330)	=	77.330	deg. F
temperature	16	(76.170)	=	76.170	deg. F
temperature	17	(76.380)	=	76.380	deg. F
temperature	18	(75.650)	=	75.650	deg. F
temperature	19	(75.400)	=	75.400	deg. F
temperature	20	(75.050)	=	75.050	deg. F
temperature	21	(73.810)	=	73.810	deg. F
temperature	22	(74.310)	=	74.310	deg. F
temperature	23	(72.820)	=	72.820	deg. F
temperature	24	(76.580)	=	76.580	deg. F
temperature	25	(75.900)	=	75.900	deg. F
temperature	26	(76.330)	=	76.330	deg. F
temperature	27	(73.790)	=	73.790	deg. F
dewpoint	1	(66.730)	=	66.730	deg. F , 0.3244 psia
dewpoint	2	(66.780)	=	66.780	deg. F , 0.3249 psia
dewpoint	3	(66.640)	=	66.640	deg. F , 0.3234 psia
dewpoint	4	(66.730)	=	66.730	deg. F , 0.3244 psia
dewpoint	5	(66.710)	=	66.710	deg. F , 0.3241 psia
dewpoint	6	(66.610)	=	66.610	deg. F , 0.3230 psia
pressure	1	(64.0295)	=	64.0295	psia
pressure	2	(64.0327)	=	64.0327	psia

weighted averages, volume and air mass

temperature	=	75.93065	deg. F
pressure	=	64.03110	psia
vapor pressure	=	0.32417	psia
volume	=	2600000	cu. ft.
dry air mass	=	834731.89	lbm

PVNGS 2 -- 1991 ILRT -- STABILIZATION

data set 25

time = 1245 date = 1218

sensor		raw data		value	
temperature	1	(75.850)	=	75.850	deg. F
temperature	2	(75.900)	=	75.900	deg. F
temperature	3	(76.030)	=	76.030	deg. F
temperature	4	(76.110)	=	76.110	deg. F
temperature	5	(75.970)	=	75.970	deg. F
temperature	6	(76.040)	=	76.040	deg. F
temperature	7	(75.970)	=	75.970	deg. F
temperature	8	(76.180)	=	76.180	deg. F
temperature	9	(76.240)	=	76.240	deg. F
temperature	10	(76.230)	=	76.230	deg. F
temperature	11	(76.250)	=	76.250	deg. F
temperature	12	(76.260)	=	76.260	deg. F
temperature	13	(76.450)	=	76.450	deg. F
temperature	14	(76.910)	=	76.910	deg. F
temperature	15	(77.290)	=	77.290	deg. F
temperature	16	(76.050)	=	76.050	deg. F
temperature	17	(76.360)	=	76.360	deg. F
temperature	18	(75.630)	=	75.630	deg. F
temperature	19	(75.390)	=	75.390	deg. F
temperature	20	(75.050)	=	75.050	deg. F
temperature	21	(73.810)	=	73.810	deg. F
temperature	22	(74.300)	=	74.300	deg. F
temperature	23	(72.820)	=	72.820	deg. F
temperature	24	(76.530)	=	76.530	deg. F
temperature	25	(75.880)	=	75.880	deg. F
temperature	26	(76.290)	=	76.290	deg. F
temperature	27	(73.780)	=	73.780	deg. F
dewpoint	1	(67.070)	=	67.070	deg. F , 0.3282 psia
dewpoint	2	(66.710)	=	66.710	deg. F , 0.3241 psia
dewpoint	3	(66.640)	=	66.640	deg. F , 0.3234 psia
dewpoint	4	(66.720)	=	66.720	deg. F , 0.3243 psia
dewpoint	5	(66.570)	=	66.570	deg. F , 0.3226 psia
dewpoint	6	(66.590)	=	66.590	deg. F , 0.3228 psia
pressure	1	(64.0236)	=	64.0236	psia
pressure	2	(64.0268)	=	64.0268	psia

weighted averages, volume and air mass

temperature	=	75.88469	deg. F
pressure	=	64.02520	psia
vapor pressure	=	0.32361	psia
volume	=	2600000	cu. ft.
dry air mass	=	834733.53	lbm

PVNGS 2 -- 1991 ILRT -- STABILIZATION

data set 26

time = 1300 date = 1218

sensor	raw data	value
temperature 1 (75.760)	=	75.760 deg. F
temperature 2 (75.850)	=	75.850 deg. F
temperature 3 (76.000)	=	76.000 deg. F
temperature 4 (76.040)	=	76.040 deg. F
temperature 5 (75.900)	=	75.900 deg. F
temperature 6 (75.990)	=	75.990 deg. F
temperature 7 (75.910)	=	75.910 deg. F
temperature 8 (76.140)	=	76.140 deg. F
temperature 9 (76.190)	=	76.190 deg. F
temperature 10 (76.180)	=	76.180 deg. F
temperature 11 (76.200)	=	76.200 deg. F
temperature 12 (76.220)	=	76.220 deg. F
temperature 13 (76.410)	=	76.410 deg. F
temperature 14 (76.890)	=	76.890 deg. F
temperature 15 (77.250)	=	77.250 deg. F
temperature 16 (76.100)	=	76.100 deg. F
temperature 17 (76.320)	=	76.320 deg. F
temperature 18 (75.600)	=	75.600 deg. F
temperature 19 (75.380)	=	75.380 deg. F
temperature 20 (75.050)	=	75.050 deg. F
temperature 21 (73.800)	=	73.800 deg. F
temperature 22 (74.310)	=	74.310 deg. F
temperature 23 (72.830)	=	72.830 deg. F
temperature 24 (76.520)	=	76.520 deg. F
temperature 25 (75.850)	=	75.850 deg. F
temperature 26 (76.250)	=	76.250 deg. F
temperature 27 (73.770)	=	73.770 deg. F
dewpoint 1 (66.840)	=	66.840 deg. F , 0.3256 psia
dewpoint 2 (66.680)	=	66.680 deg. F , 0.3238 psia
dewpoint 3 (66.600)	=	66.600 deg. F , 0.3229 psia
dewpoint 4 (66.680)	=	66.680 deg. F , 0.3238 psia
dewpoint 5 (66.630)	=	66.630 deg. F , 0.3232 psia
dewpoint 6 (66.570)	=	66.570 deg. F , 0.3226 psia
pressure 1 (64.0171)	=	64.0171 psia
pressure 2 (64.0206)	=	64.0206 psia

weighted averages, volume and air mass

temperature	=	75.85033 deg. F
pressure	=	64.01884 psia
vapor pressure	=	0.32339 psia
volume	=	2600000 cu. ft.
dry air mass	=	834706.63 lbm

PVNGS 2 -- 1991 ILRT -- STABILIZATION

data set 27

time = 1315 date = 1218

sensor	raw data	value
temperature 1	(75.730)	= 75.730 deg. F
temperature 2	(75.810)	= 75.810 deg. F
temperature 3	(75.950)	= 75.950 deg. F
temperature 4	(75.980)	= 75.980 deg. F
temperature 5	(75.860)	= 75.860 deg. F
temperature 6	(75.910)	= 75.910 deg. F
temperature 7	(75.870)	= 75.870 deg. F
temperature 8	(76.080)	= 76.080 deg. F
temperature 9	(76.130)	= 76.130 deg. F
temperature 10	(76.130)	= 76.130 deg. F
temperature 11	(76.140)	= 76.140 deg. F
temperature 12	(76.190)	= 76.190 deg. F
temperature 13	(76.370)	= 76.370 deg. F
temperature 14	(76.850)	= 76.850 deg. F
temperature 15	(77.210)	= 77.210 deg. F
temperature 16	(76.110)	= 76.110 deg. F
temperature 17	(76.280)	= 76.280 deg. F
temperature 18	(75.570)	= 75.570 deg. F
temperature 19	(75.360)	= 75.360 deg. F
temperature 20	(75.030)	= 75.030 deg. F
temperature 21	(73.810)	= 73.810 deg. F
temperature 22	(74.330)	= 74.330 deg. F
temperature 23	(72.830)	= 72.830 deg. F
temperature 24	(76.490)	= 76.490 deg. F
temperature 25	(75.830)	= 75.830 deg. F
temperature 26	(76.210)	= 76.210 deg. F
temperature 27	(73.770)	= 73.770 deg. F
dewpoint 1	(66.980)	= 66.980 deg. F , 0.3272 psia
dewpoint 2	(66.660)	= 66.660 deg. F , 0.3236 psia
dewpoint 3	(66.600)	= 66.600 deg. F , 0.3229 psia
dewpoint 4	(66.630)	= 66.630 deg. F , 0.3232 psia
dewpoint 5	(66.610)	= 66.610 deg. F , 0.3230 psia
dewpoint 6	(66.540)	= 66.540 deg. F , 0.3222 psia
pressure 1	(64.0108)	= 64.0108 psia
pressure 2	(64.0145)	= 64.0145 psia

weighted averages, volume and air mass

temperature	=	75.81374 deg. F
pressure	=	64.01265 psia
vapor pressure	=	0.32314 psia
volume	=	2600000 cu. ft.
dry air mass	=	834685.80 lbm

PVNGS 2 -- 1991 ILRT -- STABILIZATION

data set 28

time = 1330 date = 1218

sensor	raw data	value
temperature 1	(75.670) =	75.670 deg. F
temperature 2	(75.750) =	75.750 deg. F
temperature 3	(75.950) =	75.950 deg. F
temperature 4	(75.930) =	75.930 deg. F
temperature 5	(75.790) =	75.790 deg. F
temperature 6	(75.860) =	75.860 deg. F
temperature 7	(75.810) =	75.810 deg. F
temperature 8	(76.040) =	76.040 deg. F
temperature 9	(76.060) =	76.060 deg. F
temperature 10	(76.080) =	76.080 deg. F
temperature 11	(76.090) =	76.090 deg. F
temperature 12	(76.100) =	76.100 deg. F
temperature 13	(76.310) =	76.310 deg. F
temperature 14	(76.800) =	76.800 deg. F
temperature 15	(77.170) =	77.170 deg. F
temperature 16	(76.040) =	76.040 deg. F
temperature 17	(76.230) =	76.230 deg. F
temperature 18	(75.570) =	75.570 deg. F
temperature 19	(75.350) =	75.350 deg. F
temperature 20	(75.050) =	75.050 deg. F
temperature 21	(73.810) =	73.810 deg. F
temperature 22	(74.320) =	74.320 deg. F
temperature 23	(72.850) =	72.850 deg. F
temperature 24	(76.440) =	76.440 deg. F
temperature 25	(75.810) =	75.810 deg. F
temperature 26	(76.180) =	76.180 deg. F
temperature 27	(73.760) =	73.760 deg. F
dewpoint 1	(67.070) =	67.070 deg. F , 0.3282 psia
dewpoint 2	(66.640) =	66.640 deg. F , 0.3234 psia
dewpoint 3	(66.560) =	66.560 deg. F , 0.3225 psia
dewpoint 4	(66.600) =	66.600 deg. F , 0.3229 psia
dewpoint 5	(66.560) =	66.560 deg. F , 0.3225 psia
dewpoint 6	(66.520) =	66.520 deg. F , 0.3220 psia
pressure 1	(64.0056) =	64.0056 psia
pressure 2	(64.0091) =	64.0091 psia

weighted averages, volume and air mass

temperature	=	75.77138 deg. F
pressure	=	64.00735 psia
vapor pressure	=	0.32280 psia
volume	=	2600000 cu. ft.
dry air mass	=	834686.87 lbm



PVNGS 2 -- 1991 ILRT -- STABILIZATION

data set 29

time = 1345 date = 1218

sensor	raw data	value
temperature 1	(75.610)	= 75.610 deg. F
temperature 2	(75.700)	= 75.700 deg. F
temperature 3	(75.850)	= 75.850 deg. F
temperature 4	(75.870)	= 75.870 deg. F
temperature 5	(75.750)	= 75.750 deg. F
temperature 6	(75.810)	= 75.810 deg. F
temperature 7	(75.760)	= 75.760 deg. F
temperature 8	(76.000)	= 76.000 deg. F
temperature 9	(76.020)	= 76.020 deg. F
temperature 10	(76.030)	= 76.030 deg. F
temperature 11	(76.040)	= 76.040 deg. F
temperature 12	(76.060)	= 76.060 deg. F
temperature 13	(76.260)	= 76.260 deg. F
temperature 14	(76.690)	= 76.690 deg. F
temperature 15	(77.120)	= 77.120 deg. F
temperature 16	(76.050)	= 76.050 deg. F
temperature 17	(76.210)	= 76.210 deg. F
temperature 18	(75.520)	= 75.520 deg. F
temperature 19	(75.350)	= 75.350 deg. F
temperature 20	(75.030)	= 75.030 deg. F
temperature 21	(73.820)	= 73.820 deg. F
temperature 22	(74.310)	= 74.310 deg. F
temperature 23	(72.850)	= 72.850 deg. F
temperature 24	(76.450)	= 76.450 deg. F
temperature 25	(75.790)	= 75.790 deg. F
temperature 26	(76.140)	= 76.140 deg. F
temperature 27	(73.770)	= 73.770 deg. F
dewpoint 1	(66.760)	= 66.760 deg. F , 0.3247 psia
dewpoint 2	(66.790)	= 66.790 deg. F , 0.3250 psia
dewpoint 3	(66.520)	= 66.520 deg. F , 0.3220 psia
dewpoint 4	(66.570)	= 66.570 deg. F , 0.3226 psia
dewpoint 5	(66.530)	= 66.530 deg. F , 0.3221 psia
dewpoint 6	(66.500)	= 66.500 deg. F , 0.3218 psia
pressure 1	(64.0000)	= 64.0000 psia
pressure 2	(64.0037)	= 64.0037 psia

weighted averages, volume and air mass

temperature	=	75.73097 deg. F
pressure	=	64.00185 psia
vapor pressure	=	0.32317 psia
volume	=	2600000 cu. ft.
dry air mass	=	834672.84 lbm



PVNGS 2 -- 1991 ILRT -- STABILIZATION

data set 30

time = 1400 date = 1218

sensor	raw data	value
temperature 1	(75.560)	= 75.560 deg. F
temperature 2	(75.640)	= 75.640 deg. F
temperature 3	(75.780)	= 75.780 deg. F
temperature 4	(75.830)	= 75.830 deg. F
temperature 5	(75.710)	= 75.710 deg. F
temperature 6	(75.760)	= 75.760 deg. F
temperature 7	(75.710)	= 75.710 deg. F
temperature 8	(75.940)	= 75.940 deg. F
temperature 9	(75.990)	= 75.990 deg. F
temperature 10	(75.980)	= 75.980 deg. F
temperature 11	(76.020)	= 76.020 deg. F
temperature 12	(76.030)	= 76.030 deg. F
temperature 13	(76.230)	= 76.230 deg. F
temperature 14	(76.650)	= 76.650 deg. F
temperature 15	(77.080)	= 77.080 deg. F
temperature 16	(76.030)	= 76.030 deg. F
temperature 17	(76.170)	= 76.170 deg. F
temperature 18	(75.490)	= 75.490 deg. F
temperature 19	(75.310)	= 75.310 deg. F
temperature 20	(75.020)	= 75.020 deg. F
temperature 21	(73.820)	= 73.820 deg. F
temperature 22	(74.320)	= 74.320 deg. F
temperature 23	(72.860)	= 72.860 deg. F
temperature 24	(76.390)	= 76.390 deg. F
temperature 25	(75.770)	= 75.770 deg. F
temperature 26	(76.100)	= 76.100 deg. F
temperature 27	(73.770)	= 73.770 deg. F
dewpoint 1	(66.760)	= 66.760 deg. F , 0.3247 psia
dewpoint 2	(66.740)	= 66.740 deg. F , 0.3245 psia
dewpoint 3	(66.480)	= 66.480 deg. F , 0.3216 psia
dewpoint 4	(66.540)	= 66.540 deg. F , 0.3222 psia
dewpoint 5	(66.460)	= 66.460 deg. F , 0.3213 psia
dewpoint 6	(66.490)	= 66.490 deg. F , 0.3217 psia
pressure 1	(63.9953)	= 63.9953 psia
pressure 2	(63.9989)	= 63.9989 psia

weighted averages, volume and air mass

temperature	=	75.69518 deg. F
pressure	=	63.99710 psia
vapor pressure	=	0.32269 psia
volume	=	2600000 cu. ft.
dry air mass	=	834672.67 lbm

PVNGS 2 -- 1991 ILRT -- STABILIZATION

data set 31

time = 1415 date = 1218

sensor	raw data	value
temperature 1 (75.510)	=	75.510 deg. F
temperature 2 (75.600)	=	75.600 deg. F
temperature 3 (75.740)	=	75.740 deg. F
temperature 4 (75.780)	=	75.780 deg. F
temperature 5 (75.660)	=	75.660 deg. F
temperature 6 (75.710)	=	75.710 deg. F
temperature 7 (75.670)	=	75.670 deg. F
temperature 8 (75.890)	=	75.890 deg. F
temperature 9 (75.940)	=	75.940 deg. F
temperature 10 (75.930)	=	75.930 deg. F
temperature 11 (75.970)	=	75.970 deg. F
temperature 12 (75.970)	=	75.970 deg. F
temperature 13 (76.170)	=	76.170 deg. F
temperature 14 (76.640)	=	76.640 deg. F
temperature 15 (77.040)	=	77.040 deg. F
temperature 16 (75.970)	=	75.970 deg. F
temperature 17 (76.130)	=	76.130 deg. F
temperature 18 (75.490)	=	75.490 deg. F
temperature 19 (75.310)	=	75.310 deg. F
temperature 20 (75.010)	=	75.010 deg. F
temperature 21 (73.820)	=	73.820 deg. F
temperature 22 (74.320)	=	74.320 deg. F
temperature 23 (72.860)	=	72.860 deg. F
temperature 24 (76.350)	=	76.350 deg. F
temperature 25 (75.760)	=	75.760 deg. F
temperature 26 (76.060)	=	76.060 deg. F
temperature 27 (73.760)	=	73.760 deg. F
dewpoint 1 (66.760)	=	66.760 deg. F , 0.3247 psia
dewpoint 2 (66.510)	=	66.510 deg. F , 0.3219 psia
dewpoint 3 (66.470)	=	66.470 deg. F , 0.3215 psia
dewpoint 4 (66.510)	=	66.510 deg. F , 0.3219 psia
dewpoint 5 (66.460)	=	66.460 deg. F , 0.3213 psia
dewpoint 6 (66.480)	=	66.480 deg. F , 0.3216 psia
pressure 1 (63.9906)	=	63.9906 psia
pressure 2 (63.9943)	=	63.9943 psia

weighted averages, volume and air mass

temperature	=	75.65775 deg. F
pressure	=	63.99245 psia
vapor pressure	=	0.32169 psia
volume	=	2600000 cu. ft.
dry air mass	=	834683.24 lbm

PVNGS 2 -- 1991 ILRT -- STABILIZATION

data set 32

time = 1430 date = 1218

sensor		raw data		value	
temperature	1	(75.470)	=	75.470	deg. F
temperature	2	(75.560)	=	75.560	deg. F
temperature	3	(75.720)	=	75.720	deg. F
temperature	4	(75.750)	=	75.750	deg. F
temperature	5	(75.610)	=	75.610	deg. F
temperature	6	(75.680)	=	75.680	deg. F
temperature	7	(75.630)	=	75.630	deg. F
temperature	8	(75.860)	=	75.860	deg. F
temperature	9	(75.910)	=	75.910	deg. F
temperature	10	(75.890)	=	75.890	deg. F
temperature	11	(75.940)	=	75.940	deg. F
temperature	12	(75.930)	=	75.930	deg. F
temperature	13	(76.140)	=	76.140	deg. F
temperature	14	(76.570)	=	76.570	deg. F
temperature	15	(77.030)	=	77.030	deg. F
temperature	16	(75.940)	=	75.940	deg. F
temperature	17	(76.100)	=	76.100	deg. F
temperature	18	(75.480)	=	75.480	deg. F
temperature	19	(75.300)	=	75.300	deg. F
temperature	20	(75.000)	=	75.000	deg. F
temperature	21	(73.820)	=	73.820	deg. F
temperature	22	(74.310)	=	74.310	deg. F
temperature	23	(72.860)	=	72.860	deg. F
temperature	24	(76.290)	=	76.290	deg. F
temperature	25	(75.760)	=	75.760	deg. F
temperature	26	(76.040)	=	76.040	deg. F
temperature	27	(73.750)	=	73.750	deg. F
dewpoint	1	(66.940)	=	66.940	deg. F , 0.3267 psia
dewpoint	2	(66.500)	=	66.500	deg. F , 0.3218 psia
dewpoint	3	(66.450)	=	66.450	deg. F , 0.3212 psia
dewpoint	4	(66.480)	=	66.480	deg. F , 0.3216 psia
dewpoint	5	(66.440)	=	66.440	deg. F , 0.3211 psia
dewpoint	6	(66.450)	=	66.450	deg. F , 0.3212 psia
pressure	1	(63.9851)	=	63.9851	psia
pressure	2	(63.9896)	=	63.9896	psia

weighted averages, volume and air mass

temperature	=	75.62827	deg. F
pressure	=	63.98735	psia
vapor pressure	=	0.32147	psia
volume	=	2600000	cu. ft.
dry air mass	=	834665.19	lbm

PVNGS 2 -- 1991 ILRT -- STABILIZATION

data set 33

time = 1445 date = 1218

sensor	raw data	value
temperature 1 (75.440)	=	75.440 deg. F
temperature 2 (75.520)	=	75.520 deg. F
temperature 3 (75.660)	=	75.660 deg. F
temperature 4 (75.710)	=	75.710 deg. F
temperature 5 (75.560)	=	75.560 deg. F
temperature 6 (75.630)	=	75.630 deg. F
temperature 7 (75.580)	=	75.580 deg. F
temperature 8 (75.800)	=	75.800 deg. F
temperature 9 (75.870)	=	75.870 deg. F
temperature 10 (75.860)	=	75.860 deg. F
temperature 11 (75.880)	=	75.880 deg. F
temperature 12 (75.900)	=	75.900 deg. F
temperature 13 (76.090)	=	76.090 deg. F
temperature 14 (76.580)	=	76.580 deg. F
temperature 15 (76.990)	=	76.990 deg. F
temperature 16 (75.940)	=	75.940 deg. F
temperature 17 (76.070)	=	76.070 deg. F
temperature 18 (75.450)	=	75.450 deg. F
temperature 19 (75.270)	=	75.270 deg. F
temperature 20 (75.000)	=	75.000 deg. F
temperature 21 (73.820)	=	73.820 deg. F
temperature 22 (74.320)	=	74.320 deg. F
temperature 23 (72.860)	=	72.860 deg. F
temperature 24 (76.290)	=	76.290 deg. F
temperature 25 (75.730)	=	75.730 deg. F
temperature 26 (76.000)	=	76.000 deg. F
temperature 27 (73.760)	=	73.760 deg. F
dewpoint 1 (67.590)	=	67.590 deg. F , 0.3341 psia
dewpoint 2 (66.480)	=	66.480 deg. F , 0.3216 psia
dewpoint 3 (66.400)	=	66.400 deg. F , 0.3207 psia
dewpoint 4 (66.450)	=	66.450 deg. F , 0.3212 psia
dewpoint 5 (66.400)	=	66.400 deg. F , 0.3207 psia
dewpoint 6 (66.430)	=	66.430 deg. F , 0.3210 psia
pressure 1 (63.9808)	=	63.9808 psia
pressure 2 (63.9851)	=	63.9851 psia

weighted averages, volume and air mass

temperature	=	75.59660 deg. F
pressure	=	63.98295 psia
vapor pressure	=	0.32113 psia
volume	=	2600000 cu. ft.
dry air mass	=	834661.33 lbm

PVNGS 2 -- 1991 ILRT -- STABILIZATION

data set 34

time = 1500 date = 1218

sensor	raw data	value
temperature 1	(75.400) =	75.400 deg. F
temperature 2	(75.480) =	75.480 deg. F
temperature 3	(75.610) =	75.610 deg. F
temperature 4	(75.680) =	75.680 deg. F
temperature 5	(75.530) =	75.530 deg. F
temperature 6	(75.600) =	75.600 deg. F
temperature 7	(75.550) =	75.550 deg. F
temperature 8	(75.770) =	75.770 deg. F
temperature 9	(75.830) =	75.830 deg. F
temperature 10	(75.810) =	75.810 deg. F
temperature 11	(75.840) =	75.840 deg. F
temperature 12	(75.850) =	75.850 deg. F
temperature 13	(76.060) =	76.060 deg. F
temperature 14	(76.560) =	76.560 deg. F
temperature 15	(76.940) =	76.940 deg. F
temperature 16	(75.910) =	75.910 deg. F
temperature 17	(76.040) =	76.040 deg. F
temperature 18	(75.440) =	75.440 deg. F
temperature 19	(75.270) =	75.270 deg. F
temperature 20	(74.990) =	74.990 deg. F
temperature 21	(73.810) =	73.810 deg. F
temperature 22	(74.320) =	74.320 deg. F
temperature 23	(72.870) =	72.870 deg. F
temperature 24	(76.220) =	76.220 deg. F
temperature 25	(75.730) =	75.730 deg. F
temperature 26	(75.970) =	75.970 deg. F
temperature 27	(73.790) =	73.790 deg. F
dewpoint 1	(66.180) =	66.180 deg. F , 0.3182 psia
dewpoint 2	(66.470) =	66.470 deg. F , 0.3215 psia
dewpoint 3	(66.400) =	66.400 deg. F , 0.3207 psia
dewpoint 4	(66.450) =	66.450 deg. F , 0.3212 psia
dewpoint 5	(66.370) =	66.370 deg. F , 0.3203 psia
dewpoint 6	(66.400) =	66.400 deg. F , 0.3207 psia
pressure 1	(63.9771) =	63.9771 psia
pressure 2	(63.9805) =	63.9805 psia

weighted averages, volume and air mass

temperature	=	75.56612 deg. F
pressure	=	63.97880 psia
vapor pressure	=	0.32100 psia
volume	=	2600000 cu. ft.
dry air mass	=	834656.13 lbm

PVNGS 2 -- 1991 ILRT -- STABILIZATION

data set 35

time = 1515 date = 1218

sensor	raw data	value
temperature 1	(75.330)	= 75.330 deg. F
temperature 2	(75.450)	= 75.450 deg. F
temperature 3	(75.560)	= 75.560 deg. F
temperature 4	(75.650)	= 75.650 deg. F
temperature 5	(75.500)	= 75.500 deg. F
temperature 6	(75.570)	= 75.570 deg. F
temperature 7	(75.510)	= 75.510 deg. F
temperature 8	(75.730)	= 75.730 deg. F
temperature 9	(75.790)	= 75.790 deg. F
temperature 10	(75.770)	= 75.770 deg. F
temperature 11	(75.810)	= 75.810 deg. F
temperature 12	(75.820)	= 75.820 deg. F
temperature 13	(76.010)	= 76.010 deg. F
temperature 14	(76.390)	= 76.390 deg. F
temperature 15	(76.920)	= 76.920 deg. F
temperature 16	(75.880)	= 75.880 deg. F
temperature 17	(76.010)	= 76.010 deg. F
temperature 18	(75.430)	= 75.430 deg. F
temperature 19	(75.250)	= 75.250 deg. F
temperature 20	(74.980)	= 74.980 deg. F
temperature 21	(73.810)	= 73.810 deg. F
temperature 22	(74.330)	= 74.330 deg. F
temperature 23	(72.870)	= 72.870 deg. F
temperature 24	(76.200)	= 76.200 deg. F
temperature 25	(75.720)	= 75.720 deg. F
temperature 26	(75.940)	= 75.940 deg. F
temperature 27	(73.780)	= 73.780 deg. F
dewpoint 1	(66.920)	= 66.920 deg. F , 0.3265 psia
dewpoint 2	(66.430)	= 66.430 deg. F , 0.3210 psia
dewpoint 3	(66.360)	= 66.360 deg. F , 0.3202 psia
dewpoint 4	(66.400)	= 66.400 deg. F , 0.3207 psia
dewpoint 5	(66.330)	= 66.330 deg. F , 0.3199 psia
dewpoint 6	(66.400)	= 66.400 deg. F , 0.3207 psia
pressure 1	(63.9730)	= 63.9730 psia
pressure 2	(63.9765)	= 63.9765 psia

weighted averages, volume and air mass

temperature	=	75.53077 deg. F
pressure	=	63.97475 psia
vapor pressure	=	0.32059 psia
volume	=	2600000 cu. ft.
dry air mass	=	834663.59 lbm

PVNGS 2 -- 1991 ILRT -- STABILIZATION

data set 36

time = 1530 date = 1218

sensor	raw data	value
temperature 1 (75.350)	=	75.350 deg. F
temperature 2 (75.410)	=	75.410 deg. F
temperature 3 (75.560)	=	75.560 deg. F
temperature 4 (75.610)	=	75.610 deg. F
temperature 5 (75.470)	=	75.470 deg. F
temperature 6 (75.520)	=	75.520 deg. F
temperature 7 (75.480)	=	75.480 deg. F
temperature 8 (75.710)	=	75.710 deg. F
temperature 9 (75.760)	=	75.760 deg. F
temperature 10 (75.750)	=	75.750 deg. F
temperature 11 (75.790)	=	75.790 deg. F
temperature 12 (75.790)	=	75.790 deg. F
temperature 13 (75.970)	=	75.970 deg. F
temperature 14 (76.400)	=	76.400 deg. F
temperature 15 (76.900)	=	76.900 deg. F
temperature 16 (75.830)	=	75.830 deg. F
temperature 17 (75.970)	=	75.970 deg. F
temperature 18 (75.430)	=	75.430 deg. F
temperature 19 (75.240)	=	75.240 deg. F
temperature 20 (74.980)	=	74.980 deg. F
temperature 21 (73.810)	=	73.810 deg. F
temperature 22 (74.310)	=	74.310 deg. F
temperature 23 (72.870)	=	72.870 deg. F
temperature 24 (76.170)	=	76.170 deg. F
temperature 25 (75.720)	=	75.720 deg. F
temperature 26 (75.920)	=	75.920 deg. F
temperature 27 (73.770)	=	73.770 deg. F
dewpoint 1 (66.560)	=	66.560 deg. F , 0.3225 psia
dewpoint 2 (66.380)	=	66.380 deg. F , 0.3205 psia
dewpoint 3 (66.340)	=	66.340 deg. F , 0.3200 psia
dewpoint 4 (66.380)	=	66.380 deg. F , 0.3205 psia
dewpoint 5 (66.360)	=	66.360 deg. F , 0.3202 psia
dewpoint 6 (66.370)	=	66.370 deg. F , 0.3203 psia
pressure 1 (63.9690)	=	63.9690 psia
pressure 2 (63.9730)	=	63.9730 psia

weighted averages, volume and air mass

temperature	=	75.50893 deg. F
pressure	=	63.97100 psia
vapor pressure	=	0.32032 psia
volume	=	2600000 cu. ft.
dry air mass	=	834652.04 lbm

PVNGS 2 -- 1991 ILRT -- STABILIZATION

data set 37

time = 1545 date = 1218

sensor	raw data	value
temperature 1 (75.320)	=	75.320 deg. F
temperature 2 (75.370)	=	75.370 deg. F
temperature 3 (75.520)	=	75.520 deg. F
temperature 4 (75.580)	=	75.580 deg. F
temperature 5 (75.440)	=	75.440 deg. F
temperature 6 (75.470)	=	75.470 deg. F
temperature 7 (75.440)	=	75.440 deg. F
temperature 8 (75.660)	=	75.660 deg. F
temperature 9 (75.730)	=	75.730 deg. F
temperature 10 (75.720)	=	75.720 deg. F
temperature 11 (75.720)	=	75.720 deg. F
temperature 12 (75.760)	=	75.760 deg. F
temperature 13 (75.950)	=	75.950 deg. F
temperature 14 (76.280)	=	76.280 deg. F
temperature 15 (76.850)	=	76.850 deg. F
temperature 16 (75.810)	=	75.810 deg. F
temperature 17 (75.940)	=	75.940 deg. F
temperature 18 (75.420)	=	75.420 deg. F
temperature 19 (75.230)	=	75.230 deg. F
temperature 20 (74.970)	=	74.970 deg. F
temperature 21 (73.820)	=	73.820 deg. F
temperature 22 (74.330)	=	74.330 deg. F
temperature 23 (72.890)	=	72.890 deg. F
temperature 24 (76.150)	=	76.150 deg. F
temperature 25 (75.710)	=	75.710 deg. F
temperature 26 (75.890)	=	75.890 deg. F
temperature 27 (73.790)	=	73.790 deg. F
dewpoint 1 (66.430)	=	66.430 deg. F , 0.3210 psia
dewpoint 2 (66.380)	=	66.380 deg. F , 0.3205 psia
dewpoint 3 (66.330)	=	66.330 deg. F , 0.3199 psia
dewpoint 4 (66.370)	=	66.370 deg. F , 0.3203 psia
dewpoint 5 (66.320)	=	66.320 deg. F , 0.3198 psia
dewpoint 6 (66.350)	=	66.350 deg. F , 0.3201 psia
pressure 1 (63.9651)	=	63.9651 psia
pressure 2 (63.9690)	=	63.9690 psia

weighted averages, volume and air mass

temperature	=	75.47701 deg. F
pressure	=	63.96705 psia
vapor pressure	=	0.32019 psia
volume	=	2600000 cu. ft.
dry air mass	=	834651.75 lbm



PVNGS 2 -- 1991 ILRT -- STABILIZATION

data set 38

time = 1600 date = 1218

sensor		raw data		value
temperature	1	(75.290)	=	75.290 deg. F
temperature	2	(75.330)	=	75.330 deg. F
temperature	3	(75.480)	=	75.480 deg. F
temperature	4	(75.560)	=	75.560 deg. F
temperature	5	(75.400)	=	75.400 deg. F
temperature	6	(75.440)	=	75.440 deg. F
temperature	7	(75.410)	=	75.410 deg. F
temperature	8	(75.620)	=	75.620 deg. F
temperature	9	(75.690)	=	75.690 deg. F
temperature	10	(75.690)	=	75.690 deg. F
temperature	11	(75.680)	=	75.680 deg. F
temperature	12	(75.710)	=	75.710 deg. F
temperature	13	(75.920)	=	75.920 deg. F
temperature	14	(76.390)	=	76.390 deg. F
temperature	15	(76.820)	=	76.820 deg. F
temperature	16	(75.720)	=	75.720 deg. F
temperature	17	(75.920)	=	75.920 deg. F
temperature	18	(75.370)	=	75.370 deg. F
temperature	19	(75.220)	=	75.220 deg. F
temperature	20	(74.960)	=	74.960 deg. F
temperature	21	(73.810)	=	73.810 deg. F
temperature	22	(74.320)	=	74.320 deg. F
temperature	23	(72.880)	=	72.880 deg. F
temperature	24	(76.140)	=	76.140 deg. F
temperature	25	(75.700)	=	75.700 deg. F
temperature	26	(75.870)	=	75.870 deg. F
temperature	27	(73.760)	=	73.760 deg. F
dewpoint	1	(66.600)	=	66.600 deg. F , 0.3229 psia
dewpoint	2	(66.400)	=	66.400 deg. F , 0.3207 psia
dewpoint	3	(66.340)	=	66.340 deg. F , 0.3200 psia
dewpoint	4	(66.330)	=	66.330 deg. F , 0.3199 psia
dewpoint	5	(66.180)	=	66.180 deg. F , 0.3182 psia
dewpoint	6	(66.340)	=	66.340 deg. F , 0.3200 psia
pressure	1	(63.9617)	=	63.9617 psia
pressure	2	(63.9654)	=	63.9654 psia

weighted averages, volume and air mass

temperature	=	75.45062 deg. F
pressure	=	63.96355 psia
vapor pressure	=	0.31996 psia
volume	=	2600000 cu. ft.
dry air mass	=	834649.94 lbm

PVNGS 2 -- 1991 ILRT -- STABILIZATION

data set 39

time = 1615 date = 1218

sensor	raw data	value
temperature 1	(75.250)	= 75.250 deg. F
temperature 2	(75.320)	= 75.320 deg. F
temperature 3	(75.440)	= 75.440 deg. F
temperature 4	(75.530)	= 75.530 deg. F
temperature 5	(75.370)	= 75.370 deg. F
temperature 6	(75.420)	= 75.420 deg. F
temperature 7	(75.370)	= 75.370 deg. F
temperature 8	(75.600)	= 75.600 deg. F
temperature 9	(75.670)	= 75.670 deg. F
temperature 10	(75.650)	= 75.650 deg. F
temperature 11	(75.680)	= 75.680 deg. F
temperature 12	(75.690)	= 75.690 deg. F
temperature 13	(75.910)	= 75.910 deg. F
temperature 14	(76.340)	= 76.340 deg. F
temperature 15	(76.810)	= 76.810 deg. F
temperature 16	(75.730)	= 75.730 deg. F
temperature 17	(75.890)	= 75.890 deg. F
temperature 18	(75.390)	= 75.390 deg. F
temperature 19	(75.220)	= 75.220 deg. F
temperature 20	(74.950)	= 74.950 deg. F
temperature 21	(73.820)	= 73.820 deg. F
temperature 22	(74.320)	= 74.320 deg. F
temperature 23	(72.890)	= 72.890 deg. F
temperature 24	(76.090)	= 76.090 deg. F
temperature 25	(75.680)	= 75.680 deg. F
temperature 26	(75.830)	= 75.830 deg. F
temperature 27	(73.760)	= 73.760 deg. F
dewpoint 1	(66.900)	= 66.900 deg. F , 0.3263 psia
dewpoint 2	(66.320)	= 66.320 deg. F , 0.3198 psia
dewpoint 3	(66.260)	= 66.260 deg. F , 0.3191 psia
dewpoint 4	(66.310)	= 66.310 deg. F , 0.3197 psia
dewpoint 5	(66.240)	= 66.240 deg. F , 0.3189 psia
dewpoint 6	(66.310)	= 66.310 deg. F , 0.3197 psia
pressure 1	(63.9582)	= 63.9582 psia
pressure 2	(63.9623)	= 63.9623 psia

weighted averages, volume and air mass

temperature	=	75.43265 deg. F
pressure	=	63.96025 psia
vapor pressure	=	0.31949 psia
volume	=	2600000 cu. ft.
dry air mass	=	834640.89 lbm

PVNGS 2 -- 1991 ILRT -- STABILIZATION

data set 40

time = 1630 date = 1218

sensor		raw data		value	
temperature	1	(75.230)	=	75.230	deg. F
temperature	2	(75.290)	=	75.290	deg. F
temperature	3	(75.400)	=	75.400	deg. F
temperature	4	(75.500)	=	75.500	deg. F
temperature	5	(75.350)	=	75.350	deg. F
temperature	6	(75.390)	=	75.390	deg. F
temperature	7	(75.350)	=	75.350	deg. F
temperature	8	(75.570)	=	75.570	deg. F
temperature	9	(75.630)	=	75.630	deg. F
temperature	10	(75.630)	=	75.630	deg. F
temperature	11	(75.650)	=	75.650	deg. F
temperature	12	(75.680)	=	75.680	deg. F
temperature	13	(75.860)	=	75.860	deg. F
temperature	14	(76.320)	=	76.320	deg. F
temperature	15	(76.790)	=	76.790	deg. F
temperature	16	(75.710)	=	75.710	deg. F
temperature	17	(75.890)	=	75.890	deg. F
temperature	18	(75.390)	=	75.390	deg. F
temperature	19	(75.200)	=	75.200	deg. F
temperature	20	(74.950)	=	74.950	deg. F
temperature	21	(73.810)	=	73.810	deg. F
temperature	22	(74.310)	=	74.310	deg. F
temperature	23	(72.890)	=	72.890	deg. F
temperature	24	(76.080)	=	76.080	deg. F
temperature	25	(75.710)	=	75.710	deg. F
temperature	26	(75.810)	=	75.810	deg. F
temperature	27	(73.770)	=	73.770	deg. F
dewpoint	1	(65.940)	=	65.940	deg. F , 0.3156 psia
dewpoint	2	(66.310)	=	66.310	deg. F , 0.3197 psia
dewpoint	3	(66.240)	=	66.240	deg. F , 0.3189 psia
dewpoint	4	(66.280)	=	66.280	deg. F , 0.3193 psia
dewpoint	5	(66.100)	=	66.100	deg. F , 0.3174 psia
dewpoint	6	(66.300)	=	66.300	deg. F , 0.3196 psia
pressure	1	(63.9548)	=	63.9548	psia
pressure	2	(63.9585)	=	63.9585	psia

weighted averages, volume and air mass

temperature	=	75.41122	deg. F
pressure	=	63.95665	psia
vapor pressure	=	0.31911	psia
volume	=	2600000	cu. ft.
dry air mass	=	834632.13	lbm

PVNGS 2 -- 1991 ILRT -- STABILIZATION

data set 41

time = 1645 date = 1218

sensor	raw data	value
temperature 1	(75.160) =	75.160 deg. F
temperature 2	(75.260) =	75.260 deg. F
temperature 3	(75.350) =	75.350 deg. F
temperature 4	(75.480) =	75.480 deg. F
temperature 5	(75.320) =	75.320 deg. F
temperature 6	(75.350) =	75.350 deg. F
temperature 7	(75.320) =	75.320 deg. F
temperature 8	(75.550) =	75.550 deg. F
temperature 9	(75.600) =	75.600 deg. F
temperature 10	(75.600) =	75.600 deg. F
temperature 11	(75.620) =	75.620 deg. F
temperature 12	(75.640) =	75.640 deg. F
temperature 13	(75.850) =	75.850 deg. F
temperature 14	(76.230) =	76.230 deg. F
temperature 15	(76.740) =	76.740 deg. F
temperature 16	(75.650) =	75.650 deg. F
temperature 17	(75.860) =	75.860 deg. F
temperature 18	(75.350) =	75.350 deg. F
temperature 19	(75.190) =	75.190 deg. F
temperature 20	(74.940) =	74.940 deg. F
temperature 21	(73.810) =	73.810 deg. F
temperature 22	(74.340) =	74.340 deg. F
temperature 23	(72.900) =	72.900 deg. F
temperature 24	(76.090) =	76.090 deg. F
temperature 25	(75.710) =	75.710 deg. F
temperature 26	(75.770) =	75.770 deg. F
temperature 27	(73.760) =	73.760 deg. F
dewpoint 1	(66.820) =	66.820 deg. F , 0.3254 psia
dewpoint 2	(66.260) =	66.260 deg. F , 0.3191 psia
dewpoint 3	(66.260) =	66.260 deg. F , 0.3191 psia
dewpoint 4	(66.260) =	66.260 deg. F , 0.3191 psia
dewpoint 5	(66.180) =	66.180 deg. F , 0.3182 psia
dewpoint 6	(66.280) =	66.280 deg. F , 0.3193 psia
pressure 1	(63.9516) =	63.9516 psia
pressure 2	(63.9548) =	63.9548 psia

weighted averages, volume and air mass

temperature	=	75.38171 deg. F
pressure	=	63.95320 psia
vapor pressure	=	0.31902 psia
volume	=	2600000 cu. ft.
dry air mass	=	834634.09 lbm



TEST DATA



PRE-DATA REPORT

title = PVNGS 2 1991 ILRT -- TYPE A TEST
a = 0.1000

volume = 2600000 L

leap year : no

temperature volume fractions (sum = 1.0000)

t(1)=0.0320	t(2)=0.0400	t(3)=0.0440	t(4)=0.0450	t(5)=0.0460
t(6)=0.0480	t(7)=0.0490	t(8)=0.0490	t(9)=0.0490	t(10)=0.0500
t(11)=0.0500	t(12)=0.0500	t(13)=0.0500	t(14)=0.0430	t(15)=0.0430
t(16)=0.0450	t(17)=0.0370	t(18)=0.0340	t(19)=0.0340	t(20)=0.0330
t(21)=0.0330	t(22)=0.0320	t(23)=0.0390	t(24)=0.0250	t(25)=0.0000
t(26)=0.0000	t(27)=0.0000			

dewpoint volume fractions (sum = 1.0000)

dp(1)=0.0000 dp(2)=0.3530 dp(3)=0.1990 dp(4)=0.1810 dp(5)=0.1480
dp(6)=0.1190

pressure volume fractions (sum = 1.0000)

p(1)=0.5000 p(2)=0.5000

PVNGS 2 1991 ILRT -- TYPE A TEST

DATA SUMMARY REPORT

data set	time	date	temperature deg F	pressure psia	vapor pressure psia	dry air mass lbm
1	1645	1218	75.3817	63.9532	0.3190	834634.09
2	1700	1218	75.3550	63.9502	0.3187	834641.40
3	1715	1218	75.3396	63.9468	0.3185	834622.01
4	1730	1218	75.3148	63.9444	0.3181	834635.00
5	1745	1218	75.2973	63.9420	0.3181	834631.27
6	1800	1218	75.2792	63.9394	0.3184	834620.65
7	1815	1218	75.2610	63.9370	0.3175	834629.27
8	1830	1218	75.2432	63.9342	0.3173	834624.10
9	1845	1218	75.2157	63.9319	0.3171	834638.52
10	1900	1218	75.2081	63.9293	0.3167	834622.26
11	1915	1218	75.1826	63.9269	0.3166	834632.02
12	1930	1218	75.1678	63.9245	0.3162	834627.99
13	1945	1218	75.1433	63.9222	0.3160	834639.05
14	2000	1218	75.1338	63.9201	0.3168	834615.08
15	2015	1218	75.1129	63.9176	0.3156	834630.76
16	2030	1218	75.0987	63.9152	0.3154	834624.71
17	2045	1218	75.0879	63.9132	0.3152	834617.43
18	2100	1218	75.0675	63.9107	0.3148	834621.93
19	2115	1218	75.0632	63.9086	0.3147	834601.24
20	2130	1218	75.0428	63.9064	0.3145	834609.30
21	2145	1218	75.0227	63.9044	0.3141	834619.03
22	2200	1218	75.0076	63.9025	0.3138	834622.39
23	2215	1218	75.0035	63.9007	0.3140	834601.57
24	2230	1218	74.9994	63.8988	0.3138	834585.61
25	2245	1218	74.9777	63.8964	0.3134	834592.48
26	2300	1218	74.9647	63.8936	0.3132	834579.60
27	2315	1218	74.9576	63.8908	0.3131	834553.50
28	2330	1218	74.9494	63.8885	0.3129	834540.58
29	2345	1218	74.9281	63.8865	0.3126	834550.88
30	0	1219	74.9195	63.8849	0.3123	834546.75
31	15	1219	74.9105	63.8829	0.3122	834536.96
32	30	1219	74.9011	63.8816	0.3120	834537.00
33	45	1219	74.8860	63.8809	0.3119	834551.73
34	100	1219	74.8752	63.8787	0.3118	834541.63
35	115	1219	74.8641	63.8773	0.3115	834543.91
36	130	1219	74.8637	63.8768	0.3113	834540.04
37	145	1219	74.8611	63.8756	0.3112	834532.11
38	200	1219	74.8561	63.8741	0.3110	834521.54
39	215	1219	74.8415	63.8725	0.3107	834526.11
40	230	1219	74.8290	63.8715	0.3105	834536.10
41	245	1219	74.8215	63.8696	0.3104	834524.16
42	300	1219	74.8084	63.8679	0.3103	834523.58
43	315	1219	74.8081	63.8662	0.3101	834504.55
44	330	1219	74.7955	63.8644	0.3099	834503.96
45	345	1219	74.7868	63.8630	0.3098	834500.13
46	400	1219	74.7861	63.8619	0.3096	834488.59
47	415	1219	74.7733	63.8606	0.3094	834494.90
48	430	1219	74.7634	63.8592	0.3094	834491.91
49	445	1219	74.7581	63.8584	0.3090	834493.73
50	500	1219	74.7567	63.8581	0.3090	834492.90
51	515	1219	74.7466	63.8575	0.3087	834504.13

52	530	1219	74.7481	63.8567	0.3086	834491.99
53	545	1219	74.7409	63.8557	0.3084	834494.13
54	600	1219	74.7303	63.8545	0.3082	834498.43
55	615	1219	74.7247	63.8536	0.3079	834499.09
56	630	1219	74.7192	63.8519	0.3079	834483.62
57	645	1219	74.7093	63.8504	0.3077	834483.60
58	700	1219	74.7104	63.8497	0.3077	834471.83
59	715	1219	74.7123	63.8492	0.3074	834466.63
60	730	1219	74.7038	63.8491	0.3074	834477.64
61	745	1219	74.6911	63.8478	0.3071	834485.48
62	800	1219	74.6909	63.8474	0.3071	834480.80
63	815	1219	74.6895	63.8466	0.3070	834473.15
64	830	1219	74.6869	63.8456	0.3067	834468.38
65	845	1219	74.6762	63.8452	0.3067	834479.83
66	900	1219	74.6743	63.8439	0.3065	834468.25
67	915	1219	74.6689	63.8433	0.3062	834472.56
68	930	1219	74.6617	63.8424	0.3062	834472.52
69	945	1219	74.6584	63.8419	0.3060	834473.49
70	1000	1219	74.6519	63.8408	0.3058	834470.73
71	1015	1219	74.6587	63.8400	0.3057	834451.49
72	1030	1219	74.6513	63.8390	0.3055	834452.72
73	1045	1219	74.6446	63.8381	0.3055	834451.85
74	1100	1219	74.6362	63.8377	0.3052	834462.29
75	1115	1219	74.6380	63.8368	0.3052	834448.19
76	1130	1219	74.6380	63.8358	0.3049	834439.64
77	1145	1219	74.6262	63.8354	0.3048	834453.51
78	1200	1219	74.6291	63.8344	0.3049	834434.27
79	1215	1219	74.6229	63.8337	0.3046	834439.68
80	1230	1219	74.6141	63.8328	0.3044	834444.74
81	1245	1219	74.6126	63.8323	0.3043	834439.78
82	1300	1219	74.6125	63.8315	0.3042	834431.42
83	1315	1219	74.6078	63.8308	0.3040	834432.22
84	1330	1219	74.6124	63.8306	0.3036	834426.89
85	1345	1219	74.6087	63.8295	0.3039	834415.93
86	1400	1219	74.5894	63.8286	0.3036	834437.75
87	1415	1219	74.5889	63.8280	0.3035	834432.27
88	1430	1219	74.5934	63.8270	0.3035	834412.20
89	1445	1219	74.5833	63.8264	0.3033	834422.17
90	1500	1219	74.5816	63.8259	0.3032	834419.82
91	1515	1219	74.5819	63.8252	0.3029	834414.32
92	1530	1219	74.5837	63.8244	0.3028	834401.87
93	1545	1219	74.5797	63.8237	0.3026	834401.24
94	1600	1219	74.5699	63.8228	0.3025	834406.45
95	1615	1219	74.5641	63.8228	0.3026	834414.21
96	1630	1219	74.5677	63.8219	0.3023	834400.89
97	1645	1219	74.5675	63.8210	0.3026	834385.83

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 1

time = 1645 date = 1218

sensor	raw data	value
temperature 1	(75.160)	= 75.160 deg. F
temperature 2	(75.260)	= 75.260 deg. F
temperature 3	(75.350)	= 75.350 deg. F
temperature 4	(75.480)	= 75.480 deg. F
temperature 5	(75.320)	= 75.320 deg. F
temperature 6	(75.350)	= 75.350 deg. F
temperature 7	(75.320)	= 75.320 deg. F
temperature 8	(75.550)	= 75.550 deg. F
temperature 9	(75.600)	= 75.600 deg. F
temperature 10	(75.600)	= 75.600 deg. F
temperature 11	(75.620)	= 75.620 deg. F
temperature 12	(75.640)	= 75.640 deg. F
temperature 13	(75.850)	= 75.850 deg. F
temperature 14	(76.230)	= 76.230 deg. F
temperature 15	(76.740)	= 76.740 deg. F
temperature 16	(75.650)	= 75.650 deg. F
temperature 17	(75.860)	= 75.860 deg. F
temperature 18	(75.350)	= 75.350 deg. F
temperature 19	(75.190)	= 75.190 deg. F
temperature 20	(74.940)	= 74.940 deg. F
temperature 21	(73.810)	= 73.810 deg. F
temperature 22	(74.340)	= 74.340 deg. F
temperature 23	(72.900)	= 72.900 deg. F
temperature 24	(76.090)	= 76.090 deg. F
temperature 25	(75.710)	= 75.710 deg. F
temperature 26	(75.770)	= 75.770 deg. F
temperature 27	(73.760)	= 73.760 deg. F
dewpoint 1	(66.820)	= 66.820 deg. F , 0.3254 psia
dewpoint 2	(66.260)	= 66.260 deg. F , 0.3191 psia
dewpoint 3	(66.260)	= 66.260 deg. F , 0.3191 psia
dewpoint 4	(66.260)	= 66.260 deg. F , 0.3191 psia
dewpoint 5	(66.180)	= 66.180 deg. F , 0.3182 psia
dewpoint 6	(66.280)	= 66.280 deg. F , 0.3193 psia
pressure 1	(63.9516)	= 63.9516 psia
pressure 2	(63.9548)	= 63.9548 psia

weighted averages, volume and air mass

temperature	=	75.38171 deg. F
pressure	=	63.95320 psia
vapor pressure	=	0.31902 psia
volume	=	2600000 cu. ft.
dry air mass	=	834634.09 lbm



PVNGS 2 1991 ILRT -- TYPE A TEST

data set 2

time = 1700 ' date = 1218

sensor		raw data		value		
temperature	1	(	75.160)	=	75.160	deg. F
temperature	2	(	75.220)	=	75.220	deg. F
temperature	3	(	75.340)	=	75.340	deg. F
temperature	4	(	75.440)	=	75.440	deg. F
temperature	5	(	75.300)	=	75.300	deg. F
temperature	6	(	75.290)	=	75.290	deg. F
temperature	7	(	75.290)	=	75.290	deg. F
temperature	8	(	75.510)	=	75.510	deg. F
temperature	9	(	75.570)	=	75.570	deg. F
temperature	10	(	75.570)	=	75.570	deg. F
temperature	11	(	75.560)	=	75.560	deg. F
temperature	12	(	75.610)	=	75.610	deg. F
temperature	13	(	75.780)	=	75.780	deg. F
temperature	14	(	76.210)	=	76.210	deg. F
temperature	15	(	76.730)	=	76.730	deg. F
temperature	16	(	75.660)	=	75.660	deg. F
temperature	17	(	75.840)	=	75.840	deg. F
temperature	18	(	75.320)	=	75.320	deg. F
temperature	19	(	75.170)	=	75.170	deg. F
temperature	20	(	74.930)	=	74.930	deg. F
temperature	21	(	73.810)	=	73.810	deg. F
temperature	22	(	74.330)	=	74.330	deg. F
temperature	23	(	72.900)	=	72.900	deg. F
temperature	24	(	76.060)	=	76.060	deg. F
temperature	25	(	75.710)	=	75.710	deg. F
temperature	26	(	75.760)	=	75.760	deg. F
temperature	27	(	73.760)	=	73.760	deg. F
dewpoint	1	(	66.660)	=	66.660	deg. F , 0.3236 psia
dewpoint	2	(	66.260)	=	66.260	deg. F , 0.3191 psia
dewpoint	3	(	66.190)	=	66.190	deg. F , 0.3184 psia
dewpoint	4	(	66.230)	=	66.230	deg. F , 0.3188 psia
dewpoint	5	(	66.140)	=	66.140	deg. F , 0.3178 psia
dewpoint	6	(	66.240)	=	66.240	deg. F , 0.3189 psia
pressure	1	(	63.9484)	=	63.9484	psia
pressure	2	(	63.9521)	=	63.9521	psia

weighted averages, volume and air mass

temperature	=	75.35498	deg. F
pressure	=	63.95025	psia
vapor pressure	=	0.31869	psia
volume	=	2600000	cu. ft.
dry air mass	=	834641.40	lbm



PVNGS 2 1991 ILRT -- TYPE A TEST

data set 3

time = 1715 date = 1218

sensor	raw data	value
temperature 1	(75.130)	= 75.130 deg. F
temperature 2	(75.210)	= 75.210 deg. F
temperature 3	(75.300)	= 75.300 deg. F
temperature 4	(75.420)	= 75.420 deg. F
temperature 5	(75.270)	= 75.270 deg. F
temperature 6	(75.240)	= 75.240 deg. F
temperature 7	(75.260)	= 75.260 deg. F
temperature 8	(75.510)	= 75.510 deg. F
temperature 9	(75.540)	= 75.540 deg. F
temperature 10	(75.560)	= 75.560 deg. F
temperature 11	(75.540)	= 75.540 deg. F
temperature 12	(75.580)	= 75.580 deg. F
temperature 13	(75.770)	= 75.770 deg. F
temperature 14	(76.240)	= 76.240 deg. F
temperature 15	(76.700)	= 76.700 deg. F
temperature 16	(75.650)	= 75.650 deg. F
temperature 17	(75.820)	= 75.820 deg. F
temperature 18	(75.320)	= 75.320 deg. F
temperature 19	(75.180)	= 75.180 deg. F
temperature 20	(74.930)	= 74.930 deg. F
temperature 21	(73.800)	= 73.800 deg. F
temperature 22	(74.340)	= 74.340 deg. F
temperature 23	(72.900)	= 72.900 deg. F
temperature 24	(76.050)	= 76.050 deg. F
temperature 25	(75.720)	= 75.720 deg. F
temperature 26	(75.740)	= 75.740 deg. F
temperature 27	(73.770)	= 73.770 deg. F
dewpoint 1	(66.510)	= 66.510 deg. F , 0.3219 psia
dewpoint 2	(66.250)	= 66.250 deg. F , 0.3190 psia
dewpoint 3	(66.160)	= 66.160 deg. F , 0.3180 psia
dewpoint 4	(66.210)	= 66.210 deg. F , 0.3186 psia
dewpoint 5	(66.140)	= 66.140 deg. F , 0.3178 psia
dewpoint 6	(66.240)	= 66.240 deg. F , 0.3189 psia
pressure 1	(63.9447)	= 63.9447 psia
pressure 2	(63.9489)	= 63.9489 psia

weighted averages, volume and air mass

temperature	=	75.33964 deg. F
pressure	=	63.94680 psia
vapor pressure	=	0.31854 psia
volume	=	2600000 cu. ft.
dry air mass	=	834622.01 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 4

time = 1730 date = 1218

sensor		raw data		value
temperature	1	(75.110)	=	75.110 deg. F
temperature	2	(75.170)	=	75.170 deg. F
temperature	3	(75.290)	=	75.290 deg. F
temperature	4	(75.400)	=	75.400 deg. F
temperature	5	(75.260)	=	75.260 deg. F
temperature	6	(75.240)	=	75.240 deg. F
temperature	7	(75.240)	=	75.240 deg. F
temperature	8	(75.470)	=	75.470 deg. F
temperature	9	(75.530)	=	75.530 deg. F
temperature	10	(75.510)	=	75.510 deg. F
temperature	11	(75.540)	=	75.540 deg. F
temperature	12	(75.560)	=	75.560 deg. F
temperature	13	(75.730)	=	75.730 deg. F
temperature	14	(76.100)	=	76.100 deg. F
temperature	15	(76.670)	=	76.670 deg. F
temperature	16	(75.600)	=	75.600 deg. F
temperature	17	(75.810)	=	75.810 deg. F
temperature	18	(75.320)	=	75.320 deg. F
temperature	19	(75.160)	=	75.160 deg. F
temperature	20	(74.910)	=	74.910 deg. F
temperature	21	(73.800)	=	73.800 deg. F
temperature	22	(74.340)	=	74.340 deg. F
temperature	23	(72.910)	=	72.910 deg. F
temperature	24	(76.010)	=	76.010 deg. F
temperature	25	(75.690)	=	75.690 deg. F
temperature	26	(75.710)	=	75.710 deg. F
temperature	27	(73.760)	=	73.760 deg. F
dewpoint	1	(66.700)	=	66.700 deg. F , 0.3240 psia
dewpoint	2	(66.190)	=	66.190 deg. F , 0.3184 psia
dewpoint	3	(66.120)	=	66.120 deg. F , 0.3176 psia
dewpoint	4	(66.190)	=	66.190 deg. F , 0.3184 psia
dewpoint	5	(66.120)	=	66.120 deg. F , 0.3176 psia
dewpoint	6	(66.210)	=	66.210 deg. F , 0.3186 psia
pressure	1	(63.9422)	=	63.9422 psia
pressure	2	(63.9466)	=	63.9466 psia

weighted averages, volume and air mass

temperature	=	75.31478 deg. F
pressure	=	63.94440 psia
vapor pressure	=	0.31811 psia
volume	=	2600000 cu. ft.
dry air mass	=	834635.00 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 5

time = 1745 date = 1218

sensor		raw data		value
temperature	1	(75.090)	=	75.090 deg. F
temperature	2	(75.150)	=	75.150 deg. F
temperature	3	(75.250)	=	75.250 deg. F
temperature	4	(75.370)	=	75.370 deg. F
temperature	5	(75.230)	=	75.230 deg. F
temperature	6	(75.230)	=	75.230 deg. F
temperature	7	(75.230)	=	75.230 deg. F
temperature	8	(75.450)	=	75.450 deg. F
temperature	9	(75.500)	=	75.500 deg. F
temperature	10	(75.480)	=	75.480 deg. F
temperature	11	(75.490)	=	75.490 deg. F
temperature	12	(75.510)	=	75.510 deg. F
temperature	13	(75.720)	=	75.720 deg. F
temperature	14	(76.110)	=	76.110 deg. F
temperature	15	(76.660)	=	76.660 deg. F
temperature	16	(75.600)	=	75.600 deg. F
temperature	17	(75.790)	=	75.790 deg. F
temperature	18	(75.320)	=	75.320 deg. F
temperature	19	(75.160)	=	75.160 deg. F
temperature	20	(74.910)	=	74.910 deg. F
temperature	21	(73.790)	=	73.790 deg. F
temperature	22	(74.350)	=	74.350 deg. F
temperature	23	(72.920)	=	72.920 deg. F
temperature	24	(75.980)	=	75.980 deg. F
temperature	25	(75.690)	=	75.690 deg. F
temperature	26	(75.690)	=	75.690 deg. F
temperature	27	(73.760)	=	73.760 deg. F
dewpoint	1	(66.580)	=	66.580 deg. F , 0.3227 psia
dewpoint	2	(66.190)	=	66.190 deg. F , 0.3184 psia
dewpoint	3	(66.170)	=	66.170 deg. F , 0.3181 psia
dewpoint	4	(66.170)	=	66.170 deg. F , 0.3181 psia
dewpoint	5	(66.090)	=	66.090 deg. F , 0.3172 psia
dewpoint	6	(66.200)	=	66.200 deg. F , 0.3185 psia
pressure	1	(63.9399)	=	63.9399 psia
pressure	2	(63.9442)	=	63.9442 psia

weighted averages, volume and air mass

temperature	=	75.29732 deg. F
pressure	=	63.94205 psia
vapor pressure	=	0.31812 psia
volume	=	2600000 cu. ft.
dry air mass	=	834631.27 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 6

time = 1800 date = 1218

sensor		raw data		value	
temperature	1 (75.060)	=	75.060 deg. F		
temperature	2 (75.130)	=	75.130 deg. F		
temperature	3 (75.230)	=	75.230 deg. F		
temperature	4 (75.350)	=	75.350 deg. F		
temperature	5 (75.230)	=	75.230 deg. F		
temperature	6 (75.180)	=	75.180 deg. F		
temperature	7 (75.190)	=	75.190 deg. F		
temperature	8 (75.420)	=	75.420 deg. F		
temperature	9 (75.480)	=	75.480 deg. F		
temperature	10 (75.460)	=	75.460 deg. F		
temperature	11 (75.470)	=	75.470 deg. F		
temperature	12 (75.500)	=	75.500 deg. F		
temperature	13 (75.700)	=	75.700 deg. F		
temperature	14 (76.120)	=	76.120 deg. F		
temperature	15 (76.640)	=	76.640 deg. F		
temperature	16 (75.570)	=	75.570 deg. F		
temperature	17 (75.750)	=	75.750 deg. F		
temperature	18 (75.290)	=	75.290 deg. F		
temperature	19 (75.150)	=	75.150 deg. F		
temperature	20 (74.900)	=	74.900 deg. F		
temperature	21 (73.800)	=	73.800 deg. F		
temperature	22 (74.360)	=	74.360 deg. F		
temperature	23 (72.920)	=	72.920 deg. F		
temperature	24 (75.980)	=	75.980 deg. F		
temperature	25 (75.650)	=	75.650 deg. F		
temperature	26 (75.670)	=	75.670 deg. F		
temperature	27 (73.760)	=	73.760 deg. F		
dewpoint	1 (66.470)	=	66.470 deg. F	, 0.3215 psia	
dewpoint	2 (66.330)	=	66.330 deg. F	, 0.3199 psia	
dewpoint	3 (66.100)	=	66.100 deg. F	, 0.3174 psia	
dewpoint	4 (66.140)	=	66.140 deg. F	, 0.3178 psia	
dewpoint	5 (66.060)	=	66.060 deg. F	, 0.3169 psia	
dewpoint	6 (66.190)	=	66.190 deg. F	, 0.3184 psia	
pressure	1 (63.9372)	=	63.9372 psia		
pressure	2 (63.9415)	=	63.9415 psia		

weighted averages, volume and air mass

temperature	=	75.27917 deg. F
pressure	=	63.93935 psia
vapor pressure	=	0.31839 psia
volume	=	2600000 cu. ft.
dry air mass	=	834620.65 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 7

time = 1815 date = 1218

sensor	raw data	value
temperature 1	(75.040)	= 75.040 deg. F
temperature 2	(75.110)	= 75.110 deg. F
temperature 3	(75.210)	= 75.210 deg. F
temperature 4	(75.330)	= 75.330 deg. F
temperature 5	(75.170)	= 75.170 deg. F
temperature 6	(75.140)	= 75.140 deg. F
temperature 7	(75.180)	= 75.180 deg. F
temperature 8	(75.400)	= 75.400 deg. F
temperature 9	(75.460)	= 75.460 deg. F
temperature 10	(75.450)	= 75.450 deg. F
temperature 11	(75.450)	= 75.450 deg. F
temperature 12	(75.440)	= 75.440 deg. F
temperature 13	(75.670)	= 75.670 deg. F
temperature 14	(76.170)	= 76.170 deg. F
temperature 15	(76.610)	= 76.610 deg. F
temperature 16	(75.560)	= 75.560 deg. F
temperature 17	(75.730)	= 75.730 deg. F
temperature 18	(75.280)	= 75.280 deg. F
temperature 19	(75.140)	= 75.140 deg. F
temperature 20	(74.900)	= 74.900 deg. F
temperature 21	(73.800)	= 73.800 deg. F
temperature 22	(74.350)	= 74.350 deg. F
temperature 23	(72.920)	= 72.920 deg. F
temperature 24	(75.960)	= 75.960 deg. F
temperature 25	(75.660)	= 75.660 deg. F
temperature 26	(75.640)	= 75.640 deg. F
temperature 27	(73.780)	= 73.780 deg. F
dewpoint 1	(66.500)	= 66.500 deg. F , 0.3218 psia
dewpoint 2	(66.140)	= 66.140 deg. F , 0.3178 psia
dewpoint 3	(66.050)	= 66.050 deg. F , 0.3168 psia
dewpoint 4	(66.140)	= 66.140 deg. F , 0.3178 psia
dewpoint 5	(66.040)	= 66.040 deg. F , 0.3167 psia
dewpoint 6	(66.180)	= 66.180 deg. F , 0.3182 psia
pressure 1	(63.9350)	= 63.9350 psia
pressure 2	(63.9389)	= 63.9389 psia

weighted averages, volume and air mass

temperature	=	75.26100 deg. F
pressure	=	63.93695 psia
vapor pressure	=	0.31749 psia
volume	=	2600000 cu. ft.
dry air mass	=	834629.27 lbm



PVNGS 2 1991 ILRT -- TYPE A TEST

data set 8

time = 1830 date = 1218

sensor	raw data	value
temperature 1	(75.010)	= 75.010 deg. F
temperature 2	(75.090)	= 75.090 deg. F
temperature 3	(75.190)	= 75.190 deg. F
temperature 4	(75.300)	= 75.300 deg. F
temperature 5	(75.150)	= 75.150 deg. F
temperature 6	(75.110)	= 75.110 deg. F
temperature 7	(75.160)	= 75.160 deg. F
temperature 8	(75.370)	= 75.370 deg. F
temperature 9	(75.420)	= 75.420 deg. F
temperature 10	(75.410)	= 75.410 deg. F
temperature 11	(75.440)	= 75.440 deg. F
temperature 12	(75.450)	= 75.450 deg. F
temperature 13	(75.670)	= 75.670 deg. F
temperature 14	(76.140)	= 76.140 deg. F
temperature 15	(76.580)	= 76.580 deg. F
temperature 16	(75.560)	= 75.560 deg. F
temperature 17	(75.710)	= 75.710 deg. F
temperature 18	(75.250)	= 75.250 deg. F
temperature 19	(75.120)	= 75.120 deg. F
temperature 20	(74.890)	= 74.890 deg. F
temperature 21	(73.800)	= 73.800 deg. F
temperature 22	(74.360)	= 74.360 deg. F
temperature 23	(72.920)	= 72.920 deg. F
temperature 24	(75.960)	= 75.960 deg. F
temperature 25	(75.650)	= 75.650 deg. F
temperature 26	(75.630)	= 75.630 deg. F
temperature 27	(73.790)	= 73.790 deg. F
dewpoint 1	(66.360)	= 66.360 deg. F , 0.3202 psia
dewpoint 2	(66.110)	= 66.110 deg. F , 0.3175 psia
dewpoint 3	(66.050)	= 66.050 deg. F , 0.3168 psia
dewpoint 4	(66.100)	= 66.100 deg. F , 0.3174 psia
dewpoint 5	(66.030)	= 66.030 deg. F , 0.3166 psia
dewpoint 6	(66.160)	= 66.160 deg. F , 0.3180 psia
pressure 1	(63.9323)	= 63.9323 psia
pressure 2	(63.9361)	= 63.9361 psia

weighted averages, volume and air mass

temperature	=	75.24320 deg. F
pressure	=	63.93420 psia
vapor pressure	=	0.31725 psia
volume	=	2600000 cu. ft.
dry air mass	=	834624.10 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 9

time = 1845 date = 1218

sensor		raw data		value	
temperature	1 (74.980)	=	74.980 deg. F		
temperature	2 (75.060)	=	75.060 deg. F		
temperature	3 (75.140)	=	75.140 deg. F		
temperature	4 (75.300)	=	75.300 deg. F		
temperature	5 (75.130)	=	75.130 deg. F		
temperature	6 (75.110)	=	75.110 deg. F		
temperature	7 (75.130)	=	75.130 deg. F		
temperature	8 (75.350)	=	75.350 deg. F		
temperature	9 (75.380)	=	75.380 deg. F		
temperature	10 (75.380)	=	75.380 deg. F		
temperature	11 (75.380)	=	75.380 deg. F		
temperature	12 (75.400)	=	75.400 deg. F		
temperature	13 (75.620)	=	75.620 deg. F		
temperature	14 (76.140)	=	76.140 deg. F		
temperature	15 (76.550)	=	76.550 deg. F		
temperature	16 (75.490)	=	75.490 deg. F		
temperature	17 (75.680)	=	75.680 deg. F		
temperature	18 (75.230)	=	75.230 deg. F		
temperature	19 (75.100)	=	75.100 deg. F		
temperature	20 (74.880)	=	74.880 deg. F		
temperature	21 (73.780)	=	73.780 deg. F		
temperature	22 (74.360)	=	74.360 deg. F		
temperature	23 (72.930)	=	72.930 deg. F		
temperature	24 (75.930)	=	75.930 deg. F		
temperature	25 (75.640)	=	75.640 deg. F		
temperature	26 (75.620)	=	75.620 deg. F		
temperature	27 (73.770)	=	73.770 deg. F		
dewpoint	1 (65.950)	=	65.950 deg. F	, 0.3157 psia	
dewpoint	2 (66.090)	=	66.090 deg. F	, 0.3172 psia	
dewpoint	3 (66.030)	=	66.030 deg. F	, 0.3166 psia	
dewpoint	4 (66.090)	=	66.090 deg. F	, 0.3172 psia	
dewpoint	5 (66.020)	=	66.020 deg. F	, 0.3165 psia	
dewpoint	6 (66.140)	=	66.140 deg. F	, 0.3178 psia	
pressure	1 (63.9301)	=	63.9301 psia		
pressure	2 (63.9336)	=	63.9336 psia		

weighted averages, volume and air mass

temperature	=	75.21574 deg. F
pressure	=	63.93185 psia
vapor pressure	=	0.31707 psia
volume	=	2600000 cu. ft.
dry air mass	=	834638.52 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 10

time = 1900 date = 1218

sensor	raw data	value
temperature 1	(74.990)	= 74.990 deg. F
temperature 2	(75.040)	= 75.040 deg. F
temperature 3	(75.130)	= 75.130 deg. F
temperature 4	(75.270)	= 75.270 deg. F
temperature 5	(75.120)	= 75.120 deg. F
temperature 6	(75.100)	= 75.100 deg. F
temperature 7	(75.110)	= 75.110 deg. F
temperature 8	(75.340)	= 75.340 deg. F
temperature 9	(75.370)	= 75.370 deg. F
temperature 10	(75.370)	= 75.370 deg. F
temperature 11	(75.390)	= 75.390 deg. F
temperature 12	(75.410)	= 75.410 deg. F
temperature 13	(75.630)	= 75.630 deg. F
temperature 14	(76.080)	= 76.080 deg. F
temperature 15	(76.550)	= 76.550 deg. F
temperature 16	(75.480)	= 75.480 deg. F
temperature 17	(75.680)	= 75.680 deg. F
temperature 18	(75.230)	= 75.230 deg. F
temperature 19	(75.100)	= 75.100 deg. F
temperature 20	(74.880)	= 74.880 deg. F
temperature 21	(73.790)	= 73.790 deg. F
temperature 22	(74.360)	= 74.360 deg. F
temperature 23	(72.930)	= 72.930 deg. F
temperature 24	(75.900)	= 75.900 deg. F
temperature 25	(75.620)	= 75.620 deg. F
temperature 26	(75.600)	= 75.600 deg. F
temperature 27	(73.780)	= 73.780 deg. F
dewpoint 1	(66.240)	= 66.240 deg. F , 0.3189 psia
dewpoint 2	(66.060)	= 66.060 deg. F , 0.3169 psia
dewpoint 3	(66.000)	= 66.000 deg. F , 0.3163 psia
dewpoint 4	(66.040)	= 66.040 deg. F , 0.3167 psia
dewpoint 5	(65.960)	= 65.960 deg. F , 0.3158 psia
dewpoint 6	(66.120)	= 66.120 deg. F , 0.3176 psia
pressure 1	(63.9274)	= 63.9274 psia
pressure 2	(63.9312)	= 63.9312 psia

weighted averages, volume and air mass

temperature	=	75.20811 deg. F
pressure	=	63.92930 psia
vapor pressure	=	0.31667 psia
volume	=	2600000 cu. ft.
dry air mass	=	834622.26 lbm



PVNGS 2 1991 ILRT -- TYPE A TEST

data set 11

time = 1915 date = 1218

sensor	raw data	value
temperature 1	(74.960)	= 74.960 deg. F
temperature 2	(75.020)	= 75.020 deg. F
temperature 3	(75.120)	= 75.120 deg. F
temperature 4	(75.240)	= 75.240 deg. F
temperature 5	(75.100)	= 75.100 deg. F
temperature 6	(75.090)	= 75.090 deg. F
temperature 7	(75.090)	= 75.090 deg. F
temperature 8	(75.310)	= 75.310 deg. F
temperature 9	(75.340)	= 75.340 deg. F
temperature 10	(75.350)	= 75.350 deg. F
temperature 11	(75.320)	= 75.320 deg. F
temperature 12	(75.360)	= 75.360 deg. F
temperature 13	(75.590)	= 75.590 deg. F
temperature 14	(76.000)	= 76.000 deg. F
temperature 15	(76.530)	= 76.530 deg. F
temperature 16	(75.460)	= 75.460 deg. F
temperature 17	(75.640)	= 75.640 deg. F
temperature 18	(75.210)	= 75.210 deg. F
temperature 19	(75.100)	= 75.100 deg. F
temperature 20	(74.870)	= 74.870 deg. F
temperature 21	(73.790)	= 73.790 deg. F
temperature 22	(74.360)	= 74.360 deg. F
temperature 23	(72.930)	= 72.930 deg. F
temperature 24	(75.900)	= 75.900 deg. F
temperature 25	(75.600)	= 75.600 deg. F
temperature 26	(75.570)	= 75.570 deg. F
temperature 27	(73.750)	= 73.750 deg. F
dewpoint 1	(65.050)	= 65.050 deg. F , 0.3060 psia
dewpoint 2	(66.060)	= 66.060 deg. F , 0.3169 psia
dewpoint 3	(65.990)	= 65.990 deg. F , 0.3162 psia
dewpoint 4	(66.060)	= 66.060 deg. F , 0.3169 psia
dewpoint 5	(65.940)	= 65.940 deg. F , 0.3156 psia
dewpoint 6	(66.090)	= 66.090 deg. F , 0.3172 psia
pressure 1	(63.9247)	= 63.9247 psia
pressure 2	(63.9292)	= 63.9292 psia

weighted averages, volume and air mass

temperature	=	75.18256 deg. F
pressure	=	63.92695 psia
vapor pressure	=	0.31661 psia
volume	=	2600000 cu. ft.
dry air mass	=	834632.02 lbm



PVNGS 2 1991 ILRT -- TYPE A TEST

data set 12

time = 1930 date = 1218

sensor		raw data		value	
temperature	1 (74.940)	=	74.940 deg. F		
temperature	2 (75.010)	=	75.010 deg. F		
temperature	3 (75.100)	=	75.100 deg. F		
temperature	4 (75.230)	=	75.230 deg. F		
temperature	5 (75.080)	=	75.080 deg. F		
temperature	6 (75.080)	=	75.080 deg. F		
temperature	7 (75.070)	=	75.070 deg. F		
temperature	8 (75.280)	=	75.280 deg. F		
temperature	9 (75.330)	=	75.330 deg. F		
temperature	10 (75.330)	=	75.330 deg. F		
temperature	11 (75.360)	=	75.360 deg. F		
temperature	12 (75.360)	=	75.360 deg. F		
temperature	13 (75.560)	=	75.560 deg. F		
temperature	14 (75.920)	=	75.920 deg. F		
temperature	15 (76.520)	=	76.520 deg. F		
temperature	16 (75.420)	=	75.420 deg. F		
temperature	17 (75.610)	=	75.610 deg. F		
temperature	18 (75.180)	=	75.180 deg. F		
temperature	19 (75.090)	=	75.090 deg. F		
temperature	20 (74.870)	=	74.870 deg. F		
temperature	21 (73.790)	=	73.790 deg. F		
temperature	22 (74.370)	=	74.370 deg. F		
temperature	23 (72.950)	=	72.950 deg. F		
temperature	24 (75.880)	=	75.880 deg. F		
temperature	25 (75.580)	=	75.580 deg. F		
temperature	26 (75.560)	=	75.560 deg. F		
temperature	27 (73.740)	=	73.740 deg. F		
dewpoint	1 (66.390)	=	66.390 deg. F	, 0.3206 psia	
dewpoint	2 (66.030)	=	66.030 deg. F	, 0.3166 psia	
dewpoint	3 (65.930)	=	65.930 deg. F	, 0.3155 psia	
dewpoint	4 (66.010)	=	66.010 deg. F	, 0.3164 psia	
dewpoint	5 (65.930)	=	65.930 deg. F	, 0.3155 psia	
dewpoint	6 (66.070)	=	66.070 deg. F	, 0.3170 psia	
pressure	1 (63.9226)	=	63.9226 psia		
pressure	2 (63.9264)	=	63.9264 psia		

weighted averages, volume and air mass

temperature	=	75.16782 deg. F
pressure	=	63.92450 psia
vapor pressure	=	0.31622 psia
volume	=	2600000 cu. ft.
dry air mass	=	834627.99 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 13

time = 1945 date = 1218

sensor	raw data	value
temperature 1	(74.890)	= 74.890 deg. F
temperature 2	(74.980)	= 74.980 deg. F
temperature 3	(75.070)	= 75.070 deg. F
temperature 4	(75.200)	= 75.200 deg. F
temperature 5	(75.060)	= 75.060 deg. F
temperature 6	(75.040)	= 75.040 deg. F
temperature 7	(75.040)	= 75.040 deg. F
temperature 8	(75.270)	= 75.270 deg. F
temperature 9	(75.300)	= 75.300 deg. F
temperature 10	(75.310)	= 75.310 deg. F
temperature 11	(75.300)	= 75.300 deg. F
temperature 12	(75.340)	= 75.340 deg. F
temperature 13	(75.530)	= 75.530 deg. F
temperature 14	(75.910)	= 75.910 deg. F
temperature 15	(76.480)	= 76.480 deg. F
temperature 16	(75.400)	= 75.400 deg. F
temperature 17	(75.610)	= 75.610 deg. F
temperature 18	(75.150)	= 75.150 deg. F
temperature 19	(75.070)	= 75.070 deg. F
temperature 20	(74.860)	= 74.860 deg. F
temperature 21	(73.790)	= 73.790 deg. F
temperature 22	(74.360)	= 74.360 deg. F
temperature 23	(72.940)	= 72.940 deg. F
temperature 24	(75.860)	= 75.860 deg. F
temperature 25	(75.580)	= 75.580 deg. F
temperature 26	(75.540)	= 75.540 deg. F
temperature 27	(73.780)	= 73.780 deg. F
dewpoint 1	(66.310)	= 66.310 deg. F , 0.3197 psia
dewpoint 2	(65.990)	= 65.990 deg. F , 0.3162 psia
dewpoint 3	(65.930)	= 65.930 deg. F , 0.3155 psia
dewpoint 4	(65.990)	= 65.990 deg. F , 0.3162 psia
dewpoint 5	(65.930)	= 65.930 deg. F , 0.3155 psia
dewpoint 6	(66.050)	= 66.050 deg. F , 0.3168 psia
pressure 1	(63.9206)	= 63.9206 psia
pressure 2	(63.9238)	= 63.9238 psia

weighted averages, volume and air mass

temperature	=	75.14327 deg. F
pressure	=	63.92220 psia
vapor pressure	=	0.31600 psia
volume	=	2600000 cu. ft.
dry air mass	=	834639.05 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 14

time = 2000 date = 1218

sensor	raw data	value
temperature 1 (74.870)	=	74.870 deg. F
temperature 2 (74.960)	=	74.960 deg. F
temperature 3 (75.060)	=	75.060 deg. F
temperature 4 (75.190)	=	75.190 deg. F
temperature 5 (75.040)	=	75.040 deg. F
temperature 6 (75.020)	=	75.020 deg. F
temperature 7 (75.020)	=	75.020 deg. F
temperature 8 (75.250)	=	75.250 deg. F
temperature 9 (75.280)	=	75.280 deg. F
temperature 10 (75.310)	=	75.310 deg. F
temperature 11 (75.290)	=	75.290 deg. F
temperature 12 (75.300)	=	75.300 deg. F
temperature 13 (75.590)	=	75.590 deg. F
temperature 14 (75.920)	=	75.920 deg. F
temperature 15 (76.480)	=	76.480 deg. F
temperature 16 (75.390)	=	75.390 deg. F
temperature 17 (75.560)	=	75.560 deg. F
temperature 18 (75.140)	=	75.140 deg. F
temperature 19 (75.070)	=	75.070 deg. F
temperature 20 (74.850)	=	74.850 deg. F
temperature 21 (73.770)	=	73.770 deg. F
temperature 22 (74.370)	=	74.370 deg. F
temperature 23 (72.940)	=	72.940 deg. F
temperature 24 (75.860)	=	75.860 deg. F
temperature 25 (75.570)	=	75.570 deg. F
temperature 26 (75.540)	=	75.540 deg. F
temperature 27 (73.740)	=	73.740 deg. F
dewpoint 1 (66.440)	=	66.440 deg. F , 0.3211 psia
dewpoint 2 (66.240)	=	66.240 deg. F , 0.3189 psia
dewpoint 3 (65.940)	=	65.940 deg. F , 0.3156 psia
dewpoint 4 (65.960)	=	65.960 deg. F , 0.3158 psia
dewpoint 5 (65.860)	=	65.860 deg. F , 0.3147 psia
dewpoint 6 (66.040)	=	66.040 deg. F , 0.3167 psia
pressure 1 (63.9181)	=	63.9181 psia
pressure 2 (63.9220)	=	63.9220 psia

weighted averages, volume and air mass

temperature	=	75.13375 deg. F
pressure	=	63.92005 psia
vapor pressure	=	0.31681 psia
volume	=	2600000 cu. ft.
dry air mass	=	834615.08 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 15

time = 2015 date = 1218

sensor	raw data	value
temperature 1	(74.840)	= 74.840 deg. F
temperature 2	(74.940)	= 74.940 deg. F
temperature 3	(75.040)	= 75.040 deg. F
temperature 4	(75.160)	= 75.160 deg. F
temperature 5	(75.040)	= 75.040 deg. F
temperature 6	(75.010)	= 75.010 deg. F
temperature 7	(75.000)	= 75.000 deg. F
temperature 8	(75.220)	= 75.220 deg. F
temperature 9	(75.250)	= 75.250 deg. F
temperature 10	(75.300)	= 75.300 deg. F
temperature 11	(75.250)	= 75.250 deg. F
temperature 12	(75.300)	= 75.300 deg. F
temperature 13	(75.540)	= 75.540 deg. F
temperature 14	(75.840)	= 75.840 deg. F
temperature 15	(76.450)	= 76.450 deg. F
temperature 16	(75.360)	= 75.360 deg. F
temperature 17	(75.550)	= 75.550 deg. F
temperature 18	(75.130)	= 75.130 deg. F
temperature 19	(75.060)	= 75.060 deg. F
temperature 20	(74.850)	= 74.850 deg. F
temperature 21	(73.790)	= 73.790 deg. F
temperature 22	(74.370)	= 74.370 deg. F
temperature 23	(72.940)	= 72.940 deg. F
temperature 24	(75.820)	= 75.820 deg. F
temperature 25	(75.550)	= 75.550 deg. F
temperature 26	(75.520)	= 75.520 deg. F
temperature 27	(73.760)	= 73.760 deg. F
dewpoint 1	(66.280)	= 66.280 deg. F , 0.3193 psia
dewpoint 2	(65.970)	= 65.970 deg. F , 0.3159 psia
dewpoint 3	(65.930)	= 65.930 deg. F , 0.3155 psia
dewpoint 4	(65.940)	= 65.940 deg. F , 0.3156 psia
dewpoint 5	(65.860)	= 65.860 deg. F , 0.3147 psia
dewpoint 6	(66.000)	= 66.000 deg. F , 0.3163 psia
pressure 1	(63.9159)	= 63.9159 psia
pressure 2	(63.9193)	= 63.9193 psia

weighted averages, volume and air mass

temperature	=	75.11289 deg. F
pressure	=	63.91760 psia
vapor pressure	=	0.31565 psia
volume	=	2600000 cu. ft.
dry air mass	=	834630.76 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 16

time = 2030 date = 1218

sensor	raw data	value
temperature 1	(74.840)	= 74.840 deg. F
temperature 2	(74.940)	= 74.940 deg. F
temperature 3	(75.020)	= 75.020 deg. F
temperature 4	(75.140)	= 75.140 deg. F
temperature 5	(75.010)	= 75.010 deg. F
temperature 6	(74.980)	= 74.980 deg. F
temperature 7	(74.990)	= 74.990 deg. F
temperature 8	(75.210)	= 75.210 deg. F
temperature 9	(75.230)	= 75.230 deg. F
temperature 10	(75.260)	= 75.260 deg. F
temperature 11	(75.260)	= 75.260 deg. F
temperature 12	(75.270)	= 75.270 deg. F
temperature 13	(75.550)	= 75.550 deg. F
temperature 14	(75.820)	= 75.820 deg. F
temperature 15	(76.420)	= 76.420 deg. F
temperature 16	(75.330)	= 75.330 deg. F
temperature 17	(75.540)	= 75.540 deg. F
temperature 18	(75.090)	= 75.090 deg. F
temperature 19	(75.060)	= 75.060 deg. F
temperature 20	(74.850)	= 74.850 deg. F
temperature 21	(73.790)	= 73.790 deg. F
temperature 22	(74.370)	= 74.370 deg. F
temperature 23	(72.950)	= 72.950 deg. F
temperature 24	(75.810)	= 75.810 deg. F
temperature 25	(75.530)	= 75.530 deg. F
temperature 26	(75.500)	= 75.500 deg. F
temperature 27	(73.780)	= 73.780 deg. F
dewpoint 1	(66.260)	= 66.260 deg. F , 0.3191 psia
dewpoint 2	(65.940)	= 65.940 deg. F , 0.3156 psia
dewpoint 3	(65.880)	= 65.880 deg. F , 0.3149 psia
dewpoint 4	(65.930)	= 65.930 deg. F , 0.3155 psia
dewpoint 5	(65.860)	= 65.860 deg. F , 0.3147 psia
dewpoint 6	(65.990)	= 65.990 deg. F , 0.3162 psia
pressure 1	(63.9132)	= 63.9132 psia
pressure 2	(63.9172)	= 63.9172 psia

weighted averages, volume and air mass

temperature	=	75.09873 deg. F
pressure	=	63.91520 psia
vapor pressure	=	0.31539 psia
volume	=	2600000 cu. ft.
dry air mass	=	834624.71 lbm



1. The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that this is essential for the proper management of the organization's finances and for ensuring that all activities are properly documented.

2. The second part of the document outlines the various methods used to collect and analyze data. It describes how data is gathered from different sources and how it is then processed to identify trends and patterns. This section also includes a discussion of the various statistical techniques used to analyze the data.

3. The third part of the document provides a detailed description of the various types of data that are collected. It includes information on the different types of data that are used in the organization's operations, as well as the various methods used to collect and analyze this data.



4. The fourth part of the document discusses the various methods used to collect and analyze data. It describes how data is gathered from different sources and how it is then processed to identify trends and patterns. This section also includes a discussion of the various statistical techniques used to analyze the data.

5. The fifth part of the document provides a detailed description of the various types of data that are collected. It includes information on the different types of data that are used in the organization's operations, as well as the various methods used to collect and analyze this data.

6. The sixth part of the document discusses the various methods used to collect and analyze data. It describes how data is gathered from different sources and how it is then processed to identify trends and patterns. This section also includes a discussion of the various statistical techniques used to analyze the data.



PVNGS 2 1991 ILRT -- TYPE A TEST

data set 17

time = 2045 date = 1218

sensor	raw data	value
temperature 1	(74.840)	= 74.840 deg. F
temperature 2	(74.900)	= 74.900 deg. F
temperature 3	(75.000)	= 75.000 deg. F
temperature 4	(75.140)	= 75.140 deg. F
temperature 5	(75.010)	= 75.010 deg. F
temperature 6	(74.980)	= 74.980 deg. F
temperature 7	(74.960)	= 74.960 deg. F
temperature 8	(75.190)	= 75.190 deg. F
temperature 9	(75.230)	= 75.230 deg. F
temperature 10	(75.260)	= 75.260 deg. F
temperature 11	(75.240)	= 75.240 deg. F
temperature 12	(75.250)	= 75.250 deg. F
temperature 13	(75.530)	= 75.530 deg. F
temperature 14	(75.780)	= 75.780 deg. F
temperature 15	(76.430)	= 76.430 deg. F
temperature 16	(75.310)	= 75.310 deg. F
temperature 17	(75.520)	= 75.520 deg. F
temperature 18	(75.110)	= 75.110 deg. F
temperature 19	(75.060)	= 75.060 deg. F
temperature 20	(74.840)	= 74.840 deg. F
temperature 21	(73.790)	= 73.790 deg. F
temperature 22	(74.360)	= 74.360 deg. F
temperature 23	(72.950)	= 72.950 deg. F
temperature 24	(75.810)	= 75.810 deg. F
temperature 25	(75.520)	= 75.520 deg. F
temperature 26	(75.480)	= 75.480 deg. F
temperature 27	(73.740)	= 73.740 deg. F
dewpoint 1	(66.090)	= 66.090 deg. F , 0.3172 psia
dewpoint 2	(65.940)	= 65.940 deg. F , 0.3156 psia
dewpoint 3	(65.860)	= 65.860 deg. F , 0.3147 psia
dewpoint 4	(65.910)	= 65.910 deg. F , 0.3153 psia
dewpoint 5	(65.830)	= 65.830 deg. F , 0.3144 psia
dewpoint 6	(65.970)	= 65.970 deg. F , 0.3159 psia
pressure 1	(63.9113)	= 63.9113 psia
pressure 2	(63.9151)	= 63.9151 psia

weighted averages, volume and air mass

temperature	=	75.08791 deg. F
pressure	=	63.91320 psia
vapor pressure	=	0.31523 psia
volume	=	2600000 cu. ft.
dry air mass	=	834617.43 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 18

time = 2100 date = 1218

sensor	raw data	value
temperature 1 (74.760)	=	74.760 deg. F
temperature 2 (74.890)	=	74.890 deg. F
temperature 3 (74.990)	=	74.990 deg. F
temperature 4 (75.140)	=	75.140 deg. F
temperature 5 (74.980)	=	74.980 deg. F
temperature 6 (74.960)	=	74.960 deg. F
temperature 7 (74.960)	=	74.960 deg. F
temperature 8 (75.180)	=	75.180 deg. F
temperature 9 (75.220)	=	75.220 deg. F
temperature 10 (75.250)	=	75.250 deg. F
temperature 11 (75.200)	=	75.200 deg. F
temperature 12 (75.190)	=	75.190 deg. F
temperature 13 (75.520)	=	75.520 deg. F
temperature 14 (75.710)	=	75.710 deg. F
temperature 15 (76.400)	=	76.400 deg. F
temperature 16 (75.290)	=	75.290 deg. F
temperature 17 (75.500)	=	75.500 deg. F
temperature 18 (75.090)	=	75.090 deg. F
temperature 19 (75.050)	=	75.050 deg. F
temperature 20 (74.830)	=	74.830 deg. F
temperature 21 (73.770)	=	73.770 deg. F
temperature 22 (74.360)	=	74.360 deg. F
temperature 23 (72.970)	=	72.970 deg. F
temperature 24 (75.790)	=	75.790 deg. F
temperature 25 (75.520)	=	75.520 deg. F
temperature 26 (75.470)	=	75.470 deg. F
temperature 27 (73.750)	=	73.750 deg. F
dewpoint 1 (67.620)	=	67.620 deg. F , 0.3345 psia
dewpoint 2 (65.890)	=	65.890 deg. F , 0.3151 psia
dewpoint 3 (65.790)	=	65.790 deg. F , 0.3140 psia
dewpoint 4 (65.880)	=	65.880 deg. F , 0.3149 psia
dewpoint 5 (65.820)	=	65.820 deg. F , 0.3143 psia
dewpoint 6 (65.970)	=	65.970 deg. F , 0.3159 psia
pressure 1 (63.9088)	=	63.9088 psia
pressure 2 (63.9126)	=	63.9126 psia

weighted averages, volume and air mass

temperature	=	75.06753 deg. F
pressure	=	63.91070 psia
vapor pressure	=	0.31481 psia
volume	=	2600000 cu. ft.
dry air mass	=	834621.93 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 19

time = 2115 date = 1218

sensor		raw data		value	
temperature	1 (	74.820	) =	74.820	deg. F
temperature	2 (	74.870	) =	74.870	deg. F
temperature	3 (	74.960	) =	74.960	deg. F
temperature	4 (	75.100	) =	75.100	deg. F
temperature	5 (	74.960	) =	74.960	deg. F
temperature	6 (	74.940	) =	74.940	deg. F
temperature	7 (	74.930	) =	74.930	deg. F
temperature	8 (	75.170	) =	75.170	deg. F
temperature	9 (	75.220	) =	75.220	deg. F
temperature	10 (	75.190	) =	75.190	deg. F
temperature	11 (	75.210	) =	75.210	deg. F
temperature	12 (	75.250	) =	75.250	deg. F
temperature	13 (	75.480	) =	75.480	deg. F
temperature	14 (	75.790	) =	75.790	deg. F
temperature	15 (	76.390	) =	76.390	deg. F
temperature	16 (	75.310	) =	75.310	deg. F
temperature	17 (	75.490	) =	75.490	deg. F
temperature	18 (	75.090	) =	75.090	deg. F
temperature	19 (	75.050	) =	75.050	deg. F
temperature	20 (	74.830	) =	74.830	deg. F
temperature	21 (	73.770	) =	73.770	deg. F
temperature	22 (	74.360	) =	74.360	deg. F
temperature	23 (	72.970	) =	72.970	deg. F
temperature	24 (	75.770	) =	75.770	deg. F
temperature	25 (	75.500	) =	75.500	deg. F
temperature	26 (	75.470	) =	75.470	deg. F
temperature	27 (	73.740	) =	73.740	deg. F
dewpoint	1 (	66.760	) =	66.760	deg. F , 0.3247 psia
dewpoint	2 (	65.900	) =	65.900	deg. F , 0.3152 psia
dewpoint	3 (	65.800	) =	65.800	deg. F , 0.3141 psia
dewpoint	4 (	65.880	) =	65.880	deg. F , 0.3149 psia
dewpoint	5 (	65.770	) =	65.770	deg. F , 0.3137 psia
dewpoint	6 (	65.940	) =	65.940	deg. F , 0.3156 psia
pressure	1 (	63.9068	) =	63.9068	psia
pressure	2 (	63.9103	) =	63.9103	psia

weighted averages, volume and air mass

temperature	=	75.06322	deg. F
pressure	=	63.90855	psia
vapor pressure	=	0.31475	psia
volume	=	2600000	cu. ft.
dry air mass	=	834601.24	lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 20

time = 2130 date = 1218

sensor	raw data	value
temperature 1	(74.790)	= 74.790 deg. F
temperature 2	(74.870)	= 74.870 deg. F
temperature 3	(74.920)	= 74.920 deg. F
temperature 4	(75.080)	= 75.080 deg. F
temperature 5	(74.940)	= 74.940 deg. F
temperature 6	(74.920)	= 74.920 deg. F
temperature 7	(74.920)	= 74.920 deg. F
temperature 8	(75.150)	= 75.150 deg. F
temperature 9	(75.190)	= 75.190 deg. F
temperature 10	(75.200)	= 75.200 deg. F
temperature 11	(75.170)	= 75.170 deg. F
temperature 12	(75.220)	= 75.220 deg. F
temperature 13	(75.460)	= 75.460 deg. F
temperature 14	(75.690)	= 75.690 deg. F
temperature 15	(76.380)	= 76.380 deg. F
temperature 16	(75.280)	= 75.280 deg. F
temperature 17	(75.470)	= 75.470 deg. F
temperature 18	(75.070)	= 75.070 deg. F
temperature 19	(75.040)	= 75.040 deg. F
temperature 20	(74.830)	= 74.830 deg. F
temperature 21	(73.760)	= 73.760 deg. F
temperature 22	(74.360)	= 74.360 deg. F
temperature 23	(72.980)	= 72.980 deg. F
temperature 24	(75.760)	= 75.760 deg. F
temperature 25	(75.480)	= 75.480 deg. F
temperature 26	(75.450)	= 75.450 deg. F
temperature 27	(73.740)	= 73.740 deg. F
dewpoint 1	(66.110)	= 66.110 deg. F , 0.3175 psia
dewpoint 2	(65.850)	= 65.850 deg. F , 0.3146 psia
dewpoint 3	(65.800)	= 65.800 deg. F , 0.3141 psia
dewpoint 4	(65.850)	= 65.850 deg. F , 0.3146 psia
dewpoint 5	(65.760)	= 65.760 deg. F , 0.3136 psia
dewpoint 6	(65.930)	= 65.930 deg. F , 0.3155 psia
pressure 1	(63.9045)	= 63.9045 psia
pressure 2	(63.9084)	= 63.9084 psia

weighted averages, volume and air mass

temperature	=	75.04276 deg. F
pressure	=	63.90645 psia
vapor pressure	=	0.31447 psia
volume	=	2600000 cu. ft.
dry air mass	=	834609.30 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 21

time = 2145 date = 1218

sensor		raw data	=	value
temperature	1	(74.780)	=	74.780 deg. F
temperature	2	(74.830)	=	74.830 deg. F
temperature	3	(74.930)	=	74.930 deg. F
temperature	4	(75.070)	=	75.070 deg. F
temperature	5	(74.910)	=	74.910 deg. F
temperature	6	(74.890)	=	74.890 deg. F
temperature	7	(74.890)	=	74.890 deg. F
temperature	8	(75.120)	=	75.120 deg. F
temperature	9	(75.170)	=	75.170 deg. F
temperature	10	(75.170)	=	75.170 deg. F
temperature	11	(75.130)	=	75.130 deg. F
temperature	12	(75.200)	=	75.200 deg. F
temperature	13	(75.460)	=	75.460 deg. F
temperature	14	(75.660)	=	75.660 deg. F
temperature	15	(76.350)	=	76.350 deg. F
temperature	16	(75.210)	=	75.210 deg. F
temperature	17	(75.470)	=	75.470 deg. F
temperature	18	(75.050)	=	75.050 deg. F
temperature	19	(75.030)	=	75.030 deg. F
temperature	20	(74.820)	=	74.820 deg. F
temperature	21	(73.790)	=	73.790 deg. F
temperature	22	(74.370)	=	74.370 deg. F
temperature	23	(72.970)	=	72.970 deg. F
temperature	24	(75.730)	=	75.730 deg. F
temperature	25	(75.470)	=	75.470 deg. F
temperature	26	(75.430)	=	75.430 deg. F
temperature	27	(73.740)	=	73.740 deg. F
dewpoint	1	(65.720)	=	65.720 deg. F , 0.3132 psia
dewpoint	2	(65.810)	=	65.810 deg. F , 0.3142 psia
dewpoint	3	(65.770)	=	65.770 deg. F , 0.3137 psia
dewpoint	4	(65.830)	=	65.830 deg. F , 0.3144 psia
dewpoint	5	(65.710)	=	65.710 deg. F , 0.3131 psia
dewpoint	6	(65.920)	=	65.920 deg. F , 0.3154 psia
pressure	1	(63.9025)	=	63.9025 psia
pressure	2	(63.9064)	=	63.9064 psia

weighted averages, volume and air mass

temperature	=	75.02267 deg. F
pressure	=	63.90445 psia
vapor pressure	=	0.31412 psia
volume	=	2600000 cu. ft.
dry air mass	=	834619.03 lbm



PVNGS 2 1991 ILRT -- TYPE A TEST

data set 22

time = 2200 date = 1218

sensor	raw data	value
temperature 1	(74.760)	= 74.760 deg. F
temperature 2	(74.840)	= 74.840 deg. F
temperature 3	(74.910)	= 74.910 deg. F
temperature 4	(75.060)	= 75.060 deg. F
temperature 5	(74.910)	= 74.910 deg. F
temperature 6	(74.890)	= 74.890 deg. F
temperature 7	(74.890)	= 74.890 deg. F
temperature 8	(75.110)	= 75.110 deg. F
temperature 9	(75.130)	= 75.130 deg. F
temperature 10	(75.190)	= 75.190 deg. F
temperature 11	(75.140)	= 75.140 deg. F
temperature 12	(75.090)	= 75.090 deg. F
temperature 13	(75.440)	= 75.440 deg. F
temperature 14	(75.630)	= 75.630 deg. F
temperature 15	(76.350)	= 76.350 deg. F
temperature 16	(75.190)	= 75.190 deg. F
temperature 17	(75.440)	= 75.440 deg. F
temperature 18	(75.040)	= 75.040 deg. F
temperature 19	(75.030)	= 75.030 deg. F
temperature 20	(74.800)	= 74.800 deg. F
temperature 21	(73.770)	= 73.770 deg. F
temperature 22	(74.350)	= 74.350 deg. F
temperature 23	(72.970)	= 72.970 deg. F
temperature 24	(75.710)	= 75.710 deg. F
temperature 25	(75.460)	= 75.460 deg. F
temperature 26	(75.410)	= 75.410 deg. F
temperature 27	(73.740)	= 73.740 deg. F
dewpoint 1	(66.050)	= 66.050 deg. F , 0.3168 psia
dewpoint 2	(65.830)	= 65.830 deg. F , 0.3144 psia
dewpoint 3	(65.750)	= 65.750 deg. F , 0.3135 psia
dewpoint 4	(65.820)	= 65.820 deg. F , 0.3143 psia
dewpoint 5	(65.510)	= 65.510 deg. F , 0.3109 psia
dewpoint 6	(65.880)	= 65.880 deg. F , 0.3149 psia
pressure 1	(63.9005)	= 63.9005 psia
pressure 2	(63.9046)	= 63.9046 psia

weighted averages, volume and air mass

temperature	=	75.00757 deg. F
pressure	=	63.90255 psia
vapor pressure	=	0.31376 psia
volume	=	2600000 cu. ft.
dry air mass	=	834622.39 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

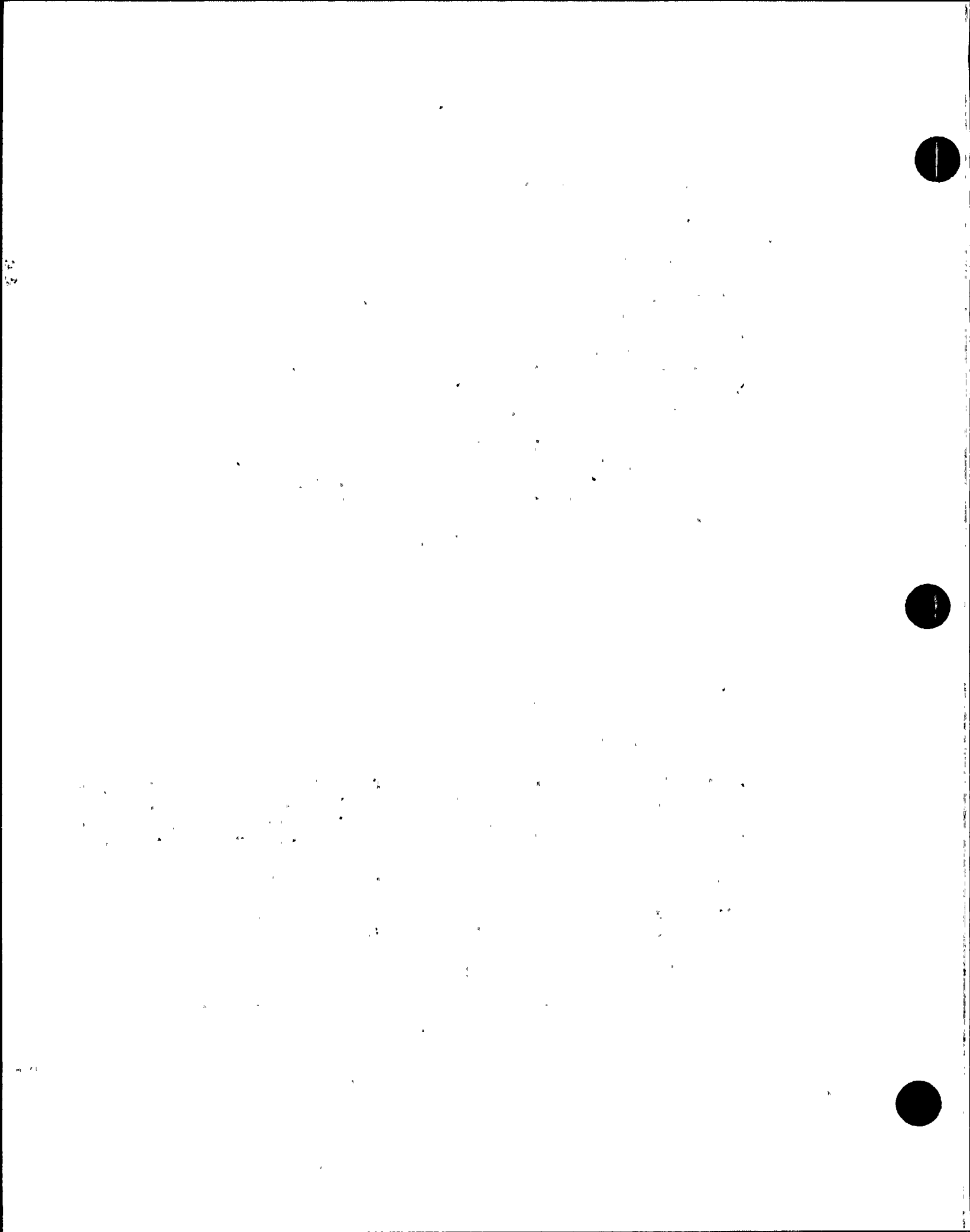
data set 23

time = 2215 date = 1218

sensor		raw data	=	value
temperature	1	(74.730)	=	74.730 deg. F
temperature	2	(74.810)	=	74.810 deg. F
temperature	3	(74.890)	=	74.890 deg. F
temperature	4	(75.040)	=	75.040 deg. F
temperature	5	(74.910)	=	74.910 deg. F
temperature	6	(74.850)	=	74.850 deg. F
temperature	7	(74.870)	=	74.870 deg. F
temperature	8	(75.090)	=	75.090 deg. F
temperature	9	(75.120)	=	75.120 deg. F
temperature	10	(75.150)	=	75.150 deg. F
temperature	11	(75.140)	=	75.140 deg. F
temperature	12	(75.170)	=	75.170 deg. F
temperature	13	(75.430)	=	75.430 deg. F
temperature	14	(75.690)	=	75.690 deg. F
temperature	15	(76.330)	=	76.330 deg. F
temperature	16	(75.210)	=	75.210 deg. F
temperature	17	(75.430)	=	75.430 deg. F
temperature	18	(75.040)	=	75.040 deg. F
temperature	19	(75.020)	=	75.020 deg. F
temperature	20	(74.800)	=	74.800 deg. F
temperature	21	(73.770)	=	73.770 deg. F
temperature	22	(74.360)	=	74.360 deg. F
temperature	23	(72.990)	=	72.990 deg. F
temperature	24	(75.700)	=	75.700 deg. F
temperature	25	(75.460)	=	75.460 deg. F
temperature	26	(75.400)	=	75.400 deg. F
temperature	27	(73.750)	=	73.750 deg. F
dewpoint	1	(66.120)	=	66.120 deg. F , 0.3176 psia
dewpoint	2	(65.800)	=	65.800 deg. F , 0.3141 psia
dewpoint	3	(65.790)	=	65.790 deg. F , 0.3140 psia
dewpoint	4	(65.790)	=	65.790 deg. F , 0.3140 psia
dewpoint	5	(65.710)	=	65.710 deg. F , 0.3131 psia
dewpoint	6	(65.870)	=	65.870 deg. F , 0.3148 psia
pressure	1	(63.8987)	=	63.8987 psia
pressure	2	(63.9027)	=	63.9027 psia

weighted averages, volume and air mass

temperature	=	75.00350 deg. F
pressure	=	63.90070 psia
vapor pressure	=	0.31398 psia
volume	=	2600000 cu. ft.
dry air mass	=	834601.57 lbm



PVNGS 2 1991 ILRT -- TYPE A TEST

data set 24

time = 2230 date = 1218

sensor	raw data	value
temperature 1	(74.750)	= 74.750 deg. F
temperature 2	(74.800)	= 74.800 deg. F
temperature 3	(74.880)	= 74.880 deg. F
temperature 4	(75.040)	= 75.040 deg. F
temperature 5	(74.900)	= 74.900 deg. F
temperature 6	(74.860)	= 74.860 deg. F
temperature 7	(74.850)	= 74.850 deg. F
temperature 8	(75.080)	= 75.080 deg. F
temperature 9	(75.140)	= 75.140 deg. F
temperature 10	(75.130)	= 75.130 deg. F
temperature 11	(75.110)	= 75.110 deg. F
temperature 12	(75.180)	= 75.180 deg. F
temperature 13	(75.440)	= 75.440 deg. F
temperature 14	(75.640)	= 75.640 deg. F
temperature 15	(76.320)	= 76.320 deg. F
temperature 16	(75.230)	= 75.230 deg. F
temperature 17	(75.430)	= 75.430 deg. F
temperature 18	(75.030)	= 75.030 deg. F
temperature 19	(75.020)	= 75.020 deg. F
temperature 20	(74.800)	= 74.800 deg. F
temperature 21	(73.770)	= 73.770 deg. F
temperature 22	(74.370)	= 74.370 deg. F
temperature 23	(72.990)	= 72.990 deg. F
temperature 24	(75.690)	= 75.690 deg. F
temperature 25	(75.420)	= 75.420 deg. F
temperature 26	(75.400)	= 75.400 deg. F
temperature 27	(73.750)	= 73.750 deg. F
dewpoint 1	(66.220)	= 66.220 deg. F , 0.3187 psia
dewpoint 2	(65.790)	= 65.790 deg. F , 0.3140 psia
dewpoint 3	(65.760)	= 65.760 deg. F , 0.3136 psia
dewpoint 4	(65.780)	= 65.780 deg. F , 0.3139 psia
dewpoint 5	(65.690)	= 65.690 deg. F , 0.3129 psia
dewpoint 6	(65.840)	= 65.840 deg. F , 0.3145 psia
pressure 1	(63.8972)	= 63.8972 psia
pressure 2	(63.9004)	= 63.9004 psia

weighted averages, volume and air mass

temperature	=	74.99939 deg. F
pressure	=	63.89880 psia
vapor pressure	=	0.31378 psia
volume	=	2600000 cu. ft.
dry air mass	=	834585.61 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 25

time = 2245 date = 1218

sensor		raw data		value	
temperature	1	(74.720)	=	74.720	deg. F
temperature	2	(74.780)	=	74.780	deg. F
temperature	3	(74.860)	=	74.860	deg. F
temperature	4	(75.020)	=	75.020	deg. F
temperature	5	(74.860)	=	74.860	deg. F
temperature	6	(74.850)	=	74.850	deg. F
temperature	7	(74.840)	=	74.840	deg. F
temperature	8	(75.070)	=	75.070	deg. F
temperature	9	(75.100)	=	75.100	deg. F
temperature	10	(75.140)	=	75.140	deg. F
temperature	11	(75.110)	=	75.110	deg. F
temperature	12	(75.080)	=	75.080	deg. F
temperature	13	(75.420)	=	75.420	deg. F
temperature	14	(75.650)	=	75.650	deg. F
temperature	15	(76.300)	=	76.300	deg. F
temperature	16	(75.140)	=	75.140	deg. F
temperature	17	(75.410)	=	75.410	deg. F
temperature	18	(74.990)	=	74.990	deg. F
temperature	19	(75.000)	=	75.000	deg. F
temperature	20	(74.790)	=	74.790	deg. F
temperature	21	(73.770)	=	73.770	deg. F
temperature	22	(74.360)	=	74.360	deg. F
temperature	23	(72.990)	=	72.990	deg. F
temperature	24	(75.710)	=	75.710	deg. F
temperature	25	(75.430)	=	75.430	deg. F
temperature	26	(75.390)	=	75.390	deg. F
temperature	27	(73.760)	=	73.760	deg. F
dewpoint	1	(66.030)	=	66.030	deg. F , 0.3166 psia
dewpoint	2	(65.780)	=	65.780	deg. F , 0.3139 psia
dewpoint	3	(65.700)	=	65.700	deg. F , 0.3130 psia
dewpoint	4	(65.740)	=	65.740	deg. F , 0.3134 psia
dewpoint	5	(65.640)	=	65.640	deg. F , 0.3123 psia
dewpoint	6	(65.830)	=	65.830	deg. F , 0.3144 psia
pressure	1	(63.8953)	=	63.8953	psia
pressure	2	(63.8975)	=	63.8975	psia

weighted averages, volume and air mass

temperature	=	74.97768	deg. F
pressure	=	63.89640	psia
vapor pressure	=	0.31344	psia
volume	=	2600000	cu. ft.
dry air mass	=	834592.48	lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 26

time = 2300 date = 1218

sensor	raw data	value
temperature 1	(74.730)	= 74.730 deg. F
temperature 2	(74.750)	= 74.750 deg. F
temperature 3	(74.850)	= 74.850 deg. F
temperature 4	(75.000)	= 75.000 deg. F
temperature 5	(74.870)	= 74.870 deg. F
temperature 6	(74.830)	= 74.830 deg. F
temperature 7	(74.830)	= 74.830 deg. F
temperature 8	(75.050)	= 75.050 deg. F
temperature 9	(75.090)	= 75.090 deg. F
temperature 10	(75.100)	= 75.100 deg. F
temperature 11	(75.090)	= 75.090 deg. F
temperature 12	(75.100)	= 75.100 deg. F
temperature 13	(75.390)	= 75.390 deg. F
temperature 14	(75.530)	= 75.530 deg. F
temperature 15	(76.290)	= 76.290 deg. F
temperature 16	(75.160)	= 75.160 deg. F
temperature 17	(75.410)	= 75.410 deg. F
temperature 18	(75.000)	= 75.000 deg. F
temperature 19	(75.000)	= 75.000 deg. F
temperature 20	(74.790)	= 74.790 deg. F
temperature 21	(73.760)	= 73.760 deg. F
temperature 22	(74.360)	= 74.360 deg. F
temperature 23	(73.000)	= 73.000 deg. F
temperature 24	(75.690)	= 75.690 deg. F
temperature 25	(75.410)	= 75.410 deg. F
temperature 26	(75.370)	= 75.370 deg. F
temperature 27	(73.760)	= 73.760 deg. F
dewpoint 1	(66.060)	= 66.060 deg. F , 0.3169 psia
dewpoint 2	(65.740)	= 65.740 deg. F , 0.3134 psia
dewpoint 3	(65.670)	= 65.670 deg. F , 0.3127 psia
dewpoint 4	(65.740)	= 65.740 deg. F , 0.3134 psia
dewpoint 5	(65.620)	= 65.620 deg. F , 0.3121 psia
dewpoint 6	(65.810)	= 65.810 deg. F , 0.3142 psia
pressure 1	(63.8922)	= 63.8922 psia
pressure 2	(63.8950)	= 63.8950 psia

weighted averages, volume and air mass

temperature	=	74.96471 deg. F
pressure	=	63.89360 psia
vapor pressure	=	0.31316 psia
volume	=	2600000 cu. ft.
dry air mass	=	834579.60 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 27

time = 2315 date = 1218

sensor	raw data	value
temperature 1	(74.700)	= 74.700 deg. F
temperature 2	(74.760)	= 74.760 deg. F
temperature 3	(74.850)	= 74.850 deg. F
temperature 4	(75.000)	= 75.000 deg. F
temperature 5	(74.860)	= 74.860 deg. F
temperature 6	(74.830)	= 74.830 deg. F
temperature 7	(74.810)	= 74.810 deg. F
temperature 8	(75.040)	= 75.040 deg. F
temperature 9	(75.070)	= 75.070 deg. F
temperature 10	(75.100)	= 75.100 deg. F
temperature 11	(75.070)	= 75.070 deg. F
temperature 12	(75.050)	= 75.050 deg. F
temperature 13	(75.390)	= 75.390 deg. F
temperature 14	(75.650)	= 75.650 deg. F
temperature 15	(76.270)	= 76.270 deg. F
temperature 16	(75.100)	= 75.100 deg. F
temperature 17	(75.380)	= 75.380 deg. F
temperature 18	(74.990)	= 74.990 deg. F
temperature 19	(75.000)	= 75.000 deg. F
temperature 20	(74.770)	= 74.770 deg. F
temperature 21	(73.750)	= 73.750 deg. F
temperature 22	(74.370)	= 74.370 deg. F
temperature 23	(73.010)	= 73.010 deg. F
temperature 24	(75.690)	= 75.690 deg. F
temperature 25	(75.410)	= 75.410 deg. F
temperature 26	(75.360)	= 75.360 deg. F
temperature 27	(73.770)	= 73.770 deg. F
dewpoint 1	(65.930)	= 65.930 deg. F , 0.3155 psia
dewpoint 2	(65.720)	= 65.720 deg. F , 0.3132 psia
dewpoint 3	(65.680)	= 65.680 deg. F , 0.3128 psia
dewpoint 4	(65.710)	= 65.710 deg. F , 0.3131 psia
dewpoint 5	(65.690)	= 65.690 deg. F , 0.3129 psia
dewpoint 6	(65.800)	= 65.800 deg. F , 0.3141 psia
pressure 1	(63.8889)	= 63.8889 psia
pressure 2	(63.8926)	= 63.8926 psia

weighted averages, volume and air mass

temperature	=	74.95760 deg. F
pressure	=	63.89075 psia
vapor pressure	=	0.31315 psia
volume	=	2600000 cu. ft.
dry air mass	=	834553.50 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 28

time = 2330 date = 1218

sensor		raw data		value	
temperature	1	(74.680)	=	74.680	deg. F
temperature	2	(74.720)	=	74.720	deg. F
temperature	3	(74.840)	=	74.840	deg. F
temperature	4	(74.980)	=	74.980	deg. F
temperature	5	(74.850)	=	74.850	deg. F
temperature	6	(74.810)	=	74.810	deg. F
temperature	7	(74.800)	=	74.800	deg. F
temperature	8	(75.020)	=	75.020	deg. F
temperature	9	(75.080)	=	75.080	deg. F
temperature	10	(75.080)	=	75.080	deg. F
temperature	11	(75.060)	=	75.060	deg. F
temperature	12	(75.090)	=	75.090	deg. F
temperature	13	(75.400)	=	75.400	deg. F
temperature	14	(75.580)	=	75.580	deg. F
temperature	15	(76.260)	=	76.260	deg. F
temperature	16	(75.150)	=	75.150	deg. F
temperature	17	(75.360)	=	75.360	deg. F
temperature	18	(74.970)	=	74.970	deg. F
temperature	19	(75.000)	=	75.000	deg. F
temperature	20	(74.770)	=	74.770	deg. F
temperature	21	(73.760)	=	73.760	deg. F
temperature	22	(74.360)	=	74.360	deg. F
temperature	23	(73.020)	=	73.020	deg. F
temperature	24	(75.650)	=	75.650	deg. F
temperature	25	(75.450)	=	75.450	deg. F
temperature	26	(75.340)	=	75.340	deg. F
temperature	27	(73.770)	=	73.770	deg. F
dewpoint	1	(66.170)	=	66.170	deg. F , 0.3181 psia
dewpoint	2	(65.720)	=	65.720	deg. F , 0.3132 psia
dewpoint	3	(65.640)	=	65.640	deg. F , 0.3123 psia
dewpoint	4	(65.700)	=	65.700	deg. F , 0.3130 psia
dewpoint	5	(65.620)	=	65.620	deg. F , 0.3121 psia
dewpoint	6	(65.780)	=	65.780	deg. F , 0.3139 psia
pressure	1	(63.8871)	=	63.8871	psia
pressure	2	(63.8900)	=	63.8900	psia

weighted averages, volume and air mass

temperature	=	74.94942	deg. F
pressure	=	63.88855	psia
vapor pressure	=	0.31291	psia
volume	=	2600000	cu. ft.
dry air mass	=	834540.58	lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 29

time = 2345 date = 1218

sensor	raw data	value
temperature 1 (74.690)	=	74.690 deg. F
temperature 2 (74.720)	=	74.720 deg. F
temperature 3 (74.810)	=	74.810 deg. F
temperature 4 (74.970)	=	74.970 deg. F
temperature 5 (74.860)	=	74.860 deg. F
temperature 6 (74.790)	=	74.790 deg. F
temperature 7 (74.790)	=	74.790 deg. F
temperature 8 (75.020)	=	75.020 deg. F
temperature 9 (75.030)	=	75.030 deg. F
temperature 10 (75.090)	=	75.090 deg. F
temperature 11 (75.030)	=	75.030 deg. F
temperature 12 (75.020)	=	75.020 deg. F
temperature 13 (75.350)	=	75.350 deg. F
temperature 14 (75.480)	=	75.480 deg. F
temperature 15 (76.250)	=	76.250 deg. F
temperature 16 (75.090)	=	75.090 deg. F
temperature 17 (75.350)	=	75.350 deg. F
temperature 18 (74.970)	=	74.970 deg. F
temperature 19 (74.980)	=	74.980 deg. F
temperature 20 (74.760)	=	74.760 deg. F
temperature 21 (73.760)	=	73.760 deg. F
temperature 22 (74.360)	=	74.360 deg. F
temperature 23 (73.010)	=	73.010 deg. F
temperature 24 (75.640)	=	75.640 deg. F
temperature 25 (75.520)	=	75.520 deg. F
temperature 26 (75.330)	=	75.330 deg. F
temperature 27 (73.770)	=	73.770 deg. F
dewpoint 1 (65.990)	=	65.990 deg. F , 0.3162 psia
dewpoint 2 (65.690)	=	65.690 deg. F , 0.3129 psia
dewpoint 3 (65.600)	=	65.600 deg. F , 0.3119 psia
dewpoint 4 (65.690)	=	65.690 deg. F , 0.3129 psia
dewpoint 5 (65.590)	=	65.590 deg. F , 0.3118 psia
dewpoint 6 (65.760)	=	65.760 deg. F , 0.3136 psia
pressure 1 (63.8846)	=	63.8846 psia
pressure 2 (63.8884)	=	63.8884 psia

weighted averages, volume and air mass

temperature	=	74.92808 deg. F
pressure	=	63.88650 psia
vapor pressure	=	0.31261 psia
volume	=	2600000 cu. ft.
dry air mass	=	834550.88 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 30

time = 0 date = 1219

sensor		raw data		value	
temperature	1	(74.680)	=	74.680	deg. F
temperature	2	(74.720)	=	74.720	deg. F
temperature	3	(74.790)	=	74.790	deg. F
temperature	4	(74.940)	=	74.940	deg. F
temperature	5	(74.800)	=	74.800	deg. F
temperature	6	(74.790)	=	74.790	deg. F
temperature	7	(74.780)	=	74.780	deg. F
temperature	8	(75.010)	=	75.010	deg. F
temperature	9	(75.020)	=	75.020	deg. F
temperature	10	(75.060)	=	75.060	deg. F
temperature	11	(75.010)	=	75.010	deg. F
temperature	12	(75.020)	=	75.020	deg. F
temperature	13	(75.360)	=	75.360	deg. F
temperature	14	(75.560)	=	75.560	deg. F
temperature	15	(76.230)	=	76.230	deg. F
temperature	16	(75.070)	=	75.070	deg. F
temperature	17	(75.330)	=	75.330	deg. F
temperature	18	(74.960)	=	74.960	deg. F
temperature	19	(74.980)	=	74.980	deg. F
temperature	20	(74.760)	=	74.760	deg. F
temperature	21	(73.740)	=	73.740	deg. F
temperature	22	(74.370)	=	74.370	deg. F
temperature	23	(73.010)	=	73.010	deg. F
temperature	24	(75.640)	=	75.640	deg. F
temperature	25	(75.420)	=	75.420	deg. F
temperature	26	(75.330)	=	75.330	deg. F
temperature	27	(73.760)	=	73.760	deg. F
dewpoint	1	(66.040)	=	66.040	deg. F , 0.3167 psia
dewpoint	2	(65.660)	=	65.660	deg. F , 0.3125 psia
dewpoint	3	(65.590)	=	65.590	deg. F , 0.3118 psia
dewpoint	4	(65.660)	=	65.660	deg. F , 0.3125 psia
dewpoint	5	(65.560)	=	65.560	deg. F , 0.3115 psia
dewpoint	6	(65.740)	=	65.740	deg. F , 0.3134 psia
pressure	1	(63.8829)	=	63.8829	psia
pressure	2	(63.8869)	=	63.8869	psia

weighted averages, volume and air mass

temperature	=	74.91955	deg. F
pressure	=	63.88490	psia
vapor pressure	=	0.31234	psia
volume	=	2600000	cu. ft.
dry air mass	=	834546.75	lbm



PVNGS 2 1991 ILRT -- TYPE A TEST

data set 31

time = 15 date = 1219

sensor	raw data	value
temperature 1	(74.650)	= 74.650 deg. F
temperature 2	(74.710)	= 74.710 deg. F
temperature 3	(74.770)	= 74.770 deg. F
temperature 4	(74.920)	= 74.920 deg. F
temperature 5	(74.790)	= 74.790 deg. F
temperature 6	(74.770)	= 74.770 deg. F
temperature 7	(74.770)	= 74.770 deg. F
temperature 8	(75.000)	= 75.000 deg. F
temperature 9	(75.020)	= 75.020 deg. F
temperature 10	(75.030)	= 75.030 deg. F
temperature 11	(75.010)	= 75.010 deg. F
temperature 12	(75.010)	= 75.010 deg. F
temperature 13	(75.320)	= 75.320 deg. F
temperature 14	(75.580)	= 75.580 deg. F
temperature 15	(76.220)	= 76.220 deg. F
temperature 16	(75.120)	= 75.120 deg. F
temperature 17	(75.320)	= 75.320 deg. F
temperature 18	(74.940)	= 74.940 deg. F
temperature 19	(74.970)	= 74.970 deg. F
temperature 20	(74.750)	= 74.750 deg. F
temperature 21	(73.740)	= 73.740 deg. F
temperature 22	(74.360)	= 74.360 deg. F
temperature 23	(73.020)	= 73.020 deg. F
temperature 24	(75.620)	= 75.620 deg. F
temperature 25	(75.430)	= 75.430 deg. F
temperature 26	(75.310)	= 75.310 deg. F
temperature 27	(73.750)	= 73.750 deg. F
dewpoint 1	(65.940)	= 65.940 deg. F , 0.3156 psia
dewpoint 2	(65.660)	= 65.660 deg. F , 0.3125 psia
dewpoint 3	(65.540)	= 65.540 deg. F , 0.3112 psia
dewpoint 4	(65.640)	= 65.640 deg. F , 0.3123 psia
dewpoint 5	(65.550)	= 65.550 deg. F , 0.3114 psia
dewpoint 6	(65.720)	= 65.720 deg. F , 0.3132 psia
pressure 1	(63.8808)	= 63.8808 psia
pressure 2	(63.8850)	= 63.8850 psia

weighted averages, volume and air mass

temperature	=	74.91054 deg. F
pressure	=	63.88290 psia
vapor pressure	=	0.31215 psia
volume	=	2600000 cu. ft.
dry air mass	=	834536.96 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 32

time = 30 date = 1219

sensor	raw data	value
temperature 1	(74.620)	= 74.620 deg. F
temperature 2	(74.710)	= 74.710 deg. F
temperature 3	(74.770)	= 74.770 deg. F
temperature 4	(74.910)	= 74.910 deg. F
temperature 5	(74.780)	= 74.780 deg. F
temperature 6	(74.730)	= 74.730 deg. F
temperature 7	(74.750)	= 74.750 deg. F
temperature 8	(74.990)	= 74.990 deg. F
temperature 9	(75.010)	= 75.010 deg. F
temperature 10	(75.010)	= 75.010 deg. F
temperature 11	(75.000)	= 75.000 deg. F
temperature 12	(75.020)	= 75.020 deg. F
temperature 13	(75.330)	= 75.330 deg. F
temperature 14	(75.520)	= 75.520 deg. F
temperature 15	(76.210)	= 76.210 deg. F
temperature 16	(75.110)	= 75.110 deg. F
temperature 17	(75.310)	= 75.310 deg. F
temperature 18	(74.940)	= 74.940 deg. F
temperature 19	(74.970)	= 74.970 deg. F
temperature 20	(74.750)	= 74.750 deg. F
temperature 21	(73.760)	= 73.760 deg. F
temperature 22	(74.360)	= 74.360 deg. F
temperature 23	(73.020)	= 73.020 deg. F
temperature 24	(75.620)	= 75.620 deg. F
temperature 25	(75.350)	= 75.350 deg. F
temperature 26	(75.330)	= 75.330 deg. F
temperature 27	(73.740)	= 73.740 deg. F
dewpoint 1	(66.210)	= 66.210 deg. F , 0.3186 psia
dewpoint 2	(65.630)	= 65.630 deg. F , 0.3122 psia
dewpoint 3	(65.550)	= 65.550 deg. F , 0.3114 psia
dewpoint 4	(65.620)	= 65.620 deg. F , 0.3121 psia
dewpoint 5	(65.520)	= 65.520 deg. F , 0.3110 psia
dewpoint 6	(65.720)	= 65.720 deg. F , 0.3132 psia
pressure 1	(63.8795)	= 63.8795 psia
pressure 2	(63.8837)	= 63.8837 psia

weighted averages, volume and air mass

temperature	=	74.90112 deg. F
pressure	=	63.88160 psia
vapor pressure	=	0.31197 psia
volume	=	2600000 cu. ft.
dry air mass	=	834537.00 lbm



PVNGS 2 1991 ILRT -- TYPE A TEST

data set , 33

time = 45 date = 1219

sensor	raw data	value
temperature 1	(74.620)	= 74.620 deg. F
temperature 2	(74.680)	= 74.680 deg. F
temperature 3	(74.750)	= 74.750 deg. F
temperature 4	(74.920)	= 74.920 deg. F
temperature 5	(74.780)	= 74.780 deg. F
temperature 6	(74.730)	= 74.730 deg. F
temperature 7	(74.740)	= 74.740 deg. F
temperature 8	(74.970)	= 74.970 deg. F
temperature 9	(74.990)	= 74.990 deg. F
temperature 10	(75.010)	= 75.010 deg. F
temperature 11	(74.970)	= 74.970 deg. F
temperature 12	(75.010)	= 75.010 deg. F
temperature 13	(75.300)	= 75.300 deg. F
temperature 14	(75.450)	= 75.450 deg. F
temperature 15	(76.200)	= 76.200 deg. F
temperature 16	(75.080)	= 75.080 deg. F
temperature 17	(75.290)	= 75.290 deg. F
temperature 18	(74.940)	= 74.940 deg. F
temperature 19	(74.960)	= 74.960 deg. F
temperature 20	(74.750)	= 74.750 deg. F
temperature 21	(73.730)	= 73.730 deg. F
temperature 22	(74.360)	= 74.360 deg. F
temperature 23	(73.010)	= 73.010 deg. F
temperature 24	(75.610)	= 75.610 deg. F
temperature 25	(75.350)	= 75.350 deg. F
temperature 26	(75.330)	= 75.330 deg. F
temperature 27	(73.770)	= 73.770 deg. F
dewpoint 1	(66.140)	= 66.140 deg. F , 0.3178 psia
dewpoint 2	(65.620)	= 65.620 deg. F , 0.3121 psia
dewpoint 3	(65.570)	= 65.570 deg. F , 0.3116 psia
dewpoint 4	(65.590)	= 65.590 deg. F , 0.3118 psia
dewpoint 5	(65.530)	= 65.530 deg. F , 0.3111 psia
dewpoint 6	(65.690)	= 65.690 deg. F , 0.3129 psia
pressure 1	(63.8791)	= 63.8791 psia
pressure 2	(63.8826)	= 63.8826 psia

weighted averages, volume and air mass

temperature	=	74.88605 deg. F
pressure	=	63.88085 psia
vapor pressure	=	0.31189 psia
volume	=	2600000 cu. ft.
dry air mass	=	834551.73 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 34

time = 100 date = 1219

sensor	raw data	value
temperature 1 (74.630)	=	74.630 deg. F
temperature 2 (74.660)	=	74.660 deg. F
temperature 3 (74.750)	=	74.750 deg. F
temperature 4 (74.890)	=	74.890 deg. F
temperature 5 (74.760)	=	74.760 deg. F
temperature 6 (74.710)	=	74.710 deg. F
temperature 7 (74.730)	=	74.730 deg. F
temperature 8 (74.950)	=	74.950 deg. F
temperature 9 (74.980)	=	74.980 deg. F
temperature 10 (74.990)	=	74.990 deg. F
temperature 11 (74.970)	=	74.970 deg. F
temperature 12 (74.950)	=	74.950 deg. F
temperature 13 (75.290)	=	75.290 deg. F
temperature 14 (75.520)	=	75.520 deg. F
temperature 15 (76.200)	=	76.200 deg. F
temperature 16 (75.030)	=	75.030 deg. F
temperature 17 (75.280)	=	75.280 deg. F
temperature 18 (74.920)	=	74.920 deg. F
temperature 19 (74.950)	=	74.950 deg. F
temperature 20 (74.740)	=	74.740 deg. F
temperature 21 (73.720)	=	73.720 deg. F
temperature 22 (74.370)	=	74.370 deg. F
temperature 23 (73.030)	=	73.030 deg. F
temperature 24 (75.590)	=	75.590 deg. F
temperature 25 (75.340)	=	75.340 deg. F
temperature 26 (75.300)	=	75.300 deg. F
temperature 27 (73.780)	=	73.780 deg. F
dewpoint 1 (66.040)	=	66.040 deg. F , 0.3167 psia
dewpoint 2 (65.640)	=	65.640 deg. F , 0.3123 psia
dewpoint 3 (65.530)	=	65.530 deg. F , 0.3111 psia
dewpoint 4 (65.580)	=	65.580 deg. F , 0.3117 psia
dewpoint 5 (65.500)	=	65.500 deg. F , 0.3108 psia
dewpoint 6 (65.680)	=	65.680 deg. F , 0.3128 psia
pressure 1 (63.8765)	=	63.8765 psia
pressure 2 (63.8809)	=	63.8809 psia

weighted averages, volume and air mass

temperature	=	74.87518 deg. F
pressure	=	63.87870 psia
vapor pressure	=	0.31180 psia
volume	=	2600000 cu. ft.
dry air mass	=	834541.63 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 35

time = 115 date = 1219

sensor		raw data		value	
temperature	1	(74.580)	=	74.580 deg. F	
temperature	2	(74.660)	=	74.660 deg. F	
temperature	3	(74.720)	=	74.720 deg. F	
temperature	4	(74.890)	=	74.890 deg. F	
temperature	5	(74.750)	=	74.750 deg. F	
temperature	6	(74.710)	=	74.710 deg. F	
temperature	7	(74.720)	=	74.720 deg. F	
temperature	8	(74.940)	=	74.940 deg. F	
temperature	9	(74.950)	=	74.950 deg. F	
temperature	10	(75.000)	=	75.000 deg. F	
temperature	11	(74.950)	=	74.950 deg. F	
temperature	12	(74.980)	=	74.980 deg. F	
temperature	13	(75.290)	=	75.290 deg. F	
temperature	14	(75.390)	=	75.390 deg. F	
temperature	15	(76.200)	=	76.200 deg. F	
temperature	16	(75.010)	=	75.010 deg. F	
temperature	17	(75.280)	=	75.280 deg. F	
temperature	18	(74.910)	=	74.910 deg. F	
temperature	19	(74.950)	=	74.950 deg. F	
temperature	20	(74.740)	=	74.740 deg. F	
temperature	21	(73.760)	=	73.760 deg. F	
temperature	22	(74.360)	=	74.360 deg. F	
temperature	23	(73.020)	=	73.020 deg. F	
temperature	24	(75.590)	=	75.590 deg. F	
temperature	25	(75.330)	=	75.330 deg. F	
temperature	26	(75.290)	=	75.290 deg. F	
temperature	27	(73.780)	=	73.780 deg. F	
dewpoint	1	(65.970)	=	65.970 deg. F	, 0.3159 psia
dewpoint	2	(65.580)	=	65.580 deg. F	, 0.3117 psia
dewpoint	3	(65.520)	=	65.520 deg. F	, 0.3110 psia
dewpoint	4	(65.580)	=	65.580 deg. F	, 0.3117 psia
dewpoint	5	(65.480)	=	65.480 deg. F	, 0.3106 psia
dewpoint	6	(65.660)	=	65.660 deg. F	, 0.3125 psia
pressure	1	(63.8752)	=	63.8752 psia	
pressure	2	(63.8793)	=	63.8793 psia	

weighted averages, volume and air mass

temperature	=	74.86414 deg. F
pressure	=	63.87725 psia
vapor pressure	=	0.31149 psia
volume	=	2600000 cu. ft.
dry air mass	=	834543.91 lbm



PVNGS 2 1991 ILRT -- TYPE A TEST

data set 36

time = 130 date = 1219

sensor	raw data	value
temperature 1	(74.600)	= 74.600 deg. F
temperature 2	(74.650)	= 74.650 deg. F
temperature 3	(74.730)	= 74.730 deg. F
temperature 4	(74.900)	= 74.900 deg. F
temperature 5	(74.730)	= 74.730 deg. F
temperature 6	(74.700)	= 74.700 deg. F
temperature 7	(74.710)	= 74.710 deg. F
temperature 8	(74.920)	= 74.920 deg. F
temperature 9	(74.970)	= 74.970 deg. F
temperature 10	(74.970)	= 74.970 deg. F
temperature 11	(74.940)	= 74.940 deg. F
temperature 12	(75.000)	= 75.000 deg. F
temperature 13	(75.280)	= 75.280 deg. F
temperature 14	(75.430)	= 75.430 deg. F
temperature 15	(76.180)	= 76.180 deg. F
temperature 16	(75.040)	= 75.040 deg. F
temperature 17	(75.280)	= 75.280 deg. F
temperature 18	(74.920)	= 74.920 deg. F
temperature 19	(74.950)	= 74.950 deg. F
temperature 20	(74.740)	= 74.740 deg. F
temperature 21	(73.740)	= 73.740 deg. F
temperature 22	(74.360)	= 74.360 deg. F
temperature 23	(73.030)	= 73.030 deg. F
temperature 24	(75.570)	= 75.570 deg. F
temperature 25	(75.320)	= 75.320 deg. F
temperature 26	(75.270)	= 75.270 deg. F
temperature 27	(73.770)	= 73.770 deg. F
dewpoint 1	(65.950)	= 65.950 deg. F , 0.3157 psia
dewpoint 2	(65.560)	= 65.560 deg. F , 0.3115 psia
dewpoint 3	(65.520)	= 65.520 deg. F , 0.3110 psia
dewpoint 4	(65.550)	= 65.550 deg. F , 0.3114 psia
dewpoint 5	(65.480)	= 65.480 deg. F , 0.3106 psia
dewpoint 6	(65.650)	= 65.650 deg. F , 0.3124 psia
pressure 1	(63.8750)	= 63.8750 psia
pressure 2	(63.8785)	= 63.8785 psia

weighted averages, volume and air mass

temperature	=	74.86366 deg. F
pressure	=	63.87675 psia
vapor pressure	=	0.31135 psia
volume	=	2600000 cu. ft.
dry air mass	=	834540.04 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 37

time = 145 date = 1219

sensor		raw data		value	
temperature	1	(74.590)	=	74.590	deg. F
temperature	2	(74.640)	=	74.640	deg. F
temperature	3	(74.720)	=	74.720	deg. F
temperature	4	(74.860)	=	74.860	deg. F
temperature	5	(74.720)	=	74.720	deg. F
temperature	6	(74.700)	=	74.700	deg. F
temperature	7	(74.700)	=	74.700	deg. F
temperature	8	(74.930)	=	74.930	deg. F
temperature	9	(74.960)	=	74.960	deg. F
temperature	10	(74.970)	=	74.970	deg. F
temperature	11	(74.950)	=	74.950	deg. F
temperature	12	(75.000)	=	75.000	deg. F
temperature	13	(75.260)	=	75.260	deg. F
temperature	14	(75.540)	=	75.540	deg. F
temperature	15	(76.170)	=	76.170	deg. F
temperature	16	(75.010)	=	75.010	deg. F
temperature	17	(75.260)	=	75.260	deg. F
temperature	18	(74.910)	=	74.910	deg. F
temperature	19	(74.940)	=	74.940	deg. F
temperature	20	(74.730)	=	74.730	deg. F
temperature	21	(73.750)	=	73.750	deg. F
temperature	22	(74.370)	=	74.370	deg. F
temperature	23	(73.030)	=	73.030	deg. F
temperature	24	(75.570)	=	75.570	deg. F
temperature	25	(75.310)	=	75.310	deg. F
temperature	26	(75.270)	=	75.270	deg. F
temperature	27	(73.780)	=	73.780	deg. F
dewpoint	1	(65.830)	=	65.830	deg. F , 0.3144 psia
dewpoint	2	(65.570)	=	65.570	deg. F , 0.3116 psia
dewpoint	3	(65.480)	=	65.480	deg. F , 0.3106 psia
dewpoint	4	(65.530)	=	65.530	deg. F , 0.3111 psia
dewpoint	5	(65.430)	=	65.430	deg. F , 0.3101 psia
dewpoint	6	(65.630)	=	65.630	deg. F , 0.3122 psia
pressure	1	(63.8738)	=	63.8738	psia
pressure	2	(63.8775)	=	63.8775	psia

weighted averages, volume and air mass

temperature	=	74.86108	deg. F
pressure	=	63.87565	psia
vapor pressure	=	0.31115	psia
volume	=	2600000	cu. ft.
dry air mass	=	834532.11	lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 38

time = 200 date = 1219

sensor	raw data	value
temperature 1	(74.520)	= 74.520 deg. F
temperature 2	(74.630)	= 74.630 deg. F
temperature 3	(74.700)	= 74.700 deg. F
temperature 4	(74.860)	= 74.860 deg. F
temperature 5	(74.750)	= 74.750 deg. F
temperature 6	(74.680)	= 74.680 deg. F
temperature 7	(74.680)	= 74.680 deg. F
temperature 8	(74.920)	= 74.920 deg. F
temperature 9	(74.950)	= 74.950 deg. F
temperature 10	(74.980)	= 74.980 deg. F
temperature 11	(74.980)	= 74.980 deg. F
temperature 12	(74.970)	= 74.970 deg. F
temperature 13	(75.270)	= 75.270 deg. F
temperature 14	(75.560)	= 75.560 deg. F
temperature 15	(76.160)	= 76.160 deg. F
temperature 16	(75.020)	= 75.020 deg. F
temperature 17	(75.260)	= 75.260 deg. F
temperature 18	(74.890)	= 74.890 deg. F
temperature 19	(74.940)	= 74.940 deg. F
temperature 20	(74.730)	= 74.730 deg. F
temperature 21	(73.730)	= 73.730 deg. F
temperature 22	(74.360)	= 74.360 deg. F
temperature 23	(73.040)	= 73.040 deg. F
temperature 24	(75.550)	= 75.550 deg. F
temperature 25	(75.310)	= 75.310 deg. F
temperature 26	(75.250)	= 75.250 deg. F
temperature 27	(73.790)	= 73.790 deg. F
dewpoint 1	(65.890)	= 65.890 deg. F , 0.3151 psia
dewpoint 2	(65.560)	= 65.560 deg. F , 0.3115 psia
dewpoint 3	(65.460)	= 65.460 deg. F , 0.3104 psia
dewpoint 4	(65.520)	= 65.520 deg. F , 0.3110 psia
dewpoint 5	(65.420)	= 65.420 deg. F , 0.3100 psia
dewpoint 6	(65.600)	= 65.600 deg. F , 0.3119 psia
pressure 1	(63.8724)	= 63.8724 psia
pressure 2	(63.8758)	= 63.8758 psia

weighted averages, volume and air mass

temperature	=	74.85614 deg. F
pressure	=	63.87410 psia
vapor pressure	=	0.31100 psia
volume	=	2600000 cu. ft.
dry air mass	=	834521.54 lbm



PVNGS 2 1991 ILRT -- TYPE A TEST

data set 39

time = 215 date = 1219

sensor		raw data	=	value	
temperature	1	(74.590)	=	74.590	deg. F
temperature	2	(74.620)	=	74.620	deg. F
temperature	3	(74.720)	=	74.720	deg. F
temperature	4	(74.860)	=	74.860	deg. F
temperature	5	(74.720)	=	74.720	deg. F
temperature	6	(74.660)	=	74.660	deg. F
temperature	7	(74.670)	=	74.670	deg. F
temperature	8	(74.890)	=	74.890	deg. F
temperature	9	(74.950)	=	74.950	deg. F
temperature	10	(74.950)	=	74.950	deg. F
temperature	11	(74.920)	=	74.920	deg. F
temperature	12	(74.940)	=	74.940	deg. F
temperature	13	(75.270)	=	75.270	deg. F
temperature	14	(75.390)	=	75.390	deg. F
temperature	15	(76.160)	=	76.160	deg. F
temperature	16	(75.030)	=	75.030	deg. F
temperature	17	(75.240)	=	75.240	deg. F
temperature	18	(74.890)	=	74.890	deg. F
temperature	19	(74.940)	=	74.940	deg. F
temperature	20	(74.730)	=	74.730	deg. F
temperature	21	(73.730)	=	73.730	deg. F
temperature	22	(74.360)	=	74.360	deg. F
temperature	23	(73.040)	=	73.040	deg. F
temperature	24	(75.570)	=	75.570	deg. F
temperature	25	(75.290)	=	75.290	deg. F
temperature	26	(75.260)	=	75.260	deg. F
temperature	27	(73.770)	=	73.770	deg. F
dewpoint	1	(65.670)	=	65.670	deg. F , 0.3127 psia
dewpoint	2	(65.510)	=	65.510	deg. F , 0.3109 psia
dewpoint	3	(65.440)	=	65.440	deg. F , 0.3102 psia
dewpoint	4	(65.510)	=	65.510	deg. F , 0.3109 psia
dewpoint	5	(65.430)	=	65.430	deg. F , 0.3101 psia
dewpoint	6	(65.590)	=	65.590	deg. F , 0.3118 psia
pressure	1	(63.8707)	=	63.8707	psia
pressure	2	(63.8742)	=	63.8742	psia

weighted averages, volume and air mass

temperature	=	74.84146	deg. F
pressure	=	63.87245	psia
vapor pressure	=	0.31075	psia
volume	=	2600000	cu. ft.
dry air mass	=	834526.11	lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 40

time = 230 date = 1219

sensor		raw data		value	
temperature	1	(74.570)	=	74.570 deg. F	
temperature	2	(74.620)	=	74.620 deg. F	
temperature	3	(74.660)	=	74.660 deg. F	
temperature	4	(74.850)	=	74.850 deg. F	
temperature	5	(74.680)	=	74.680 deg. F	
temperature	6	(74.660)	=	74.660 deg. F	
temperature	7	(74.680)	=	74.680 deg. F	
temperature	8	(74.900)	=	74.900 deg. F	
temperature	9	(74.920)	=	74.920 deg. F	
temperature	10	(74.950)	=	74.950 deg. F	
temperature	11	(74.910)	=	74.910 deg. F	
temperature	12	(74.930)	=	74.930 deg. F	
temperature	13	(75.240)	=	75.240 deg. F	
temperature	14	(75.410)	=	75.410 deg. F	
temperature	15	(76.170)	=	76.170 deg. F	
temperature	16	(74.970)	=	74.970 deg. F	
temperature	17	(75.220)	=	75.220 deg. F	
temperature	18	(74.870)	=	74.870 deg. F	
temperature	19	(74.930)	=	74.930 deg. F	
temperature	20	(74.720)	=	74.720 deg. F	
temperature	21	(73.720)	=	73.720 deg. F	
temperature	22	(74.360)	=	74.360 deg. F	
temperature	23	(73.050)	=	73.050 deg. F	
temperature	24	(75.550)	=	75.550 deg. F	
temperature	25	(75.280)	=	75.280 deg. F	
temperature	26	(75.250)	=	75.250 deg. F	
temperature	27	(73.770)	=	73.770 deg. F	
dewpoint	1	(65.820)	=	65.820 deg. F	0.3143 psia
dewpoint	2	(65.510)	=	65.510 deg. F	0.3109 psia
dewpoint	3	(65.370)	=	65.370 deg. F	0.3094 psia
dewpoint	4	(65.500)	=	65.500 deg. F	0.3108 psia
dewpoint	5	(65.380)	=	65.380 deg. F	0.3095 psia
dewpoint	6	(65.570)	=	65.570 deg. F	0.3116 psia
pressure	1	(63.8698)	=	63.8698 psia	
pressure	2	(63.8731)	=	63.8731 psia	

weighted averages, volume and air mass

temperature	=	74.82897 deg. F
pressure	=	63.87145 psia
vapor pressure	=	0.31047 psia
volume	=	2600000 cu. ft.
dry air mass	=	834536.10 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 41

time = 245 date = 1219

sensor		raw data	value
temperature	1 (74.530)	=	74.530 deg. F
temperature	2 (74.610)	=	74.610 deg. F
temperature	3 (74.670)	=	74.670 deg. F
temperature	4 (74.850)	=	74.850 deg. F
temperature	5 (74.680)	=	74.680 deg. F
temperature	6 (74.640)	=	74.640 deg. F
temperature	7 (74.660)	=	74.660 deg. F
temperature	8 (74.880)	=	74.880 deg. F
temperature	9 (74.920)	=	74.920 deg. F
temperature	10 (74.940)	=	74.940 deg. F
temperature	11 (74.910)	=	74.910 deg. F
temperature	12 (74.890)	=	74.890 deg. F
temperature	13 (75.220)	=	75.220 deg. F
temperature	14 (75.440)	=	75.440 deg. F
temperature	15 (76.140)	=	76.140 deg. F
temperature	16 (74.980)	=	74.980 deg. F
temperature	17 (75.220)	=	75.220 deg. F
temperature	18 (74.870)	=	74.870 deg. F
temperature	19 (74.920)	=	74.920 deg. F
temperature	20 (74.720)	=	74.720 deg. F
temperature	21 (73.720)	=	73.720 deg. F
temperature	22 (74.370)	=	74.370 deg. F
temperature	23 (73.050)	=	73.050 deg. F
temperature	24 (75.540)	=	75.540 deg. F
temperature	25 (75.270)	=	75.270 deg. F
temperature	26 (75.240)	=	75.240 deg. F
temperature	27 (73.810)	=	73.810 deg. F
dewpoint	1 (65.700)	=	65.700 deg. F , 0.3130 psia
dewpoint	2 (65.480)	=	65.480 deg. F , 0.3106 psia
dewpoint	3 (65.400)	=	65.400 deg. F , 0.3097 psia
dewpoint	4 (65.480)	=	65.480 deg. F , 0.3106 psia
dewpoint	5 (65.410)	=	65.410 deg. F , 0.3098 psia
dewpoint	6 (65.560)	=	65.560 deg. F , 0.3115 psia
pressure	1 (63.8682)	=	63.8682 psia
pressure	2 (63.8710)	=	63.8710 psia

weighted averages, volume and air mass

temperature	=	74.82149 deg. F
pressure	=	63.86960 psia
vapor pressure	=	0.31042 psia
volume	=	2600000 cu. ft.
dry air mass	=	834524.16 lbm



PVNGS 2 1991 ILRT -- TYPE A TEST

data set 42

time = 300 date = 1219

sensor		raw data		value	
temperature	1	(74.560)	=	74.560	deg. F
temperature	2	(74.610)	=	74.610	deg. F
temperature	3	(74.700)	=	74.700	deg. F
temperature	4	(74.820)	=	74.820	deg. F
temperature	5	(74.670)	=	74.670	deg. F
temperature	6	(74.630)	=	74.630	deg. F
temperature	7	(74.650)	=	74.650	deg. F
temperature	8	(74.870)	=	74.870	deg. F
temperature	9	(74.900)	=	74.900	deg. F
temperature	10	(74.910)	=	74.910	deg. F
temperature	11	(74.890)	=	74.890	deg. F
temperature	12	(74.890)	=	74.890	deg. F
temperature	13	(75.220)	=	75.220	deg. F
temperature	14	(75.320)	=	75.320	deg. F
temperature	15	(76.150)	=	76.150	deg. F
temperature	16	(74.930)	=	74.930	deg. F
temperature	17	(75.210)	=	75.210	deg. F
temperature	18	(74.850)	=	74.850	deg. F
temperature	19	(74.920)	=	74.920	deg. F
temperature	20	(74.720)	=	74.720	deg. F
temperature	21	(73.710)	=	73.710	deg. F
temperature	22	(74.370)	=	74.370	deg. F
temperature	23	(73.050)	=	73.050	deg. F
temperature	24	(75.530)	=	75.530	deg. F
temperature	25	(75.280)	=	75.280	deg. F
temperature	26	(75.230)	=	75.230	deg. F
temperature	27	(73.770)	=	73.770	deg. F
dewpoint	1	(65.720)	=	65.720	deg. F , 0.3132 psia
dewpoint	2	(65.480)	=	65.480	deg. F , 0.3106 psia
dewpoint	3	(65.430)	=	65.430	deg. F , 0.3101 psia
dewpoint	4	(65.450)	=	65.450	deg. F , 0.3103 psia
dewpoint	5	(65.330)	=	65.330	deg. F , 0.3090 psia
dewpoint	6	(65.540)	=	65.540	deg. F , 0.3112 psia
pressure	1	(63.8664)	=	63.8664	psia
pressure	2	(63.8693)	=	63.8693	psia

weighted averages, volume and air mass

temperature	=	74.80840 deg. F
pressure	=	63.86785 psia
vapor pressure	=	0.31027 psia
volume	=	2600000 cu. ft.
dry air mass	=	834523.58 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 43

time = 315 date = 1219

sensor	raw data	value
temperature 1	(74.530)	= 74.530 deg. F
temperature 2	(74.560)	= 74.560 deg. F
temperature 3	(74.670)	= 74.670 deg. F
temperature 4	(74.820)	= 74.820 deg. F
temperature 5	(74.700)	= 74.700 deg. F
temperature 6	(74.630)	= 74.630 deg. F
temperature 7	(74.630)	= 74.630 deg. F
temperature 8	(74.870)	= 74.870 deg. F
temperature 9	(74.880)	= 74.880 deg. F
temperature 10	(74.920)	= 74.920 deg. F
temperature 11	(74.890)	= 74.890 deg. F
temperature 12	(74.900)	= 74.900 deg. F
temperature 13	(75.180)	= 75.180 deg. F
temperature 14	(75.500)	= 75.500 deg. F
temperature 15	(76.110)	= 76.110 deg. F
temperature 16	(74.940)	= 74.940 deg. F
temperature 17	(75.200)	= 75.200 deg. F
temperature 18	(74.850)	= 74.850 deg. F
temperature 19	(74.920)	= 74.920 deg. F
temperature 20	(74.710)	= 74.710 deg. F
temperature 21	(73.720)	= 73.720 deg. F
temperature 22	(74.360)	= 74.360 deg. F
temperature 23	(73.050)	= 73.050 deg. F
temperature 24	(75.520)	= 75.520 deg. F
temperature 25	(75.270)	= 75.270 deg. F
temperature 26	(75.240)	= 75.240 deg. F
temperature 27	(73.770)	= 73.770 deg. F
dewpoint 1	(65.640)	= 65.640 deg. F , 0.3123 psia
dewpoint 2	(65.450)	= 65.450 deg. F , 0.3103 psia
dewpoint 3	(65.400)	= 65.400 deg. F , 0.3097 psia
dewpoint 4	(65.440)	= 65.440 deg. F , 0.3102 psia
dewpoint 5	(65.360)	= 65.360 deg. F , 0.3093 psia
dewpoint 6	(65.530)	= 65.530 deg. F , 0.3111 psia
pressure 1	(63.8644)	= 63.8644 psia
pressure 2	(63.8680)	= 63.8680 psia

weighted averages, volume and air mass

temperature	=	74.80807 deg. F
pressure	=	63.86620 psia
vapor pressure	=	0.31011 psia
volume	=	2600000 cu. ft.
dry air mass	=	834504.55 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 44

time = 330 date = 1219

sensor	raw data	value
temperature 1	(74.520)	= 74.520 deg. F
temperature 2	(74.560)	= 74.560 deg. F
temperature 3	(74.650)	= 74.650 deg. F
temperature 4	(74.800)	= 74.800 deg. F
temperature 5	(74.650)	= 74.650 deg. F
temperature 6	(74.610)	= 74.610 deg. F
temperature 7	(74.630)	= 74.630 deg. F
temperature 8	(74.860)	= 74.860 deg. F
temperature 9	(74.890)	= 74.890 deg. F
temperature 10	(74.890)	= 74.890 deg. F
temperature 11	(74.850)	= 74.850 deg. F
temperature 12	(74.890)	= 74.890 deg. F
temperature 13	(75.200)	= 75.200 deg. F
temperature 14	(75.400)	= 75.400 deg. F
temperature 15	(76.110)	= 76.110 deg. F
temperature 16	(74.940)	= 74.940 deg. F
temperature 17	(75.210)	= 75.210 deg. F
temperature 18	(74.840)	= 74.840 deg. F
temperature 19	(74.920)	= 74.920 deg. F
temperature 20	(74.710)	= 74.710 deg. F
temperature 21	(73.730)	= 73.730 deg. F
temperature 22	(74.360)	= 74.360 deg. F
temperature 23	(73.050)	= 73.050 deg. F
temperature 24	(75.510)	= 75.510 deg. F
temperature 25	(75.250)	= 75.250 deg. F
temperature 26	(75.220)	= 75.220 deg. F
temperature 27	(73.780)	= 73.780 deg. F
dewpoint 1	(65.790)	= 65.790 deg. F , 0.3140 psia
dewpoint 2	(65.440)	= 65.440 deg. F , 0.3102 psia
dewpoint 3	(65.380)	= 65.380 deg. F , 0.3095 psia
dewpoint 4	(65.420)	= 65.420 deg. F , 0.3100 psia
dewpoint 5	(65.310)	= 65.310 deg. F , 0.3088 psia
dewpoint 6	(65.520)	= 65.520 deg. F , 0.3110 psia
pressure 1	(63.8625)	= 63.8625 psia
pressure 2	(63.8664)	= 63.8664 psia

weighted averages, volume and air mass

temperature	=	74.79552 deg. F
pressure	=	63.86445 psia
vapor pressure	=	0.30989 psia
volume	=	2600000 cu. ft.
dry air mass	=	834503.96 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 45

time = 345 date = 1219

sensor		raw data	value
temperature	1 (74.510)	=	74.510 deg. F
temperature	2 (74.560)	=	74.560 deg. F
temperature	3 (74.630)	=	74.630 deg. F
temperature	4 (74.780)	=	74.780 deg. F
temperature	5 (74.650)	=	74.650 deg. F
temperature	6 (74.630)	=	74.630 deg. F
temperature	7 (74.610)	=	74.610 deg. F
temperature	8 (74.840)	=	74.840 deg. F
temperature	9 (74.880)	=	74.880 deg. F
temperature	10 (74.880)	=	74.880 deg. F
temperature	11 (74.860)	=	74.860 deg. F
temperature	12 (74.860)	=	74.860 deg. F
temperature	13 (75.160)	=	75.160 deg. F
temperature	14 (75.430)	=	75.430 deg. F
temperature	15 (76.110)	=	76.110 deg. F
temperature	16 (74.920)	=	74.920 deg. F
temperature	17 (75.180)	=	75.180 deg. F
temperature	18 (74.840)	=	74.840 deg. F
temperature	19 (74.910)	=	74.910 deg. F
temperature	20 (74.700)	=	74.700 deg. F
temperature	21 (73.720)	=	73.720 deg. F
temperature	22 (74.360)	=	74.360 deg. F
temperature	23 (73.060)	=	73.060 deg. F
temperature	24 (75.500)	=	75.500 deg. F
temperature	25 (75.250)	=	75.250 deg. F
temperature	26 (75.220)	=	75.220 deg. F
temperature	27 (73.790)	=	73.790 deg. F
dewpoint	1 (65.680)	=	65.680 deg. F , 0.3128 psia
dewpoint	2 (65.410)	=	65.410 deg. F , 0.3098 psia
dewpoint	3 (65.380)	=	65.380 deg. F , 0.3095 psia
dewpoint	4 (65.410)	=	65.410 deg. F , 0.3098 psia
dewpoint	5 (65.330)	=	65.330 deg. F , 0.3090 psia
dewpoint	6 (65.500)	=	65.500 deg. F , 0.3108 psia
pressure	1 (63.8610)	=	63.8610 psia
pressure	2 (63.8650)	=	63.8650 psia

weighted averages, volume and air mass

temperature	=	74.78685 deg. F
pressure	=	63.86300 psia
vapor pressure	=	0.30977 psia
volume	=	2600000 cu. ft.
dry air mass	=	834500.13 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 46

time = 400 date = 1219

sensor		raw data		value		
temperature	1	(	74.490)	=	74.490	deg. F
temperature	2	(	74.560)	=	74.560	deg. F
temperature	3	(	74.630)	=	74.630	deg. F
temperature	4	(	74.790)	=	74.790	deg. F
temperature	5	(	74.640)	=	74.640	deg. F
temperature	6	(	74.600)	=	74.600	deg. F
temperature	7	(	74.600)	=	74.600	deg. F
temperature	8	(	74.830)	=	74.830	deg. F
temperature	9	(	74.870)	=	74.870	deg. F
temperature	10	(	74.880)	=	74.880	deg. F
temperature	11	(	74.830)	=	74.830	deg. F
temperature	12	(	74.900)	=	74.900	deg. F
temperature	13	(	75.180)	=	75.180	deg. F
temperature	14	(	75.430)	=	75.430	deg. F
temperature	15	(	76.090)	=	76.090	deg. F
temperature	16	(	74.940)	=	74.940	deg. F
temperature	17	(	75.200)	=	75.200	deg. F
temperature	18	(	74.840)	=	74.840	deg. F
temperature	19	(	74.910)	=	74.910	deg. F
temperature	20	(	74.700)	=	74.700	deg. F
temperature	21	(	73.730)	=	73.730	deg. F
temperature	22	(	74.360)	=	74.360	deg. F
temperature	23	(	73.060)	=	73.060	deg. F
temperature	24	(	75.510)	=	75.510	deg. F
temperature	25	(	75.250)	=	75.250	deg. F
temperature	26	(	75.200)	=	75.200	deg. F
temperature	27	(	73.800)	=	73.800	deg. F
dewpoint	1	(	65.820)	=	65.820	deg. F , 0.3143 psia
dewpoint	2	(	65.420)	=	65.420	deg. F , 0.3100 psia
dewpoint	3	(	65.320)	=	65.320	deg. F , 0.3089 psia
dewpoint	4	(	65.400)	=	65.400	deg. F , 0.3097 psia
dewpoint	5	(	65.330)	=	65.330	deg. F , 0.3090 psia
dewpoint	6	(	65.480)	=	65.480	deg. F , 0.3106 psia
pressure	1	(	63.8602)	=	63.8602	psia
pressure	2	(	63.8636)	=	63.8636	psia

weighted averages, volume and air mass

temperature	=	74.78615	deg. F
pressure	=	63.86190	psia
vapor pressure	=	0.30963	psia
volume	=	2600000	cu. ft.
dry air mass	=	834488.59	lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 47

time = 415 date = 1219

sensor		raw data	=	value	
temperature	1	(74.510)	=	74.510	deg. F
temperature	2	(74.560)	=	74.560	deg. F
temperature	3	(74.610)	=	74.610	deg. F
temperature	4	(74.780)	=	74.780	deg. F
temperature	5	(74.640)	=	74.640	deg. F
temperature	6	(74.590)	=	74.590	deg. F
temperature	7	(74.600)	=	74.600	deg. F
temperature	8	(74.820)	=	74.820	deg. F
temperature	9	(74.850)	=	74.850	deg. F
temperature	10	(74.850)	=	74.850	deg. F
temperature	11	(74.850)	=	74.850	deg. F
temperature	12	(74.860)	=	74.860	deg. F
temperature	13	(75.170)	=	75.170	deg. F
temperature	14	(75.310)	=	75.310	deg. F
temperature	15	(76.070)	=	76.070	deg. F
temperature	16	(74.950)	=	74.950	deg. F
temperature	17	(75.180)	=	75.180	deg. F
temperature	18	(74.830)	=	74.830	deg. F
temperature	19	(74.900)	=	74.900	deg. F
temperature	20	(74.700)	=	74.700	deg. F
temperature	21	(73.730)	=	73.730	deg. F
temperature	22	(74.360)	=	74.360	deg. F
temperature	23	(73.060)	=	73.060	deg. F
temperature	24	(75.500)	=	75.500	deg. F
temperature	25	(75.250)	=	75.250	deg. F
temperature	26	(75.200)	=	75.200	deg. F
temperature	27	(73.800)	=	73.800	deg. F
dewpoint	1	(65.680)	=	65.680	deg. F , 0.3128 psia
dewpoint	2	(65.390)	=	65.390	deg. F , 0.3096 psia
dewpoint	3	(65.300)	=	65.300	deg. F , 0.3087 psia
dewpoint	4	(65.390)	=	65.390	deg. F , 0.3096 psia
dewpoint	5	(65.300)	=	65.300	deg. F , 0.3087 psia
dewpoint	6	(65.460)	=	65.460	deg. F , 0.3104 psia
pressure	1	(63.8588)	=	63.8588	psia
pressure	2	(63.8624)	=	63.8624	psia

weighted averages, volume and air mass

temperature	=	74.77327	deg. F
pressure	=	63.86060	psia
vapor pressure	=	0.30938	psia
volume	=	2600000	cu. ft.
dry air mass	=	834494.90	lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 48

time = 430 date = 1219

sensor		raw data		value	
temperature	1	(74.490)	=	74.490 deg. F	
temperature	2	(74.530)	=	74.530 deg. F	
temperature	3	(74.610)	=	74.610 deg. F	
temperature	4	(74.790)	=	74.790 deg. F	
temperature	5	(74.640)	=	74.640 deg. F	
temperature	6	(74.580)	=	74.580 deg. F	
temperature	7	(74.590)	=	74.590 deg. F	
temperature	8	(74.820)	=	74.820 deg. F	
temperature	9	(74.850)	=	74.850 deg. F	
temperature	10	(74.860)	=	74.860 deg. F	
temperature	11	(74.830)	=	74.830 deg. F	
temperature	12	(74.830)	=	74.830 deg. F	
temperature	13	(75.170)	=	75.170 deg. F	
temperature	14	(75.220)	=	75.220 deg. F	
temperature	15	(76.060)	=	76.060 deg. F	
temperature	16	(74.920)	=	74.920 deg. F	
temperature	17	(75.170)	=	75.170 deg. F	
temperature	18	(74.820)	=	74.820 deg. F	
temperature	19	(74.900)	=	74.900 deg. F	
temperature	20	(74.700)	=	74.700 deg. F	
temperature	21	(73.730)	=	73.730 deg. F	
temperature	22	(74.360)	=	74.360 deg. F	
temperature	23	(73.070)	=	73.070 deg. F	
temperature	24	(75.520)	=	75.520 deg. F	
temperature	25	(75.250)	=	75.250 deg. F	
temperature	26	(75.200)	=	75.200 deg. F	
temperature	27	(73.790)	=	73.790 deg. F	
dewpoint	1	(65.680)	=	65.680 deg. F	, 0.3128 psia
dewpoint	2	(65.390)	=	65.390 deg. F	, 0.3096 psia
dewpoint	3	(65.330)	=	65.330 deg. F	, 0.3090 psia
dewpoint	4	(65.360)	=	65.360 deg. F	, 0.3093 psia
dewpoint	5	(65.310)	=	65.310 deg. F	, 0.3088 psia
dewpoint	6	(65.440)	=	65.440 deg. F	, 0.3102 psia
pressure	1	(63.8572)	=	63.8572 psia	
pressure	2	(63.8612)	=	63.8612 psia	

weighted averages, volume and air mass

temperature	=	74.76344 deg. F
pressure	=	63.85920 psia
vapor pressure	=	0.30938 psia
volume	=	2600000 cu. ft.
dry air mass	=	834491.91 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 49

time = 445 date = 1219

sensor	raw data	value
temperature 1	(74.470)	= 74.470 deg. F
temperature 2	(74.520)	= 74.520 deg. F
temperature 3	(74.590)	= 74.590 deg. F
temperature 4	(74.770)	= 74.770 deg. F
temperature 5	(74.630)	= 74.630 deg. F
temperature 6	(74.570)	= 74.570 deg. F
temperature 7	(74.590)	= 74.590 deg. F
temperature 8	(74.820)	= 74.820 deg. F
temperature 9	(74.830)	= 74.830 deg. F
temperature 10	(74.840)	= 74.840 deg. F
temperature 11	(74.810)	= 74.810 deg. F
temperature 12	(74.840)	= 74.840 deg. F
temperature 13	(75.150)	= 75.150 deg. F
temperature 14	(75.300)	= 75.300 deg. F
temperature 15	(76.060)	= 76.060 deg. F
temperature 16	(74.910)	= 74.910 deg. F
temperature 17	(75.160)	= 75.160 deg. F
temperature 18	(74.820)	= 74.820 deg. F
temperature 19	(74.900)	= 74.900 deg. F
temperature 20	(74.690)	= 74.690 deg. F
temperature 21	(73.730)	= 73.730 deg. F
temperature 22	(74.370)	= 74.370 deg. F
temperature 23	(73.070)	= 73.070 deg. F
temperature 24	(75.490)	= 75.490 deg. F
temperature 25	(75.230)	= 75.230 deg. F
temperature 26	(75.180)	= 75.180 deg. F
temperature 27	(73.790)	= 73.790 deg. F
dewpoint 1	(65.650)	= 65.650 deg. F , 0.3124 psia
dewpoint 2	(65.360)	= 65.360 deg. F , 0.3093 psia
dewpoint 3	(65.290)	= 65.290 deg. F , 0.3086 psia
dewpoint 4	(65.340)	= 65.340 deg. F , 0.3091 psia
dewpoint 5	(65.250)	= 65.250 deg. F , 0.3081 psia
dewpoint 6	(65.430)	= 65.430 deg. F , 0.3101 psia
pressure 1	(63.8563)	= 63.8563 psia
pressure 2	(63.8604)	= 63.8604 psia

weighted averages, volume and air mass

temperature	=	74.75807 deg. F
pressure	=	63.85835 psia
vapor pressure	=	0.30903 psia
volume	=	2600000 cu. ft.
dry air mass	=	834493.73 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

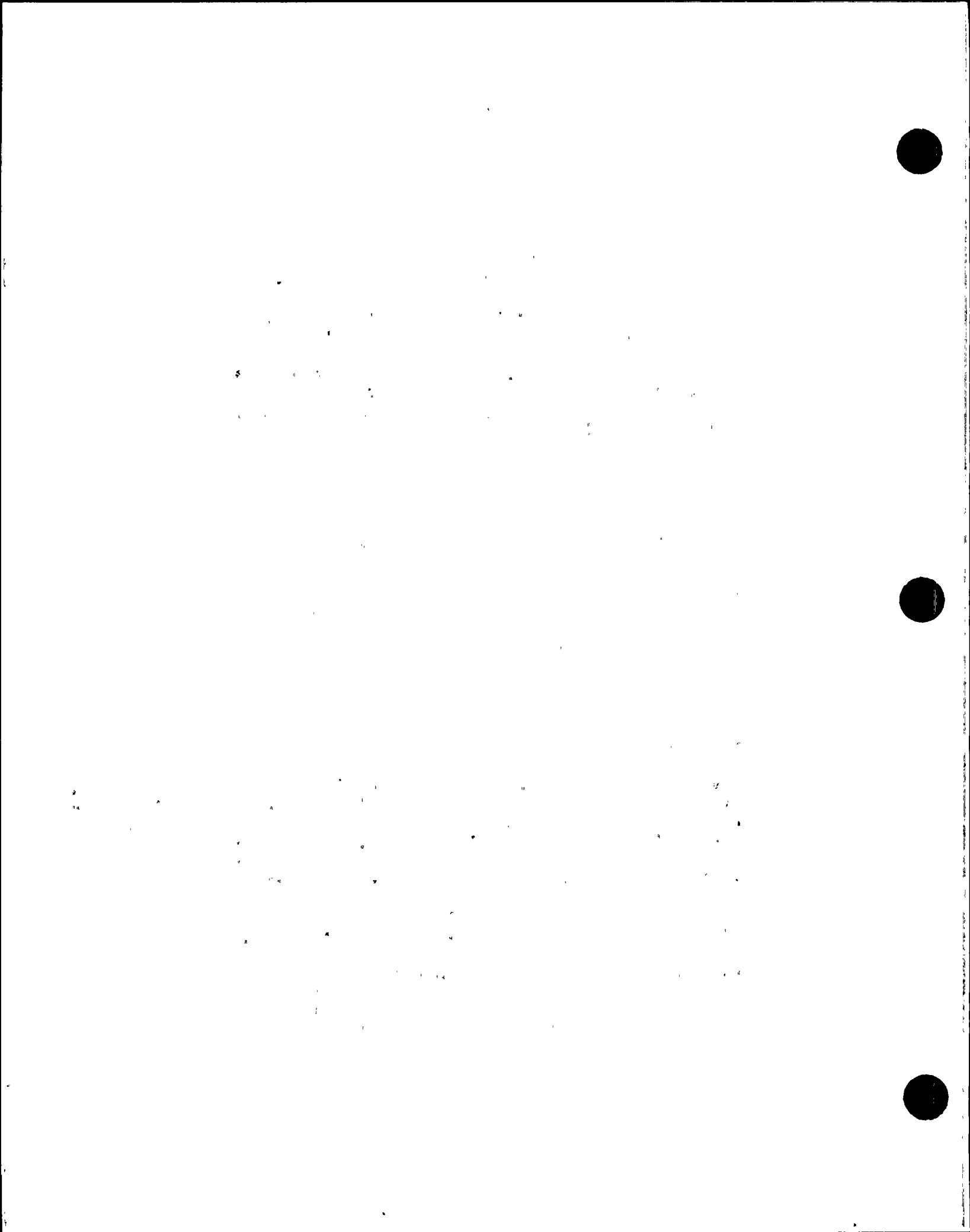
data set 50

time = 500 date = 1219

sensor	raw data	value
temperature 1	(74.460)	= 74.460 deg. F
temperature 2	(74.530)	= 74.530 deg. F
temperature 3	(74.590)	= 74.590 deg. F
temperature 4	(74.760)	= 74.760 deg. F
temperature 5	(74.620)	= 74.620 deg. F
temperature 6	(74.570)	= 74.570 deg. F
temperature 7	(74.580)	= 74.580 deg. F
temperature 8	(74.810)	= 74.810 deg. F
temperature 9	(74.830)	= 74.830 deg. F
temperature 10	(74.840)	= 74.840 deg. F
temperature 11	(74.820)	= 74.820 deg. F
temperature 12	(74.860)	= 74.860 deg. F
temperature 13	(75.140)	= 75.140 deg. F
temperature 14	(75.330)	= 75.330 deg. F
temperature 15	(76.080)	= 76.080 deg. F
temperature 16	(74.900)	= 74.900 deg. F
temperature 17	(75.140)	= 75.140 deg. F
temperature 18	(74.810)	= 74.810 deg. F
temperature 19	(74.890)	= 74.890 deg. F
temperature 20	(74.700)	= 74.700 deg. F
temperature 21	(73.710)	= 73.710 deg. F
temperature 22	(74.370)	= 74.370 deg. F
temperature 23	(73.070)	= 73.070 deg. F
temperature 24	(75.470)	= 75.470 deg. F
temperature 25	(75.220)	= 75.220 deg. F
temperature 26	(75.200)	= 75.200 deg. F
temperature 27	(73.800)	= 73.800 deg. F
dewpoint 1	(65.690)	= 65.690 deg. F , 0.3129 psia
dewpoint 2	(65.370)	= 65.370 deg. F , 0.3094 psia
dewpoint 3	(65.280)	= 65.280 deg. F , 0.3084 psia
dewpoint 4	(65.310)	= 65.310 deg. F , 0.3088 psia
dewpoint 5	(65.260)	= 65.260 deg. F , 0.3082 psia
dewpoint 6	(65.430)	= 65.430 deg. F , 0.3101 psia
pressure 1	(63.8562)	= 63.8562 psia
pressure 2	(63.8600)	= 63.8600 psia

weighted averages, volume and air mass

temperature	=	74.75671 deg. F
pressure	=	63.85810 psia
vapor pressure	=	0.30900 psia
volume	=	2600000 cu. ft.
dry air mass	=	834492.90 lbm



PVNGS 2 1991 ILRT -- TYPE A TEST

data set 51

time = 515 date = 1219

sensor	raw data	value
temperature 1	(74.470)	= 74.470 deg. F
temperature 2	(74.510)	= 74.510 deg. F
temperature 3	(74.610)	= 74.610 deg. F
temperature 4	(74.760)	= 74.760 deg. F
temperature 5	(74.630)	= 74.630 deg. F
temperature 6	(74.550)	= 74.550 deg. F
temperature 7	(74.570)	= 74.570 deg. F
temperature 8	(74.790)	= 74.790 deg. F
temperature 9	(74.820)	= 74.820 deg. F
temperature 10	(74.840)	= 74.840 deg. F
temperature 11	(74.810)	= 74.810 deg. F
temperature 12	(74.750)	= 74.750 deg. F
temperature 13	(75.150)	= 75.150 deg. F
temperature 14	(75.320)	= 75.320 deg. F
temperature 15	(76.060)	= 76.060 deg. F
temperature 16	(74.860)	= 74.860 deg. F
temperature 17	(75.140)	= 75.140 deg. F
temperature 18	(74.810)	= 74.810 deg. F
temperature 19	(74.890)	= 74.890 deg. F
temperature 20	(74.690)	= 74.690 deg. F
temperature 21	(73.720)	= 73.720 deg. F
temperature 22	(74.360)	= 74.360 deg. F
temperature 23	(73.080)	= 73.080 deg. F
temperature 24	(75.490)	= 75.490 deg. F
temperature 25	(75.210)	= 75.210 deg. F
temperature 26	(75.170)	= 75.170 deg. F
temperature 27	(73.820)	= 73.820 deg. F
dewpoint 1	(65.740)	= 65.740 deg. F , 0.3134 psia
dewpoint 2	(65.330)	= 65.330 deg. F , 0.3090 psia
dewpoint 3	(65.260)	= 65.260 deg. F , 0.3082 psia
dewpoint 4	(65.320)	= 65.320 deg. F , 0.3089 psia
dewpoint 5	(65.230)	= 65.230 deg. F , 0.3079 psia
dewpoint 6	(65.400)	= 65.400 deg. F , 0.3097 psia
pressure 1	(63.8553)	= 63.8553 psia
pressure 2	(63.8597)	= 63.8597 psia

weighted averages, volume and air mass

temperature	=	74.74664 deg. F
pressure	=	63.85750 psia
vapor pressure	=	0.30874 psia
volume	=	2600000 cu. ft.
dry air mass	=	834504.13 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 52

time = 530 date = 1219

sensor	raw data	value
temperature 1	(74.470) =	74.470 deg. F
temperature 2	(74.500) =	74.500 deg. F
temperature 3	(74.600) =	74.600 deg. F
temperature 4	(74.740) =	74.740 deg. F
temperature 5	(74.640) =	74.640 deg. F
temperature 6	(74.560) =	74.560 deg. F
temperature 7	(74.570) =	74.570 deg. F
temperature 8	(74.790) =	74.790 deg. F
temperature 9	(74.830) =	74.830 deg. F
temperature 10	(74.820) =	74.820 deg. F
temperature 11	(74.810) =	74.810 deg. F
temperature 12	(74.740) =	74.740 deg. F
temperature 13	(75.150) =	75.150 deg. F
temperature 14	(75.400) =	75.400 deg. F
temperature 15	(76.050) =	76.050 deg. F
temperature 16	(74.890) =	74.890 deg. F
temperature 17	(75.150) =	75.150 deg. F
temperature 18	(74.800) =	74.800 deg. F
temperature 19	(74.880) =	74.880 deg. F
temperature 20	(74.690) =	74.690 deg. F
temperature 21	(73.700) =	73.700 deg. F
temperature 22	(74.360) =	74.360 deg. F
temperature 23	(73.090) =	73.090 deg. F
temperature 24	(75.470) =	75.470 deg. F
temperature 25	(75.220) =	75.220 deg. F
temperature 26	(75.170) =	75.170 deg. F
temperature 27	(73.790) =	73.790 deg. F
dewpoint 1	(65.650) =	65.650 deg. F , 0.3124 psia
dewpoint 2	(65.340) =	65.340 deg. F , 0.3091 psia
dewpoint 3	(65.240) =	65.240 deg. F , 0.3080 psia
dewpoint 4	(65.280) =	65.280 deg. F , 0.3084 psia
dewpoint 5	(65.230) =	65.230 deg. F , 0.3079 psia
dewpoint 6	(65.390) =	65.390 deg. F , 0.3096 psia
pressure 1	(63.8547) =	63.8547 psia
pressure 2	(63.8586) =	63.8586 psia

weighted averages, volume and air mass

temperature	=	74.74809 deg. F
pressure	=	63.85665 psia
vapor pressure	=	0.30865 psia
volume	=	2600000 cu. ft.
dry air mass	=	834491.99 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 53

time = 545 date = 1219

sensor	raw data	value
temperature 1	(74.470)	= 74.470 deg. F
temperature 2	(74.500)	= 74.500 deg. F
temperature 3	(74.590)	= 74.590 deg. F
temperature 4	(74.720)	= 74.720 deg. F
temperature 5	(74.580)	= 74.580 deg. F
temperature 6	(74.550)	= 74.550 deg. F
temperature 7	(74.560)	= 74.560 deg. F
temperature 8	(74.790)	= 74.790 deg. F
temperature 9	(74.800)	= 74.800 deg. F
temperature 10	(74.810)	= 74.810 deg. F
temperature 11	(74.810)	= 74.810 deg. F
temperature 12	(74.780)	= 74.780 deg. F
temperature 13	(75.160)	= 75.160 deg. F
temperature 14	(75.400)	= 75.400 deg. F
temperature 15	(76.050)	= 76.050 deg. F
temperature 16	(74.850)	= 74.850 deg. F
temperature 17	(75.130)	= 75.130 deg. F
temperature 18	(74.790)	= 74.790 deg. F
temperature 19	(74.890)	= 74.890 deg. F
temperature 20	(74.690)	= 74.690 deg. F
temperature 21	(73.710)	= 73.710 deg. F
temperature 22	(74.370)	= 74.370 deg. F
temperature 23	(73.090)	= 73.090 deg. F
temperature 24	(75.440)	= 75.440 deg. F
temperature 25	(75.210)	= 75.210 deg. F
temperature 26	(75.170)	= 75.170 deg. F
temperature 27	(73.800)	= 73.800 deg. F
dewpoint 1	(65.580)	= 65.580 deg. F , 0.3117 psia
dewpoint 2	(65.300)	= 65.300 deg. F , 0.3087 psia
dewpoint 3	(65.200)	= 65.200 deg. F , 0.3076 psia
dewpoint 4	(65.290)	= 65.290 deg. F , 0.3086 psia
dewpoint 5	(65.220)	= 65.220 deg. F , 0.3078 psia
dewpoint 6	(65.370)	= 65.370 deg. F , 0.3094 psia
pressure 1	(63.8538)	= 63.8538 psia
pressure 2	(63.8576)	= 63.8576 psia

weighted averages, volume and air mass

temperature	=	74.74091 deg. F
pressure	=	63.85570 psia
vapor pressure	=	0.30839 psia
volume	=	2600000 cu. ft.
dry air mass	=	834494.13 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 54

time = 600 date = 1219

sensor		raw data		value	
temperature	1	(74.440)	=	74.440 deg.	F
temperature	2	(74.490)	=	74.490 deg.	F
temperature	3	(74.560)	=	74.560 deg.	F
temperature	4	(74.740)	=	74.740 deg.	F
temperature	5	(74.610)	=	74.610 deg.	F
temperature	6	(74.540)	=	74.540 deg.	F
temperature	7	(74.540)	=	74.540 deg.	F
temperature	8	(74.780)	=	74.780 deg.	F
temperature	9	(74.800)	=	74.800 deg.	F
temperature	10	(74.810)	=	74.810 deg.	F
temperature	11	(74.790)	=	74.790 deg.	F
temperature	12	(74.780)	=	74.780 deg.	F
temperature	13	(75.120)	=	75.120 deg.	F
temperature	14	(75.360)	=	75.360 deg.	F
temperature	15	(76.050)	=	76.050 deg.	F
temperature	16	(74.800)	=	74.800 deg.	F
temperature	17	(75.120)	=	75.120 deg.	F
temperature	18	(74.790)	=	74.790 deg.	F
temperature	19	(74.880)	=	74.880 deg.	F
temperature	20	(74.680)	=	74.680 deg.	F
temperature	21	(73.700)	=	73.700 deg.	F
temperature	22	(74.360)	=	74.360 deg.	F
temperature	23	(73.080)	=	73.080 deg.	F
temperature	24	(75.470)	=	75.470 deg.	F
temperature	25	(75.170)	=	75.170 deg.	F
temperature	26	(75.140)	=	75.140 deg.	F
temperature	27	(73.810)	=	73.810 deg.	F
dewpoint	1	(65.560)	=	65.560 deg. F	, 0.3115 psia
dewpoint	2	(65.280)	=	65.280 deg. F	, 0.3084 psia
dewpoint	3	(65.200)	=	65.200 deg. F	, 0.3076 psia
dewpoint	4	(65.260)	=	65.260 deg. F	, 0.3082 psia
dewpoint	5	(65.170)	=	65.170 deg. F	, 0.3073 psia
dewpoint	6	(65.370)	=	65.370 deg. F	, 0.3094 psia
pressure	1	(63.8526)	=	63.8526 psia	
pressure	2	(63.8565)	=	63.8565 psia	

weighted averages, volume and air mass

temperature	=	74.73027 deg. F
pressure	=	63.85455 psia
vapor pressure	=	0.30818 psia
volume	=	2600000 cu. ft.
dry air mass	=	834498.43 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 55

time = 615 date = 1219

sensor	raw data	value
temperature 1	(74.410)	= 74.410 deg. F
temperature 2	(74.490)	= 74.490 deg. F
temperature 3	(74.560)	= 74.560 deg. F
temperature 4	(74.730)	= 74.730 deg. F
temperature 5	(74.600)	= 74.600 deg. F
temperature 6	(74.510)	= 74.510 deg. F
temperature 7	(74.550)	= 74.550 deg. F
temperature 8	(74.770)	= 74.770 deg. F
temperature 9	(74.800)	= 74.800 deg. F
temperature 10	(74.800)	= 74.800 deg. F
temperature 11	(74.790)	= 74.790 deg. F
temperature 12	(74.790)	= 74.790 deg. F
temperature 13	(75.120)	= 75.120 deg. F
temperature 14	(75.180)	= 75.180 deg. F
temperature 15	(76.040)	= 76.040 deg. F
temperature 16	(74.900)	= 74.900 deg. F
temperature 17	(75.120)	= 75.120 deg. F
temperature 18	(74.800)	= 74.800 deg. F
temperature 19	(74.860)	= 74.860 deg. F
temperature 20	(74.690)	= 74.690 deg. F
temperature 21	(73.720)	= 73.720 deg. F
temperature 22	(74.370)	= 74.370 deg. F
temperature 23	(73.090)	= 73.090 deg. F
temperature 24	(75.470)	= 75.470 deg. F
temperature 25	(75.190)	= 75.190 deg. F
temperature 26	(75.130)	= 75.130 deg. F
temperature 27	(73.800)	= 73.800 deg. F
dewpoint 1	(65.620)	= 65.620 deg. F , 0.3121 psia
dewpoint 2	(65.250)	= 65.250 deg. F , 0.3081 psia
dewpoint 3	(65.170)	= 65.170 deg. F , 0.3073 psia
dewpoint 4	(65.250)	= 65.250 deg. F , 0.3081 psia
dewpoint 5	(65.140)	= 65.140 deg. F , 0.3069 psia
dewpoint 6	(65.340)	= 65.340 deg. F , 0.3091 psia
pressure 1	(63.8522)	= 63.8522 psia
pressure 2	(63.8551)	= 63.8551 psia

weighted averages, volume and air mass

temperature	=	74.72466 deg. F
pressure	=	63.85365 psia
vapor pressure	=	0.30789 psia
volume	=	2600000 cu. ft.
dry air mass	=	834499.09 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 56

time = 630 date = 1219

sensor		raw data	=	value	
temperature	1	(74.410)	=	74.410	deg. F
temperature	2	(74.500)	=	74.500	deg. F
temperature	3	(74.550)	=	74.550	deg. F
temperature	4	(74.700)	=	74.700	deg. F
temperature	5	(74.560)	=	74.560	deg. F
temperature	6	(74.520)	=	74.520	deg. F
temperature	7	(74.540)	=	74.540	deg. F
temperature	8	(74.760)	=	74.760	deg. F
temperature	9	(74.770)	=	74.770	deg. F
temperature	10	(74.800)	=	74.800	deg. F
temperature	11	(74.770)	=	74.770	deg. F
temperature	12	(74.760)	=	74.760	deg. F
temperature	13	(75.090)	=	75.090	deg. F
temperature	14	(75.390)	=	75.390	deg. F
temperature	15	(76.030)	=	76.030	deg. F
temperature	16	(74.860)	=	74.860	deg. F
temperature	17	(75.100)	=	75.100	deg. F
temperature	18	(74.790)	=	74.790	deg. F
temperature	19	(74.860)	=	74.860	deg. F
temperature	20	(74.680)	=	74.680	deg. F
temperature	21	(73.710)	=	73.710	deg. F
temperature	22	(74.360)	=	74.360	deg. F
temperature	23	(73.090)	=	73.090	deg. F
temperature	24	(75.430)	=	75.430	deg. F
temperature	25	(75.180)	=	75.180	deg. F
temperature	26	(75.130)	=	75.130	deg. F
temperature	27	(73.820)	=	73.820	deg. F
dewpoint	1	(65.630)	=	65.630	deg. F , 0.3122 psia
dewpoint	2	(65.270)	=	65.270	deg. F , 0.3083 psia
dewpoint	3	(65.170)	=	65.170	deg. F , 0.3073 psia
dewpoint	4	(65.240)	=	65.240	deg. F , 0.3080 psia
dewpoint	5	(65.140)	=	65.140	deg. F , 0.3069 psia
dewpoint	6	(65.320)	=	65.320	deg. F , 0.3089 psia
pressure	1	(63.8503)	=	63.8503	psia
pressure	2	(63.8534)	=	63.8534	psia

weighted averages, volume and air mass

temperature	=	74.71919 deg. F
pressure	=	63.85185 psia
vapor pressure	=	0.30792 psia
volume	=	2600000 cu. ft.
dry air mass	=	834483.62 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 57

time = 645 date = 1219

sensor		raw data	=	value	
temperature	1	(74.410)	=	74.410	deg. F
temperature	2	(74.470)	=	74.470	deg. F
temperature	3	(74.530)	=	74.530	deg. F
temperature	4	(74.700)	=	74.700	deg. F
temperature	5	(74.580)	=	74.580	deg. F
temperature	6	(74.510)	=	74.510	deg. F
temperature	7	(74.520)	=	74.520	deg. F
temperature	8	(74.750)	=	74.750	deg. F
temperature	9	(74.780)	=	74.780	deg. F
temperature	10	(74.780)	=	74.780	deg. F
temperature	11	(74.750)	=	74.750	deg. F
temperature	12	(74.820)	=	74.820	deg. F
temperature	13	(75.040)	=	75.040	deg. F
temperature	14	(75.290)	=	75.290	deg. F
temperature	15	(76.020)	=	76.020	deg. F
temperature	16	(74.830)	=	74.830	deg. F
temperature	17	(75.110)	=	75.110	deg. F
temperature	18	(74.760)	=	74.760	deg. F
temperature	19	(74.860)	=	74.860	deg. F
temperature	20	(74.680)	=	74.680	deg. F
temperature	21	(73.710)	=	73.710	deg. F
temperature	22	(74.360)	=	74.360	deg. F
temperature	23	(73.090)	=	73.090	deg. F
temperature	24	(75.470)	=	75.470	deg. F
temperature	25	(75.180)	=	75.180	deg. F
temperature	26	(75.150)	=	75.150	deg. F
temperature	27	(73.810)	=	73.810	deg. F
dewpoint	1	(65.710)	=	65.710	deg. F , 0.3131 psia
dewpoint	2	(65.230)	=	65.230	deg. F , 0.3079 psia
dewpoint	3	(65.150)	=	65.150	deg. F , 0.3071 psia
dewpoint	4	(65.230)	=	65.230	deg. F , 0.3079 psia
dewpoint	5	(65.130)	=	65.130	deg. F , 0.3068 psia
dewpoint	6	(65.320)	=	65.320	deg. F , 0.3089 psia
pressure	1	(63.8487)	=	63.8487	psia
pressure	2	(63.8522)	=	63.8522	psia

weighted averages, volume and air mass

temperature	=	74.70933	deg. F
pressure	=	63.85045	psia
vapor pressure	=	0.30769	psia
volume	=	2600000	cu. ft.
dry air mass	=	834483.60	lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 58

time = 700 date = 1219

sensor	raw data	value
temperature 1	(74.390)	= 74.390 deg. F
temperature 2	(74.450)	= 74.450 deg. F
temperature 3	(74.540)	= 74.540 deg. F
temperature 4	(74.710)	= 74.710 deg. F
temperature 5	(74.600)	= 74.600 deg. F
temperature 6	(74.510)	= 74.510 deg. F
temperature 7	(74.520)	= 74.520 deg. F
temperature 8	(74.750)	= 74.750 deg. F
temperature 9	(74.780)	= 74.780 deg. F
temperature 10	(74.790)	= 74.790 deg. F
temperature 11	(74.770)	= 74.770 deg. F
temperature 12	(74.750)	= 74.750 deg. F
temperature 13	(75.080)	= 75.080 deg. F
temperature 14	(75.330)	= 75.330 deg. F
temperature 15	(76.030)	= 76.030 deg. F
temperature 16	(74.810)	= 74.810 deg. F
temperature 17	(75.100)	= 75.100 deg. F
temperature 18	(74.770)	= 74.770 deg. F
temperature 19	(74.860)	= 74.860 deg. F
temperature 20	(74.680)	= 74.680 deg. F
temperature 21	(73.700)	= 73.700 deg. F
temperature 22	(74.360)	= 74.360 deg. F
temperature 23	(73.110)	= 73.110 deg. F
temperature 24	(75.430)	= 75.430 deg. F
temperature 25	(75.180)	= 75.180 deg. F
temperature 26	(75.130)	= 75.130 deg. F
temperature 27	(73.800)	= 73.800 deg. F
dewpoint 1	(65.620)	= 65.620 deg. F , 0.3121 psia
dewpoint 2	(65.230)	= 65.230 deg. F , 0.3079 psia
dewpoint 3	(65.190)	= 65.190 deg. F , 0.3075 psia
dewpoint 4	(65.220)	= 65.220 deg. F , 0.3078 psia
dewpoint 5	(65.120)	= 65.120 deg. F , 0.3067 psia
dewpoint 6	(65.300)	= 65.300 deg. F , 0.3087 psia
pressure 1	(63.8475)	= 63.8475 psia
pressure 2	(63.8519)	= 63.8519 psia

weighted averages, volume and air mass

temperature	=	74.71037 deg. F
pressure	=	63.84970 psia
vapor pressure	=	0.30772 psia
volume	=	2600000 cu. ft.
dry air mass	=	834471.83 lbm



PVNGS 2 1991 ILRT -- TYPE A TEST

data set 59

time = 715 date = 1219

sensor	raw data	value
temperature 1	(74.410)	= 74.410 deg. F
temperature 2	(74.450)	= 74.450 deg. F
temperature 3	(74.530)	= 74.530 deg. F
temperature 4	(74.700)	= 74.700 deg. F
temperature 5	(74.550)	= 74.550 deg. F
temperature 6	(74.490)	= 74.490 deg. F
temperature 7	(74.520)	= 74.520 deg. F
temperature 8	(74.740)	= 74.740 deg. F
temperature 9	(74.790)	= 74.790 deg. F
temperature 10	(74.790)	= 74.790 deg. F
temperature 11	(74.770)	= 74.770 deg. F
temperature 12	(74.740)	= 74.740 deg. F
temperature 13	(75.100)	= 75.100 deg. F
temperature 14	(75.440)	= 75.440 deg. F
temperature 15	(76.020)	= 76.020 deg. F
temperature 16	(74.820)	= 74.820 deg. F
temperature 17	(75.100)	= 75.100 deg. F
temperature 18	(74.770)	= 74.770 deg. F
temperature 19	(74.860)	= 74.860 deg. F
temperature 20	(74.680)	= 74.680 deg. F
temperature 21	(73.710)	= 73.710 deg. F
temperature 22	(74.370)	= 74.370 deg. F
temperature 23	(73.110)	= 73.110 deg. F
temperature 24	(75.410)	= 75.410 deg. F
temperature 25	(75.180)	= 75.180 deg. F
temperature 26	(75.120)	= 75.120 deg. F
temperature 27	(73.810)	= 73.810 deg. F
dewpoint 1	(65.740)	= 65.740 deg. F , 0.3134 psia
dewpoint 2	(65.200)	= 65.200 deg. F , 0.3076 psia
dewpoint 3	(65.140)	= 65.140 deg. F , 0.3069 psia
dewpoint 4	(65.180)	= 65.180 deg. F , 0.3074 psia
dewpoint 5	(65.100)	= 65.100 deg. F , 0.3065 psia
dewpoint 6	(65.300)	= 65.300 deg. F , 0.3087 psia
pressure 1	(63.8473)	= 63.8473 psia
pressure 2	(63.8511)	= 63.8511 psia

weighted averages, volume and air mass

temperature	=	74.71227 deg. F
pressure	=	63.84920 psia
vapor pressure	=	0.30739 psia
volume	=	2600000 cu. ft.
dry air mass	=	834466.63 lbm



PVNGS 2 1991 ILRT -- TYPE A TEST

data set 60

time = 730 date = 1219

sensor		raw data	=	value	
temperature	1	(74.400)	=	74.400	deg. F
temperature	2	(74.460)	=	74.460	deg. F
temperature	3	(74.530)	=	74.530	deg. F
temperature	4	(74.700)	=	74.700	deg. F
temperature	5	(74.550)	=	74.550	deg. F
temperature	6	(74.520)	=	74.520	deg. F
temperature	7	(74.510)	=	74.510	deg. F
temperature	8	(74.740)	=	74.740	deg. F
temperature	9	(74.750)	=	74.750	deg. F
temperature	10	(74.760)	=	74.760	deg. F
temperature	11	(74.740)	=	74.740	deg. F
temperature	12	(74.780)	=	74.780	deg. F
temperature	13	(75.080)	=	75.080	deg. F
temperature	14	(75.360)	=	75.360	deg. F
temperature	15	(76.010)	=	76.010	deg. F
temperature	16	(74.810)	=	74.810	deg. F
temperature	17	(75.080)	=	75.080	deg. F
temperature	18	(74.750)	=	74.750	deg. F
temperature	19	(74.850)	=	74.850	deg. F
temperature	20	(74.670)	=	74.670	deg. F
temperature	21	(73.730)	=	73.730	deg. F
temperature	22	(74.370)	=	74.370	deg. F
temperature	23	(73.110)	=	73.110	deg. F
temperature	24	(75.420)	=	75.420	deg. F
temperature	25	(75.160)	=	75.160	deg. F
temperature	26	(75.100)	=	75.100	deg. F
temperature	27	(73.790)	=	73.790	deg. F
dewpoint	1	(65.550)	=	65.550	deg. F , 0.3114 psia
dewpoint	2	(65.220)	=	65.220	deg. F , 0.3078 psia
dewpoint	3	(65.130)	=	65.130	deg. F , 0.3068 psia
dewpoint	4	(65.180)	=	65.180	deg. F , 0.3074 psia
dewpoint	5	(65.100)	=	65.100	deg. F , 0.3065 psia
dewpoint	6	(65.270)	=	65.270	deg. F , 0.3083 psia
pressure	1	(63.8471)	=	63.8471	psia
pressure	2	(63.8510)	=	63.8510	psia

weighted averages, volume and air mass

temperature	=	74.70383	deg. F
pressure	=	63.84905	psia
vapor pressure	=	0.30741	psia
volume	=	2600000	cu. ft.
dry air mass	=	834477.64	lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 61

time = 745 date = 1219

sensor	raw data	value
temperature 1	(74.370)	= 74.370 deg. F
temperature 2	(74.460)	= 74.460 deg. F
temperature 3	(74.510)	= 74.510 deg. F
temperature 4	(74.670)	= 74.670 deg. F
temperature 5	(74.550)	= 74.550 deg. F
temperature 6	(74.490)	= 74.490 deg. F
temperature 7	(74.510)	= 74.510 deg. F
temperature 8	(74.720)	= 74.720 deg. F
temperature 9	(74.760)	= 74.760 deg. F
temperature 10	(74.760)	= 74.760 deg. F
temperature 11	(74.730)	= 74.730 deg. F
temperature 12	(74.710)	= 74.710 deg. F
temperature 13	(75.080)	= 75.080 deg. F
temperature 14	(75.310)	= 75.310 deg. F
temperature 15	(76.010)	= 76.010 deg. F
temperature 16	(74.790)	= 74.790 deg. F
temperature 17	(75.080)	= 75.080 deg. F
temperature 18	(74.750)	= 74.750 deg. F
temperature 19	(74.850)	= 74.850 deg. F
temperature 20	(74.670)	= 74.670 deg. F
temperature 21	(73.710)	= 73.710 deg. F
temperature 22	(74.360)	= 74.360 deg. F
temperature 23	(73.120)	= 73.120 deg. F
temperature 24	(75.420)	= 75.420 deg. F
temperature 25	(75.170)	= 75.170 deg. F
temperature 26	(75.100)	= 75.100 deg. F
temperature 27	(73.820)	= 73.820 deg. F
dewpoint 1	(65.360)	= 65.360 deg. F , 0.3093 psia
dewpoint 2	(65.190)	= 65.190 deg. F , 0.3075 psia
dewpoint 3	(65.080)	= 65.080 deg. F , 0.3063 psia
dewpoint 4	(65.170)	= 65.170 deg. F , 0.3073 psia
dewpoint 5	(65.050)	= 65.050 deg. F , 0.3060 psia
dewpoint 6	(65.260)	= 65.260 deg. F , 0.3082 psia
pressure 1	(63.8458)	= 63.8458 psia
pressure 2	(63.8498)	= 63.8498 psia

weighted averages, volume and air mass

temperature	=	74.69107 deg. F
pressure	=	63.84780 psia
vapor pressure	=	0.30707 psia
volume	=	2600000 cu. ft.
dry air mass	=	834485.48 lbm



PVNGS 2 1991 ILRT -- TYPE A TEST

data set 62

time = 800 date = 1219

sensor	raw data	value
temperature 1	(74.370)	= 74.370 deg. F
temperature 2	(74.450)	= 74.450 deg. F
temperature 3	(74.510)	= 74.510 deg. F
temperature 4	(74.660)	= 74.660 deg. F
temperature 5	(74.530)	= 74.530 deg. F
temperature 6	(74.490)	= 74.490 deg. F
temperature 7	(74.490)	= 74.490 deg. F
temperature 8	(74.720)	= 74.720 deg. F
temperature 9	(74.750)	= 74.750 deg. F
temperature 10	(74.760)	= 74.760 deg. F
temperature 11	(74.720)	= 74.720 deg. F
temperature 12	(74.750)	= 74.750 deg. F
temperature 13	(75.050)	= 75.050 deg. F
temperature 14	(75.310)	= 75.310 deg. F
temperature 15	(76.010)	= 76.010 deg. F
temperature 16	(74.850)	= 74.850 deg. F
temperature 17	(75.090)	= 75.090 deg. F
temperature 18	(74.750)	= 74.750 deg. F
temperature 19	(74.850)	= 74.850 deg. F
temperature 20	(74.670)	= 74.670 deg. F
temperature 21	(73.710)	= 73.710 deg. F
temperature 22	(74.360)	= 74.360 deg. F
temperature 23	(73.120)	= 73.120 deg. F
temperature 24	(75.420)	= 75.420 deg. F
temperature 25	(75.190)	= 75.190 deg. F
temperature 26	(75.100)	= 75.100 deg. F
temperature 27	(73.810)	= 73.810 deg. F
dewpoint 1	(65.480)	= 65.480 deg. F , 0.3106 psia
dewpoint 2	(65.190)	= 65.190 deg. F , 0.3075 psia
dewpoint 3	(65.080)	= 65.080 deg. F , 0.3063 psia
dewpoint 4	(65.140)	= 65.140 deg. F , 0.3069 psia
dewpoint 5	(65.080)	= 65.080 deg. F , 0.3063 psia
dewpoint 6	(65.250)	= 65.250 deg. F , 0.3081 psia
pressure 1	(63.8456)	= 63.8456 psia
pressure 2	(63.8492)	= 63.8492 psia

weighted averages, volume and air mass

temperature	=	74.69090 deg. F
pressure	=	63.84740 psia
vapor pressure	=	0.30705 psia
volume	=	2600000 cu. ft.
dry air mass	=	834480.80 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 63

time = 815 date = 1219

sensor		raw data	=	value	
temperature	1	(74.390)	=	74.390	deg. F
temperature	2	(74.450)	=	74.450	deg. F
temperature	3	(74.520)	=	74.520	deg. F
temperature	4	(74.690)	=	74.690	deg. F
temperature	5	(74.540)	=	74.540	deg. F
temperature	6	(74.460)	=	74.460	deg. F
temperature	7	(74.480)	=	74.480	deg. F
temperature	8	(74.720)	=	74.720	deg. F
temperature	9	(74.750)	=	74.750	deg. F
temperature	10	(74.750)	=	74.750	deg. F
temperature	11	(74.730)	=	74.730	deg. F
temperature	12	(74.740)	=	74.740	deg. F
temperature	13	(75.090)	=	75.090	deg. F
temperature	14	(75.330)	=	75.330	deg. F
temperature	15	(76.000)	=	76.000	deg. F
temperature	16	(74.780)	=	74.780	deg. F
temperature	17	(75.090)	=	75.090	deg. F
temperature	18	(74.740)	=	74.740	deg. F
temperature	19	(74.850)	=	74.850	deg. F
temperature	20	(74.650)	=	74.650	deg. F
temperature	21	(73.710)	=	73.710	deg. F
temperature	22	(74.360)	=	74.360	deg. F
temperature	23	(73.130)	=	73.130	deg. F
temperature	24	(75.400)	=	75.400	deg. F
temperature	25	(75.170)	=	75.170	deg. F
temperature	26	(75.080)	=	75.080	deg. F
temperature	27	(73.820)	=	73.820	deg. F
dewpoint	1	(65.380)	=	65.380	deg. F , 0.3095 psia
dewpoint	2	(65.170)	=	65.170	deg. F , 0.3073 psia
dewpoint	3	(65.050)	=	65.050	deg. F , 0.3060 psia
dewpoint	4	(65.130)	=	65.130	deg. F , 0.3068 psia
dewpoint	5	(65.160)	=	65.160	deg. F , 0.3072 psia
dewpoint	6	(65.230)	=	65.230	deg. F , 0.3079 psia
pressure	1	(63.8444)	=	63.8444	psia
pressure	2	(63.8488)	=	63.8488	psia

weighted averages, volume and air mass

temperature	=	74.68954 deg. F
pressure	=	63.84660 psia
vapor pressure	=	0.30699 psia
volume	=	2600000 cu. ft.
dry air mass	=	834473.15 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 64

time = 830 date = 1219

sensor	raw data	value
temperature 1	(74.350)	= 74.350 deg. F
temperature 2	(74.430)	= 74.430 deg. F
temperature 3	(74.490)	= 74.490 deg. F
temperature 4	(74.660)	= 74.660 deg. F
temperature 5	(74.530)	= 74.530 deg. F
temperature 6	(74.490)	= 74.490 deg. F
temperature 7	(74.480)	= 74.480 deg. F
temperature 8	(74.720)	= 74.720 deg. F
temperature 9	(74.750)	= 74.750 deg. F
temperature 10	(74.760)	= 74.760 deg. F
temperature 11	(74.740)	= 74.740 deg. F
temperature 12	(74.750)	= 74.750 deg. F
temperature 13	(75.040)	= 75.040 deg. F
temperature 14	(75.380)	= 75.380 deg. F
temperature 15	(76.010)	= 76.010 deg. F
temperature 16	(74.780)	= 74.780 deg. F
temperature 17	(75.070)	= 75.070 deg. F
temperature 18	(74.740)	= 74.740 deg. F
temperature 19	(74.840)	= 74.840 deg. F
temperature 20	(74.670)	= 74.670 deg. F
temperature 21	(73.710)	= 73.710 deg. F
temperature 22	(74.360)	= 74.360 deg. F
temperature 23	(73.130)	= 73.130 deg. F
temperature 24	(75.400)	= 75.400 deg. F
temperature 25	(75.150)	= 75.150 deg. F
temperature 26	(75.100)	= 75.100 deg. F
temperature 27	(73.810)	= 73.810 deg. F
dewpoint 1	(65.540)	= 65.540 deg. F , 0.3112 psia
dewpoint 2	(65.140)	= 65.140 deg. F , 0.3069 psia
dewpoint 3	(65.060)	= 65.060 deg. F , 0.3061 psia
dewpoint 4	(65.120)	= 65.120 deg. F , 0.3067 psia
dewpoint 5	(65.080)	= 65.080 deg. F , 0.3063 psia
dewpoint 6	(65.200)	= 65.200 deg. F , 0.3076 psia
pressure 1	(63.8436)	= 63.8436 psia
pressure 2	(63.8477)	= 63.8477 psia

weighted averages, volume and air mass

temperature	=	74.68693 deg. F
pressure	=	63.84565 psia
vapor pressure	=	0.30672 psia
volume	=	2600000 cu. ft.
dry air mass	=	834468.38 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 65

time = 845 date = 1219

sensor	raw data	value
temperature 1	(74.360)	= 74.360 deg. F
temperature 2	(74.420)	= 74.420 deg. F
temperature 3	(74.500)	= 74.500 deg. F
temperature 4	(74.670)	= 74.670 deg. F
temperature 5	(74.540)	= 74.540 deg. F
temperature 6	(74.470)	= 74.470 deg. F
temperature 7	(74.480)	= 74.480 deg. F
temperature 8	(74.720)	= 74.720 deg. F
temperature 9	(74.720)	= 74.720 deg. F
temperature 10	(74.720)	= 74.720 deg. F
temperature 11	(74.710)	= 74.710 deg. F
temperature 12	(74.720)	= 74.720 deg. F
temperature 13	(75.090)	= 75.090 deg. F
temperature 14	(75.260)	= 75.260 deg. F
temperature 15	(75.990)	= 75.990 deg. F
temperature 16	(74.760)	= 74.760 deg. F
temperature 17	(75.070)	= 75.070 deg. F
temperature 18	(74.730)	= 74.730 deg. F
temperature 19	(74.840)	= 74.840 deg. F
temperature 20	(74.650)	= 74.650 deg. F
temperature 21	(73.710)	= 73.710 deg. F
temperature 22	(74.370)	= 74.370 deg. F
temperature 23	(73.130)	= 73.130 deg. F
temperature 24	(75.420)	= 75.420 deg. F
temperature 25	(75.160)	= 75.160 deg. F
temperature 26	(75.090)	= 75.090 deg. F
temperature 27	(73.820)	= 73.820 deg. F
dewpoint 1	(65.510)	= 65.510 deg. F , 0.3109 psia
dewpoint 2	(65.130)	= 65.130 deg. F , 0.3068 psia
dewpoint 3	(65.040)	= 65.040 deg. F , 0.3059 psia
dewpoint 4	(65.110)	= 65.110 deg. F , 0.3066 psia
dewpoint 5	(65.100)	= 65.100 deg. F , 0.3065 psia
dewpoint 6	(65.220)	= 65.220 deg. F , 0.3078 psia
pressure 1	(63.8432)	= 63.8432 psia
pressure 2	(63.8472)	= 63.8472 psia

weighted averages, volume and air mass

temperature	=	74.67617 deg. F
pressure	=	63.84520 psia
vapor pressure	=	0.30667 psia
volume	=	2600000 cu. ft.
dry air mass	=	834479.83 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 66

time = 900 date = 1219

sensor		raw data		value	
temperature	1	(74.370)	=	74.370	deg. F
temperature	2	(74.410)	=	74.410	deg. F
temperature	3	(74.480)	=	74.480	deg. F
temperature	4	(74.670)	=	74.670	deg. F
temperature	5	(74.520)	=	74.520	deg. F
temperature	6	(74.470)	=	74.470	deg. F
temperature	7	(74.480)	=	74.480	deg. F
temperature	8	(74.700)	=	74.700	deg. F
temperature	9	(74.750)	=	74.750	deg. F
temperature	10	(74.740)	=	74.740	deg. F
temperature	11	(74.690)	=	74.690	deg. F
temperature	12	(74.750)	=	74.750	deg. F
temperature	13	(75.060)	=	75.060	deg. F
temperature	14	(75.240)	=	75.240	deg. F
temperature	15	(75.990)	=	75.990	deg. F
temperature	16	(74.800)	=	74.800	deg. F
temperature	17	(75.060)	=	75.060	deg. F
temperature	18	(74.720)	=	74.720	deg. F
temperature	19	(74.840)	=	74.840	deg. F
temperature	20	(74.650)	=	74.650	deg. F
temperature	21	(73.710)	=	73.710	deg. F
temperature	22	(74.370)	=	74.370	deg. F
temperature	23	(73.130)	=	73.130	deg. F
temperature	24	(75.390)	=	75.390	deg. F
temperature	25	(75.170)	=	75.170	deg. F
temperature	26	(75.100)	=	75.100	deg. F
temperature	27	(73.820)	=	73.820	deg. F
dewpoint	1	(65.450)	=	65.450	deg. F , 0.3103 psia
dewpoint	2	(65.140)	=	65.140	deg. F , 0.3069 psia
dewpoint	3	(65.040)	=	65.040	deg. F , 0.3059 psia
dewpoint	4	(65.110)	=	65.110	deg. F , 0.3066 psia
dewpoint	5	(65.010)	=	65.010	deg. F , 0.3056 psia
dewpoint	6	(65.190)	=	65.190	deg. F , 0.3075 psia
pressure	1	(63.8419)	=	63.8419	psia
pressure	2	(63.8460)	=	63.8460	psia

weighted averages, volume and air mass

temperature	=	74.67426	deg. F
pressure	=	63.84395	psia
vapor pressure	=	0.30653	psia
volume	=	2600000	cu. ft.
dry air mass	=	834468.25	lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 67

time = 915 date = 1219

sensor		raw data		value	
temperature	1	(74.370)	=	74.370 deg. F	
temperature	2	(74.420)	=	74.420 deg. F	
temperature	3	(74.490)	=	74.490 deg. F	
temperature	4	(74.660)	=	74.660 deg. F	
temperature	5	(74.540)	=	74.540 deg. F	
temperature	6	(74.470)	=	74.470 deg. F	
temperature	7	(74.470)	=	74.470 deg. F	
temperature	8	(74.690)	=	74.690 deg. F	
temperature	9	(74.720)	=	74.720 deg. F	
temperature	10	(74.730)	=	74.730 deg. F	
temperature	11	(74.710)	=	74.710 deg. F	
temperature	12	(74.710)	=	74.710 deg. F	
temperature	13	(75.050)	=	75.050 deg. F	
temperature	14	(75.280)	=	75.280 deg. F	
temperature	15	(75.970)	=	75.970 deg. F	
temperature	16	(74.720)	=	74.720 deg. F	
temperature	17	(75.050)	=	75.050 deg. F	
temperature	18	(74.730)	=	74.730 deg. F	
temperature	19	(74.840)	=	74.840 deg. F	
temperature	20	(74.650)	=	74.650 deg. F	
temperature	21	(73.690)	=	73.690 deg. F	
temperature	22	(74.380)	=	74.380 deg. F	
temperature	23	(73.140)	=	73.140 deg. F	
temperature	24	(75.410)	=	75.410 deg. F	
temperature	25	(75.160)	=	75.160 deg. F	
temperature	26	(75.090)	=	75.090 deg. F	
temperature	27	(73.810)	=	73.810 deg. F	
dewpoint	1	(65.280)	=	65.280 deg. F	0.3084 psia
dewpoint	2	(65.110)	=	65.110 deg. F	0.3066 psia
dewpoint	3	(65.020)	=	65.020 deg. F	0.3057 psia
dewpoint	4	(65.080)	=	65.080 deg. F	0.3063 psia
dewpoint	5	(64.970)	=	64.970 deg. F	0.3051 psia
dewpoint	6	(65.180)	=	65.180 deg. F	0.3074 psia
pressure	1	(63.8414)	=	63.8414 psia	
pressure	2	(63.8453)	=	63.8453 psia	

weighted averages, volume and air mass

temperature	=	74.66890 deg. F
pressure	=	63.84335 psia
vapor pressure	=	0.30624 psia
volume	=	2600000 cu. ft.
dry air mass	=	834472.56 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 68

time = 930 date = 1219

sensor		raw data		value	
temperature	1	(74.340)	=	74.340 deg. F	
temperature	2	(74.410)	=	74.410 deg. F	
temperature	3	(74.490)	=	74.490 deg. F	
temperature	4	(74.660)	=	74.660 deg. F	
temperature	5	(74.510)	=	74.510 deg. F	
temperature	6	(74.460)	=	74.460 deg. F	
temperature	7	(74.460)	=	74.460 deg. F	
temperature	8	(74.690)	=	74.690 deg. F	
temperature	9	(74.700)	=	74.700 deg. F	
temperature	10	(74.710)	=	74.710 deg. F	
temperature	11	(74.720)	=	74.720 deg. F	
temperature	12	(74.730)	=	74.730 deg. F	
temperature	13	(75.030)	=	75.030 deg. F	
temperature	14	(75.240)	=	75.240 deg. F	
temperature	15	(75.980)	=	75.980 deg. F	
temperature	16	(74.720)	=	74.720 deg. F	
temperature	17	(75.050)	=	75.050 deg. F	
temperature	18	(74.730)	=	74.730 deg. F	
temperature	19	(74.840)	=	74.840 deg. F	
temperature	20	(74.650)	=	74.650 deg. F	
temperature	21	(73.700)	=	73.700 deg. F	
temperature	22	(74.370)	=	74.370 deg. F	
temperature	23	(73.140)	=	73.140 deg. F	
temperature	24	(75.380)	=	75.380 deg. F	
temperature	25	(75.150)	=	75.150 deg. F	
temperature	26	(75.080)	=	75.080 deg. F	
temperature	27	(73.790)	=	73.790 deg. F	
dewpoint	1	(65.550)	=	65.550 deg. F	, 0.3114 psia
dewpoint	2	(65.120)	=	65.120 deg. F	, 0.3067 psia
dewpoint	3	(64.990)	=	64.990 deg. F	, 0.3053 psia
dewpoint	4	(65.080)	=	65.080 deg. F	, 0.3063 psia
dewpoint	5	(64.970)	=	64.970 deg. F	, 0.3051 psia
dewpoint	6	(65.170)	=	65.170 deg. F	, 0.3073 psia
pressure	1	(63.8406)	=	63.8406 psia	
pressure	2	(63.8443)	=	63.8443 psia	

weighted averages, volume and air mass

temperature	=	74.66167 deg. F
pressure	=	63.84245 psia
vapor pressure	=	0.30620 psia
volume	=	2600000 cu. ft.
dry air mass	=	834472.52 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 69

time = 945 date = 1219

sensor		raw data		value	
temperature	1	(74.340)	=	74.340	deg. F
temperature	2	(74.410)	=	74.410	deg. F
temperature	3	(74.490)	=	74.490	deg. F
temperature	4	(74.640)	=	74.640	deg. F
temperature	5	(74.510)	=	74.510	deg. F
temperature	6	(74.460)	=	74.460	deg. F
temperature	7	(74.460)	=	74.460	deg. F
temperature	8	(74.670)	=	74.670	deg. F
temperature	9	(74.700)	=	74.700	deg. F
temperature	10	(74.730)	=	74.730	deg. F
temperature	11	(74.690)	=	74.690	deg. F
temperature	12	(74.670)	=	74.670	deg. F
temperature	13	(75.040)	=	75.040	deg. F
temperature	14	(75.280)	=	75.280	deg. F
temperature	15	(75.970)	=	75.970	deg. F
temperature	16	(74.770)	=	74.770	deg. F
temperature	17	(75.040)	=	75.040	deg. F
temperature	18	(74.700)	=	74.700	deg. F
temperature	19	(74.830)	=	74.830	deg. F
temperature	20	(74.650)	=	74.650	deg. F
temperature	21	(73.700)	=	73.700	deg. F
temperature	22	(74.370)	=	74.370	deg. F
temperature	23	(73.140)	=	73.140	deg. F
temperature	24	(75.370)	=	75.370	deg. F
temperature	25	(75.150)	=	75.150	deg. F
temperature	26	(75.060)	=	75.060	deg. F
temperature	27	(73.830)	=	73.830	deg. F
dewpoint	1	(65.440)	=	65.440	deg. F , 0.3102 psia
dewpoint	2	(65.080)	=	65.080	deg. F , 0.3063 psia
dewpoint	3	(65.000)	=	65.000	deg. F , 0.3055 psia
dewpoint	4	(65.060)	=	65.060	deg. F , 0.3061 psia
dewpoint	5	(64.940)	=	64.940	deg. F , 0.3048 psia
dewpoint	6	(65.160)	=	65.160	deg. F , 0.3072 psia
pressure	1	(63.8401)	=	63.8401	psia
pressure	2	(63.8437)	=	63.8437	psia

weighted averages, volume and air mass

temperature	=	74.65836	deg. F
pressure	=	63.84190	psia
vapor pressure	=	0.30598	psia
volume	=	2600000	cu. ft.
dry air mass	=	834473.49	lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 70

time = 1000 date = 1219

sensor		raw data	value
temperature	1 (74.330)	=	74.330 deg. F
temperature	2 (74.400)	=	74.400 deg. F
temperature	3 (74.470)	=	74.470 deg. F
temperature	4 (74.650)	=	74.650 deg. F
temperature	5 (74.490)	=	74.490 deg. F
temperature	6 (74.440)	=	74.440 deg. F
temperature	7 (74.440)	=	74.440 deg. F
temperature	8 (74.670)	=	74.670 deg. F
temperature	9 (74.720)	=	74.720 deg. F
temperature	10 (74.700)	=	74.700 deg. F
temperature	11 (74.660)	=	74.660 deg. F
temperature	12 (74.690)	=	74.690 deg. F
temperature	13 (75.020)	=	75.020 deg. F
temperature	14 (75.280)	=	75.280 deg. F
temperature	15 (75.970)	=	75.970 deg. F
temperature	16 (74.750)	=	74.750 deg. F
temperature	17 (75.040)	=	75.040 deg. F
temperature	18 (74.690)	=	74.690 deg. F
temperature	19 (74.830)	=	74.830 deg. F
temperature	20 (74.650)	=	74.650 deg. F
temperature	21 (73.710)	=	73.710 deg. F
temperature	22 (74.370)	=	74.370 deg. F
temperature	23 (73.140)	=	73.140 deg. F
temperature	24 (75.390)	=	75.390 deg. F
temperature	25 (75.120)	=	75.120 deg. F
temperature	26 (75.050)	=	75.050 deg. F
temperature	27 (73.810)	=	73.810 deg. F
dewpoint	1 (65.360)	=	65.360 deg. F , 0.3093 psia
dewpoint	2 (65.050)	=	65.050 deg. F , 0.3060 psia
dewpoint	3 (64.970)	=	64.970 deg. F , 0.3051 psia
dewpoint	4 (65.050)	=	65.050 deg. F , 0.3060 psia
dewpoint	5 (65.000)	=	65.000 deg. F , 0.3055 psia
dewpoint	6 (65.140)	=	65.140 deg. F , 0.3069 psia
pressure	1 (63.8388)	=	63.8388 psia
pressure	2 (63.8428)	=	63.8428 psia

weighted averages, volume and air mass

temperature	=	74.65192 deg. F
pressure	=	63.84080 psia
vapor pressure	=	0.30585 psia
volume	=	2600000 cu. ft.
dry air mass	=	834470.73 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 71

time = 1015 date = 1219

sensor		raw data		value	
temperature	1	(74.320)	=	74.320 deg. F	
temperature	2	(74.390)	=	74.390 deg. F	
temperature	3	(74.470)	=	74.470 deg. F	
temperature	4	(74.610)	=	74.610 deg. F	
temperature	5	(74.500)	=	74.500 deg. F	
temperature	6	(74.440)	=	74.440 deg. F	
temperature	7	(74.460)	=	74.460 deg. F	
temperature	8	(74.680)	=	74.680 deg. F	
temperature	9	(74.730)	=	74.730 deg. F	
temperature	10	(74.710)	=	74.710 deg. F	
temperature	11	(74.690)	=	74.690 deg. F	
temperature	12	(74.660)	=	74.660 deg. F	
temperature	13	(75.030)	=	75.030 deg. F	
temperature	14	(75.360)	=	75.360 deg. F	
temperature	15	(75.970)	=	75.970 deg. F	
temperature	16	(74.770)	=	74.770 deg. F	
temperature	17	(75.050)	=	75.050 deg. F	
temperature	18	(74.710)	=	74.710 deg. F	
temperature	19	(74.830)	=	74.830 deg. F	
temperature	20	(74.650)	=	74.650 deg. F	
temperature	21	(73.720)	=	73.720 deg. F	
temperature	22	(74.370)	=	74.370 deg. F	
temperature	23	(73.150)	=	73.150 deg. F	
temperature	24	(75.380)	=	75.380 deg. F	
temperature	25	(75.150)	=	75.150 deg. F	
temperature	26	(75.020)	=	75.020 deg. F	
temperature	27	(73.830)	=	73.830 deg. F	
dewpoint	1	(65.400)	=	65.400 deg. F	, 0.3097 psia
dewpoint	2	(65.060)	=	65.060 deg. F	, 0.3061 psia
dewpoint	3	(64.960)	=	64.960 deg. F	, 0.3050 psia
dewpoint	4	(65.020)	=	65.020 deg. F	, 0.3057 psia
dewpoint	5	(64.940)	=	64.940 deg. F	, 0.3048 psia
dewpoint	6	(65.140)	=	65.140 deg. F	, 0.3069 psia
pressure	1	(63.8380)	=	63.8380 psia	
pressure	2	(63.8420)	=	63.8420 psia	

weighted averages, volume and air mass

temperature	=	74.65868 deg. F
pressure	=	63.84000 psia
vapor pressure	=	0.30571 psia
volume	=	2600000 cu. ft.
dry air mass	=	834451.49 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 72

time = 1030 date = 1219

sensor		raw data		value	
temperature	1 (74.340)	=	74.340 deg. F		
temperature	2 (74.370)	=	74.370 deg. F		
temperature	3 (74.480)	=	74.480 deg. F		
temperature	4 (74.620)	=	74.620 deg. F		
temperature	5 (74.510)	=	74.510 deg. F		
temperature	6 (74.440)	=	74.440 deg. F		
temperature	7 (74.440)	=	74.440 deg. F		
temperature	8 (74.670)	=	74.670 deg. F		
temperature	9 (74.700)	=	74.700 deg. F		
temperature	10 (74.720)	=	74.720 deg. F		
temperature	11 (74.680)	=	74.680 deg. F		
temperature	12 (74.700)	=	74.700 deg. F		
temperature	13 (75.000)	=	75.000 deg. F		
temperature	14 (75.310)	=	75.310 deg. F		
temperature	15 (75.970)	=	75.970 deg. F		
temperature	16 (74.730)	=	74.730 deg. F		
temperature	17 (75.040)	=	75.040 deg. F		
temperature	18 (74.700)	=	74.700 deg. F		
temperature	19 (74.830)	=	74.830 deg. F		
temperature	20 (74.640)	=	74.640 deg. F		
temperature	21 (73.710)	=	73.710 deg. F		
temperature	22 (74.360)	=	74.360 deg. F		
temperature	23 (73.150)	=	73.150 deg. F		
temperature	24 (75.360)	=	75.360 deg. F		
temperature	25 (75.110)	=	75.110 deg. F		
temperature	26 (75.060)	=	75.060 deg. F		
temperature	27 (73.820)	=	73.820 deg. F		
dewpoint	1 (65.400)	=	65.400 deg. F	, 0.3097 psia	
dewpoint	2 (65.030)	=	65.030 deg. F	, 0.3058 psia	
dewpoint	3 (64.940)	=	64.940 deg. F	, 0.3048 psia	
dewpoint	4 (65.010)	=	65.010 deg. F	, 0.3056 psia	
dewpoint	5 (64.930)	=	64.930 deg. F	, 0.3047 psia	
dewpoint	6 (65.120)	=	65.120 deg. F	, 0.3067 psia	
pressure	1 (63.8372)	=	63.8372 psia		
pressure	2 (63.8408)	=	63.8408 psia		

weighted averages, volume and air mass

temperature	=	74.65129 deg. F
pressure	=	63.83900 psia
vapor pressure	=	0.30550 psia
volume	=	2600000 cu. ft.
dry air mass	=	834452.72 lbm



PVNGS 2 1991 ILRT -- TYPE A TEST

data set 73

time = 1045 date = 1219

sensor	raw data	value
temperature 1 (	74.320)	= 74.320 deg. F
temperature 2 (	74.380)	= 74.380 deg. F
temperature 3 (	74.460)	= 74.460 deg. F
temperature 4 (	74.630)	= 74.630 deg. F
temperature 5 (	74.490)	= 74.490 deg. F
temperature 6 (	74.420)	= 74.420 deg. F
temperature 7 (	74.430)	= 74.430 deg. F
temperature 8 (	74.680)	= 74.680 deg. F
temperature 9 (	74.700)	= 74.700 deg. F
temperature 10 (	74.700)	= 74.700 deg. F
temperature 11 (	74.700)	= 74.700 deg. F
temperature 12 (	74.660)	= 74.660 deg. F
temperature 13 (	75.020)	= 75.020 deg. F
temperature 14 (	75.260)	= 75.260 deg. F
temperature 15 (	75.960)	= 75.960 deg. F
temperature 16 (	74.750)	= 74.750 deg. F
temperature 17 (	75.030)	= 75.030 deg. F
temperature 18 (	74.690)	= 74.690 deg. F
temperature 19 (	74.820)	= 74.820 deg. F
temperature 20 (	74.640)	= 74.640 deg. F
temperature 21 (	73.690)	= 73.690 deg. F
temperature 22 (	74.360)	= 74.360 deg. F
temperature 23 (	73.150)	= 73.150 deg. F
temperature 24 (	75.370)	= 75.370 deg. F
temperature 25 (	75.100)	= 75.100 deg. F
temperature 26 (	75.030)	= 75.030 deg. F
temperature 27 (	73.820)	= 73.820 deg. F
dewpoint 1 (	65.280)	= 65.280 deg. F , 0.3084 psia
dewpoint 2 (	65.030)	= 65.030 deg. F , 0.3058 psia
dewpoint 3 (	64.940)	= 64.940 deg. F , 0.3048 psia
dewpoint 4 (	65.000)	= 65.000 deg. F , 0.3055 psia
dewpoint 5 (	64.940)	= 64.940 deg. F , 0.3048 psia
dewpoint 6 (	65.090)	= 65.090 deg. F , 0.3064 psia
pressure 1 (	63.8360)	= 63.8360 psia
pressure 2 (	63.8402)	= 63.8402 psia

weighted averages, volume and air mass

temperature	=	74.64460 deg. F
pressure	=	63.83810 psia
vapor pressure	=	0.30546 psia
volume	=	2600000 cu. ft.
dry air mass	=	834451.85 lbm



PVNGS 2 1991 ILRT -- TYPE A TEST

data set 74

time = 1100 date = 1219

sensor	raw data	value
temperature 1	(74.320)	= 74.320 deg. F
temperature 2	(74.390)	= 74.390 deg. F
temperature 3	(74.430)	= 74.430 deg. F
temperature 4	(74.640)	= 74.640 deg. F
temperature 5	(74.500)	= 74.500 deg. F
temperature 6	(74.410)	= 74.410 deg. F
temperature 7	(74.430)	= 74.430 deg. F
temperature 8	(74.650)	= 74.650 deg. F
temperature 9	(74.680)	= 74.680 deg. F
temperature 10	(74.690)	= 74.690 deg. F
temperature 11	(74.650)	= 74.650 deg. F
temperature 12	(74.680)	= 74.680 deg. F
temperature 13	(75.020)	= 75.020 deg. F
temperature 14	(75.190)	= 75.190 deg. F
temperature 15	(75.950)	= 75.950 deg. F
temperature 16	(74.730)	= 74.730 deg. F
temperature 17	(75.020)	= 75.020 deg. F
temperature 18	(74.690)	= 74.690 deg. F
temperature 19	(74.820)	= 74.820 deg. F
temperature 20	(74.640)	= 74.640 deg. F
temperature 21	(73.690)	= 73.690 deg. F
temperature 22	(74.380)	= 74.380 deg. F
temperature 23	(73.160)	= 73.160 deg. F
temperature 24	(75.380)	= 75.380 deg. F
temperature 25	(75.090)	= 75.090 deg. F
temperature 26	(75.060)	= 75.060 deg. F
temperature 27	(73.830)	= 73.830 deg. F
dewpoint 1	(65.290)	= 65.290 deg. F , 0.3086 psia
dewpoint 2	(65.000)	= 65.000 deg. F , 0.3055 psia
dewpoint 3	(64.920)	= 64.920 deg. F , 0.3046 psia
dewpoint 4	(65.000)	= 65.000 deg. F , 0.3055 psia
dewpoint 5	(64.890)	= 64.890 deg. F , 0.3043 psia
dewpoint 6	(65.080)	= 65.080 deg. F , 0.3063 psia
pressure 1	(63.8356)	= 63.8356 psia
pressure 2	(63.8397)	= 63.8397 psia

weighted averages, volume and air mass

temperature	=	74.63623 deg. F
pressure	=	63.83765 psia
vapor pressure	=	0.30521 psia
volume	=	2600000 cu. ft.
dry air mass	=	834462.29 lbm



PVNGS 2 1991 ILRT -- TYPE A TEST

data set 75

time = 1115 date = 1219

sensor		raw data		value	
temperature	1	(74.330)	=	74.330	deg. F
temperature	2	(74.380)	=	74.380	deg. F
temperature	3	(74.460)	=	74.460	deg. F
temperature	4	(74.620)	=	74.620	deg. F
temperature	5	(74.480)	=	74.480	deg. F
temperature	6	(74.420)	=	74.420	deg. F
temperature	7	(74.430)	=	74.430	deg. F
temperature	8	(74.660)	=	74.660	deg. F
temperature	9	(74.700)	=	74.700	deg. F
temperature	10	(74.690)	=	74.690	deg. F
temperature	11	(74.650)	=	74.650	deg. F
temperature	12	(74.680)	=	74.680	deg. F
temperature	13	(75.020)	=	75.020	deg. F
temperature	14	(75.190)	=	75.190	deg. F
temperature	15	(75.940)	=	75.940	deg. F
temperature	16	(74.720)	=	74.720	deg. F
temperature	17	(75.050)	=	75.050	deg. F
temperature	18	(74.690)	=	74.690	deg. F
temperature	19	(74.820)	=	74.820	deg. F
temperature	20	(74.640)	=	74.640	deg. F
temperature	21	(73.720)	=	73.720	deg. F
temperature	22	(74.370)	=	74.370	deg. F
temperature	23	(73.160)	=	73.160	deg. F
temperature	24	(75.360)	=	75.360	deg. F
temperature	25	(75.130)	=	75.130	deg. F
temperature	26	(75.020)	=	75.020	deg. F
temperature	27	(73.820)	=	73.820	deg. F
dewpoint	1	(65.220)	=	65.220	deg. F , 0.3078 psia
dewpoint	2	(65.030)	=	65.030	deg. F , 0.3058 psia
dewpoint	3	(64.920)	=	64.920	deg. F , 0.3046 psia
dewpoint	4	(64.980)	=	64.980	deg. F , 0.3052 psia
dewpoint	5	(64.850)	=	64.850	deg. F , 0.3039 psia
dewpoint	6	(65.080)	=	65.080	deg. F , 0.3063 psia
pressure	1	(63.8349)	=	63.8349	psia
pressure	2	(63.8387)	=	63.8387	psia

weighted averages, volume and air mass

temperature	=	74.63801 deg. F
pressure	=	63.83680 psia
vapor pressure	=	0.30522 psia
volume	=	2600000 cu. ft.
dry air mass	=	834448.19 lbm



PVNGS 2 1991 ILRT -- TYPE A TEST

data set 76

time = 1130 date = 1219

sensor	raw data	value
temperature 1	(74.320)	= 74.320 deg. F
temperature 2	(74.370)	= 74.370 deg. F
temperature 3	(74.460)	= 74.460 deg. F
temperature 4	(74.610)	= 74.610 deg. F
temperature 5	(74.500)	= 74.500 deg. F
temperature 6	(74.420)	= 74.420 deg. F
temperature 7	(74.430)	= 74.430 deg. F
temperature 8	(74.660)	= 74.660 deg. F
temperature 9	(74.690)	= 74.690 deg. F
temperature 10	(74.700)	= 74.700 deg. F
temperature 11	(74.660)	= 74.660 deg. F
temperature 12	(74.670)	= 74.670 deg. F
temperature 13	(75.020)	= 75.020 deg. F
temperature 14	(75.250)	= 75.250 deg. F
temperature 15	(75.950)	= 75.950 deg. F
temperature 16	(74.710)	= 74.710 deg. F
temperature 17	(75.020)	= 75.020 deg. F
temperature 18	(74.680)	= 74.680 deg. F
temperature 19	(74.820)	= 74.820 deg. F
temperature 20	(74.640)	= 74.640 deg. F
temperature 21	(73.700)	= 73.700 deg. F
temperature 22	(74.360)	= 74.360 deg. F
temperature 23	(73.170)	= 73.170 deg. F
temperature 24	(75.350)	= 75.350 deg. F
temperature 25	(75.110)	= 75.110 deg. F
temperature 26	(75.040)	= 75.040 deg. F
temperature 27	(73.820)	= 73.820 deg. F
dewpoint 1	(65.360)	= 65.360 deg. F , 0.3093 psia
dewpoint 2	(65.000)	= 65.000 deg. F , 0.3055 psia
dewpoint 3	(64.880)	= 64.880 deg. F , 0.3042 psia
dewpoint 4	(64.970)	= 64.970 deg. F , 0.3051 psia
dewpoint 5	(64.820)	= 64.820 deg. F , 0.3035 psia
dewpoint 6	(65.050)	= 65.050 deg. F , 0.3060 psia
pressure 1	(63.8339)	= 63.8339 psia
pressure 2	(63.8378)	= 63.8378 psia

weighted averages, volume and air mass

temperature	=	74.63803 deg. F
pressure	=	63.83585 psia
vapor pressure	=	0.30492 psia
volume	=	2600000 cu. ft.
dry air mass	=	834439.64 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 77

time = 1145 date = 1219

sensor		raw data		value	
temperature	1	(74.330)	=	74.330 deg. F	
temperature	2	(74.370)	=	74.370 deg. F	
temperature	3	(74.430)	=	74.430 deg. F	
temperature	4	(74.610)	=	74.610 deg. F	
temperature	5	(74.480)	=	74.480 deg. F	
temperature	6	(74.390)	=	74.390 deg. F	
temperature	7	(74.420)	=	74.420 deg. F	
temperature	8	(74.650)	=	74.650 deg. F	
temperature	9	(74.680)	=	74.680 deg. F	
temperature	10	(74.670)	=	74.670 deg. F	
temperature	11	(74.660)	=	74.660 deg. F	
temperature	12	(74.680)	=	74.680 deg. F	
temperature	13	(75.000)	=	75.000 deg. F	
temperature	14	(75.160)	=	75.160 deg. F	
temperature	15	(75.950)	=	75.950 deg. F	
temperature	16	(74.710)	=	74.710 deg. F	
temperature	17	(74.990)	=	74.990 deg. F	
temperature	18	(74.690)	=	74.690 deg. F	
temperature	19	(74.810)	=	74.810 deg. F	
temperature	20	(74.640)	=	74.640 deg. F	
temperature	21	(73.700)	=	73.700 deg. F	
temperature	22	(74.370)	=	74.370 deg. F	
temperature	23	(73.160)	=	73.160 deg. F	
temperature	24	(75.350)	=	75.350 deg. F	
temperature	25	(75.120)	=	75.120 deg. F	
temperature	26	(75.040)	=	75.040 deg. F	
temperature	27	(73.830)	=	73.830 deg. F	
dewpoint	1	(65.420)	=	65.420 deg. F	, 0.3100 psia
dewpoint	2	(64.950)	=	64.950 deg. F	, 0.3049 psia
dewpoint	3	(64.890)	=	64.890 deg. F	, 0.3043 psia
dewpoint	4	(64.940)	=	64.940 deg. F	, 0.3048 psia
dewpoint	5	(64.880)	=	64.880 deg. F	, 0.3042 psia
dewpoint	6	(65.040)	=	65.040 deg. F	, 0.3059 psia
pressure	1	(63.8336)	=	63.8336 psia	
pressure	2	(63.8371)	=	63.8371 psia	

weighted averages, volume and air mass

temperature	=	74.62615 deg. F
pressure	=	63.83535 psia
vapor pressure	=	0.30478 psia
volume	=	2600000 cu. ft.
dry air mass	=	834453.51 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 78

time = 1200 date = 1219

sensor		raw data		value		
temperature	1	(	74.310)	=	74.310	deg. F
temperature	2	(	74.380)	=	74.380	deg. F
temperature	3	(	74.410)	=	74.410	deg. F
temperature	4	(	74.590)	=	74.590	deg. F
temperature	5	(	74.470)	=	74.470	deg. F
temperature	6	(	74.410)	=	74.410	deg. F
temperature	7	(	74.410)	=	74.410	deg. F
temperature	8	(	74.650)	=	74.650	deg. F
temperature	9	(	74.690)	=	74.690	deg. F
temperature	10	(	74.670)	=	74.670	deg. F
temperature	11	(	74.620)	=	74.620	deg. F
temperature	12	(	74.660)	=	74.660	deg. F
temperature	13	(	74.990)	=	74.990	deg. F
temperature	14	(	75.300)	=	75.300	deg. F
temperature	15	(	75.950)	=	75.950	deg. F
temperature	16	(	74.760)	=	74.760	deg. F
temperature	17	(	74.990)	=	74.990	deg. F
temperature	18	(	74.680)	=	74.680	deg. F
temperature	19	(	74.810)	=	74.810	deg. F
temperature	20	(	74.630)	=	74.630	deg. F
temperature	21	(	73.700)	=	73.700	deg. F
temperature	22	(	74.370)	=	74.370	deg. F
temperature	23	(	73.170)	=	73.170	deg. F
temperature	24	(	75.350)	=	75.350	deg. F
temperature	25	(	75.130)	=	75.130	deg. F
temperature	26	(	75.010)	=	75.010	deg. F
temperature	27	(	73.820)	=	73.820	deg. F
dewpoint	1	(	65.270)	=	65.270	deg. F , 0.3083 psia
dewpoint	2	(	65.030)	=	65.030	deg. F , 0.3058 psia
dewpoint	3	(	64.880)	=	64.880	deg. F , 0.3042 psia
dewpoint	4	(	64.910)	=	64.910	deg. F , 0.3045 psia
dewpoint	5	(	64.850)	=	64.850	deg. F , 0.3039 psia
dewpoint	6	(	65.030)	=	65.030	deg. F , 0.3058 psia
pressure	1	(	63.8326)	=	63.8326	psia
pressure	2	(	63.8362)	=	63.8362	psia

weighted averages, volume and air mass

temperature	=	74.62912	deg. F
pressure	=	63.83440	psia
vapor pressure	=	0.30494	psia
volume	=	2600000	cu. ft.
dry air mass	=	834434.27	lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 79

time = 1215 date = 1219

sensor	raw data	value
temperature 1	(74.270)	= 74.270 deg. F
temperature 2	(74.370)	= 74.370 deg. F
temperature 3	(74.420)	= 74.420 deg. F
temperature 4	(74.600)	= 74.600 deg. F
temperature 5	(74.480)	= 74.480 deg. F
temperature 6	(74.400)	= 74.400 deg. F
temperature 7	(74.420)	= 74.420 deg. F
temperature 8	(74.630)	= 74.630 deg. F
temperature 9	(74.650)	= 74.650 deg. F
temperature 10	(74.660)	= 74.660 deg. F
temperature 11	(74.640)	= 74.640 deg. F
temperature 12	(74.670)	= 74.670 deg. F
temperature 13	(74.980)	= 74.980 deg. F
temperature 14	(75.190)	= 75.190 deg. F
temperature 15	(75.940)	= 75.940 deg. F
temperature 16	(74.750)	= 74.750 deg. F
temperature 17	(75.010)	= 75.010 deg. F
temperature 18	(74.690)	= 74.690 deg. F
temperature 19	(74.810)	= 74.810 deg. F
temperature 20	(74.630)	= 74.630 deg. F
temperature 21	(73.690)	= 73.690 deg. F
temperature 22	(74.370)	= 74.370 deg. F
temperature 23	(73.180)	= 73.180 deg. F
temperature 24	(75.390)	= 75.390 deg. F
temperature 25	(75.110)	= 75.110 deg. F
temperature 26	(75.040)	= 75.040 deg. F
temperature 27	(73.820)	= 73.820 deg. F
dewpoint 1	(65.240)	= 65.240 deg. F , 0.3080 psia
dewpoint 2	(64.960)	= 64.960 deg. F , 0.3050 psia
dewpoint 3	(64.840)	= 64.840 deg. F , 0.3038 psia
dewpoint 4	(64.930)	= 64.930 deg. F , 0.3047 psia
dewpoint 5	(64.820)	= 64.820 deg. F , 0.3035 psia
dewpoint 6	(65.020)	= 65.020 deg. F , 0.3057 psia
pressure 1	(63.8319)	= 63.8319 psia
pressure 2	(63.8355)	= 63.8355 psia

weighted averages, volume and air mass

temperature	=	74.62289 deg. F
pressure	=	63.83370 psia
vapor pressure	=	0.30457 psia
volume	=	2600000 cu. ft.
dry air mass	=	834439.68 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 80

time = 1230 date = 1219

sensor		raw data		value	
temperature	1	(74.290)	=	74.290 deg. F	
temperature	2	(74.350)	=	74.350 deg. F	
temperature	3	(74.420)	=	74.420 deg. F	
temperature	4	(74.600)	=	74.600 deg. F	
temperature	5	(74.470)	=	74.470 deg. F	
temperature	6	(74.390)	=	74.390 deg. F	
temperature	7	(74.400)	=	74.400 deg. F	
temperature	8	(74.630)	=	74.630 deg. F	
temperature	9	(74.640)	=	74.640 deg. F	
temperature	10	(74.670)	=	74.670 deg. F	
temperature	11	(74.620)	=	74.620 deg. F	
temperature	12	(74.670)	=	74.670 deg. F	
temperature	13	(74.980)	=	74.980 deg. F	
temperature	14	(75.150)	=	75.150 deg. F	
temperature	15	(75.930)	=	75.930 deg. F	
temperature	16	(74.680)	=	74.680 deg. F	
temperature	17	(74.990)	=	74.990 deg. F	
temperature	18	(74.670)	=	74.670 deg. F	
temperature	19	(74.810)	=	74.810 deg. F	
temperature	20	(74.630)	=	74.630 deg. F	
temperature	21	(73.700)	=	73.700 deg. F	
temperature	22	(74.370)	=	74.370 deg. F	
temperature	23	(73.190)	=	73.190 deg. F	
temperature	24	(75.400)	=	75.400 deg. F	
temperature	25	(75.130)	=	75.130 deg. F	
temperature	26	(75.040)	=	75.040 deg. F	
temperature	27	(73.840)	=	73.840 deg. F	
dewpoint	1	(65.180)	=	65.180 deg. F	, 0.3074 psia
dewpoint	2	(64.950)	=	64.950 deg. F	, 0.3049 psia
dewpoint	3	(64.800)	=	64.800 deg. F	, 0.3033 psia
dewpoint	4	(64.910)	=	64.910 deg. F	, 0.3045 psia
dewpoint	5	(64.800)	=	64.800 deg. F	, 0.3033 psia
dewpoint	6	(65.020)	=	65.020 deg. F	, 0.3057 psia
pressure	1	(63.8307)	=	63.8307 psia	
pressure	2	(63.8350)	=	63.8350 psia	

weighted averages, volume and air mass

temperature	=	74.61407 deg. F
pressure	=	63.83285 psia
vapor pressure	=	0.30438 psia
volume	=	2600000 cu. ft.
dry air mass	=	834444.74 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 81

time = 1245 date = 1219

sensor	raw data	value
temperature 1	(74.260)	= 74.260 deg. F
temperature 2	(74.350)	= 74.350 deg. F
temperature 3	(74.410)	= 74.410 deg. F
temperature 4	(74.600)	= 74.600 deg. F
temperature 5	(74.450)	= 74.450 deg. F
temperature 6	(74.400)	= 74.400 deg. F
temperature 7	(74.390)	= 74.390 deg. F
temperature 8	(74.640)	= 74.640 deg. F
temperature 9	(74.650)	= 74.650 deg. F
temperature 10	(74.680)	= 74.680 deg. F
temperature 11	(74.640)	= 74.640 deg. F
temperature 12	(74.580)	= 74.580 deg. F
temperature 13	(74.980)	= 74.980 deg. F
temperature 14	(75.270)	= 75.270 deg. F
temperature 15	(75.940)	= 75.940 deg. F
temperature 16	(74.680)	= 74.680 deg. F
temperature 17	(74.990)	= 74.990 deg. F
temperature 18	(74.650)	= 74.650 deg. F
temperature 19	(74.810)	= 74.810 deg. F
temperature 20	(74.630)	= 74.630 deg. F
temperature 21	(73.690)	= 73.690 deg. F
temperature 22	(74.360)	= 74.360 deg. F
temperature 23	(73.180)	= 73.180 deg. F
temperature 24	(75.360)	= 75.360 deg. F
temperature 25	(75.130)	= 75.130 deg. F
temperature 26	(75.030)	= 75.030 deg. F
temperature 27	(73.810)	= 73.810 deg. F
dewpoint 1	(65.240)	= 65.240 deg. F , 0.3080 psia
dewpoint 2	(64.920)	= 64.920 deg. F , 0.3046 psia
dewpoint 3	(64.840)	= 64.840 deg. F , 0.3038 psia
dewpoint 4	(64.900)	= 64.900 deg. F , 0.3044 psia
dewpoint 5	(64.820)	= 64.820 deg. F , 0.3035 psia
dewpoint 6	(65.000)	= 65.000 deg. F , 0.3055 psia
pressure 1	(63.8303)	= 63.8303 psia
pressure 2	(63.8342)	= 63.8342 psia

weighted averages, volume and air mass

temperature	=	74.61259 deg. F
pressure	=	63.83225 psia
vapor pressure	=	0.30434 psia
volume	=	2600000 cu. ft.
dry air mass	=	834439.78 lbm



PVNGS 2 1991 ILRT -- TYPE A TEST

data set 82

time = 1300 date = 1219

sensor		raw data		value	
temperature	1	(74.290)	=	74.290	deg. F
temperature	2	(74.340)	=	74.340	deg. F
temperature	3	(74.420)	=	74.420	deg. F
temperature	4	(74.610)	=	74.610	deg. F
temperature	5	(74.470)	=	74.470	deg. F
temperature	6	(74.380)	=	74.380	deg. F
temperature	7	(74.400)	=	74.400	deg. F
temperature	8	(74.620)	=	74.620	deg. F
temperature	9	(74.650)	=	74.650	deg. F
temperature	10	(74.670)	=	74.670	deg. F
temperature	11	(74.640)	=	74.640	deg. F
temperature	12	(74.630)	=	74.630	deg. F
temperature	13	(74.980)	=	74.980	deg. F
temperature	14	(75.210)	=	75.210	deg. F
temperature	15	(75.930)	=	75.930	deg. F
temperature	16	(74.680)	=	74.680	deg. F
temperature	17	(74.990)	=	74.990	deg. F
temperature	18	(74.660)	=	74.660	deg. F
temperature	19	(74.810)	=	74.810	deg. F
temperature	20	(74.620)	=	74.620	deg. F
temperature	21	(73.690)	=	73.690	deg. F
temperature	22	(74.370)	=	74.370	deg. F
temperature	23	(73.190)	=	73.190	deg. F
temperature	24	(75.330)	=	75.330	deg. F
temperature	25	(75.080)	=	75.080	deg. F
temperature	26	(75.010)	=	75.010	deg. F
temperature	27	(73.820)	=	73.820	deg. F
dewpoint	1	(65.120)	=	65.120	deg. F , 0.3067 psia
dewpoint	2	(64.910)	=	64.910	deg. F , 0.3045 psia
dewpoint	3	(64.830)	=	64.830	deg. F , 0.3036 psia
dewpoint	4	(64.890)	=	64.890	deg. F , 0.3043 psia
dewpoint	5	(64.790)	=	64.790	deg. F , 0.3032 psia
dewpoint	6	(64.980)	=	64.980	deg. F , 0.3052 psia
pressure	1	(63.8298)	=	63.8298	psia
pressure	2	(63.8331)	=	63.8331	psia

weighted averages, volume and air mass

temperature	=	74.61246 deg. F
pressure	=	63.83145 psia
vapor pressure	=	0.30419 psia
volume	=	2600000 cu. ft.
dry air mass	=	834431.42 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 83

time = 1315 date = 1219

sensor	raw data	value
temperature 1 (74.290)	=	74.290 deg. F
temperature 2 (74.360)	=	74.360 deg. F
temperature 3 (74.420)	=	74.420 deg. F
temperature 4 (74.550)	=	74.550 deg. F
temperature 5 (74.450)	=	74.450 deg. F
temperature 6 (74.420)	=	74.420 deg. F
temperature 7 (74.400)	=	74.400 deg. F
temperature 8 (74.630)	=	74.630 deg. F
temperature 9 (74.630)	=	74.630 deg. F
temperature 10 (74.660)	=	74.660 deg. F
temperature 11 (74.620)	=	74.620 deg. F
temperature 12 (74.640)	=	74.640 deg. F
temperature 13 (74.960)	=	74.960 deg. F
temperature 14 (75.270)	=	75.270 deg. F
temperature 15 (75.910)	=	75.910 deg. F
temperature 16 (74.680)	=	74.680 deg. F
temperature 17 (74.970)	=	74.970 deg. F
temperature 18 (74.640)	=	74.640 deg. F
temperature 19 (74.800)	=	74.800 deg. F
temperature 20 (74.620)	=	74.620 deg. F
temperature 21 (73.680)	=	73.680 deg. F
temperature 22 (74.370)	=	74.370 deg. F
temperature 23 (73.180)	=	73.180 deg. F
temperature 24 (75.310)	=	75.310 deg. F
temperature 25 (75.110)	=	75.110 deg. F
temperature 26 (74.990)	=	74.990 deg. F
temperature 27 (73.840)	=	73.840 deg. F
dewpoint 1 (65.260)	=	65.260 deg. F , 0.3082 psia
dewpoint 2 (64.910)	=	64.910 deg. F , 0.3045 psia
dewpoint 3 (64.800)	=	64.800 deg. F , 0.3033 psia
dewpoint 4 (64.870)	=	64.870 deg. F , 0.3041 psia
dewpoint 5 (64.760)	=	64.760 deg. F , 0.3029 psia
dewpoint 6 (64.970)	=	64.970 deg. F , 0.3051 psia
pressure 1 (63.8289)	=	63.8289 psia
pressure 2 (63.8327)	=	63.8327 psia

weighted averages, volume and air mass

temperature	=	74.60783 deg. F
pressure	=	63.83080 psia
vapor pressure	=	0.30403 psia
volume	=	2600000 cu. ft.
dry air mass	=	834432.22 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 84

time = 1330 date = 1219

sensor		raw data		value
temperature	1	(74.270)	=	74.270 deg. F
temperature	2	(74.340)	=	74.340 deg. F
temperature	3	(74.410)	=	74.410 deg. F
temperature	4	(74.580)	=	74.580 deg. F
temperature	5	(74.470)	=	74.470 deg. F
temperature	6	(74.400)	=	74.400 deg. F
temperature	7	(74.390)	=	74.390 deg. F
temperature	8	(74.630)	=	74.630 deg. F
temperature	9	(74.640)	=	74.640 deg. F
temperature	10	(74.660)	=	74.660 deg. F
temperature	11	(74.620)	=	74.620 deg. F
temperature	12	(74.660)	=	74.660 deg. F
temperature	13	(74.950)	=	74.950 deg. F
temperature	14	(75.310)	=	75.310 deg. F
temperature	15	(75.930)	=	75.930 deg. F
temperature	16	(74.660)	=	74.660 deg. F
temperature	17	(74.990)	=	74.990 deg. F
temperature	18	(74.660)	=	74.660 deg. F
temperature	19	(74.800)	=	74.800 deg. F
temperature	20	(74.620)	=	74.620 deg. F
temperature	21	(73.700)	=	73.700 deg. F
temperature	22	(74.370)	=	74.370 deg. F
temperature	23	(73.190)	=	73.190 deg. F
temperature	24	(75.330)	=	75.330 deg. F
temperature	25	(75.100)	=	75.100 deg. F
temperature	26	(75.040)	=	75.040 deg. F
temperature	27	(73.830)	=	73.830 deg. F
dewpoint	1	(65.260)	=	65.260 deg. F , 0.3082 psia
dewpoint	2	(64.890)	=	64.890 deg. F , 0.3043 psia
dewpoint	3	(64.790)	=	64.790 deg. F , 0.3032 psia
dewpoint	4	(64.830)	=	64.830 deg. F , 0.3036 psia
dewpoint	5	(64.640)	=	64.640 deg. F , 0.3016 psia
dewpoint	6	(64.950)	=	64.950 deg. F , 0.3049 psia
pressure	1	(63.8288)	=	63.8288 psia
pressure	2	(63.8323)	=	63.8323 psia

weighted averages, volume and air mass

temperature	=	74.61240 deg. F
pressure	=	63.83055 psia
vapor pressure	=	0.30364 psia
volume	=	2600000 cu. ft.
dry air mass	=	834426.89 lbm



PVNGS 2 1991 ILRT -- TYPE A TEST

data set 85

time = 1345 date = 1219

sensor	raw data	value
temperature 1 (	74.290)	= 74.290 deg. F
temperature 2 (	74.340)	= 74.340 deg. F
temperature 3 (	74.380)	= 74.380 deg. F
temperature 4 (	74.550)	= 74.550 deg. F
temperature 5 (	74.450)	= 74.450 deg. F
temperature 6 (	74.370)	= 74.370 deg. F
temperature 7 (	74.400)	= 74.400 deg. F
temperature 8 (	74.620)	= 74.620 deg. F
temperature 9 (	74.650)	= 74.650 deg. F
temperature 10 (	74.620)	= 74.620 deg. F
temperature 11 (	74.610)	= 74.610 deg. F
temperature 12 (	74.670)	= 74.670 deg. F
temperature 13 (	74.960)	= 74.960 deg. F
temperature 14 (	75.290)	= 75.290 deg. F
temperature 15 (	75.930)	= 75.930 deg. F
temperature 16 (	74.730)	= 74.730 deg. F
temperature 17 (	74.970)	= 74.970 deg. F
temperature 18 (	74.650)	= 74.650 deg. F
temperature 19 (	74.800)	= 74.800 deg. F
temperature 20 (	74.620)	= 74.620 deg. F
temperature 21 (	73.710)	= 73.710 deg. F
temperature 22 (	74.360)	= 74.360 deg. F
temperature 23 (	73.190)	= 73.190 deg. F
temperature 24 (	75.350)	= 75.350 deg. F
temperature 25 (	75.090)	= 75.090 deg. F
temperature 26 (	75.000)	= 75.000 deg. F
temperature 27 (	73.840)	= 73.840 deg. F
dewpoint 1 (	65.230)	= 65.230 deg. F , 0.3079 psia
dewpoint 2 (	64.860)	= 64.860 deg. F , 0.3040 psia
dewpoint 3 (	64.780)	= 64.780 deg. F , 0.3031 psia
dewpoint 4 (	64.860)	= 64.860 deg. F , 0.3040 psia
dewpoint 5 (	64.820)	= 64.820 deg. F , 0.3035 psia
dewpoint 6 (	64.960)	= 64.960 deg. F , 0.3050 psia
pressure 1 (	63.8277)	= 63.8277 psia
pressure 2 (	63.8313)	= 63.8313 psia

weighted averages, volume and air mass

temperature	=	74.60872 deg. F
pressure	=	63.82950 psia
vapor pressure	=	0.30386 psia
volume	=	2600000 cu. ft.
dry air mass	=	834415.93 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 86

time = 1400 date = 1219

sensor	raw data	value
temperature 1	(74.290)	= 74.290 deg. F
temperature 2	(74.330)	= 74.330 deg. F
temperature 3	(74.380)	= 74.380 deg. F
temperature 4	(74.560)	= 74.560 deg. F
temperature 5	(74.440)	= 74.440 deg. F
temperature 6	(74.370)	= 74.370 deg. F
temperature 7	(74.370)	= 74.370 deg. F
temperature 8	(74.600)	= 74.600 deg. F
temperature 9	(74.610)	= 74.610 deg. F
temperature 10	(74.620)	= 74.620 deg. F
temperature 11	(74.600)	= 74.600 deg. F
temperature 12	(74.590)	= 74.590 deg. F
temperature 13	(74.940)	= 74.940 deg. F
temperature 14	(75.260)	= 75.260 deg. F
temperature 15	(75.910)	= 75.910 deg. F
temperature 16	(74.620)	= 74.620 deg. F
temperature 17	(74.960)	= 74.960 deg. F
temperature 18	(74.630)	= 74.630 deg. F
temperature 19	(74.790)	= 74.790 deg. F
temperature 20	(74.620)	= 74.620 deg. F
temperature 21	(73.680)	= 73.680 deg. F
temperature 22	(74.360)	= 74.360 deg. F
temperature 23	(73.190)	= 73.190 deg. F
temperature 24	(75.370)	= 75.370 deg. F
temperature 25	(75.110)	= 75.110 deg. F
temperature 26	(75.030)	= 75.030 deg. F
temperature 27	(73.820)	= 73.820 deg. F
dewpoint 1	(65.160)	= 65.160 deg. F , 0.3072 psia
dewpoint 2	(64.880)	= 64.880 deg. F , 0.3042 psia
dewpoint 3	(64.750)	= 64.750 deg. F , 0.3028 psia
dewpoint 4	(64.810)	= 64.810 deg. F , 0.3034 psia
dewpoint 5	(64.720)	= 64.720 deg. F , 0.3025 psia
dewpoint 6	(64.940)	= 64.940 deg. F , 0.3048 psia
pressure 1	(63.8267)	= 63.8267 psia
pressure 2	(63.8305)	= 63.8305 psia

weighted averages, volume and air mass

temperature	=	74.58942 deg. F
pressure	=	63.82860 psia
vapor pressure	=	0.30359 psia
volume	=	2600000 cu. ft.
dry air mass	=	834437.75 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 87

time = 1415 date = 1219

sensor		raw data		value	
temperature	1 (74.260)	=	74.260 deg. F		
temperature	2 (74.310)	=	74.310 deg. F		
temperature	3 (74.360)	=	74.360 deg. F		
temperature	4 (74.550)	=	74.550 deg. F		
temperature	5 (74.420)	=	74.420 deg. F		
temperature	6 (74.370)	=	74.370 deg. F		
temperature	7 (74.370)	=	74.370 deg. F		
temperature	8 (74.590)	=	74.590 deg. F		
temperature	9 (74.630)	=	74.630 deg. F		
temperature	10 (74.630)	=	74.630 deg. F		
temperature	11 (74.600)	=	74.600 deg. F		
temperature	12 (74.610)	=	74.610 deg. F		
temperature	13 (74.940)	=	74.940 deg. F		
temperature	14 (75.250)	=	75.250 deg. F		
temperature	15 (75.910)	=	75.910 deg. F		
temperature	16 (74.660)	=	74.660 deg. F		
temperature	17 (74.960)	=	74.960 deg. F		
temperature	18 (74.640)	=	74.640 deg. F		
temperature	19 (74.790)	=	74.790 deg. F		
temperature	20 (74.620)	=	74.620 deg. F		
temperature	21 (73.690)	=	73.690 deg. F		
temperature	22 (74.370)	=	74.370 deg. F		
temperature	23 (73.200)	=	73.200 deg. F		
temperature	24 (75.320)	=	75.320 deg. F		
temperature	25 (75.090)	=	75.090 deg. F		
temperature	26 (75.010)	=	75.010 deg. F		
temperature	27 (73.830)	=	73.830 deg. F		
dewpoint	1 (65.290)	=	65.290 deg. F	, 0.3086 psia	
dewpoint	2 (64.840)	=	64.840 deg. F	, 0.3038 psia	
dewpoint	3 (64.760)	=	64.760 deg. F	, 0.3029 psia	
dewpoint	4 (64.820)	=	64.820 deg. F	, 0.3035 psia	
dewpoint	5 (64.740)	=	64.740 deg. F	, 0.3027 psia	
dewpoint	6 (64.910)	=	64.910 deg. F	, 0.3045 psia	
pressure	1 (63.8258)	=	63.8258 psia		
pressure	2 (63.8302)	=	63.8302 psia		

weighted averages, volume and air mass

temperature	=	74.58890 deg. F
pressure	=	63.82800 psia
vapor pressure	=	0.30348 psia
volume	=	2600000 cu. ft.
dry air mass	=	834432.27 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 88

time = 1430 date = 1219

sensor		raw data	=	value	
temperature	1	(74.220)	=	74.220	deg. F
temperature	2	(74.330)	=	74.330	deg. F
temperature	3	(74.400)	=	74.400	deg. F
temperature	4	(74.570)	=	74.570	deg. F
temperature	5	(74.420)	=	74.420	deg. F
temperature	6	(74.350)	=	74.350	deg. F
temperature	7	(74.380)	=	74.380	deg. F
temperature	8	(74.610)	=	74.610	deg. F
temperature	9	(74.640)	=	74.640	deg. F
temperature	10	(74.640)	=	74.640	deg. F
temperature	11	(74.600)	=	74.600	deg. F
temperature	12	(74.650)	=	74.650	deg. F
temperature	13	(74.940)	=	74.940	deg. F
temperature	14	(75.190)	=	75.190	deg. F
temperature	15	(75.910)	=	75.910	deg. F
temperature	16	(74.690)	=	74.690	deg. F
temperature	17	(74.950)	=	74.950	deg. F
temperature	18	(74.650)	=	74.650	deg. F
temperature	19	(74.790)	=	74.790	deg. F
temperature	20	(74.620)	=	74.620	deg. F
temperature	21	(73.700)	=	73.700	deg. F
temperature	22	(74.370)	=	74.370	deg. F
temperature	23	(73.200)	=	73.200	deg. F
temperature	24	(75.310)	=	75.310	deg. F
temperature	25	(75.070)	=	75.070	deg. F
temperature	26	(75.010)	=	75.010	deg. F
temperature	27	(73.830)	=	73.830	deg. F
dewpoint	1	(65.160)	=	65.160	deg. F , 0.3072 psia
dewpoint	2	(64.870)	=	64.870	deg. F , 0.3041 psia
dewpoint	3	(64.740)	=	64.740	deg. F , 0.3027 psia
dewpoint	4	(64.820)	=	64.820	deg. F , 0.3035 psia
dewpoint	5	(64.720)	=	64.720	deg. F , 0.3025 psia
dewpoint	6	(64.910)	=	64.910	deg. F , 0.3045 psia
pressure	1	(63.8249)	=	63.8249	psia
pressure	2	(63.8292)	=	63.8292	psia

weighted averages, volume and air mass

temperature	=	74.59340	deg. F
pressure	=	63.82705	psia
vapor pressure	=	0.30352	psia
volume	=	2600000	cu. ft.
dry air mass	=	834412.20	lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 89

time = 1445 date = 1219

sensor		raw data		value	
temperature	1 (74.240)	=	74.240 deg. F		
temperature	2 (74.320)	=	74.320 deg. F		
temperature	3 (74.360)	=	74.360 deg. F		
temperature	4 (74.540)	=	74.540 deg. F		
temperature	5 (74.430)	=	74.430 deg. F		
temperature	6 (74.350)	=	74.350 deg. F		
temperature	7 (74.360)	=	74.360 deg. F		
temperature	8 (74.590)	=	74.590 deg. F		
temperature	9 (74.610)	=	74.610 deg. F		
temperature	10 (74.610)	=	74.610 deg. F		
temperature	11 (74.590)	=	74.590 deg. F		
temperature	12 (74.600)	=	74.600 deg. F		
temperature	13 (74.930)	=	74.930 deg. F		
temperature	14 (75.260)	=	75.260 deg. F		
temperature	15 (75.890)	=	75.890 deg. F		
temperature	16 (74.710)	=	74.710 deg. F		
temperature	17 (74.940)	=	74.940 deg. F		
temperature	18 (74.630)	=	74.630 deg. F		
temperature	19 (74.780)	=	74.780 deg. F		
temperature	20 (74.610)	=	74.610 deg. F		
temperature	21 (73.690)	=	73.690 deg. F		
temperature	22 (74.370)	=	74.370 deg. F		
temperature	23 (73.200)	=	73.200 deg. F		
temperature	24 (75.300)	=	75.300 deg. F		
temperature	25 (75.080)	=	75.080 deg. F		
temperature	26 (74.980)	=	74.980 deg. F		
temperature	27 (73.820)	=	73.820 deg. F		
dewpoint	1 (65.170)	=	65.170 deg. F	, 0.3073 psia	
dewpoint	2 (64.840)	=	64.840 deg. F	, 0.3038 psia	
dewpoint	3 (64.730)	=	64.730 deg. F	, 0.3026 psia	
dewpoint	4 (64.790)	=	64.790 deg. F	, 0.3032 psia	
dewpoint	5 (64.710)	=	64.710 deg. F	, 0.3024 psia	
dewpoint	6 (64.910)	=	64.910 deg. F	, 0.3045 psia	
pressure	1 (63.8243)	=	63.8243 psia		
pressure	2 (63.8285)	=	63.8285 psia		

weighted averages, volume and air mass

temperature	=	74.58330 deg. F
pressure	=	63.82640 psia
vapor pressure	=	0.30331 psia
volume	=	2600000 cu. ft.
dry air mass	=	834422.17 lbm

PVNGS 2 1991 ILRT. -- TYPE A TEST

data set 90

time = 1500 date = 1219

sensor	raw data	value
temperature 1	(74.250)	= 74.250 deg. F
temperature 2	(74.310)	= 74.310 deg. F
temperature 3	(74.370)	= 74.370 deg. F
temperature 4	(74.550)	= 74.550 deg. F
temperature 5	(74.420)	= 74.420 deg. F
temperature 6	(74.320)	= 74.320 deg. F
temperature 7	(74.370)	= 74.370 deg. F
temperature 8	(74.580)	= 74.580 deg. F
temperature 9	(74.620)	= 74.620 deg. F
temperature 10	(74.610)	= 74.610 deg. F
temperature 11	(74.590)	= 74.590 deg. F
temperature 12	(74.640)	= 74.640 deg. F
temperature 13	(74.920)	= 74.920 deg. F
temperature 14	(75.180)	= 75.180 deg. F
temperature 15	(75.910)	= 75.910 deg. F
temperature 16	(74.670)	= 74.670 deg. F
temperature 17	(74.940)	= 74.940 deg. F
temperature 18	(74.640)	= 74.640 deg. F
temperature 19	(74.780)	= 74.780 deg. F
temperature 20	(74.620)	= 74.620 deg. F
temperature 21	(73.690)	= 73.690 deg. F
temperature 22	(74.370)	= 74.370 deg. F
temperature 23	(73.210)	= 73.210 deg. F
temperature 24	(75.330)	= 75.330 deg. F
temperature 25	(75.070)	= 75.070 deg. F
temperature 26	(74.970)	= 74.970 deg. F
temperature 27	(73.820)	= 73.820 deg. F
dewpoint 1	(65.110)	= 65.110 deg. F , 0.3066 psia
dewpoint 2	(64.820)	= 64.820 deg. F , 0.3035 psia
dewpoint 3	(64.740)	= 64.740 deg. F , 0.3027 psia
dewpoint 4	(64.780)	= 64.780 deg. F , 0.3031 psia
dewpoint 5	(64.700)	= 64.700 deg. F , 0.3023 psia
dewpoint 6	(64.880)	= 64.880 deg. F , 0.3042 psia
pressure 1	(63.8238)	= 63.8238 psia
pressure 2	(63.8280)	= 63.8280 psia

weighted averages, volume and air mass

temperature	=	74.58163 deg. F
pressure	=	63.82590 psia
vapor pressure	=	0.30318 psia
volume	=	2600000 cu. ft.
dry air mass	=	834419.82 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 91

time = 1515 date = 1219

sensor	raw data	value
temperature 1	(74.250)	= 74.250 deg. F
temperature 2	(74.310)	= 74.310 deg. F
temperature 3	(74.370)	= 74.370 deg. F
temperature 4	(74.530)	= 74.530 deg. F
temperature 5	(74.380)	= 74.380 deg. F
temperature 6	(74.340)	= 74.340 deg. F
temperature 7	(74.350)	= 74.350 deg. F
temperature 8	(74.600)	= 74.600 deg. F
temperature 9	(74.630)	= 74.630 deg. F
temperature 10	(74.620)	= 74.620 deg. F
temperature 11	(74.590)	= 74.590 deg. F
temperature 12	(74.580)	= 74.580 deg. F
temperature 13	(74.940)	= 74.940 deg. F
temperature 14	(75.270)	= 75.270 deg. F
temperature 15	(75.910)	= 75.910 deg. F
temperature 16	(74.660)	= 74.660 deg. F
temperature 17	(74.960)	= 74.960 deg. F
temperature 18	(74.640)	= 74.640 deg. F
temperature 19	(74.780)	= 74.780 deg. F
temperature 20	(74.610)	= 74.610 deg. F
temperature 21	(73.700)	= 73.700 deg. F
temperature 22	(74.360)	= 74.360 deg. F
temperature 23	(73.210)	= 73.210 deg. F
temperature 24	(75.300)	= 75.300 deg. F
temperature 25	(75.070)	= 75.070 deg. F
temperature 26	(74.950)	= 74.950 deg. F
temperature 27	(73.840)	= 73.840 deg. F
dewpoint 1	(65.230)	= 65.230 deg. F , 0.3079 psia
dewpoint 2	(64.790)	= 64.790 deg. F , 0.3032 psia
dewpoint 3	(64.700)	= 64.700 deg. F , 0.3023 psia
dewpoint 4	(64.760)	= 64.760 deg. F , 0.3029 psia
dewpoint 5	(64.680)	= 64.680 deg. F , 0.3021 psia
dewpoint 6	(64.880)	= 64.880 deg. F , 0.3042 psia
pressure 1	(63.8237)	= 63.8237 psia
pressure 2	(63.8268)	= 63.8268 psia

weighted averages, volume and air mass

temperature	=	74.58193 deg. F
pressure	=	63.82525 psia
vapor pressure	=	0.30292 psia
volume	=	2600000 cu. ft.
dry air mass	=	834414.32 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 92

time = 1530 date = 1219

sensor		raw data		value	
temperature	1 (74.220)	=	74.220 deg. F		
temperature	2 (74.290)	=	74.290 deg. F		
temperature	3 (74.370)	=	74.370 deg. F		
temperature	4 (74.540)	=	74.540 deg. F		
temperature	5 (74.430)	=	74.430 deg. F		
temperature	6 (74.350)	=	74.350 deg. F		
temperature	7 (74.350)	=	74.350 deg. F		
temperature	8 (74.580)	=	74.580 deg. F		
temperature	9 (74.610)	=	74.610 deg. F		
temperature	10 (74.610)	=	74.610 deg. F		
temperature	11 (74.600)	=	74.600 deg. F		
temperature	12 (74.600)	=	74.600 deg. F		
temperature	13 (74.940)	=	74.940 deg. F		
temperature	14 (75.310)	=	75.310 deg. F		
temperature	15 (75.900)	=	75.900 deg. F		
temperature	16 (74.690)	=	74.690 deg. F		
temperature	17 (74.940)	=	74.940 deg. F		
temperature	18 (74.620)	=	74.620 deg. F		
temperature	19 (74.780)	=	74.780 deg. F		
temperature	20 (74.610)	=	74.610 deg. F		
temperature	21 (73.700)	=	73.700 deg. F		
temperature	22 (74.370)	=	74.370 deg. F		
temperature	23 (73.210)	=	73.210 deg. F		
temperature	24 (75.290)	=	75.290 deg. F		
temperature	25 (75.090)	=	75.090 deg. F		
temperature	26 (75.000)	=	75.000 deg. F		
temperature	27 (73.840)	=	73.840 deg. F		
dewpoint	1 (65.030)	=	65.030 deg. F	, 0.3058	psia
dewpoint	2 (64.790)	=	64.790 deg. F	, 0.3032	psia
dewpoint	3 (64.690)	=	64.690 deg. F	, 0.3022	psia
dewpoint	4 (64.750)	=	64.750 deg. F	, 0.3028	psia
dewpoint	5 (64.650)	=	64.650 deg. F	, 0.3017	psia
dewpoint	6 (64.860)	=	64.860 deg. F	, 0.3040	psia
pressure	1 (63.8225)	=	63.8225	psia	
pressure	2 (63.8263)	=	63.8263	psia	

weighted averages, volume and air mass

temperature	=	74.58372 deg. F
pressure	=	63.82440 psia
vapor pressure	=	0.30280 psia
volume	=	2600000 cu. ft.
dry air mass	=	834401.87 lbm



PVNGS 2 1991 ILRT -- TYPE A TEST

data set 93

time = 1545 date = 1219

sensor	raw data	value
temperature 1	(74.240)	= 74.240 deg. F
temperature 2	(74.310)	= 74.310 deg. F
temperature 3	(74.380)	= 74.380 deg. F
temperature 4	(74.550)	= 74.550 deg. F
temperature 5	(74.420)	= 74.420 deg. F
temperature 6	(74.330)	= 74.330 deg. F
temperature 7	(74.370)	= 74.370 deg. F
temperature 8	(74.570)	= 74.570 deg. F
temperature 9	(74.620)	= 74.620 deg. F
temperature 10	(74.600)	= 74.600 deg. F
temperature 11	(74.590)	= 74.590 deg. F
temperature 12	(74.600)	= 74.600 deg. F
temperature 13	(74.950)	= 74.950 deg. F
temperature 14	(75.250)	= 75.250 deg. F
temperature 15	(75.910)	= 75.910 deg. F
temperature 16	(74.650)	= 74.650 deg. F
temperature 17	(74.920)	= 74.920 deg. F
temperature 18	(74.610)	= 74.610 deg. F
temperature 19	(74.780)	= 74.780 deg. F
temperature 20	(74.600)	= 74.600 deg. F
temperature 21	(73.690)	= 73.690 deg. F
temperature 22	(74.370)	= 74.370 deg. F
temperature 23	(73.210)	= 73.210 deg. F
temperature 24	(75.300)	= 75.300 deg. F
temperature 25	(75.050)	= 75.050 deg. F
temperature 26	(74.980)	= 74.980 deg. F
temperature 27	(73.830)	= 73.830 deg. F
dewpoint 1	(65.000)	= 65.000 deg. F , 0.3055 psia
dewpoint 2	(64.790)	= 64.790 deg. F , 0.3032 psia
dewpoint 3	(64.630)	= 64.630 deg. F , 0.3015 psia
dewpoint 4	(64.740)	= 64.740 deg. F , 0.3027 psia
dewpoint 5	(64.640)	= 64.640 deg. F , 0.3016 psia
dewpoint 6	(64.850)	= 64.850 deg. F , 0.3039 psia
pressure 1	(63.8217)	= 63.8217 psia
pressure 2	(63.8257)	= 63.8257 psia

weighted averages, volume and air mass

temperature	=	74.57968 deg. F
pressure	=	63.82370 psia
vapor pressure	=	0.30263 psia
volume	=	2600000 cu. ft.
dry air mass	=	834401.24 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 94

time = 1600 date = 1219

sensor	raw data	value
temperature 1	(74.260)	= 74.260 deg. F
temperature 2	(74.310)	= 74.310 deg. F
temperature 3	(74.370)	= 74.370 deg. F
temperature 4	(74.530)	= 74.530 deg. F
temperature 5	(74.420)	= 74.420 deg. F
temperature 6	(74.330)	= 74.330 deg. F
temperature 7	(74.340)	= 74.340 deg. F
temperature 8	(74.580)	= 74.580 deg. F
temperature 9	(74.600)	= 74.600 deg. F
temperature 10	(74.600)	= 74.600 deg. F
temperature 11	(74.580)	= 74.580 deg. F
temperature 12	(74.600)	= 74.600 deg. F
temperature 13	(74.930)	= 74.930 deg. F
temperature 14	(75.110)	= 75.110 deg. F
temperature 15	(75.890)	= 75.890 deg. F
temperature 16	(74.650)	= 74.650 deg. F
temperature 17	(74.930)	= 74.930 deg. F
temperature 18	(74.600)	= 74.600 deg. F
temperature 19	(74.780)	= 74.780 deg. F
temperature 20	(74.610)	= 74.610 deg. F
temperature 21	(73.700)	= 73.700 deg. F
temperature 22	(74.370)	= 74.370 deg. F
temperature 23	(73.230)	= 73.230 deg. F
temperature 24	(75.290)	= 75.290 deg. F
temperature 25	(75.080)	= 75.080 deg. F
temperature 26	(74.940)	= 74.940 deg. F
temperature 27	(73.840)	= 73.840 deg. F
dewpoint 1	(65.150)	= 65.150 deg. F , 0.3071 psia
dewpoint 2	(64.750)	= 64.750 deg. F , 0.3028 psia
dewpoint 3	(64.660)	= 64.660 deg. F , 0.3018 psia
dewpoint 4	(64.750)	= 64.750 deg. F , 0.3028 psia
dewpoint 5	(64.600)	= 64.600 deg. F , 0.3012 psia
dewpoint 6	(64.850)	= 64.850 deg. F , 0.3039 psia
pressure 1	(63.8207)	= 63.8207 psia
pressure 2	(63.8249)	= 63.8249 psia

weighted averages, volume and air mass

temperature	=	74.56986 deg. F
pressure	=	63.82280 psia
vapor pressure	=	0.30250 psia
volume	=	2600000 cu. ft.
dry air mass	=	834406.45 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 95

time = 1615 date = 1219

sensor		raw data		value	
temperature	1 (74.240)	=	74.240 deg. F		
temperature	2 (74.290)	=	74.290 deg. F		
temperature	3 (74.370)	=	74.370 deg. F		
temperature	4 (74.540)	=	74.540 deg. F		
temperature	5 (74.400)	=	74.400 deg. F		
temperature	6 (74.340)	=	74.340 deg. F		
temperature	7 (74.340)	=	74.340 deg. F		
temperature	8 (74.570)	=	74.570 deg. F		
temperature	9 (74.610)	=	74.610 deg. F		
temperature	10 (74.600)	=	74.600 deg. F		
temperature	11 (74.580)	=	74.580 deg. F		
temperature	12 (74.580)	=	74.580 deg. F		
temperature	13 (74.920)	=	74.920 deg. F		
temperature	14 (75.050)	=	75.050 deg. F		
temperature	15 (75.890)	=	75.890 deg. F		
temperature	16 (74.640)	=	74.640 deg. F		
temperature	17 (74.930)	=	74.930 deg. F		
temperature	18 (74.600)	=	74.600 deg. F		
temperature	19 (74.780)	=	74.780 deg. F		
temperature	20 (74.610)	=	74.610 deg. F		
temperature	21 (73.690)	=	73.690 deg. F		
temperature	22 (74.370)	=	74.370 deg. F		
temperature	23 (73.230)	=	73.230 deg. F		
temperature	24 (75.310)	=	75.310 deg. F		
temperature	25 (75.090)	=	75.090 deg. F		
temperature	26 (74.950)	=	74.950 deg. F		
temperature	27 (73.830)	=	73.830 deg. F		
dewpoint	1 (65.130)	=	65.130 deg. F	, 0.3068	psia
dewpoint	2 (64.770)	=	64.770 deg. F	, 0.3030	psia
dewpoint	3 (64.650)	=	64.650 deg. F	, 0.3017	psia
dewpoint	4 (64.740)	=	64.740 deg. F	, 0.3027	psia
dewpoint	5 (64.640)	=	64.640 deg. F	, 0.3016	psia
dewpoint	6 (64.850)	=	64.850 deg. F	, 0.3039	psia
pressure	1 (63.8210)	=	63.8210		psia
pressure	2 (63.8246)	=	63.8246		psia

weighted averages, volume and air mass

temperature	=	74.56408 deg. F
pressure	=	63.82280 psia
vapor pressure	=	0.30260 psia
volume	=	2600000 cu. ft.
dry air mass	=	834414.21 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 96

time = 1630 date = 1219

sensor		raw data		value	
temperature	1 (74.230)	=	74.230 deg. F		
temperature	2 (74.290)	=	74.290 deg. F		
temperature	3 (74.360)	=	74.360 deg. F		
temperature	4 (74.550)	=	74.550 deg. F		
temperature	5 (74.390)	=	74.390 deg. F		
temperature	6 (74.340)	=	74.340 deg. F		
temperature	7 (74.340)	=	74.340 deg. F		
temperature	8 (74.570)	=	74.570 deg. F		
temperature	9 (74.620)	=	74.620 deg. F		
temperature	10 (74.600)	=	74.600 deg. F		
temperature	11 (74.570)	=	74.570 deg. F		
temperature	12 (74.540)	=	74.540 deg. F		
temperature	13 (74.920)	=	74.920 deg. F		
temperature	14 (75.160)	=	75.160 deg. F		
temperature	15 (75.890)	=	75.890 deg. F		
temperature	16 (74.690)	=	74.690 deg. F		
temperature	17 (74.910)	=	74.910 deg. F		
temperature	18 (74.610)	=	74.610 deg. F		
temperature	19 (74.780)	=	74.780 deg. F		
temperature	20 (74.610)	=	74.610 deg. F		
temperature	21 (73.700)	=	73.700 deg. F		
temperature	22 (74.370)	=	74.370 deg. F		
temperature	23 (73.230)	=	73.230 deg. F		
temperature	24 (75.290)	=	75.290 deg. F		
temperature	25 (75.090)	=	75.090 deg. F		
temperature	26 (74.940)	=	74.940 deg. F		
temperature	27 (73.840)	=	73.840 deg. F		
dewpoint	1 (65.170)	=	65.170 deg. F	, 0.3073 psia	
dewpoint	2 (64.740)	=	64.740 deg. F	, 0.3027 psia	
dewpoint	3 (64.630)	=	64.630 deg. F	, 0.3015 psia	
dewpoint	4 (64.720)	=	64.720 deg. F	, 0.3025 psia	
dewpoint	5 (64.600)	=	64.600 deg. F	, 0.3012 psia	
dewpoint	6 (64.800)	=	64.800 deg. F	, 0.3033 psia	
pressure	1 (63.8201)	=	63.8201 psia		
pressure	2 (63.8237)	=	63.8237 psia		

weighted averages, volume and air mass

temperature	=	74.56770 deg. F
pressure	=	63.82190 psia
vapor pressure	=	0.30228 psia
volume	=	2600000 cu. ft.
dry air mass	=	834400.89 lbm

PVNGS 2 1991 ILRT -- TYPE A TEST

data set 97

time = 1645 date = 1219

sensor	raw data	value
temperature 1 (	74.260)	= 74.260 deg. F
temperature 2 (	74.310)	= 74.310 deg. F
temperature 3 (	74.370)	= 74.370 deg. F
temperature 4 (	74.510)	= 74.510 deg. F
temperature 5 (	74.390)	= 74.390 deg. F
temperature 6 (	74.330)	= 74.330 deg. F
temperature 7 (	74.350)	= 74.350 deg. F
temperature 8 (	74.570)	= 74.570 deg. F
temperature 9 (	74.620)	= 74.620 deg. F
temperature 10 (	74.590)	= 74.590 deg. F
temperature 11 (	74.560)	= 74.560 deg. F
temperature 12 (	74.540)	= 74.540 deg. F
temperature 13 (	74.910)	= 74.910 deg. F
temperature 14 (	75.260)	= 75.260 deg. F
temperature 15 (	75.900)	= 75.900 deg. F
temperature 16 (	74.610)	= 74.610 deg. F
temperature 17 (	74.920)	= 74.920 deg. F
temperature 18 (	74.590)	= 74.590 deg. F
temperature 19 (	74.780)	= 74.780 deg. F
temperature 20 (	74.600)	= 74.600 deg. F
temperature 21 (	73.700)	= 73.700 deg. F
temperature 22 (	74.370)	= 74.370 deg. F
temperature 23 (	73.240)	= 73.240 deg. F
temperature 24 (	75.290)	= 75.290 deg. F
temperature 25 (	75.100)	= 75.100 deg. F
temperature 26 (	74.960)	= 74.960 deg. F
temperature 27 (	73.840)	= 73.840 deg. F
dewpoint 1 (	65.480)	= 65.480 deg. F , 0.3106 psia
dewpoint 2 (	64.720)	= 64.720 deg. F , 0.3025 psia
dewpoint 3 (	64.630)	= 64.630 deg. F , 0.3015 psia
dewpoint 4 (	64.680)	= 64.680 deg. F , 0.3021 psia
dewpoint 5 (	64.910)	= 64.910 deg. F , 0.3045 psia
dewpoint 6 (	64.790)	= 64.790 deg. F , 0.3032 psia
pressure 1 (	63.8192)	= 63.8192 psia
pressure 2 (	63.8229)	= 63.8229 psia

weighted averages, volume and air mass

temperature	=	74.56749 deg. F
pressure	=	63.82105 psia
vapor pressure	=	0.30260 psia
volume	=	2600000 cu. ft.
dry air mass	=	834385.83 lbm

VERIFICATION DATA

PRE-DATA REPORT

title = PVNGS 2 1991 ILRT -- VERIFICATION
a = 0.1000

volume = 2600000 L

leap year : no

temperature volume fractions (sum = 1.0000)

t(1)=0.0320	t(2)=0.0400	t(3)=0.0440	t(4)=0.0450	t(5)=0.0460
t(6)=0.0480	t(7)=0.0490	t(8)=0.0490	t(9)=0.0490	t(10)=0.0500
t(11)=0.0500	t(12)=0.0500	t(13)=0.0500	t(14)=0.0430	t(15)=0.0430
t(16)=0.0450	t(17)=0.0370	t(18)=0.0340	t(19)=0.0340	t(20)=0.0330
t(21)=0.0330	t(22)=0.0320	t(23)=0.0390	t(24)=0.0250	t(25)=0.0000
t(26)=0.0000	t(27)=0.0000			

dewpoint volume fractions (sum = 1.0000)

dp(1)=0.0000 dp(2)=0.3530 dp(3)=0.1990 dp(4)=0.1810 dp(5)=0.1480
dp(6)=0.1190

pressure volume fractions (sum = 1.0000)

p(1)=0.5000 p(2)=0.5000

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6 11

PVNGS 2 1991 ILRT -- VERIFICATION

data set 1

time = 1700 date = 1219

sensor	raw data	value
temperature 1	(74.250)	= 74.250 deg. F
temperature 2	(74.290)	= 74.290 deg. F
temperature 3	(74.360)	= 74.360 deg. F
temperature 4	(74.520)	= 74.520 deg. F
temperature 5	(74.390)	= 74.390 deg. F
temperature 6	(74.330)	= 74.330 deg. F
temperature 7	(74.330)	= 74.330 deg. F
temperature 8	(74.570)	= 74.570 deg. F
temperature 9	(74.590)	= 74.590 deg. F
temperature 10	(74.600)	= 74.600 deg. F
temperature 11	(74.550)	= 74.550 deg. F
temperature 12	(74.580)	= 74.580 deg. F
temperature 13	(74.880)	= 74.880 deg. F
temperature 14	(75.220)	= 75.220 deg. F
temperature 15	(75.890)	= 75.890 deg. F
temperature 16	(74.640)	= 74.640 deg. F
temperature 17	(74.930)	= 74.930 deg. F
temperature 18	(74.600)	= 74.600 deg. F
temperature 19	(74.770)	= 74.770 deg. F
temperature 20	(74.600)	= 74.600 deg. F
temperature 21	(73.680)	= 73.680 deg. F
temperature 22	(74.370)	= 74.370 deg. F
temperature 23	(73.230)	= 73.230 deg. F
temperature 24	(75.260)	= 75.260 deg. F
temperature 25	(75.080)	= 75.080 deg. F
temperature 26	(74.970)	= 74.970 deg. F
temperature 27	(73.860)	= 73.860 deg. F
dewpoint 1	(65.060)	= 65.060 deg. F , 0.3061 psia
dewpoint 2	(64.710)	= 64.710 deg. F , 0.3024 psia
dewpoint 3	(64.630)	= 64.630 deg. F , 0.3015 psia
dewpoint 4	(64.680)	= 64.680 deg. F , 0.3021 psia
dewpoint 5	(64.580)	= 64.580 deg. F , 0.3010 psia
dewpoint 6	(64.780)	= 64.780 deg. F , 0.3031 psia
pressure 1	(63.8181)	= 63.8181 psia
pressure 2	(63.8225)	= 63.8225 psia

weighted averages, volume and air mass

temperature	=	74.56221 deg. F
pressure	=	63.82030 psia
vapor pressure	=	0.30204 psia
volume	=	2600000 cu. ft.
dry air mass	=	834391.63 lbm

PVNGS 2 1991 ILRT -- VERIFICATION

data set 2

time = 1715 date = 1219

sensor		raw data		value
temperature	1	(74.230)	=	74.230 deg. F
temperature	2	(74.290)	=	74.290 deg. F
temperature	3	(74.340)	=	74.340 deg. F
temperature	4	(74.520)	=	74.520 deg. F
temperature	5	(74.400)	=	74.400 deg. F
temperature	6	(74.320)	=	74.320 deg. F
temperature	7	(74.330)	=	74.330 deg. F
temperature	8	(74.560)	=	74.560 deg. F
temperature	9	(74.600)	=	74.600 deg. F
temperature	10	(74.580)	=	74.580 deg. F
temperature	11	(74.530)	=	74.530 deg. F
temperature	12	(74.580)	=	74.580 deg. F
temperature	13	(74.900)	=	74.900 deg. F
temperature	14	(75.180)	=	75.180 deg. F
temperature	15	(75.900)	=	75.900 deg. F
temperature	16	(74.660)	=	74.660 deg. F
temperature	17	(74.910)	=	74.910 deg. F
temperature	18	(74.600)	=	74.600 deg. F
temperature	19	(74.780)	=	74.780 deg. F
temperature	20	(74.610)	=	74.610 deg. F
temperature	21	(73.680)	=	73.680 deg. F
temperature	22	(74.360)	=	74.360 deg. F
temperature	23	(73.230)	=	73.230 deg. F
temperature	24	(75.280)	=	75.280 deg. F
temperature	25	(75.060)	=	75.060 deg. F
temperature	26	(74.950)	=	74.950 deg. F
temperature	27	(73.820)	=	73.820 deg. F
dewpoint	1	(65.190)	=	65.190 deg. F , 0.3075 psia
dewpoint	2	(64.740)	=	64.740 deg. F , 0.3027 psia
dewpoint	3	(64.610)	=	64.610 deg. F , 0.3013 psia
dewpoint	4	(64.680)	=	64.680 deg. F , 0.3021 psia
dewpoint	5	(64.520)	=	64.520 deg. F , 0.3004 psia
dewpoint	6	(64.780)	=	64.780 deg. F , 0.3031 psia
pressure	1	(63.8169)	=	63.8169 psia
pressure	2	(63.8211)	=	63.8211 psia

weighted averages, volume and air mass

temperature	=	74.55939 deg. F
pressure	=	63.81900 psia
vapor pressure	=	0.30201 psia
volume	=	2600000 cu. ft.
dry air mass	=	834379.31 lbm

PVNGS 2 1991 ILRT -- VERIFICATION

data set 3

time = 1730 date = 1219

sensor	raw data	value
temperature 1	(74.220)	= 74.220 deg. F
temperature 2	(74.280)	= 74.280 deg. F
temperature 3	(74.360)	= 74.360 deg. F
temperature 4	(74.520)	= 74.520 deg. F
temperature 5	(74.390)	= 74.390 deg. F
temperature 6	(74.300)	= 74.300 deg. F
temperature 7	(74.330)	= 74.330 deg. F
temperature 8	(74.560)	= 74.560 deg. F
temperature 9	(74.590)	= 74.590 deg. F
temperature 10	(74.550)	= 74.550 deg. F
temperature 11	(74.550)	= 74.550 deg. F
temperature 12	(74.600)	= 74.600 deg. F
temperature 13	(74.900)	= 74.900 deg. F
temperature 14	(75.150)	= 75.150 deg. F
temperature 15	(75.890)	= 75.890 deg. F
temperature 16	(74.610)	= 74.610 deg. F
temperature 17	(74.910)	= 74.910 deg. F
temperature 18	(74.600)	= 74.600 deg. F
temperature 19	(74.780)	= 74.780 deg. F
temperature 20	(74.610)	= 74.610 deg. F
temperature 21	(73.690)	= 73.690 deg. F
temperature 22	(74.380)	= 74.380 deg. F
temperature 23	(73.240)	= 73.240 deg. F
temperature 24	(75.280)	= 75.280 deg. F
temperature 25	(75.070)	= 75.070 deg. F
temperature 26	(74.940)	= 74.940 deg. F
temperature 27	(73.860)	= 73.860 deg. F
dewpoint 1	(64.930)	= 64.930 deg. F , 0.3047 psia
dewpoint 2	(64.750)	= 64.750 deg. F , 0.3028 psia
dewpoint 3	(64.580)	= 64.580 deg. F , 0.3010 psia
dewpoint 4	(64.650)	= 64.650 deg. F , 0.3017 psia
dewpoint 5	(64.600)	= 64.600 deg. F , 0.3012 psia
dewpoint 6	(64.770)	= 64.770 deg. F , 0.3030 psia
pressure 1	(63.8159)	= 63.8159 psia
pressure 2	(63.8195)	= 63.8195 psia

weighted averages, volume and air mass

temperature	=	74.55553 deg. F
pressure	=	63.81770 psia
vapor pressure	=	0.30204 psia
volume	=	2600000 cu. ft.
dry air mass	=	834367.87 lbm

PVNGS 2 1991 ILRT -- VERIFICATION

data set 4

time = 1745 date = 1219

sensor		raw data		value	
temperature	1	(74.220)	=	74.220	deg. F
temperature	2	(74.280)	=	74.280	deg. F
temperature	3	(74.330)	=	74.330	deg. F
temperature	4	(74.490)	=	74.490	deg. F
temperature	5	(74.380)	=	74.380	deg. F
temperature	6	(74.290)	=	74.290	deg. F
temperature	7	(74.330)	=	74.330	deg. F
temperature	8	(74.560)	=	74.560	deg. F
temperature	9	(74.590)	=	74.590	deg. F
temperature	10	(74.560)	=	74.560	deg. F
temperature	11	(74.550)	=	74.550	deg. F
temperature	12	(74.550)	=	74.550	deg. F
temperature	13	(74.880)	=	74.880	deg. F
temperature	14	(75.190)	=	75.190	deg. F
temperature	15	(75.870)	=	75.870	deg. F
temperature	16	(74.590)	=	74.590	deg. F
temperature	17	(74.900)	=	74.900	deg. F
temperature	18	(74.600)	=	74.600	deg. F
temperature	19	(74.760)	=	74.760	deg. F
temperature	20	(74.600)	=	74.600	deg. F
temperature	21	(73.690)	=	73.690	deg. F
temperature	22	(74.370)	=	74.370	deg. F
temperature	23	(73.240)	=	73.240	deg. F
temperature	24	(75.260)	=	75.260	deg. F
temperature	25	(75.070)	=	75.070	deg. F
temperature	26	(74.940)	=	74.940	deg. F
temperature	27	(73.840)	=	73.840	deg. F
dewpoint	1	(64.900)	=	64.900	deg. F , 0.3044 psia
dewpoint	2	(64.720)	=	64.720	deg. F , 0.3025 psia
dewpoint	3	(64.590)	=	64.590	deg. F , 0.3011 psia
dewpoint	4	(64.660)	=	64.660	deg. F , 0.3018 psia
dewpoint	5	(64.520)	=	64.520	deg. F , 0.3004 psia
dewpoint	6	(64.750)	=	64.750	deg. F , 0.3028 psia
pressure	1	(63.8146)	=	63.8146	psia
pressure	2	(63.8182)	=	63.8182	psia

weighted averages; volume and air mass

temperature	=	74.54668	deg. F
pressure	=	63.81640	psia
vapor pressure	=	0.30182	psia
volume	=	2600000	cu. ft.
dry air mass	=	834367.51	lbm

PVNGS 2 1991 ILRT -- VERIFICATION

data set 5

time = 1800 date = 1219

sensor	raw data	value
temperature 1	(74.220)	= 74.220 deg. F
temperature 2	(74.260)	= 74.260 deg. F
temperature 3	(74.340)	= 74.340 deg. F
temperature 4	(74.520)	= 74.520 deg. F
temperature 5	(74.380)	= 74.380 deg. F
temperature 6	(74.330)	= 74.330 deg. F
temperature 7	(74.320)	= 74.320 deg. F
temperature 8	(74.550)	= 74.550 deg. F
temperature 9	(74.560)	= 74.560 deg. F
temperature 10	(74.590)	= 74.590 deg. F
temperature 11	(74.560)	= 74.560 deg. F
temperature 12	(74.560)	= 74.560 deg. F
temperature 13	(74.890)	= 74.890 deg. F
temperature 14	(75.220)	= 75.220 deg. F
temperature 15	(75.880)	= 75.880 deg. F
temperature 16	(74.630)	= 74.630 deg. F
temperature 17	(74.930)	= 74.930 deg. F
temperature 18	(74.580)	= 74.580 deg. F
temperature 19	(74.770)	= 74.770 deg. F
temperature 20	(74.600)	= 74.600 deg. F
temperature 21	(73.680)	= 73.680 deg. F
temperature 22	(74.380)	= 74.380 deg. F
temperature 23	(73.240)	= 73.240 deg. F
temperature 24	(75.290)	= 75.290 deg. F
temperature 25	(75.070)	= 75.070 deg. F
temperature 26	(74.940)	= 74.940 deg. F
temperature 27	(73.830)	= 73.830 deg. F
dewpoint 1	(65.030)	= 65.030 deg. F , 0.3058 psia
dewpoint 2	(64.700)	= 64.700 deg. F , 0.3023 psia
dewpoint 3	(64.580)	= 64.580 deg. F , 0.3010 psia
dewpoint 4	(64.660)	= 64.660 deg. F , 0.3018 psia
dewpoint 5	(64.530)	= 64.530 deg. F , 0.3005 psia
dewpoint 6	(64.760)	= 64.760 deg. F , 0.3029 psia
pressure 1	(63.8134)	= 63.8134 psia
pressure 2	(63.8169)	= 63.8169 psia

weighted averages, volume and air mass

temperature	=	74.55517 deg. F
pressure	=	63.81515 psia
vapor pressure	=	0.30175 psia
volume	=	2600000 cu. ft.
dry air mass	=	834338.70 lbm

PVNGS 2 1991 ILRT -- VERIFICATION

data set 6

time = 1815 date = 1219

sensor	raw data	value
temperature 1 (74.190)	=	74.190 deg. F
temperature 2 (74.270)	=	74.270 deg. F
temperature 3 (74.350)	=	74.350 deg. F
temperature 4 (74.500)	=	74.500 deg. F
temperature 5 (74.380)	=	74.380 deg. F
temperature 6 (74.310)	=	74.310 deg. F
temperature 7 (74.330)	=	74.330 deg. F
temperature 8 (74.550)	=	74.550 deg. F
temperature 9 (74.580)	=	74.580 deg. F
temperature 10 (74.580)	=	74.580 deg. F
temperature 11 (74.550)	=	74.550 deg. F
temperature 12 (74.580)	=	74.580 deg. F
temperature 13 (74.890)	=	74.890 deg. F
temperature 14 (75.150)	=	75.150 deg. F
temperature 15 (75.880)	=	75.880 deg. F
temperature 16 (74.650)	=	74.650 deg. F
temperature 17 (74.910)	=	74.910 deg. F
temperature 18 (74.590)	=	74.590 deg. F
temperature 19 (74.770)	=	74.770 deg. F
temperature 20 (74.600)	=	74.600 deg. F
temperature 21 (73.690)	=	73.690 deg. F
temperature 22 (74.370)	=	74.370 deg. F
temperature 23 (73.250)	=	73.250 deg. F
temperature 24 (75.270)	=	75.270 deg. F
temperature 25 (75.050)	=	75.050 deg. F
temperature 26 (74.970)	=	74.970 deg. F
temperature 27 (73.840)	=	73.840 deg. F
dewpoint 1 (64.990)	=	64.990 deg. F , 0.3053 psia
dewpoint 2 (64.700)	=	64.700 deg. F , 0.3023 psia
dewpoint 3 (64.530)	=	64.530 deg. F , 0.3005 psia
dewpoint 4 (64.630)	=	64.630 deg. F , 0.3015 psia
dewpoint 5 (64.520)	=	64.520 deg. F , 0.3004 psia
dewpoint 6 (64.730)	=	64.730 deg. F , 0.3026 psia
pressure 1 (63.8120)	=	63.8120 psia
pressure 2 (63.8161)	=	63.8161 psia

weighted averages, volume and air mass

temperature	=	74.55205 deg. F
pressure	=	63.81405 psia
vapor pressure	=	0.30154 psia
volume	=	2600000 cu. ft.
dry air mass	=	834331.97 lbm



PVNGS 2 1991 ILRT -- VERIFICATION

data set 7

time = 1830 date = 1219

sensor	raw data	value
temperature 1 (	74.200)	= 74.200 deg. F
temperature 2 (	74.270)	= 74.270 deg. F
temperature 3 (	74.320)	= 74.320 deg. F
temperature 4 (	74.490)	= 74.490 deg. F
temperature 5 (	74.360)	= 74.360 deg. F
temperature 6 (	74.280)	= 74.280 deg. F
temperature 7 (	74.300)	= 74.300 deg. F
temperature 8 (	74.550)	= 74.550 deg. F
temperature 9 (	74.580)	= 74.580 deg. F
temperature 10 (	74.560)	= 74.560 deg. F
temperature 11 (	74.540)	= 74.540 deg. F
temperature 12 (	74.600)	= 74.600 deg. F
temperature 13 (	74.880)	= 74.880 deg. F
temperature 14 (	75.130)	= 75.130 deg. F
temperature 15 (	75.880)	= 75.880 deg. F
temperature 16 (	74.610)	= 74.610 deg. F
temperature 17 (	74.880)	= 74.880 deg. F
temperature 18 (	74.590)	= 74.590 deg. F
temperature 19 (	74.760)	= 74.760 deg. F
temperature 20 (	74.600)	= 74.600 deg. F
temperature 21 (	73.700)	= 73.700 deg. F
temperature 22 (	74.370)	= 74.370 deg. F
temperature 23 (	73.250)	= 73.250 deg. F
temperature 24 (	75.250)	= 75.250 deg. F
temperature 25 (	75.050)	= 75.050 deg. F
temperature 26 (	74.970)	= 74.970 deg. F
temperature 27 (	73.870)	= 73.870 deg. F
dewpoint 1 (	64.920)	= 64.920 deg. F , 0.3046 psia
dewpoint 2 (	64.650)	= 64.650 deg. F , 0.3017 psia
dewpoint 3 (	64.540)	= 64.540 deg. F , 0.3006 psia
dewpoint 4 (	64.630)	= 64.630 deg. F , 0.3015 psia
dewpoint 5 (	64.410)	= 64.410 deg. F , 0.2992 psia
dewpoint 6 (	64.730)	= 64.730 deg. F , 0.3026 psia
pressure 1 (	63.8108)	= 63.8108 psia
pressure 2 (	63.8150)	= 63.8150 psia

weighted averages, volume and air mass

temperature	=	74.54148 deg. F
pressure	=	63.81290 psia
vapor pressure	=	0.30120 psia
volume	=	2600000 cu. ft.
dry air mass	=	834337.74 lbm

PVNGS 2 1991 ILRT -- VERIFICATION

data set 8

time = 1845 date = 1219

sensor	raw data	value
temperature 1	(74.190) =	74.190 deg. F
temperature 2	(74.270) =	74.270 deg. F
temperature 3	(74.340) =	74.340 deg. F
temperature 4	(74.500) =	74.500 deg. F
temperature 5	(74.370) =	74.370 deg. F
temperature 6	(74.310) =	74.310 deg. F
temperature 7	(74.310) =	74.310 deg. F
temperature 8	(74.540) =	74.540 deg. F
temperature 9	(74.580) =	74.580 deg. F
temperature 10	(74.560) =	74.560 deg. F
temperature 11	(74.570) =	74.570 deg. F
temperature 12	(74.570) =	74.570 deg. F
temperature 13	(74.900) =	74.900 deg. F
temperature 14	(75.190) =	75.190 deg. F
temperature 15	(75.880) =	75.880 deg. F
temperature 16	(74.650) =	74.650 deg. F
temperature 17	(74.900) =	74.900 deg. F
temperature 18	(74.580) =	74.580 deg. F
temperature 19	(74.770) =	74.770 deg. F
temperature 20	(74.600) =	74.600 deg. F
temperature 21	(73.690) =	73.690 deg. F
temperature 22	(74.360) =	74.360 deg. F
temperature 23	(73.250) =	73.250 deg. F
temperature 24	(75.290) =	75.290 deg. F
temperature 25	(75.090) =	75.090 deg. F
temperature 26	(74.920) =	74.920 deg. F
temperature 27	(73.870) =	73.870 deg. F
dewpoint 1	(65.020) =	65.020 deg. F , 0.3057 psia
dewpoint 2	(64.650) =	64.650 deg. F , 0.3017 psia
dewpoint 3	(64.540) =	64.540 deg. F , 0.3006 psia
dewpoint 4	(64.610) =	64.610 deg. F , 0.3013 psia
dewpoint 5	(64.460) =	64.460 deg. F , 0.2997 psia
dewpoint 6	(64.720) =	64.720 deg. F , 0.3025 psia
pressure 1	(63.8096) =	63.8096 psia
pressure 2	(63.8135) =	63.8135 psia

weighted averages, volume and air mass

temperature	=	74.55087 deg. F
pressure	=	63.81155 psia
vapor pressure	=	0.30123 psia
volume	=	2600000 cu. ft.
dry air mass	=	834305.04 lbm

PVNGS 2 1991 ILRT -- VERIFICATION

data set 9

time = 1900 date = 1219

sensor	raw data	value
temperature 1 (	74.210)	= 74.210 deg. F
temperature 2 (	74.260)	= 74.260 deg. F
temperature 3 (	74.330)	= 74.330 deg. F
temperature 4 (	74.510)	= 74.510 deg. F
temperature 5 (	74.360)	= 74.360 deg. F
temperature 6 (	74.280)	= 74.280 deg. F
temperature 7 (	74.300)	= 74.300 deg. F
temperature 8 (	74.520)	= 74.520 deg. F
temperature 9 (	74.570)	= 74.570 deg. F
temperature 10 (	74.570)	= 74.570 deg. F
temperature 11 (	74.520)	= 74.520 deg. F
temperature 12 (	74.520)	= 74.520 deg. F
temperature 13 (	74.870)	= 74.870 deg. F
temperature 14 (	75.030)	= 75.030 deg. F
temperature 15 (	75.870)	= 75.870 deg. F
temperature 16 (	74.620)	= 74.620 deg. F
temperature 17 (	74.900)	= 74.900 deg. F
temperature 18 (	74.570)	= 74.570 deg. F
temperature 19 (	74.760)	= 74.760 deg. F
temperature 20 (	74.610)	= 74.610 deg. F
temperature 21 (	73.690)	= 73.690 deg. F
temperature 22 (	74.370)	= 74.370 deg. F
temperature 23 (	73.260)	= 73.260 deg. F
temperature 24 (	75.270)	= 75.270 deg. F
temperature 25 (	75.060)	= 75.060 deg. F
temperature 26 (	74.940)	= 74.940 deg. F
temperature 27 (	73.840)	= 73.840 deg. F
dewpoint 1 (	64.820)	= 64.820 deg. F , 0.3035 psia
dewpoint 2 (	64.610)	= 64.610 deg. F , 0.3013 psia
dewpoint 3 (	64.520)	= 64.520 deg. F , 0.3004 psia
dewpoint 4 (	64.600)	= 64.600 deg. F , 0.3012 psia
dewpoint 5 (	64.500)	= 64.500 deg. F , 0.3002 psia
dewpoint 6 (	64.720)	= 64.720 deg. F , 0.3025 psia
pressure 1 (	63.8084)	= 63.8084 psia
pressure 2 (	63.8126)	= 63.8126 psia

weighted averages, volume and air mass

temperature	=	74.53246 deg. F
pressure	=	63.81050 psia
vapor pressure	=	0.30108 psia
volume	=	2600000 cu. ft.
dry air mass	=	834321.94 lbm

PVNGS 2 1991 ILRT -- VERIFICATION

data set 10

time = 1915 date = 1219

sensor		raw data		value
temperature	1	(74.220)	=	74.220 deg. F
temperature	2	(74.260)	=	74.260 deg. F
temperature	3	(74.330)	=	74.330 deg. F
temperature	4	(74.490)	=	74.490 deg. F
temperature	5	(74.360)	=	74.360 deg. F
temperature	6	(74.310)	=	74.310 deg. F
temperature	7	(74.310)	=	74.310 deg. F
temperature	8	(74.540)	=	74.540 deg. F
temperature	9	(74.570)	=	74.570 deg. F
temperature	10	(74.560)	=	74.560 deg. F
temperature	11	(74.550)	=	74.550 deg. F
temperature	12	(74.550)	=	74.550 deg. F
temperature	13	(74.880)	=	74.880 deg. F
temperature	14	(75.250)	=	75.250 deg. F
temperature	15	(75.870)	=	75.870 deg. F
temperature	16	(74.630)	=	74.630 deg. F
temperature	17	(74.900)	=	74.900 deg. F
temperature	18	(74.590)	=	74.590 deg. F
temperature	19	(74.770)	=	74.770 deg. F
temperature	20	(74.600)	=	74.600 deg. F
temperature	21	(73.690)	=	73.690 deg. F
temperature	22	(74.380)	=	74.380 deg. F
temperature	23	(73.250)	=	73.250 deg. F
temperature	24	(75.260)	=	75.260 deg. F
temperature	25	(75.050)	=	75.050 deg. F
temperature	26	(74.970)	=	74.970 deg. F
temperature	27	(73.850)	=	73.850 deg. F
dewpoint	1	(64.810)	=	64.810 deg. F , 0.3034 psia
dewpoint	2	(64.600)	=	64.600 deg. F , 0.3012 psia
dewpoint	3	(64.540)	=	64.540 deg. F , 0.3006 psia
dewpoint	4	(64.580)	=	64.580 deg. F , 0.3010 psia
dewpoint	5	(64.510)	=	64.510 deg. F , 0.3003 psia
dewpoint	6	(64.680)	=	64.680 deg. F , 0.3021 psia
pressure	1	(63.8072)	=	63.8072 psia
pressure	2	(63.8108)	=	63.8108 psia

weighted averages, volume and air mass

temperature	=	74.54807 deg. F
pressure	=	63.80900 psia
vapor pressure	=	0.30101 psia
volume	=	2600000 cu. ft.
dry air mass	=	834278.72 lbm

PVNGS 2 1991 ILRT -- VERIFICATION

data set 11

time = 1930 date = 1219

sensor	raw data	value
temperature 1	(74.210)	= 74.210 deg. F
temperature 2	(74.240)	= 74.240 deg. F
temperature 3	(74.320)	= 74.320 deg. F
temperature 4	(74.480)	= 74.480 deg. F
temperature 5	(74.340)	= 74.340 deg. F
temperature 6	(74.290)	= 74.290 deg. F
temperature 7	(74.290)	= 74.290 deg. F
temperature 8	(74.530)	= 74.530 deg. F
temperature 9	(74.560)	= 74.560 deg. F
temperature 10	(74.540)	= 74.540 deg. F
temperature 11	(74.540)	= 74.540 deg. F
temperature 12	(74.570)	= 74.570 deg. F
temperature 13	(74.850)	= 74.850 deg. F
temperature 14	(75.270)	= 75.270 deg. F
temperature 15	(75.860)	= 75.860 deg. F
temperature 16	(74.560)	= 74.560 deg. F
temperature 17	(74.910)	= 74.910 deg. F
temperature 18	(74.560)	= 74.560 deg. F
temperature 19	(74.760)	= 74.760 deg. F
temperature 20	(74.600)	= 74.600 deg. F
temperature 21	(73.690)	= 73.690 deg. F
temperature 22	(74.370)	= 74.370 deg. F
temperature 23	(73.250)	= 73.250 deg. F
temperature 24	(75.270)	= 75.270 deg. F
temperature 25	(75.050)	= 75.050 deg. F
temperature 26	(74.940)	= 74.940 deg. F
temperature 27	(73.860)	= 73.860 deg. F
dewpoint 1	(64.960)	= 64.960 deg. F , 0.3050 psia
dewpoint 2	(64.640)	= 64.640 deg. F , 0.3016 psia
dewpoint 3	(64.500)	= 64.500 deg. F , 0.3002 psia
dewpoint 4	(64.570)	= 64.570 deg. F , 0.3009 psia
dewpoint 5	(64.450)	= 64.450 deg. F , 0.2996 psia
dewpoint 6	(64.670)	= 64.670 deg. F , 0.3020 psia
pressure 1	(63.8062)	= 63.8062 psia
pressure 2	(63.8098)	= 63.8098 psia

weighted averages, volume and air mass

temperature	=	74.53645 deg. F
pressure	=	63.80800 psia
vapor pressure	=	0.30096 psia
volume	=	2600000 cu. ft.
dry air mass	=	834284.52 lbm

PVNGS 2 1991 ILRT -- VERIFICATION

data set 12

time = 1945 date = 1219

sensor		raw data		value
temperature	1	(74.190)	=	74.190 deg. F
temperature	2	(74.260)	=	74.260 deg. F
temperature	3	(74.330)	=	74.330 deg. F
temperature	4	(74.500)	=	74.500 deg. F
temperature	5	(74.380)	=	74.380 deg. F
temperature	6	(74.290)	=	74.290 deg. F
temperature	7	(74.310)	=	74.310 deg. F
temperature	8	(74.530)	=	74.530 deg. F
temperature	9	(74.530)	=	74.530 deg. F
temperature	10	(74.550)	=	74.550 deg. F
temperature	11	(74.530)	=	74.530 deg. F
temperature	12	(74.530)	=	74.530 deg. F
temperature	13	(74.880)	=	74.880 deg. F
temperature	14	(75.120)	=	75.120 deg. F
temperature	15	(75.860)	=	75.860 deg. F
temperature	16	(74.580)	=	74.580 deg. F
temperature	17	(74.890)	=	74.890 deg. F
temperature	18	(74.570)	=	74.570 deg. F
temperature	19	(74.770)	=	74.770 deg. F
temperature	20	(74.600)	=	74.600 deg. F
temperature	21	(73.700)	=	73.700 deg. F
temperature	22	(74.380)	=	74.380 deg. F
temperature	23	(73.260)	=	73.260 deg. F
temperature	24	(75.260)	=	75.260 deg. F
temperature	25	(75.070)	=	75.070 deg. F
temperature	26	(74.910)	=	74.910 deg. F
temperature	27	(73.830)	=	73.830 deg. F
dewpoint	1	(64.860)	=	64.860 deg. F , 0.3040 psia
dewpoint	2	(64.630)	=	64.630 deg. F , 0.3015 psia
dewpoint	3	(64.500)	=	64.500 deg. F , 0.3002 psia
dewpoint	4	(64.590)	=	64.590 deg. F , 0.3011 psia
dewpoint	5	(64.470)	=	64.470 deg. F , 0.2999 psia
dewpoint	6	(64.660)	=	64.660 deg. F , 0.3018 psia
pressure	1	(63.8050)	=	63.8050 psia
pressure	2	(63.8091)	=	63.8091 psia

weighted averages, volume and air mass

temperature	=	74.53397 deg. F
pressure	=	63.80705 psia
vapor pressure	=	0.30097 psia
volume	=	2600000 cu. ft.
dry air mass	=	834275.70 lbm



PVNGS 2 1991 ILRT -- VERIFICATION

data set 13

time = 2000 date = 1219

sensor	raw data	value
temperature 1 (	74.170)	= 74.170 deg. F
temperature 2 (	74.250)	= 74.250 deg. F
temperature 3 (	74.330)	= 74.330 deg. F
temperature 4 (	74.490)	= 74.490 deg. F
temperature 5 (	74.370)	= 74.370 deg. F
temperature 6 (	74.290)	= 74.290 deg. F
temperature 7 (	74.300)	= 74.300 deg. F
temperature 8 (	74.530)	= 74.530 deg. F
temperature 9 (	74.560)	= 74.560 deg. F
temperature 10 (	74.540)	= 74.540 deg. F
temperature 11 (	74.550)	= 74.550 deg. F
temperature 12 (	74.500)	= 74.500 deg. F
temperature 13 (	74.840)	= 74.840 deg. F
temperature 14 (	75.210)	= 75.210 deg. F
temperature 15 (	75.870)	= 75.870 deg. F
temperature 16 (	74.610)	= 74.610 deg. F
temperature 17 (	74.910)	= 74.910 deg. F
temperature 18 (	74.590)	= 74.590 deg. F
temperature 19 (	74.760)	= 74.760 deg. F
temperature 20 (	74.600)	= 74.600 deg. F
temperature 21 (	73.700)	= 73.700 deg. F
temperature 22 (	74.370)	= 74.370 deg. F
temperature 23 (	73.260)	= 73.260 deg. F
temperature 24 (	75.240)	= 75.240 deg. F
temperature 25 (	75.070)	= 75.070 deg. F
temperature 26 (	74.880)	= 74.880 deg. F
temperature 27 (	73.860)	= 73.860 deg. F
dewpoint 1 (	64.820)	= 64.820 deg. F , 0.3035 psia
dewpoint 2 (	64.600)	= 64.600 deg. F , 0.3012 psia
dewpoint 3 (	64.490)	= 64.490 deg. F , 0.3001 psia
dewpoint 4 (	64.530)	= 64.530 deg. F , 0.3005 psia
dewpoint 5 (	64.470)	= 64.470 deg. F , 0.2999 psia
dewpoint 6 (	64.660)	= 64.660 deg. F , 0.3018 psia
pressure 1 (	63.8040)	= 63.8040 psia
pressure 2 (	63.8073)	= 63.8073 psia

weighted averages, volume and air mass

temperature	=	74.53590 deg. F
pressure	=	63.80565 psia
vapor pressure	=	0.30073 psia
volume	=	2600000 cu. ft.
dry air mass	=	834257.48 lbm

PVNGS 2 1991 ILRT -- VERIFICATION

data set 14

time = 2015 date = 1219

sensor	raw data	value
temperature 1 (	74.190)	= 74.190 deg. F
temperature 2 (	74.240)	= 74.240 deg. F
temperature 3 (	74.300)	= 74.300 deg. F
temperature 4 (	74.460)	= 74.460 deg. F
temperature 5 (	74.330)	= 74.330 deg. F
temperature 6 (	74.280)	= 74.280 deg. F
temperature 7 (	74.290)	= 74.290 deg. F
temperature 8 (	74.520)	= 74.520 deg. F
temperature 9 (	74.540)	= 74.540 deg. F
temperature 10 (	74.560)	= 74.560 deg. F
temperature 11 (	74.540)	= 74.540 deg. F
temperature 12 (	74.510)	= 74.510 deg. F
temperature 13 (	74.860)	= 74.860 deg. F
temperature 14 (	75.130)	= 75.130 deg. F
temperature 15 (	75.850)	= 75.850 deg. F
temperature 16 (	74.560)	= 74.560 deg. F
temperature 17 (	74.880)	= 74.880 deg. F
temperature 18 (	74.570)	= 74.570 deg. F
temperature 19 (	74.750)	= 74.750 deg. F
temperature 20 (	74.600)	= 74.600 deg. F
temperature 21 (	73.680)	= 73.680 deg. F
temperature 22 (	74.370)	= 74.370 deg. F
temperature 23 (	73.260)	= 73.260 deg. F
temperature 24 (	75.250)	= 75.250 deg. F
temperature 25 (	75.060)	= 75.060 deg. F
temperature 26 (	74.920)	= 74.920 deg. F
temperature 27 (	73.870)	= 73.870 deg. F
dewpoint 1 (	64.860)	= 64.860 deg. F , 0.3040 psia
dewpoint 2 (	64.600)	= 64.600 deg. F , 0.3012 psia
dewpoint 3 (	64.500)	= 64.500 deg. F , 0.3002 psia
dewpoint 4 (	64.570)	= 64.570 deg. F , 0.3009 psia
dewpoint 5 (	64.470)	= 64.470 deg. F , 0.2999 psia
dewpoint 6 (	64.650)	= 64.650 deg. F , 0.3017 psia
pressure 1 (	63.8026)	= 63.8026 psia
pressure 2 (	63.8061)	= 63.8061 psia

weighted averages, volume and air mass

temperature	=	74.52212 deg. F
pressure	=	63.80435 psia
vapor pressure	=	0.30081 psia
volume	=	2600000 cu. ft.
dry air mass	=	834260.86 lbm



PVNGS 2 1991 ILRT -- VERIFICATION

data set 15

time = 2030 date = 1219

sensor		raw data		value
temperature	1 (	74.190)	=	74.190 deg. F
temperature	2 (	74.240)	=	74.240 deg. F
temperature	3 (	74.310)	=	74.310 deg. F
temperature	4 (	74.460)	=	74.460 deg. F
temperature	5 (	74.340)	=	74.340 deg. F
temperature	6 (	74.280)	=	74.280 deg. F
temperature	7 (	74.300)	=	74.300 deg. F
temperature	8 (	74.520)	=	74.520 deg. F
temperature	9 (	74.540)	=	74.540 deg. F
temperature	10 (	74.560)	=	74.560 deg. F
temperature	11 (	74.530)	=	74.530 deg. F
temperature	12 (	74.530)	=	74.530 deg. F
temperature	13 (	74.840)	=	74.840 deg. F
temperature	14 (	75.220)	=	75.220 deg. F
temperature	15 (	75.860)	=	75.860 deg. F
temperature	16 (	74.570)	=	74.570 deg. F
temperature	17 (	74.890)	=	74.890 deg. F
temperature	18 (	74.570)	=	74.570 deg. F
temperature	19 (	74.760)	=	74.760 deg. F
temperature	20 (	74.610)	=	74.610 deg. F
temperature	21 (	73.690)	=	73.690 deg. F
temperature	22 (	74.380)	=	74.380 deg. F
temperature	23 (	73.260)	=	73.260 deg. F
temperature	24 (	75.250)	=	75.250 deg. F
temperature	25 (	75.070)	=	75.070 deg. F
temperature	26 (	74.920)	=	74.920 deg. F
temperature	27 (	73.860)	=	73.860 deg. F
dewpoint	1 (	64.790)	=	64.790 deg. F , 0.3032 psia
dewpoint	2 (	64.570)	=	64.570 deg. F , 0.3009 psia
dewpoint	3 (	64.460)	=	64.460 deg. F , 0.2997 psia
dewpoint	4 (	64.510)	=	64.510 deg. F , 0.3003 psia
dewpoint	5 (	64.480)	=	64.480 deg. F , 0.3000 psia
dewpoint	6 (	64.620)	=	64.620 deg. F , 0.3014 psia
pressure	1 (	63.8016)	=	63.8016 psia
pressure	2 (	63.8051)	=	63.8051 psia

weighted averages, volume and air mass

temperature	=	74.52944 deg. F
pressure	=	63.80335 psia
vapor pressure	=	0.30048 psia
volume	=	2600000 cu. ft.
dry air mass	=	834240.64 lbm



PVNGS 2 1991 ILRT -- VERIFICATION

data set 16

time = 2045 date = 1219

sensor		raw data		value
temperature	1 (	74.150)	=	74.150 deg. F
temperature	2 (	74.240)	=	74.240 deg. F
temperature	3 (	74.330)	=	74.330 deg. F
temperature	4 (	74.500)	=	74.500 deg. F
temperature	5 (	74.360)	=	74.360 deg. F
temperature	6 (	74.280)	=	74.280 deg. F
temperature	7 (	74.290)	=	74.290 deg. F
temperature	8 (	74.530)	=	74.530 deg. F
temperature	9 (	74.540)	=	74.540 deg. F
temperature	10 (	74.540)	=	74.540 deg. F
temperature	11 (	74.530)	=	74.530 deg. F
temperature	12 (	74.550)	=	74.550 deg. F
temperature	13 (	74.870)	=	74.870 deg. F
temperature	14 (	75.110)	=	75.110 deg. F
temperature	15 (	75.860)	=	75.860 deg. F
temperature	16 (	74.580)	=	74.580 deg. F
temperature	17 (	74.890)	=	74.890 deg. F
temperature	18 (	74.580)	=	74.580 deg. F
temperature	19 (	74.760)	=	74.760 deg. F
temperature	20 (	74.600)	=	74.600 deg. F
temperature	21 (	73.690)	=	73.690 deg. F
temperature	22 (	74.370)	=	74.370 deg. F
temperature	23 (	73.270)	=	73.270 deg. F
temperature	24 (	75.260)	=	75.260 deg. F
temperature	25 (	75.060)	=	75.060 deg. F
temperature	26 (	74.890)	=	74.890 deg. F
temperature	27 (	73.860)	=	73.860 deg. F
dewpoint	1 (	64.850)	=	64.850 deg. F , 0.3039 psia
dewpoint	2 (	64.590)	=	64.590 deg. F , 0.3011 psia
dewpoint	3 (	64.420)	=	64.420 deg. F , 0.2993 psia
dewpoint	4 (	64.510)	=	64.510 deg. F , 0.3003 psia
dewpoint	5 (	64.370)	=	64.370 deg. F , 0.2988 psia
dewpoint	6 (	64.620)	=	64.620 deg. F , 0.3014 psia
pressure	1 (	63.8003)	=	63.8003 psia
pressure	2 (	63.8040)	=	63.8040 psia

weighted averages, volume and air mass

temperature	=	74.52931 deg. F
pressure	=	63.80215 psia
vapor pressure	=	0.30030 psia
volume	=	2600000 cu. ft.
dry air mass	=	834227.41 lbm



PVNGS 2 1991 ILRT -- VERIFICATION

data set 17

time = 2100 date = 1219

sensor	raw data	value
temperature 1	(74.200) =	74.200 deg. F
temperature 2	(74.230) =	74.230 deg. F
temperature 3	(74.310) =	74.310 deg. F
temperature 4	(74.480) =	74.480 deg. F
temperature 5	(74.310) =	74.310 deg. F
temperature 6	(74.270) =	74.270 deg. F
temperature 7	(74.280) =	74.280 deg. F
temperature 8	(74.510) =	74.510 deg. F
temperature 9	(74.560) =	74.560 deg. F
temperature 10	(74.530) =	74.530 deg. F
temperature 11	(74.500) =	74.500 deg. F
temperature 12	(74.490) =	74.490 deg. F
temperature 13	(74.850) =	74.850 deg. F
temperature 14	(75.170) =	75.170 deg. F
temperature 15	(75.860) =	75.860 deg. F
temperature 16	(74.590) =	74.590 deg. F
temperature 17	(74.870) =	74.870 deg. F
temperature 18	(74.590) =	74.590 deg. F
temperature 19	(74.740) =	74.740 deg. F
temperature 20	(74.600) =	74.600 deg. F
temperature 21	(73.700) =	73.700 deg. F
temperature 22	(74.370) =	74.370 deg. F
temperature 23	(73.270) =	73.270 deg. F
temperature 24	(75.270) =	75.270 deg. F
temperature 25	(75.050) =	75.050 deg. F
temperature 26	(74.950) =	74.950 deg. F
temperature 27	(73.860) =	73.860 deg. F
dewpoint 1	(64.820) =	64.820 deg. F , 0.3035 psia
dewpoint 2	(64.520) =	64.520 deg. F , 0.3004 psia
dewpoint 3	(64.420) =	64.420 deg. F , 0.2993 psia
dewpoint 4	(64.510) =	64.510 deg. F , 0.3003 psia
dewpoint 5	(64.360) =	64.360 deg. F , 0.2987 psia
dewpoint 6	(64.610) =	64.610 deg. F , 0.3013 psia
pressure 1	(63.7993) =	63.7993 psia
pressure 2	(63.8028) =	63.8028 psia

weighted averages, volume and air mass

temperature	=	74.52199 deg. F
pressure	=	63.80105 psia
vapor pressure	=	0.30001 psia
volume	=	2600000 cu. ft.
dry air mass	=	834228.15 lbm



APPENDIX IV

TYPE B AND C TEST RESULTS



PALO VERDE NUCLEAR GENERATING STATION UNIT 2

C Penetrations Tested in 1989

PEN #	Valve #	As found	Date	As left	Date
34	NCB-UV403	0	05/16/89	0	05/18/89
27	SIA-UV655	N/A		20	11/12/89
33	NCB-UV401	2	11/07/89	2	11/08/89
34	NCA-UV402	2	11/07/89	2	11/09/89
34	NCB-UV403	2	11/07/89	20	11/12/89

Type B and C Penetrations Tested in 1990

PEN #	Valve #	As found	Date	As left	Date	PEN #	Valve #	As found	Date	As left	Date
6	DWE-V0061	0	04/01/90	0	04/01/90	40	CHA-UV516	0	04/08/90	0	05/05/90
6	DWE-V0062	0	04/01/90	0	04/01/90	40	CHB-UV523	0	04/08/90	0	05/05/90
7	FPE-V0089	0	02/24/90	0	02/24/90	40	CHB-UV924	0	04/08/90	0	04/08/90
7	FPE-V0090	0	02/24/90	0	04/17/90	41	CHE-VH070	0	04/03/90	550	05/03/90
9	RDA-UV023	0	03/06/90	0	06/10/90	41	CHA-HV524	0	04/03/90	0	06/04/90
9	RDB-UV024	72	03/06/90	0	03/06/90	41	CHE-V0854	0	04/03/90	0	04/03/90
9	RDB-UV407	0	03/06/90	0	03/06/90	42A	SSB-UV201	0	03/09/90	0	03/09/90
21	SIA-V0164	0	02/25/90	1000	04/25/90	42A	SSA-UV204	0	03/09/90	0	03/09/90
21	SIA-UV672	0	02/25/90	0	04/25/90	42B	SSB-UV202	0	03/09/90	0	03/09/90
22	SIB-V0165	0	03/05/90	0	04/21/90	42B	SSA-UV205	200	03/09/90	0	04/22/90
22	SIB-UV671	20	03/05/90	0	05/17/90	42C	SSB-UV200	170	03/09/90	0	06/20/90
25A	HCB-UV044	0	03/27/90	0	03/27/90	42C	SSA-UV203	9	03/09/90	0	06/20/90
25A	HCA-UV045	0	03/27/90	0	03/27/90	43	CHB-UV505	0	04/09/90	0	05/06/90
25B	HCA-UV046	0	03/27/90	0	03/27/90	43	CHA-UV506	0	04/09/90	0	05/01/90
25B	HCA-UV047	4	03/27/90	4	03/27/90	44	CHA-UV560	0	03/25/90	0	05/07/90
26	SIB-PSV189	20	04/07/90	20	04/07/90	44	CHB-UV561	0	04/02/90	0	05/07/90
26	SID-UV654	0	04/07/90	0	06/22/90	45	CHN-V0494	0	03/29/90	0	03/29/90
26	SIB-UV656	25	04/07/90	0	06/22/90	45	CHA-UV580	0	03/29/90	0	03/29/90
26	SIB-HV690	0	04/07/90	0	06/22/90	45	CHA-UV715	0	03/29/90	0	03/29/90
27	SIA-PSV179	0	03/02/90	0	03/02/90	50	PCE-V070	0	03/04/90	0	03/04/90
27	SIC-UV653	0	03/01/90	20	05/09/90	50	PCE-V071	660	03/04/90	660	03/04/90
27	SIA-UV655	1500	03/03/90	20	05/09/90	51	PCE-V0075	0	03/04/90	0	03/04/90
27	SIA-HV691	0	03/03/90	0	05/09/90	51	PCE-V0076	0	03/04/90	0	03/04/90
28	SIE-V463	20	03/24/90	20	03/24/90	52	GRA-UV001	12	03/07/90	0	06/07/90
28	SIE-PSV474	0	03/24/90	0	03/24/90	52	GRB-UV002	0	03/09/90	0	03/09/90
28	SIA-UV682	0	03/24/90	0	05/03/90						

Type B and C Penetrations Tested in 1990 (continued)

29	GAA-UV002	0	03/27/90	0	03/27/90
29	GAE-V0015	0	03/27/90	0	03/27/90
30	GAA-UV001	24	03/26/90	24	03/26/90
30	GAE-V0011	40	03/26/90	25	03/26/90
31	IAA-UV002	0	03/29/90	0	03/29/90
31	IAE-V0021	25	03/29/90	25	03/29/90
33	NCE-V0118	0	04/08/90	50	05/26/90
33	NCB-UV401	0	04/08/90	0	05/26/90
34	NCA-UV402	0	04/09/90	0	04/09/90
34	NCB-UV403	0	04/09/90	10	06/05/90
35	HPA-UV001	800	03/23/90	40	04/16/90
35	HPA-UV003	120	03/23/90	10	04/16/90
35	HPA-UV024	35	03/23/90	35	03/23/90
35	HPA-HV07A	0	03/23/90	0	03/23/90
36	HPB-UV002	0	03/28/90	0	06/05/90
36	HPB-UV004	0	03/28/90	0	06/05/90
36	HPB-HV08A	0	03/28/90	0	03/28/90
38	HPA-V0002	55	03/24/90	55	03/24/90
38	HPA-UV005	3	03/24/90	0	06/02/90
38	HPA-HV07B	0	03/24/90	0	03/24/90
38	HPA-UV023	0	03/24/90	0	03/24/90
39	HPB-V0004	0	03/29/90	0	03/29/90
39	HPB-UV006	19	03/29/90	0	06/23/90
39	HPB-HV08B	0	03/29/90	0	03/29/90

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53	Fuel Tube	0	03/08/90	0	06/15/90
58	ILRT	0	03/09/90	0	05/10/90
59	IAE-V0072	2552	03/03/90	32	06/07/90
59	IAE-V0073	2000	03/03/90	30	06/07/90
60	WCE-V0039	0	04/05/90	20	06/11/90
60	WCB-UV063	10	04/05/90	20	06/09/90
61	WCB-UV061	0	04/02/90	0	06/11/90
61	WCA-UV062	2300	04/02/90	0	06/11/90
62B	ILRT PRESS	0	03/09/90	0	03/09/90
62C	ILRT PRESS	0	03/09/90	0	03/09/90
67	SID-HV331	0	04/07/90	2	06/29/90
67	SIB-V0533	37674	04/07/90	230	05/10/90
72	CHB-HV255	0	04/02/90	0	05/06/90
72	CHN-V0835	0	03/27/90	0	03/27/90
77	SIC-HV321	0	03/06/90	0	03/06/90
77	SIA-V0523	0	03/05/90	0	03/05/90
L2	EQUIPT. HATCH	6	02/26/90	2	06/22/90
ELEC	Z-1--Z-91	314		314	
TOTAL	As found =	48689	As left =	3218	



Electrical Penetrations

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Pen #	ID. NO.	As found	Date	As left	Date	Pen #	ID. NO.	As found	Date	As left	Date
Z-01	ENGNZ010	6	02/14/90	6	02/14/90	Z-48	EPHAZ480	1	03/10/90	1	03/10/90
Z-02	ESFNZ020	6	02/14/90	6	02/14/90	Z-49	ERIAZ490	1	03/10/90	1	03/10/90
Z-03	ENGNZ030	6	02/14/90	6	02/14/90	Z-50	ESFAZ500	1	03/10/90	1	03/10/90
Z-04	ESFNZ040	6	02/14/90	6	02/14/90	Z-51	ESEA2510	1	03/10/90	1	03/10/90
Z-05	ENGNZ050	6	02/14/90	6	02/14/90	Z-52	ERIAZ520	5	03/11/90	5	03/11/90
Z-06	ENHNZ060	6	02/14/90	6	02/14/90	Z-53	EHCNZ530	2	03/10/90	2	03/10/90
Z-07	ENGNZ070	4	02/14/90	4	02/14/90	Z-54	ENGNZ540	2	03/11/90	2	03/11/90
Z-08	ENHNZ080	4	02/14/90	4	02/14/90	Z-55	ENHNZ550	2	03/10/90	2	03/10/90
Z-09	ENHNZ090	4	02/14/90	4	02/14/90	Z-56	ESFNZ560	2	03/10/90	2	03/10/90
Z-10	ENHNZ100	4	02/14/90	4	02/14/90	Z-57	EQFNZ570	2	03/10/90	2	03/10/90
Z-11	ENGNZ110	4	02/14/90	4	02/14/90	Z-58	ESFNZ580	7	03/11/90	7	03/11/90
Z-12	ENHNZ120	4	02/14/90	4	02/14/90	Z-59	ENHNZ590	7	03/11/90	7	03/11/90
Z-13	ENGNZ130	7	02/15/90	7	02/15/90	Z-60	ENGNZ600	7	03/11/90	7	03/11/90
Z-14	EQFNZ140	7	02/15/90	7	02/15/90	Z-61	ENHNZ610	7	03/11/90	7	03/11/90
Z-15	ENHNZ150	7	02/15/90	7	02/15/90	Z-62	ENGNZ620	7	03/11/90	7	03/11/90
Z-16	ENHNZ160	7	02/15/90	7	02/15/90	Z-63	ENHNZ630	7	03/11/90	7	03/11/90
Z-17	ENHNZ170	7	02/15/90	7	02/15/90	Z-64	ESFNZ640	2	03/11/90	2	03/11/90
Z-18	ESFNZ180	7	02/15/90	7	02/15/90	Z-65	ENHNZ650	2	03/11/90	2	03/11/90
Z-19	ENHNZ190	3	02/15/90	3	02/15/90	Z-66	ESFNZ660	2	03/11/90	2	03/11/90
Z-20	ENHNZ200	3	02/15/90	3	02/15/90	Z-67	ENHNZ670	2	03/11/90	2	03/11/90
Z-21	ENHNZ210	3	02/15/90	3	02/15/90	Z-68	ENGNZ680	2	03/11/90	2	03/11/90
Z-22	ESFCZ220	3	02/15/90	3	02/15/90	Z-69	ENGNZ690	2	03/11/90	2	03/11/90
Z-23	EPHCZ230	3	02/15/90	3	02/15/90	Z-70	ENANZ700	2	03/13/90	2	03/13/90
Z-24	EPHCZ240	3	02/15/90	3	02/15/90	Z-71	ENGNZ710	2	03/13/90	2	03/13/90
Z-25	ESFCZ250	4	02/15/90	4	02/15/90	Z-72	ESFNZ720	2	03/13/90	2	03/13/90
Z-26	ESFCZ260	4	02/15/90	4	02/15/90	Z-73	ENHNZ730	2	03/13/90	2	03/13/90
Z-27	ESFCZ270	4	02/15/90	4	02/15/90	Z-74	ESFNZ740	2	03/13/90	2	03/13/90
Z-28	ESACZ280	4	02/15/90	4	02/15/90	Z-75	ESENZ750	3	03/14/90	3	03/14/90
Z-29	EPHCZ290	4	02/15/90	4	02/15/90	Z-76	ESFNZ760	3	03/14/90	3	03/14/90
Z-30	ERICZ300	4	02/15/90	4	02/15/90	Z-77	ESFDZ770	3	03/14/90	3	03/14/90
Z-31	ENANZ310	1	02/28/90	1	02/28/90	Z-78	ESFDZ780	3	03/14/90	3	03/14/90
Z-32	ENGNZ320	1	02/28/90	1	02/28/90	Z-79	ERIDZ790	3	03/14/90	3	03/14/90
Z-33	ENANZ330	1	02/28/90	1	02/28/90	Z-80	ESFNZ800	3	03/14/90	3	03/14/90
Z-34	EPHBZ340	1	02/28/90	1	02/28/90	Z-81	ESADZ810	4	03/14/90	4	03/14/90
Z-35	ERIBZ350	1	02/28/90	1	02/28/90	Z-82	ESFNZ820	4	03/14/90	4	03/14/90
Z-36	ESEBZ360	1	02/28/90	1	02/28/90	Z-83	ESFDZ830	4	03/14/90	4	03/14/90
Z-37	ESABZ370	3	02/28/90	3	02/28/90	Z-84	ESFNZ840	4	03/14/90	4	03/14/90
Z-38	ESFBZ380	3	02/28/90	3	02/28/90	Z-85	ESADZ850	4	03/14/90	4	03/14/90
Z-39	EPHBZ390	3	02/28/90	3	02/28/90	Z-86	EPHNZ860	4	03/14/90	4	03/14/90
Z-40	ERIBZ400	3	02/28/90	3	02/28/90	Z-87	ESFNZ870	2	03/14/90	2	03/14/90
Z-41	EPHBZ410	3	02/28/90	3	02/28/90	Z-88	ENGNZ880	2	03/14/90	2	03/14/90
Z-42	EPHBZ420	3	02/28/90	3	02/28/90	Z-89	ESFNZ890	2	03/14/90	2	03/14/90
Z-43	EPHNZ430	3	02/28/90	3	02/28/90	Z-90	ENGNZ900	2	03/14/90	2	03/14/90
Z-44	ENANZ440	3	02/28/90	3	02/28/90	Z-91	ESFNZ910	2	03/14/90	2	03/14/90
Z-45	ENANZ450	3	02/28/90	3	02/28/90						
Z-46	EPHAZ460	1	03/10/90	1	03/10/90						
Z-47	ESAAZ470	1	03/10/90	1	03/10/90						
TOTAL						As Found=	314	As Left=	314		

Type B and C Penetrations Tested in 1991

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PEN #	Valve #	As found	Date	As left	Date	PEN #	Valve #	As found	Date	As left	Date
6	DWE-V0061	198	10/19/91	198	10/19/91	40	CHA-UV516	2	11/09/91	2	11/09/91
6	DWE-V0062	145	10/19/91	145	10/19/91	40	CHB-UV523	11	11/09/91	11	11/09/91
						40	CHB-UV924	11	11/09/91	11	11/09/91
7	FPE-V0089	20	10/23/91	20	10/23/91	41	CHE-VH070	2	11/07/91	2	11/07/91
7	FPE-V0090	0	10/23/91	0	10/23/91	41	CHA-HV524	1	11/07/91	2	11/26/91
						41	CHE-V0854	1	11/07/91	2	11/26/91
9	RDA-UV023	9	10/22/91	9	10/22/91	42A	SSB-UV201	21	10/25/91	21	10/25/91
9	RDB-UV024	2	10/22/91	2	10/22/91	42A	SSA-UV204	9	10/25/91	9	10/25/91
9	RDB-UV407	2	10/22/91	2	10/22/91						
21	SIA-V0164	360	11/12/91	360	11/12/91	42B	SSB-UV202	0	10/25/91	2	12/13/91
21	SIA-UV672	179	11/12/91	125	12/09/91	42B	SSA-UV205	395	10/25/91	2	12/13/91
22	SIB-V0165	85	11/09/91	6	11/23/91	42C	SSB-UV200	2	10/25/91	2	10/25/91
22	SIB-UV671	424	11/10/91	622	11/24/91	42C	SSA-UV203	0	10/24/91	0	10/24/91
25A	HCB-UV044	22	10/23/91	22	10/23/91	43	CHB-UV505	2	11/11/91	2	11/11/91
25A	HCA-UV045	2	10/23/91	2	10/23/91	43	CHA-UV506	2	11/11/91	2	11/11/91
25B	HCA-UV046	6	10/23/91	6	10/23/91	44	CHA-UV560	3	11/15/91	3	11/15/91
25B	HCA-UV047	2	10/23/91	2	10/23/91	44	CHB-UV561	541	11/15/91	541	11/15/91
26	SIB-PSV189	400	11/08/91	178	11/23/91	45	CHN-V0494	2	11/10/91	2	11/10/91
26	SID-UV654	142	11/08/91	495	11/23/91	45	CHA-UV580	572	11/10/91	161	11/27/91
26	SIB-UV656	400	11/08/91	178	11/23/91	45	CHA-UV715	58	11/10/91	58	11/10/91
26	SIB-HV690	400	11/08/91	178	11/23/91						
27	SIA-PSV179	1062	11/18/91	20	12/27/91	50	PCE-V0070	0	10/20/91	0	10/20/91
27	SIC-UV653	10	11/18/91	178	12/27/91	50	PCE-V0071	1	10/20/91	1	10/20/91
27	SIA-UV655	1062	11/18/91	20	12/27/91						
27	SIA-HV691	134792	11/18/91	20	12/27/91	51	PCE-V0075	1	10/23/91	1	10/23/91
						51	PCE-V0076	1	10/23/91	1	10/23/91
28	SIE-V463	2	11/10/91	2	11/10/91	52	GRA-UV001	13	11/12/91	13	11/12/91
28	SIE-PSV474	2	11/10/91	2	11/10/91	52	GRB-UV002	170	11/12/91	170	11/12/91
28	SIA-UV682	2	11/10/91	2	11/10/91						

Type B and C Penetrations Tested in 1991 (continued)

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29	GAA-UV002	456	10/21/91	141	12/06/91	53	Fuel Tube	0	10/18/91	2	12/15/91
29	GAE-V0015	156	10/21/91	156	10/21/91	58	ILRT	0	10/19/91	2	12/21/91
30	GAA-UV001	30	10/20/91	30	10/20/91	59	IAE-V0072	4900	10/21/91	668	12/07/91
30	GAE-V0011	90	10/20/91	90	10/20/91	59	IAE-V0073	575	10/21/91	575	10/21/91
31	IAA-UV002	264	11/14/91	264	11/14/91	60	WCE-V0039	0	11/03/91	0	11/03/91
31	IAE-V0021	257	11/14/91	257	11/14/91	60	WCB-UV063	252	11/03/91	87	12/13/91
33	NCE-V0118	9	11/03/91	9	11/03/91	61	WCB-UV061	0	11/04/91	2	12/13/91
33	NCB-UV401	2	11/03/91	2	12/07/91	61	WCA-UV062	5	11/04/91	5	11/04/91
34	NCA-UV402	150000	11/05/91	0	12/07/91	62B	ILRT PRESS	1	11/06/91	2	12/23/91
34	NCB-UV403	112216	11/05/91	236	12/07/91	62C	ILRT PRESS	1	11/06/91	2	12/23/91
35	HPA-UV001	181	10/24/91	380	12/13/91	67	SID-HV331	315	11/10/91	91	12/07/91
35	HPA-UV003	2	10/24/91	2	10/24/91	67	SIB-V0533	420	11/10/91	420	11/10/91
35	HPA-UV024	12	10/24/91	12	10/24/91	72	CHB-HV255	1565	11/07/91	7	11/27/91
35	HPA-HV07A	2	10/24/91	2	10/24/91	72	CHN-V0835	8	11/07/91	8	11/07/91
36	HPB-UV002	0	10/23/91	0	10/23/91	77	SIC-HV321	245	11/20/91	24	12/09/91
36	HPB-UV004	170	10/23/91	170	10/23/91	77	SIA-V0523	129	11/20/91	129	11/20/91
36	HPB-HV08A	170	10/23/91	170	10/23/91	L2	EQUIPT. HATCH	9	10/18/91	3	12/23/91
38	HPA-V0002	2	10/24/91	2	10/24/91	ELEC	Z-1--Z-91	335		335	
38	HPA-UV005	31	10/24/91	35	12/08/91	TOTAL	As found =	414490	As left =	8272	
38	HPA-HV07B	31	10/24/91	35	12/08/91						
38	HPA-UV023	31	10/24/91	35	12/08/91						
39	HPB-V0004	33	10/24/91	33	10/24/91						
39	HPB-UV006	17	10/24/91	17	12/08/91						
39	HPB-HV08B	17	10/24/91	17	12/08/91						

Electrical Penetrations

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IN #	ID. NO.	As found	Date	As left	Date	PEN #	ID. NO.	As found	Date	As left	Date
Z-01	ENGN2010	4	10/18/91	4	10/18/91	Z-48	EPHAZ480	3	11/12/91	3	11/12/91
Z-02	ESFN2020	4	10/18/91	4	10/18/91	Z-49	ERIAZ490	3	11/12/91	3	11/12/91
Z-03	ENGN2030	4	10/18/91	4	10/18/91	Z-50	ESFAZ500	3	11/12/91	3	11/12/91
Z-04	ESFN2040	4	10/18/91	4	10/18/91	Z-51	ESEA2510	3	11/12/91	3	11/12/91
Z-05	ENGN2050	4	10/18/91	4	10/18/91	Z-52	ERIAZ520	5	11/13/91	5	11/13/91
Z-06	ENHN2060	4	10/18/91	4	10/18/91	Z-53	EHCNZ530	5	11/13/91	5	11/13/91
Z-07	ENGN2070	8	10/18/91	8	10/18/91	Z-54	ENGN2540	5	11/13/91	5	11/13/91
Z-08	ENHN2080	8	10/18/91	8	10/18/91	Z-55	ENHN2550	5	11/13/91	5	11/13/91
Z-09	ENHN2090	8	10/18/91	8	10/18/91	Z-56	ESFN2560	5	11/13/91	5	11/13/91
Z-10	ENHN2100	8	10/18/91	8	10/18/91	Z-57	EQFN2570	5	11/12/91	5	11/12/91
Z-11	ENGN2110	8	10/18/91	8	10/18/91	Z-58	ESFN2580	2	11/13/91	2	11/13/91
Z-12	ENHN2120	8	10/18/91	8	10/18/91	Z-59	ENHN2590	2	11/13/91	2	11/13/91
Z-13	ENGN2130	3	10/19/91	3	10/19/91	Z-60	ENGN2600	2	11/13/91	2	11/13/91
Z-14	EQFN2140	3	10/19/91	3	10/19/91	Z-61	ENHN2610	5	11/13/91	5	11/13/91
Z-15	ENHN2150	3	10/19/91	3	10/19/91	Z-62	ENGN2620	2	11/13/91	2	11/13/91
Z-16	ENHN2160	3	10/19/91	3	10/19/91	Z-63	ENHN2630	2	11/13/91	2	11/13/91
Z-17	ENHN2170	3	10/19/91	3	10/19/91	Z-64	ESFN2640	6	11/13/91	6	11/13/91
Z-18	ESFN2180	3	10/19/91	3	10/19/91	Z-65	ENHN2650	6	11/13/91	6	11/13/91
Z-19	ENHN2190	0	11/05/91	0	11/05/91	Z-66	ESFN2660	6	11/13/91	6	11/13/91
Z-20	ENHN2200	0	11/05/91	0	11/05/91	Z-67	ENHN2670	6	11/13/91	6	11/13/91
Z-21	ENHN2210	0	11/05/91	0	11/05/91	Z-68	ENGN2680	6	11/13/91	6	11/13/91
Z-22	ESFC2220	0	11/05/91	0	11/05/91	Z-69	ENGN2690	6	11/13/91	6	11/13/91
Z-23	EPHC2230	0	11/05/91	0	11/05/91	Z-70	ENAN2700	2	11/25/91	2	11/25/91
Z-24	EPHC2240	0	11/05/91	0	11/05/91	Z-71	ENGN2710	4	11/19/91	4	11/19/91
Z-25	ESFC2250	0	11/05/91	0	11/05/91	Z-72	ESFN2720	4	11/19/91	4	11/19/91
Z-26	ESFC2260	0	11/05/91	0	11/05/91	Z-73	ENHN2730	4	11/19/91	4	11/19/91
Z-27	ESFC2270	0	11/05/91	0	11/05/91	Z-74	ESFN2740	4	11/19/91	4	11/19/91
Z-28	ESAC2280	0	11/05/91	0	11/05/91	Z-75	ESEN2750	4	11/19/91	4	11/19/91
Z-29	EPHC2290	0	11/05/91	0	11/05/91	Z-76	ESFN2760	4	11/19/91	4	11/19/91
Z-30	ERIC2300	0	11/05/91	0	11/05/91	Z-77	ESFD2770	2	11/24/91	2	11/24/91
Z-31	ENAN2310	2	11/27/91	2	11/27/91	Z-78	ESFD2780	2	11/24/91	2	11/24/91
Z-32	ENGN2320	7	11/05/91	7	11/05/91	Z-79	ERID2790	2	11/24/91	2	11/24/91
Z-33	ENAN2330	7	11/05/91	7	11/05/91	Z-80	ESFN2800	2	11/24/91	2	11/24/91
Z-34	EPHB2340	7	11/05/91	7	11/05/91	Z-81	ESAD2810	2	11/24/91	2	11/24/91
Z-35	ERIB2350	7	11/05/91	7	11/05/91	Z-82	ESFN2820	2	11/24/91	2	11/24/91
Z-36	ESEB2360	7	11/05/91	7	11/05/91	Z-83	ESFD2830	6	11/25/91	6	11/25/91
Z-37	ESAB2370	7	11/05/91	7	11/05/91	Z-84	ESFN2840	6	11/25/91	6	11/25/91
Z-38	ESFB2380	2	11/11/91	2	11/11/91	Z-85	ESAD2850	6	11/25/91	6	11/25/91
Z-39	EPHB2390	2	11/11/91	2	11/11/91	Z-86	EPHN2860	6	11/25/91	6	11/25/91
Z-40	ERIB2400	2	11/11/91	2	11/11/91	Z-87	ESFN2870	6	11/25/91	6	11/25/91
Z-41	EPHB2410	2	11/11/91	2	11/11/91	Z-88	ENGN2880	2	11/25/91	2	11/25/91
Z-42	EPHB2420	2	11/11/91	2	11/11/91	Z-89	ESFN2890	2	11/25/91	2	11/25/91
Z-43	EPHN2430	6	11/12/91	6	11/12/91	Z-90	ENGN2900	2	11/25/91	2	11/25/91
Z-44	ENAN2440	8	12/20/91	8	12/20/91	Z-91	ESFN2910	2	11/25/91	2	11/25/91
Z-45	ENAN2450	2	11/12/91	2	11/12/91						
Z-46	EPHAZ460	3	11/12/91	3	11/12/91						
Z-47	ESAAZ470	3	11/12/91	3	11/12/91						
						TOTAL	As Found=	335	As Left=	335	

42" Containment Ventilation Purge Penetrations

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PEN # ID. NO.

56 CPAUV002A/CPBUV003A
0 09/28/88
0 02/02/89
49 05/26/89
0 07/20/89
800 10/25/89
160 10/27/89
20 10/28/89
330 06/19/90
2 06/25/90
25 06/30/90
10 08/30/90
5 02/14/91
60 09/24/91
200 12/24/91

PEN # ID. NO.

57 CPAUV002B/CPBUV003B
0 11/01/88
0 04/14/89
0 05/26/89
0 10/25/89
40 10/28/89
40 10/28/89
250 06/25/90
2 06/25/90
14 06/30/90
330 12/14/90
1035 05/29/91
179 12/21/91
600 12/24/91

8" Containment Ventilation Purge Penetrations

PEN # ID. NO.

78 CPAUV004A/CPBUV005A
0 09/01/88
0 11/29/88
0 03/01/89
0 05/26/89
0 08/23/89
10 11/01/89
2 11/06/89
0 11/08/89
3000 06/19/90
0 06/21/90
0 09/14/90
620 12/11/90
199 03/13/91
14 06/05/91
100 09/03/91
2 12/09/91

PEN # ID. NO.

79 CPAUV004B/CPBUV005B
0 09/01/88
0 12/01/88
0 03/01/89
0 05/26/89
0 08/23/89
0 11/01/89
5 11/06/89
0 11/09/89
2 06/19/90
10 12/11/90
0 09/14/90
550 03/13/91
18 06/05/91
14 09/03/91
2 12/09/91

Containment Air Locks

PEN # ID. NO.

L1 ZCNM01
0 11/30/88
49 05/25/89
0 10/31/89
1700 06/28/90
25 11/24/90
0 05/11/91
4450 12/24/91

PEN # ID. NO.

L3 ZCNM02
0 11/22/88
0 05/18/89
0 11/02/89
2 06/27/90
25 12/07/90
0 05/12/91
360 12/21/91

