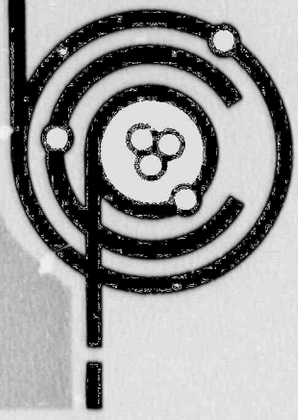


GEORGIA POWER COMPANY

VOGTLE ELECTRIC GENERATING PLANT

UNIT 1

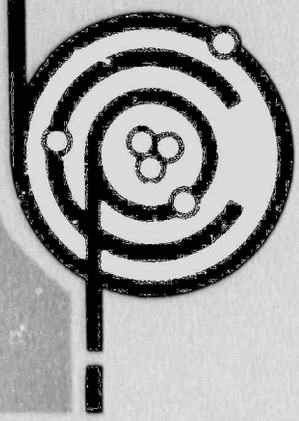
REACTOR CONTAINMENT BUILDING

1990 INTEGRATED LEAKAGE RATE TEST

FINAL REPORT

BCP

3000 General DeGaulle • Suite 210
New Orleans, Louisiana 70114 • Phone (504) 361-4236



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Prepared By:

BCP Technical Services, Inc.

March 1990

TABLE OF CONTENTS

1. INTRODUCTION

The containment integrated leakage rate test (ILRT) is performed as required by 10CFR50/Appendix J (Reference 1) to demonstrate that leakage through 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 2), which is cited in Appendix J, and in BN-TOP-1 (Reference 3), which defines alternative requirements acceptable to the USNRC. The conduct of the ILRT follows a plant surveillance procedure (Reference 4) which contains detailed instructions for all test phases.

References 1 and 3 provide two distinct options for the performance of an ILRT. If the Type A test has a duration of at least 24 hours, Ref. 1 allows leakage rate calculations to be performed using the mass point method defined in ANSI/ANS 56.8 (Ref. 5). If the Type A test has a duration less than 24 hours, then leakage rate calculations must be performed using the total time method described in Ref. 3. The 95% upper confidence limit calculation derived in Ref. 3 provides a very conservative (relative to the mass point UCL defined in Ref. 5) upper bound on leakage rate. Since the Type A test reported herein had a duration of 8 hours, total time calculations were used to determine leakage rate. Mass point calculation results are listed in Section 5, but are provided for information only.

The Vogtle Unit 1 - 1990 ILRT is described in detail in the following sections of this report. Section 2, Summary, summarizes test activities and results. Section 3, Methodology, describes measurements and calculations. Section 4, Procedures, describes plant status, containment pressurization and test phases. Section 5, Results, presents the results of the measurements and calculations for the Type A test and verification test. Section 6 lists references and the Appendix contains a description of the containment, a synopsis of the computer program used to calculate leakage rate, a listing of Type B and C test results and a listing of all containment atmospheric condition data recorded during the test.

2. Summary

The Vogtle Unit 1- 1990 ILRT was conducted on March 28-30, 1990. Pressurization commenced at 6:10 PM (All times are EST) on March 28 following the completion of all prerequisite activities and the containment was isolated at 7:17 AM on the 29th when pressure had reached 45.9 psig. The eight hour Type A test was started at noon on the 29th following a stabilization of just under 4 and three quarters hours. All stabilization criteria were met during this period. Stabilization was extended beyond the 4 hour minimum required by Ref. 4 to insure that the change in containment air mass with time was linear--a condition which provides confidence that the test can be completed in 8 hours so long as the leakage rate is small. A verification flow of 0.1804 wt.%/day was initiated between 8:00 and 8:15 PM on the 29th and the verification test was started at 9:15 PM following the one hour stabilization required by Ref. 3. The verification test was concluded at 1:15 AM on the 30th. Containment depressurization commenced shortly after the completion of the verification test. Depressurization required about 6.5 hours.

Test results are listed below:

95% UCL on total time leakage rate	0.1048 wt.%/day
Acceptance limit (.75 La)	0.1500 wt.%/day
Extrapolated total time calculated leakage rate	<0.0846 wt.%/day
Acceptance limit (.75 La)	0.1500 wt.%/day
Mean of the measured leakage rates	<0.1024 wt.%/day
Acceptance limit (La)	0.2000 wt.%/day
Total time calculated leakage rate, verification	0.2505 wt.%/day
Upper limit	0.3150 wt.%/day
Lower limit	0.2150 wt.%/day

The final as left leakage rate (UCL) is 0.1048 wt %/day, since penalities for penetrations in non-standard alignment and water inventory change add to less than 0.00005 wt.%/day and therefore do not change the least significant digit in the reported leakage rate.

The calculated as found leakage rate (UCL) is 0.1061 wt.%/day. This is the sum of the 0.1048 wt.%/day as left UCL and the 0.0031 wt.%/day minimum pathway improvement made during the local leakage rate testing program.

3. METHODOLOGY

3.1 Leakage Rate Calculation

Integrated Leakage Rate is determined by calculating the average rate of loss of dry air from the containment. The quantity of dry air in the containment is calculated 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 thirty (30) measured temperatures and their associated weighting factors (discussed below). Individual dewpoint temperatures are converted to vapor pressures using the ASME Steam Table algorithm relating saturation pressures and temperatures. A single average vapor pressure is calculated as the sum of the products of six (6) individual pressures and their associated weighting factors. Dry air partial pressure, P, is measured total pressure less average vapor pressure. The quantity of air in the containment is computed using the ideal gas law,

$$M = PV/RT$$

where M is the quantity of air in pounds mass, V is containment free air volume in cubic feet, R is the gas constant* for air and P and T are defined above. Containment free air volume used for ILRT calculations is 2,841,900 cubic feet (see Appendix I).

The quantity of dry air is calculated so that evaporation of water and condensation of vapor, which are purely internal processes, do not affect the computed leakage rate.

Assuming that leakage rate is constant, it is best defined as the slope of a line fitted to the air mass and time data sets. The slope of this line is the average rate of loss of air. Reference 3 takes a somewhat different approach to calculating leakage rate. The total time method described in Reference 3 is based on the premise that leakage rate varies linearly with time. Measured leakage rates are determined for air mass values derived from data collected at regular (15 minute) intervals. Measured rate is initial air mass less current air mass divided by current time less initial time. A straight line is fitted to the measured rate versus time data using the method of least squares. The calculated leakage rate is defined as the ordinate of this line at the end of the test.

The measured leakage rates will exhibit some scatter about the fitted line with the result that there is a statistically determinable uncertainty as to the true rate. The uncertainty is quantified by calculating a 95% confidence band for the end of test measured leakage rate. The upper limit of this confidence band is a very conservative bound on true leakage rate.

Reference 3 specifies three acceptance criteria. First, the upper limit of the 95% confidence band on the end of test measured leakage rate must be less than the acceptance leakage rate (per Reference 1, this acceptance rate is 75% of the maximum allowable leakage rate defined in the Technical Specifications or, .75 x 0.200%/Day = 0.150%/Day).

* R = 53.35 (pounds force x feet)/(pounds mass x degrees Rankine)

3. METHODOLOGY (cont)

3.1 Leakage Rate Calculation (cont)

Second, the calculated leakage rate extrapolated to a twenty-four hour test duration must be less than the acceptance leakage rate.

Finally, the mean of the measured leakage rates over the final five (5) hours of the test must be less than the maximum allowable leakage rate. The test may be terminated when all three criteria are met if the duration is at least six (6) hours (eight hours per Reference 4).

Following the conclusion of the test, the calculational method is verified by imposing an additional leak on the containment and calculating the new leakage rate. The imposed leak, vented from the containment through a flow meter, is approximately equal to the maximum allowable leakage rate. The new calculated leakage rate must equal the previously calculated rate plus the imposed rate plus or minus 25% of the maximum allowable leakage rate. This supplemental test also provides a rough check on pressure measurement since a large error in the measurement of pressure change will result in a calculated leakage rate which differs significantly from the expected rate.

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 through temporary tubing to a spare electrical penetration (Pen.31) dedicated to ILRT. Thirty (30) drybulb and six (6) dewpoint temperature sensors were installed in the containment at approximately equally spaced elevations. Sensor locations and weighting factors (volume fractions) are listed in Table 1. Dewpoint temperature sensor ME-03 started to show an erratic output during stabilization and was eliminated from consideration by assignment of a zero volume fraction. The fraction (0.190) previously assigned to ME-03 was reallocated in equal parts to ME-02 and ME-04. Sensor locations and weighting factors were established by considering temperature distributions in past tests and the containment geometry (the containment is described in Appendix I). 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 with the sensor at its approximate vertical centroid. While there is no evidence that containment atmospheric conditions vary with plan location, the possibility of an unusual in plane temperature distribution was accounted for by arranging sensors in a spiral configuration. The bearing of each sensor is advanced approximately 90 degrees (drybulb) or 180 degrees (dewpoint) from that of the sensor above it. Above the refuel floor, radius was set such that one half of the horizontal slice area was inside the spiral surface and the other half outside. Below the refuel floor, sensors were positioned about midway between the secondary shield and the liner. One drybulb sensor was suspended in the refuel cavity. Sensors above the refuel floor were suspended from spray rings and structural steel. Those below the refuel floor were suspended from grating, piping and structural steel. Deviations from theoretical locations were made to allow for interferences.

3. METHODOLOGY (cont)

3.2 Test Measurements (cont)

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 a 24 V DC input. The RTD sensing mirror temperature provides the output. This RTD is wired to the data acquisition system exactly as are the RTD's used to sense drybulb temperature.

Absolute pressure was measured by a vibrating cylinder pressure transducer. This device uses an electronic circuit to determine a modal frequency of a cylinder subjected to absolute (one side containment pressure/one side vacuum) containment pressure. This frequency varies approximately linearly with pressure. An internal microprocessor is programmed during calibration to convert frequency to true absolute pressure in engineering units. The pressure transducers have a resolution of 0.0001 PSI and a stability of 0.001 PSI (based on deviations between two transducers over the eight hour test duration).

A digital data acquisition system was used to collect data at fifteen (15) minute intervals and transfer that data to the ILRT computer over a serial (bit by bit transmission) link. The data system included the conditioning for the RTD's and converted resistance to temperature with a 0.01 degree C resolution. The pressure transducers provided a binary coded decimal output to the data system. This was passed on to the computer as a five digit number (XX.XXX) and a single digit number (.000X). This dual output was necessary since the data acquisition system has an output limitation of about 80,000 counts. The data system generated a printed tape record of each data set transmitted to the computer.

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

Other instrumentation included a variable area flow meter (connected to dedicated ILRT penetration 31) to measure imposed leakage during the supplemental test and two gages to measure containment gage pressure. All temporary instrumentation was calibrated to the requirements of Reference 4 prior to the ILRT and, with the exception of dewpoint temperature sensor No. 3, performed well during the test. Instrument performance is illustrated by the plots of drybulb and dewpoint temperatures recorded during the Type A test. These plots follow the tabular data in Appendix III. Permanent plant instrumentation was used to measure containment sump and vessel water levels. Water quantities were tracked since a correction to calculated leakage rate may be required if total water inventory increases during the ILRT (a water injection is equivalent to a negative leakage which lowers the calculated leakage rate).

4. PROCEDURES

4.1 Plant Status

Plant systems were aligned for the ILRT as specified in Reference 4 which incorporates both FSAR and operational requirements. Isolation valves were set in the post-LOCA positions specified in the FSAR 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 post-LOCA scenarios. All sources of gas at pressures above containment test pressure were isolated or vented to prevent leakage into the containment free air space during the ILRT. All Type B and C local leakage rate tests, including those on the airlock, were completed prior to the start of ILRT pressurization. Containment sumps were pumped down prior to the start of pressurization. One loop of shutdown cooling was in continuous operation through the entire test period to remove core decay heat. Containment lights and fans were shut off for the test. However, nuclear service cooling water flow to the containment cooling units was maintained to limit pump discharge pressures.

Prior to containment closure a temperature survey was performed, with fans off, to confirm the expected trend of drybulb and dewpoint temperatures. An in-situ test on the in containment instruments was performed to demonstrate proper functioning with the long field cables connecting instruments to the data system. RTD in-situ tests were done using an ice bath and verifying ice point temperature (plus or minus a tolerance) at the data system. Dewpoint temperature sensor in-situ tests were performed using a digital temperature/humidity indicator.

The official test copy of Reference 4 documents plant status, including all exceptions to specified conditions. It also documents the completion of all prerequisite activities.

4.2 Pressurization

The containment was pressurized using diesel driven, oil free compressors having an aggregate capacity of 1[illegible] SCFM. Compressor discharge was routed through two aftercooler/dryer trains and thence through two temporary pipe to a temporary manifold which connected to containment penetrations 68 and 87. The containment was isolated for the test by valves close to the penetrations (in-service isolation for these penetrations consists of double O-ring blind flanges inside containment). Air was cooled and dried to limit temperature rise and prevent saturation. Excessive temperature rise and saturated air can greatly increase test duration.

Pressurization commenced at about 6:10 PM on March 28, 1990 and was stopped at about 7:17 AM on the following day when pressure had reached 45.9 psig. Pressurizer level dropped during the early stages of pressurization and the containment was isolated for several hours during which time the level drop was evaluated and makeup water was injected. As a result, total time to pressurize the containment was increased from the expected 8 hours to 13 hours.

4.2 Pressurization (cont)

Pressurization was terminated close to the upper end of the allowable 45-46 psig window to ensure that pressure would be above 45 psig at the start of the Type A test. The upper end of the window was selected since containment mean temperature increased during pressurization and would fall, with an accompanying drop in pressure, during stabilization. The containment was isolated for the ILRT by manually operated valves situated just outboard of penetrations 58 and 87. Containment atmospheric condition data was recorded at 15 minute intervals during pressurization. Figures 1 and 2 are plots of containment absolute pressure and mean temperature, respectively, during pressurization. The periods when pressurization was stopped are clearly evident on these figures. The first period covers about an hour and a half beginning shortly after 6 PM on the 28th. The second period extends from shortly before midnight until about 3 a.m. on the 29th. During this period some air was vented from the containment and pressurizer level rose, showing that level changes were due to air pockets in the RCS. Mean temperature is seen on Figure 2 to rise rapidly (due to adiabatic heating) when pressurization starts and to fall when it stops. It is clear on the plot that mean temperature at the end of pressurization is well above that prevailing at the start.

It should be noted that Figures 1 and 2, as well as the other graphs included in this report consist of linear segments connecting points which represent data collected at 15 minute intervals or parameters derived from this data. Intermediate points on the connecting segments do not necessarily correspond real values of the plotted parameters.

4.3 Stabilization, Type A Test and Verification

Following the completion of pressurization, the containment atmosphere was allowed to stabilize for about four and three quarters hours. The additional time was allowed over and above the 4 hour minimum required by Ref. 4 to give added assurance that the containment air mass was decreasing linearly with time. If the Type A test is started before the mass plot is linear, the duration may greatly exceed the eight hour minimum. Figure 3 is a plot of calculated air mass vs. time for the stabilization period. The final two hours of the plot show a definite linear trend. Figure 3A is a plot of the air mass during the last 2 hours of stabilization and the Type A test. This plot verifies that the air mass/time characteristic observed during the last 2 hours of stabilization is the same as that seen during the Type A test.

The numerical stabilization criteria specified in Ref. 4 were satisfied at the end of the period. These are listed below.

Average rate of temperature change over the last 2 hours---	-0.330 deg F/hr
Acceptance limit---	<0.500 deg F/hr
Average rate of temperature change over the last 4 hours---	-0.587 deg F/hr
Average rate of temperature change over the last hour------	-0.291 deg F/hr
Difference---	0.296 deg F/hr
Acceptance limit (on difference)---	<0.500 deg F/hr

4.3 Stabilization, Type A Test and Verification (cont)

Mean temperature calculated using the data recorded during stabilization is listed in Table 2 and graphed in Figure 4. Data were recorded at 15 minute intervals during stabilization, the Type A test and verification.

The Type A test was started at 12 noon on March 29 and completed in the minimum allowable time of eight hours at 8 PM on the same day. Containment gage pressure at the start of the test was 45.4 psig, 0.4 psig above the minimum 45.0 psig specified in Ref. 4. Containment sump and vessel levels were recorded during the Type A test to provide data which might be required to correct calculated leakage rate. Such a correction must be made if the net containment water inventory increases during the test since an increase has the effect to reducing calculated leakage rate.

Following the completion of the Type A test, a controlled leakage of 0.1804 wt.%/day was established through variable area flow meter. This flow, which is between the limits of .75 La and 1.25 La specified in Ref. 3, was calculated using the volumetric flow corresponding to the flowmeter setting (the calibration point closest to La), containment free air volume and containment temperature and pressure at the end of the Type A test. A correction was made for flowmeter discharge temperature and pressure. A steady flow was established by 8:15 PM and the verification test commenced at 9:15 PM following the one hour stabilization period required by Ref. 3. The verification test was completed in the four minimum time at 1:15 AM on March 30.

Containment depressurization commenced a short time after the verification test was completed. Depressurization rate was limited to not more than 10 psi in any one hour period. Containment pressure reached atmospheric between 7 and 8 AM on March 30. Total depressurization time was about 6.5 hours. Containment and other plant systems modified for the ILRT were restored to normal following depressurization.

5. RESULTS

5.1 Type A Test

The acceptance criteria specified in Reference 4 were met well before the completion of the 8 hour test. The end of test leakage rate values and acceptance limits are listed below.

95% UCL on total time leakage rate	0.1048 wt.%/day
Acceptance limit (.75 La)	0.1500 wt.%/day
Total time calculated rate extrapolated to 24 hours	<0.0846 wt.%/day
Acceptance limit (.75 La)	0.1500 wt.%/day
Mean of measured leakage rates over the final 5 hours of the test	<0.1024 wt.%/day
Acceptance limit (La)	0.2000 wt.%/day

Acceptance limits are based on the maximum allowable leakage rate of 0.2 wt.%/day specified in the Technical Specifications. For return to power following an outage, the as left leakage rate must be less than 75% (per Reference 1) 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 3 to both the UCL and extrapolated rate values. Since the mean of the measured rates is normally less than the UCL, the third criterion is generally not a factor in acceptance. The UCL rate shown above is the final as left value since penalties for penetrations with non-standard alignments add to a very small value and there were no significant changes in containment water inventory.

As left minimum pathway leakage rates for penetrations with non-standard alignments are listed below.

Penetration	Function	Minimum Pathway Leakage, SCCM
68	ILRT Pressurization	6.0
87	ILRT Pressurization	6.0
49	Seal Leakoff	86.2
31	ILRT Pressure Sense & Verification	0.3
62	PRT Vent	6.2
	Sum	104.7 SCCM

Equivalent rate in SCFD = 104.7x60x24/28317 = 5.324 SCFD
End of Test (Type A) Air Mass = 852781.1 Lbm.

5.324 SCFD ~ 5.324x14.69x144/53.35x529.67 (T_{std}=>70 ^{o}F) = 0.4Lbm/day

Equivalent leakage rate = 0.4/852781.1 = 0.000047 wt.%/day<0.00005 wt.%/day
Since the rate is less that 0.00005, no correction to the rates reported above is required.

5. RESULTS (cont)

5.1 Type A Test (cont)

Table 3 lists air mass and leakage rates (measured, calculated and UCL) for each of the thirty-three (33) data sets recorded during the 8 hour test. The extrapolated rate is determined by manually extrapolating the final twenty-one (21) calculated leakage rates out to twenty-four (24) hours. The final twenty-one (21) points show a generally falling trend. The net effect is an extrapolated rate below 0.0846 wt.%/day which is the final value. How much below depends on the method of extrapolation which is not defined in Reference 3. The mean of the measured rates is less than the maximum value which is 0.1024 wt.%/day. The air mass values listed in Table 3 are graphed in Figure 5. The various lines on the graph are annotated. The air mass decreased linearly with time as expected. Scatter is small relative to the already small allowable loss in air mass over the test period.

Containment mean temperature, total pressure and mean vapor pressure are listed in Table 4 and plotted in Figures 6, 7 and 8. These parameters decreased smoothly with time. While vapor pressure appears to show some scatter, this would not be noticeable if the plot were to the same scale as that for total pressure. The narrower range for vapor pressure was selected to show the trend over the test period.

The changes in total time leakage rate and UCL with increasing test duration are illustrated in Figure 9. The calculated rate changes rather little (relative to an already small La) after the initial three (3) hours of test. The UCL is asymptotic to calculated rate as is typical. The large difference between calculated rate and UCL is the result of the conservative approach to UCL taken in BN-TOP-1 (Reference 3).

The leakage rate which would have been found had the test been conducted at the beginning of the outage and prior to performing repairs and adjustments on valves and operators can be estimated by adding the as-left leakage rate to the penetration minimum pathway improvements made during the local leakage rate testing program. The minimum pathway improvements and calculated as-found UCL leakage rate are listed below.

Minimum Pathway Leakage

Penetration	As-found	As-left
23	334 SCCM	92.3 SCCM
24	43.7	24.3
37	880	687
38	1770	245
40	690	382
72A	9.2	5.9
79	10.6	9.2
80	731	591
83	570	32.4
84	88.7	56.8
SUM	5127.2	2125.9

5. RESULTS (cont)

5.1 Type A Test (cont)

Minimum pathway improvement = 5127.2-2125.9 = 3001.3 SCCM
3001.3 SCCM ~ 3001.3x60x24/28317 SCFD = 152.6 SCFD
152.6 SCFD ~ 152.Gx14.69x144/(53.35x529.67) Lbm/Day = 11.425 Lbm/Day
where 53.35 is the gas constant for air and 529.67 is Tstd.

The containment air mass at the start of the Type A test was 853028.2 Lbm. The minimum pathway leakage rate improvement is 100%x11.425/853028.2=0.0013 wt.%/day and the as-found leakage rate (UCL) is 0.1061 wt.%/day.

5.2 Verification Test

Verification test results are listed in Table 5 and graphed in Figure 10. As indicated by both the table and graph, the calculated leakage rate is in the middle part of the acceptance band. Calculated value, theoretical value and acceptance limit are listed below:

Upper limit rate	0.3150 wt.%/day
Theoretical rate	0.2650 wt.%/day
Total time calculated rate	0.2505 wt.%/day
Lower limit rate	0.2150 wt.%/day

The theoretical rate is the total time calculated rate at the end of the Type A test (0.0846) plus the imposed rate (0.1804). The upper and lower limits are set at 0.05 (=.25 La) above and below the theoretical rate as specified in Ref. 3.

5.3 Mass Point Results

Mass point calculation results are listed for information in Tables 6 and 7. The mass point calculated rate is the slope of the line fitted to the air ass/time data by the method of least squares. Mass point UCL is the upper 95% confidence limit on the slope (considering the slope to be a positive number for a decrease in mass with time--i.e., a positive leakage rate). The calculated mass point leakage rate is 0.0859 wt.%/day which is quite close to the calculated total time rate of 0.0846 wt.%/day. The mass point UCL of 0.0884 is quite close to the calculated rate which is typical for an air mass vs. time relationship which has little data scatter. Figure 5 shows that the scatter is quite small. The calculated verification leakage rate is just below the middle of the acceptance band as is the case for the total time verification leakage rate. The mass point calculational method is discussed in detail in Ref. 5.

6. REFERENCES

1. Code of Federal Regulations, Title 10, Part 50, Appendix J, Reactor Containment Leakage Testing For Water Cooled Power Reactors.

2. ANSI N45.4-1972, Leakage Rate Testing Of Containment Structures For Nuclear Reactors.

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.

4. VEGP Surveillance Procedure 28329-1, Containment Integrated Leak Rate Surveillance Test, Revision 1.

5. ANSI/ANS 56.8-1987, Containment System Leakage Testing Requirements.

TABLES AND FIGURES

TABLE 1

SENSOR LOCATIONS AND VOLUME FRACTIONS

SENSOR (1)	ELEVATION (2)	RADIUS (3)	BEARING	VOLUME FRACTION (4)
TE-01	387 FT	24 FT	135 DEG	.018
TE-02	377 FT	24 FT	225 DEG	.026
TE-03	368 FT	24 FT	315 DEG	.032
TE-04	359 FT	24 FT	45 DEG	.037
TE-05	351 FT	49 FT	180 DEG	.038
TE-06	343 FT	49 FT	280 DEG (8)	.039
TE-07	336 FT	49 FT	0 DEG	.037
TE-08	329 FT	49 FT	90 DEG	.037
TE-09	322 FT	49 FT	180 DEG	.038
TE-10	315 FT	49 FT	280 DEG (8)	.038
TE-11	308 FT	49 FT	0 DEG	.038
TE-12	301 FT	49 FT	90 DEG	.038
TE-13	294 FT	49 FT	180 DEG	.038
TE-14	287 FT	49 FT	280 DEG (8)	.038
TE-15	280 FT	49 FT	0 DEG	.038
TE-16	273 FT	49 FT	90 DEG	.038
TE-17	266 FT	49 FT	180 DEG	.037
TE-18	259 FT	49 FT	280 DEG (8)	.036
TE-19	252 FT	51 FT	15 DEG	.034
TE-20	245 FT	47 FT	90 DEG	.033
TE-21	239.5 FT (5)	51 FT	180 DEG	.033
TE-22	231 FT	49 FT	270 DEG	.033
TE-23	224 FT	60 FT	355 DEG	.036
TE-24	202 FT (6)	12 FT	270 DEG	.017
TE-25	216 FT	58 FT	180 DEG	.022
TE-26	208 FT	56 FT	285 DEG	.029
TE-27	200 FT	59 FT	0 DEG	.029
TE-28	192 FT	63 FT	90 DEG	.029
TE-29	184 FT	60 FT	195 DEG	.029
TE-30	176 FT	62 FT	310 DEG	.035
ME-01	368 FT	24 FT	225 DEG	.151
ME-02	329 FT	49 FT	0 DEG	.284 (7)
ME-03	294 FT	49 FT	90 DEG	(7)
ME-04	259 FT	52 FT	185 DEG	.273 (7)
ME-05	227 FT	60 FT	355 DEG	.119
ME-06	194 FT (5)	59 FT	195 DEG	.173

NOTES:

1. TE-xx identifies an RTD; ME-xx identifies a dewpoint sensor.
2. Reference elevations--fill slab top at 171.75 ft.; springline at 327.75 ft.; dome soffit at 397.75 ft.
3. Containment inside radius = 70 ft.
4. Volume fractions and sensor locations are established in a calculation appended to Ref. 4.
5. Design elevation offset to clear grating and/or structural steel.
6. RTD suspended in refueling cavity.
7. ME-03 output was erratic. Original sensor volume fraction (0.190) reassigned in equal parts to vertically adjacent sensors ME-02 and 04.
8. Bearing changed from the specified 270 Deg. to avoid polar crane grider.

TABLE 2

VOGTLE UNIT 1-1990 ILRT-STABILIZATION

DATA SUMMARY REPORT

data set	time	date	temperature deg F	pressure psia	vapor pressure psia	dry air mass lbm
1	730	329	82.7031	60.5795	0.3061	852440.67
2	745	329	81.7750	60.4819	0.3062	852517.91
3	800	329	81.3845	60.4763	0.3061	853055.58
4	815	329	81.0987	60.4419	0.3079	852992.55
5	830	329	80.7722	60.4069	0.3080	853009.69
6	845	329	80.5052	60.3789	0.3059	853063.98
7	900	329	80.2886	60.3557	0.3057	853079.27
8	915	329	80.1031	60.3361	0.3054	853097.99
9	930	329	79.9499	60.3190	0.3046	853108.56
10	945	329	79.8182	60.3040	0.3048	853101.41
11	1000	329	79.6962	60.2905	0.3045	853106.62
12	1015	329	79.5961	60.2782	0.3048	853084.64
13	1030	329	79.4943	60.2670	0.3049	853085.34
14	1045	329	79.4096	60.2563	0.3047	853070.49
15	1100	329	79.3258	60.2465	0.3041	853071.52
16	1115	329	79.2486	60.2372	0.3053	853043.99
17	1130	329	79.1703	60.2285	0.3051	853048.22
18	1145	329	79.1007	60.2202	0.3052	853038.40
19	1200	329	79.0353	60.2124	0.3054	853028.15

TABLE 3

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST

TOTAL TIME LEAKAGE RATE REPORT

data set	time	date	elapsed time (hrs)	dry air mass (lbm)	measured rate (%/day)	leakage rate (%/day)	ucl rate (%/day)
1	1200	329	0.00	853028.15	0.0000	0.0000	0.0000
2	1215	329	0.25	853015.83	0.1386	0.1386	0.1386
3	1230	329	0.50	853013.68	0.0814	0.0814	0.0814
4	1245	329	0.75	853002.23	0.0972	0.0850	0.3738
5	1300	329	1.00	852989.20	0.1096	0.0960	0.2336
6	1315	329	1.25	852979.02	0.1106	0.1019	0.1939
7	1330	329	1.50	852963.76	0.1208	0.1104	0.1842
8	1345	329	1.75	852963.19	0.1044	0.1078	0.1685
9	1400	329	2.00	852953.26	0.1053	0.1066	0.1586
10	1415	329	2.25	852957.03	0.0889	0.0996	0.1477
11	1430	329	2.50	852929.00	0.1116	0.1026	0.1473
12	1445	329	2.75	852934.38	0.0959	0.0998	0.1410
13	1500	329	3.00	852925.09	0.0967	0.0980	0.1362
14	1515	329	3.25	852924.39	0.0898	0.0949	0.1308
15	1530	329	3.50	852909.90	0.0951	0.0938	0.1276
16	1545	329	3.75	852908.16	0.0900	0.0918	0.1238
17	1600	329	4.00	852897.95	0.0916	0.0906	0.1211
18	1615	329	4.25	852873.50	0.1024	0.0919	0.1220
19	1630	329	4.50	852870.18	0.0988	0.0924	0.1214
20	1645	329	4.75	852866.13	0.0960	0.0922	0.1203
21	1700	329	5.00	852861.91	0.0935	0.0916	0.1187
22	1715	329	5.25	852859.32	0.0905	0.0906	0.1168
23	1730	329	5.50	852844.64	0.0939	0.0903	0.1158
24	1745	329	5.75	852839.50	0.0923	0.0899	0.1146
25	1800	329	6.00	852840.87	0.0878	0.0888	0.1128
26	1815	329	6.25	852836.57	0.0862	0.0876	0.1110
27	1830	329	6.50	852817.47	0.0912	0.0874	0.1102
28	1845	329	6.75	852815.50	0.0886	0.0868	0.1091
29	1900	329	7.00	852811.26	0.0872	0.0861	0.1079
30	1915	329	7.25	852791.76	0.0917	0.0861	0.1075
31	1930	329	7.50	852789.18	0.0896	0.0858	0.1069
32	1945	329	7.75	852793.56	0.0852	0.0850	0.1057
33	2000	329	8.00	852781.11	0.0869	0.0846	0.1048

Allowable leakage rate, La	=	0.2000 %/day
75% La	=	0.1500 %/day
Total time leakage rate	=	0.0846 %/day
Total time UCL	=	0.1048 %/day

TABLE 4

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST

DATA SUMMARY REPORT

data set	time	date	temperature deg F	pressure psia	vapor pressure psia	dry air mass lbm
1	1200	329	79.0353	60.2124	0.3054	853028.15
2	1215	329	78.9722	60.2050	0.3059	853015.83
3	1230	329	78.9123	60.1979	0.3056	853013.68
4	1245	329	78.8576	60.1912	0.3058	853002.23
5	1300	329	78.8056	60.1849	0.3061	852989.20
6	1315	329	78.7544	60.1786	0.3063	852979.02
7	1330	329	78.7080	60.1726	0.3065	852963.76
8	1345	329	78.6607	60.1669	0.3061	852963.19
9	1400	329	78.6146	60.1614	0.3064	852953.26
10	1415	329	78.5631	60.1561	0.3066	852957.03
11	1430	329	78.5266	60.1507	0.3072	852929.00
12	1445	329	78.4828	60.1456	0.3066	852934.38
13	1500	329	78.4406	60.1406	0.3069	852925.09
14	1515	329	78.3963	60.1358	0.3071	852924.39
15	1530	329	78.3655	60.1318	0.3076	852909.90
16	1545	329	78.3349	60.1279	0.3072	852908.16
17	1600	329	78.3065	60.1246	0.3078	852897.95
18	1615	329	78.2632	60.1182	0.3079	852873.50
19	1630	329	78.2193	60.1134	0.3082	852870.18
20	1645	329	78.1811	60.1090	0.3083	852866.13
21	1700	329	78.1462	60.1046	0.3081	852861.91
22	1715	329	78.1090	60.1006	0.3084	852859.32
23	1730	329	78.0776	60.0965	0.3088	852844.64
24	1745	329	78.0466	60.0925	0.3087	852839.50
25	1800	329	78.0082	60.0887	0.3090	852840.87
26	1815	329	77.9759	60.0847	0.3089	852836.57
27	1830	329	77.9530	60.0811	0.3092	852817.47
28	1845	329	77.9219	60.0773	0.3090	852815.50
29	1900	329	77.8894	60.0737	0.3093	852811.26
30	1915	329	77.8652	60.0701	0.3098	852791.76
31	1930	329	77.8333	60.0666	0.3100	852789.18
32	1945	329	77.8018	60.0632	0.3098	852793.56
33	2000	329	77.7767	60.0598	0.3100	852781.11

TABLE 5

VOGTLE UNIT 1--1990 ILRT-VERIFICATION
TOTAL TIME LEAKAGE RATE REPORT

VERIFICATION

data set	time	date	elapsed time (hrs)	dry air mass (lbm)	measured rate (%/day)	leakage rate (%/day)
1	2115	329	0.00	852662.68	0.0000	0.0000
2	2130	329	0.25	852635.27	0.3087	0.3087
3	2145	329	0.50	852610.15	0.2957	0.2957
4	2200	329	0.75	852586.19	0.2871	0.2864
5	2215	329	1.00	852559.45	0.2906	0.2861
6	2230	329	1.25	852537.65	0.2816	0.2808
7	2245	329	1.50	852522.57	0.2629	0.2686
8	2300	329	1.75	852492.07	0.2744	0.2672
9	2315	329	2.00	852481.39	0.2551	0.2586
10	2330	329	2.25	852457.61	0.2565	0.2536
11	2345	329	2.50	852428.04	0.2642	0.2531
12	0	330	2.75	852403.82	0.2650	0.2532
13	15	330	3.00	852380.98	0.2643	0.2531
14	30	330	3.25	852365.36	0.2575	0.2514
15	45	330	3.50	852338.64	0.2606	0.2509
16	100	330	3.75	852318.43	0.2584	0.2502
17	115	330	4.00	852289.77	0.2624	0.2505

Upper limit on leakage rate = 0.3150 %/day
Total time leakage rate = 0.2505 %/day
Lower limit on leakage rate = 0.2150 %/day

TABLE 6

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST

MASS POINT LEAKAGE RATE REPORT

data set	time	date	elapsed time (hrs)	dry air mass (lbm)	leakage rate (%/day)	ucl rate (%/day)
1	1200	329	0.00	853028.15	0.0000	0.0000
2	1215	329	0.25	853015.83	0.1386	0.1386
3	1230	329	0.50	853013.68	0.0814	0.3641
4	1245	329	0.75	853002.23	0.0899	0.1357
5	1300	329	1.00	852989.20	0.1029	0.1306
6	1315	329	1.25	852979.02	0.1083	0.1260
7	1330	329	1.50	852963.76	0.1171	0.1326
8	1345	329	1.75	852963.19	0.1115	0.1243
9	1400	329	2.00	852953.26	0.1089	0.1190
10	1415	329	2.25	852957.03	0.0993	0.1123
11	1430	329	2.50	852929.00	0.1039	0.1154
12	1445	329	2.75	852934.38	0.1002	0.1105
13	1500	329	3.00	852925.09	0.0982	0.1070
14	1515	329	3.25	852924.39	0.0943	0.1028
15	1530	329	3.50	852909.90	0.0935	0.1008
16	1545	329	3.75	852908.16	0.0913	0.0981
17	1600	329	4.00	852897.95	0.0903	0.0963
18	1615	329	4.25	852873.50	0.0928	0.0987
19	1630	329	4.50	852870.18	0.0937	0.0991
20	1645	329	4.75	852866.13	0.0937	0.0985
21	1700	329	5.00	852861.91	0.0931	0.0975
22	1715	329	5.25	852859.32	0.0919	0.0961
23	1730	329	5.50	852844.64	0.0918	0.0956
24	1745	329	5.75	852839.50	0.0913	0.0948
25	1800	329	6.00	852840.87	0.0900	0.0935
26	1815	329	6.25	852836.57	0.0886	0.0921
27	1830	329	6.50	852817.47	0.0885	0.0917
28	1845	329	6.75	852815.50	0.0879	0.0910
29	1900	329	7.00	852811.26	0.0872	0.0901
30	1915	329	7.25	852791.76	0.0874	0.0902
31	1930	329	7.50	852789.18	0.0873	0.0898
32	1945	329	7.75	852793.56	0.0864	0.0889
33	2000	329	8.00	852781.11	0.0859	0.0884

Allowable leakage rate, La	=	0.2000 %/day
75% La	=	0.1500 %/day
Mass point leakage rate	=	0.0859 %/day
Mass point UCL	=	0.0884 %/day

TABLE 7

VOGTLE UNIT 1-1990 ILRT-VERIFICATION
MASS POINT LEAKAGE RATE REPORT

VERIFICATION

data set	time	date	elapsed time (hrs)	dry air mass (lbm)	leakage rate (%/day)
1	2115	329	0.00	852662.68	0.0000
2	2130	329	0.25	852635.27	0.3087
3	2145	329	0.50	852610.15	0.2957
4	2200	329	0.75	852586.19	0.2866
5	2215	329	1.00	852559.45	0.2877
6	2230	329	1.25	852537.65	0.2820
7	2245	329	1.50	852522.57	0.2679
8	2300	329	1.75	852492.07	0.2683
9	2315	329	2.00	852481.39	0.2587
10	2330	329	2.25	852457.61	0.2542
11	2345	329	2.50	852428.04	0.2554
12	0	330	2.75	852403.82	0.2567
13	15	330	3.00	852380.98	0.2576
14	30	330	3.25	852365.36	0.2557
15	45	330	3.50	852338.64	0.2557
16	100	330	3.75	852318.43	0.2550
17	115	330	4.00	852289.77	0.2559

Upper limit on leakage rate = 0.3163 %/day
Mass point leakage rate = 0.2559 %/day
Lower limit on leakage rate = 0.2163 %/day

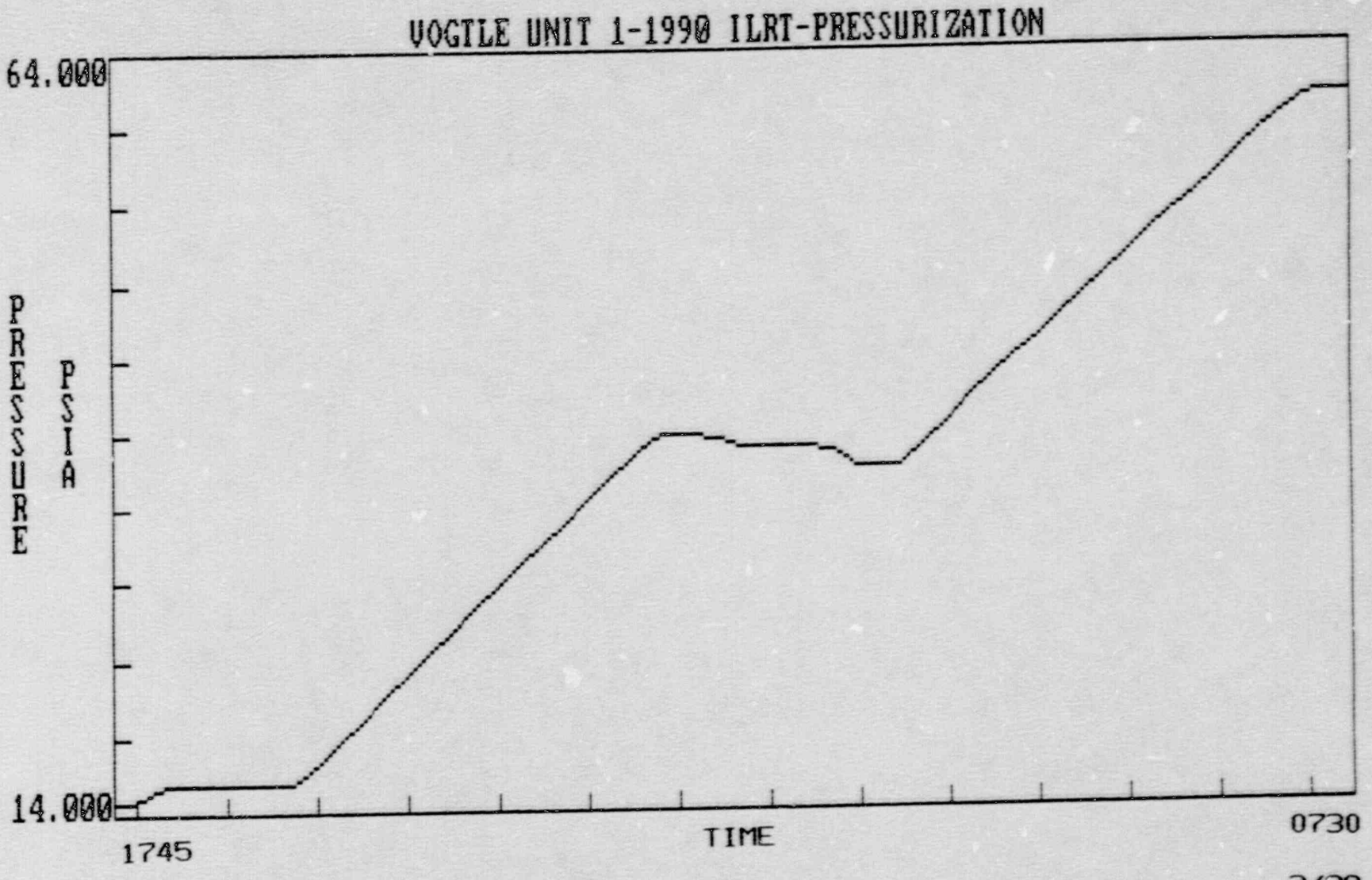


FIGURE 1

ABSOLUTE PRESSURE vs. TIME

PRESSURIZATION

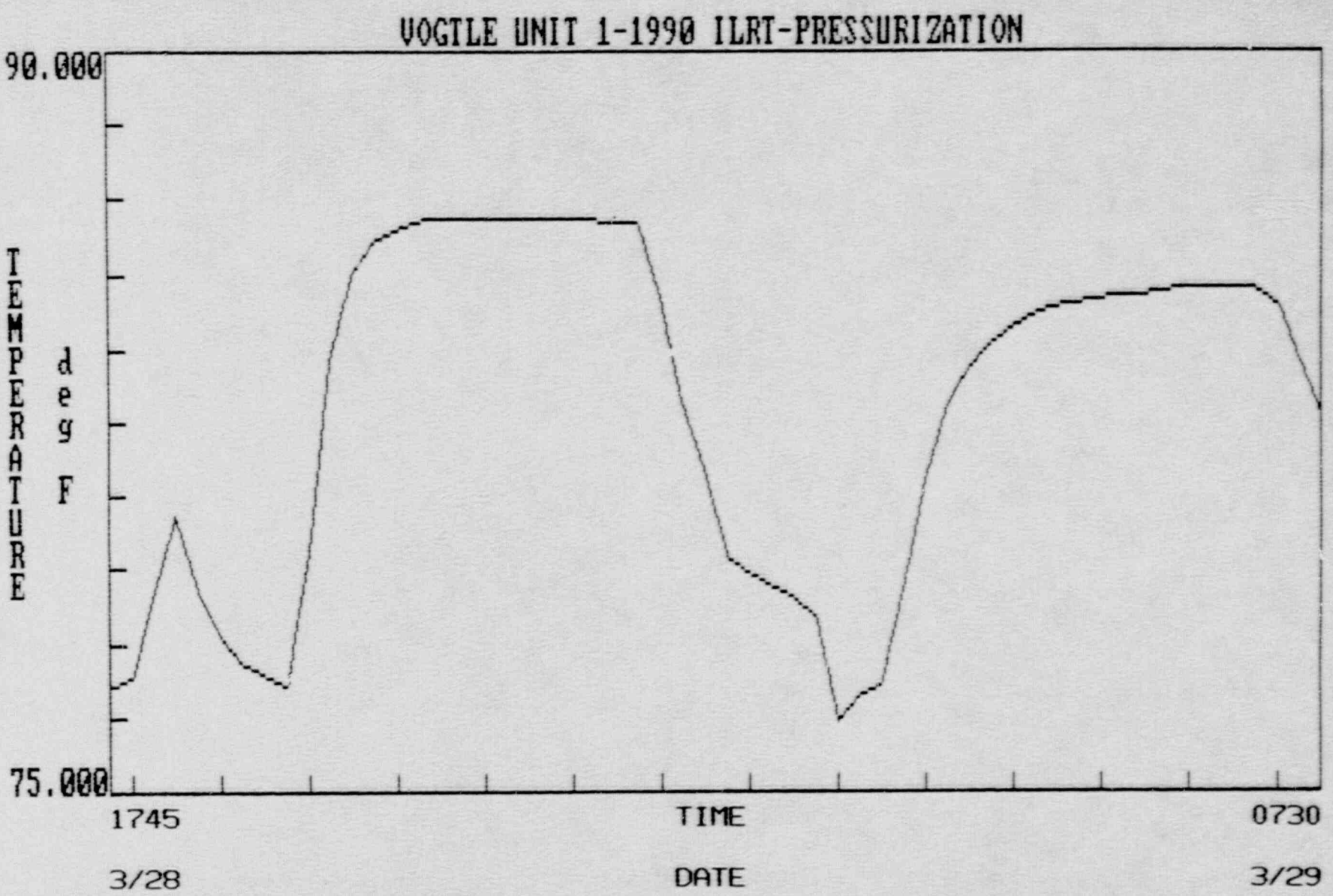


FIGURE 2

MEAN TEMPERATURE vs. TIME

PRESSURIZATION

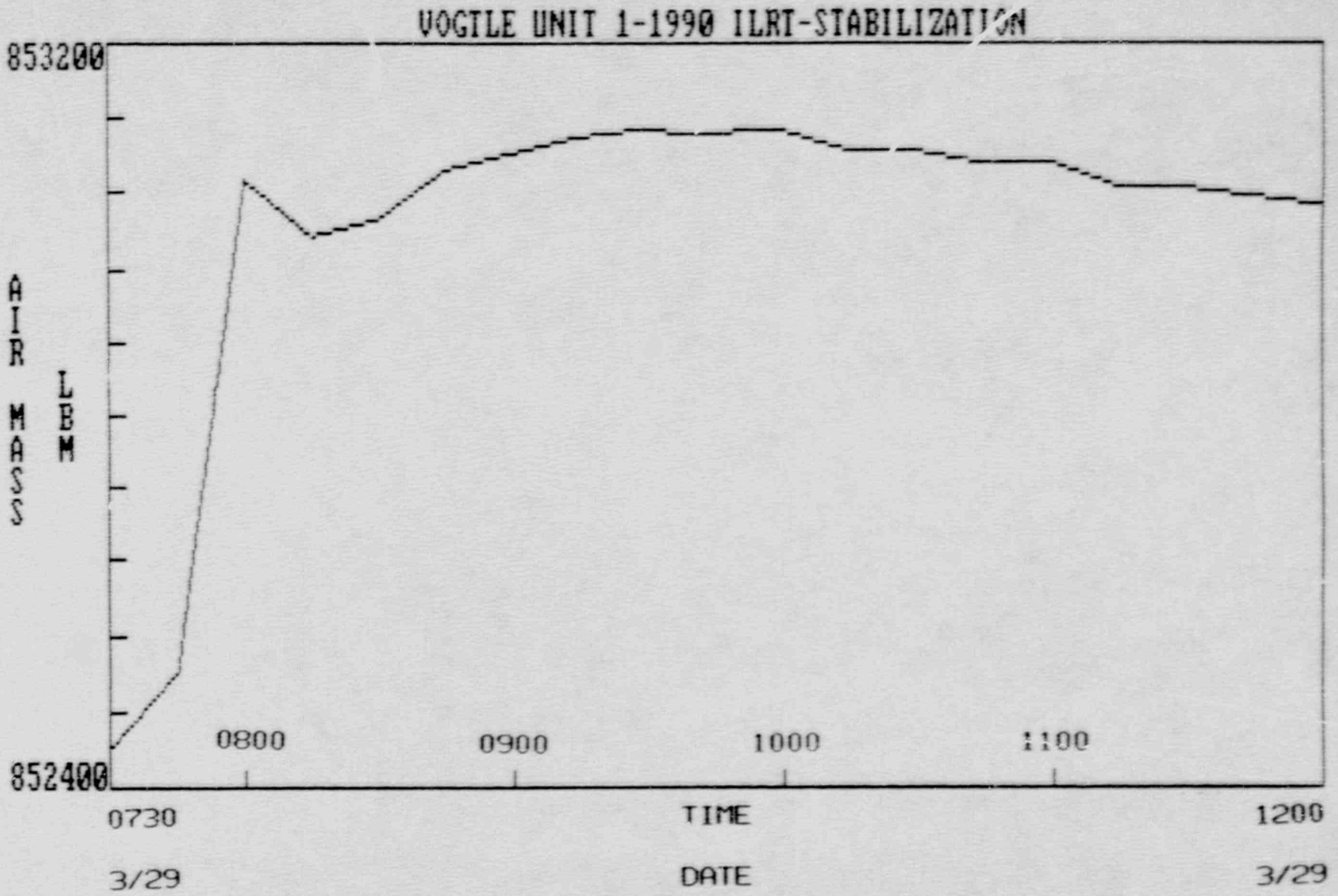


FIGURE 3

AIR MASS vs. TIME

STABILIZATION

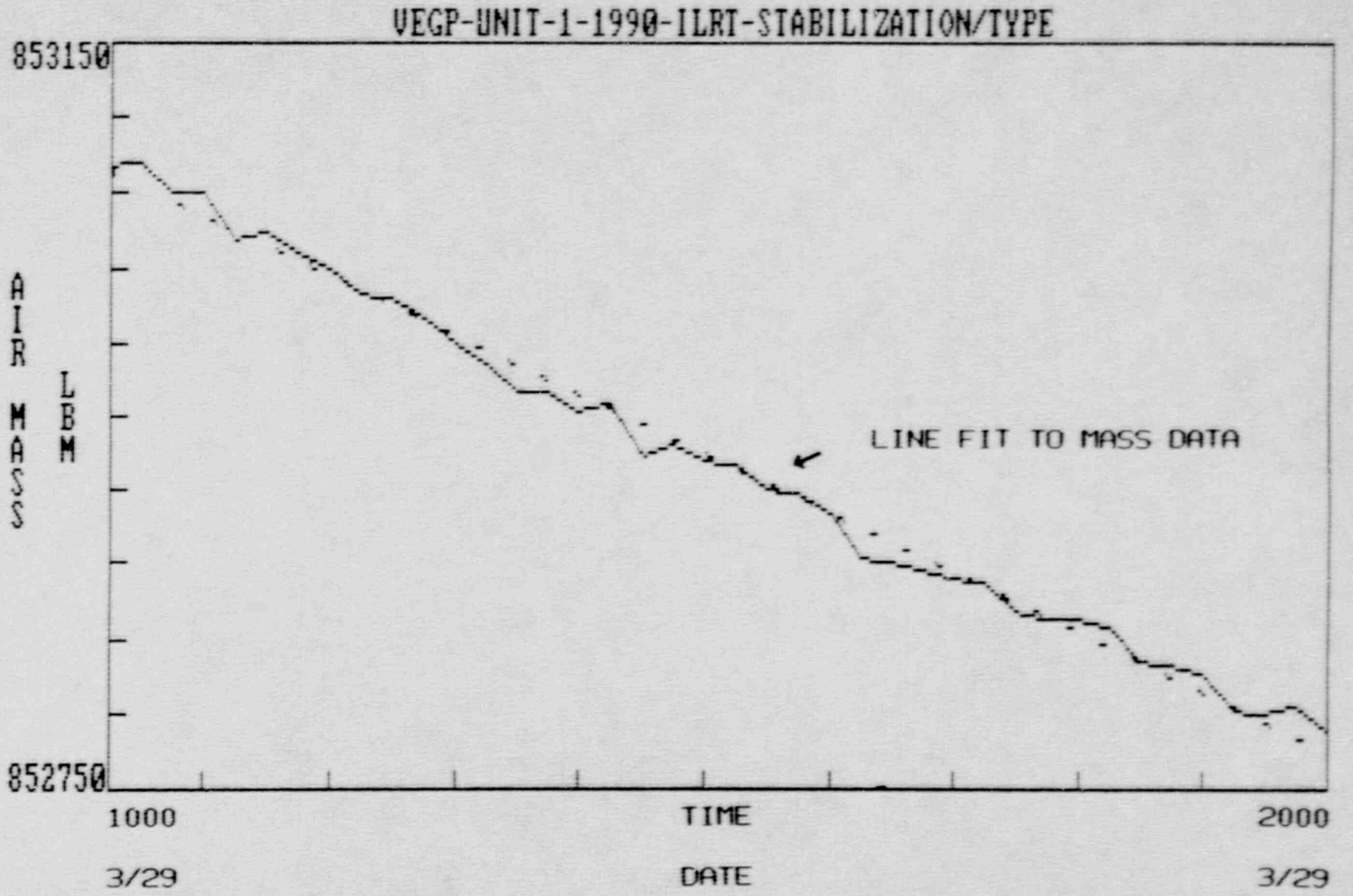


FIGURE 3a

AIR MASS vs. TIME

STABILIZATION/TYPE A TEST

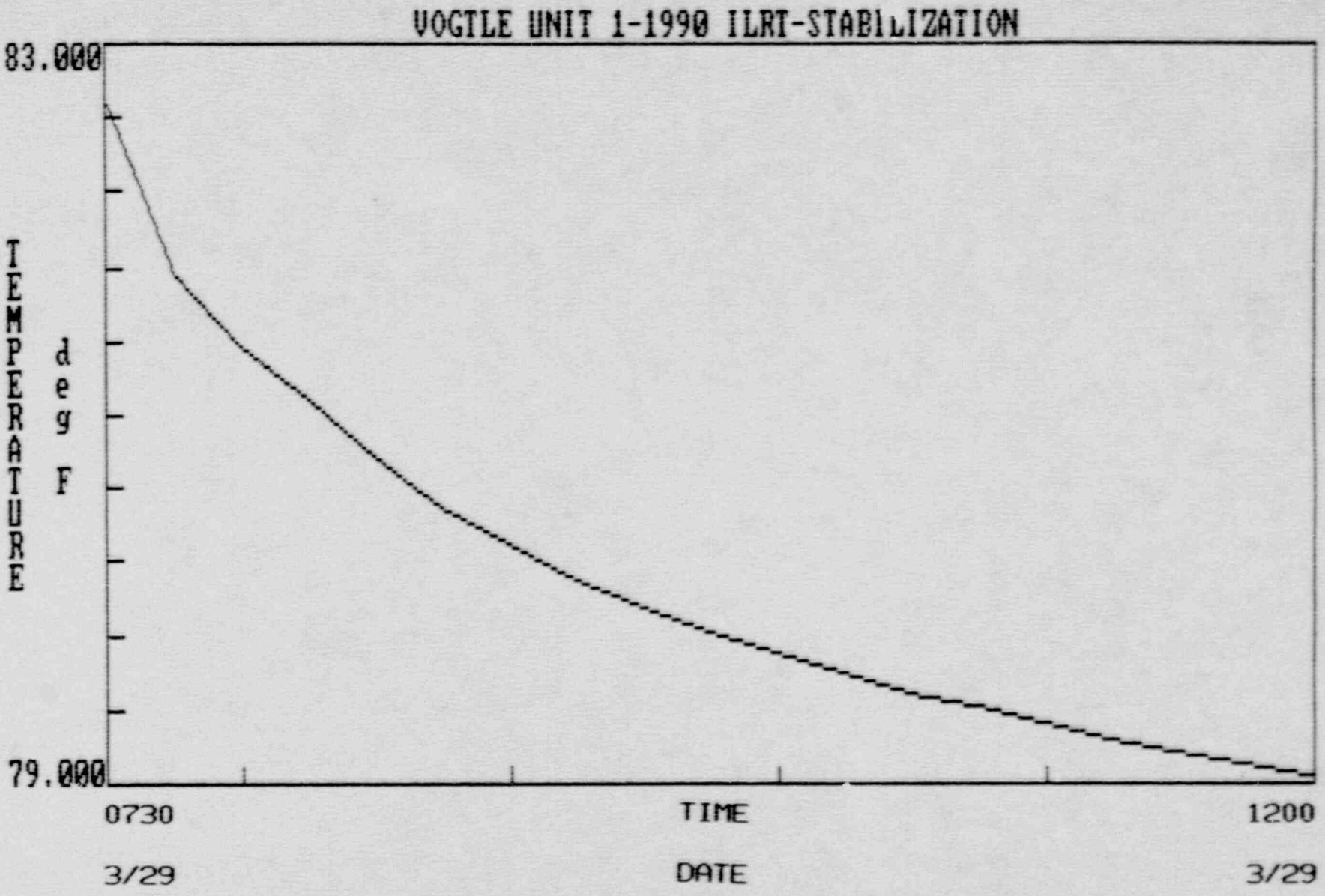


FIGURE 4

MEAN TEMPERATURE vs. TIME

STABILIZATION

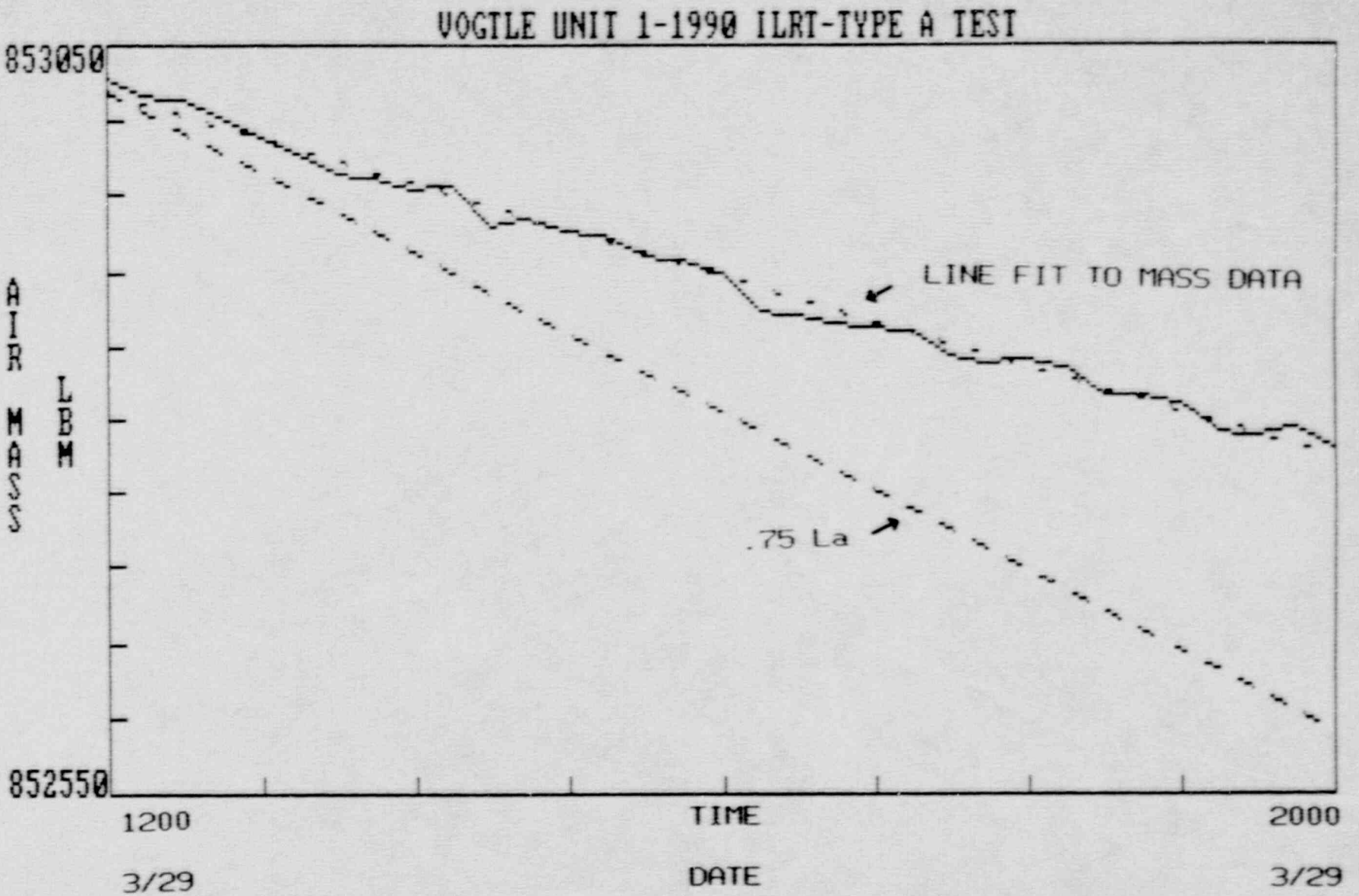


FIGURE 5

AIR MASS vs. TIME

TYPE A TEST

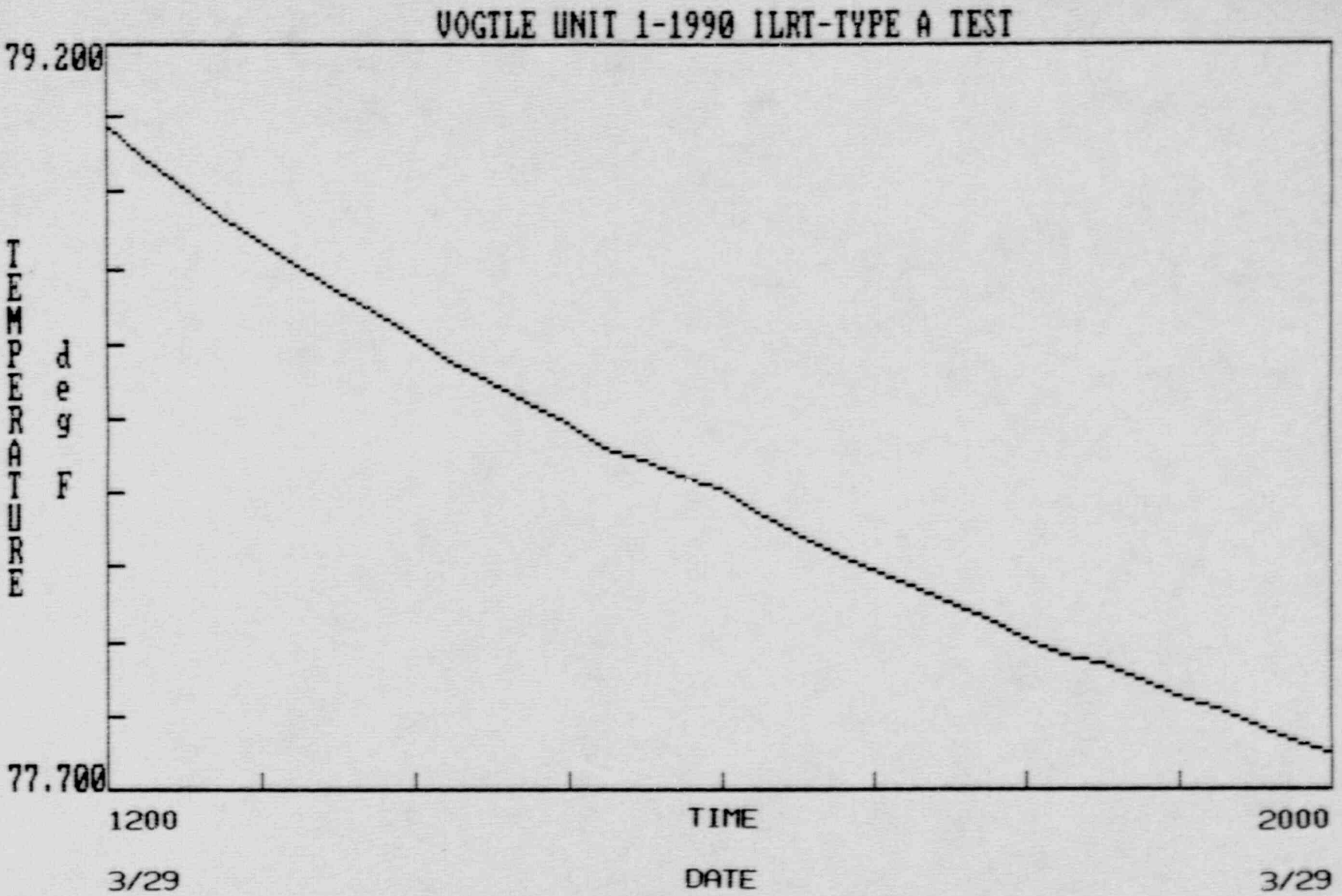


FIGURE 6

MEAN TEMPERATURE vs. TIME

TYPE A TEST

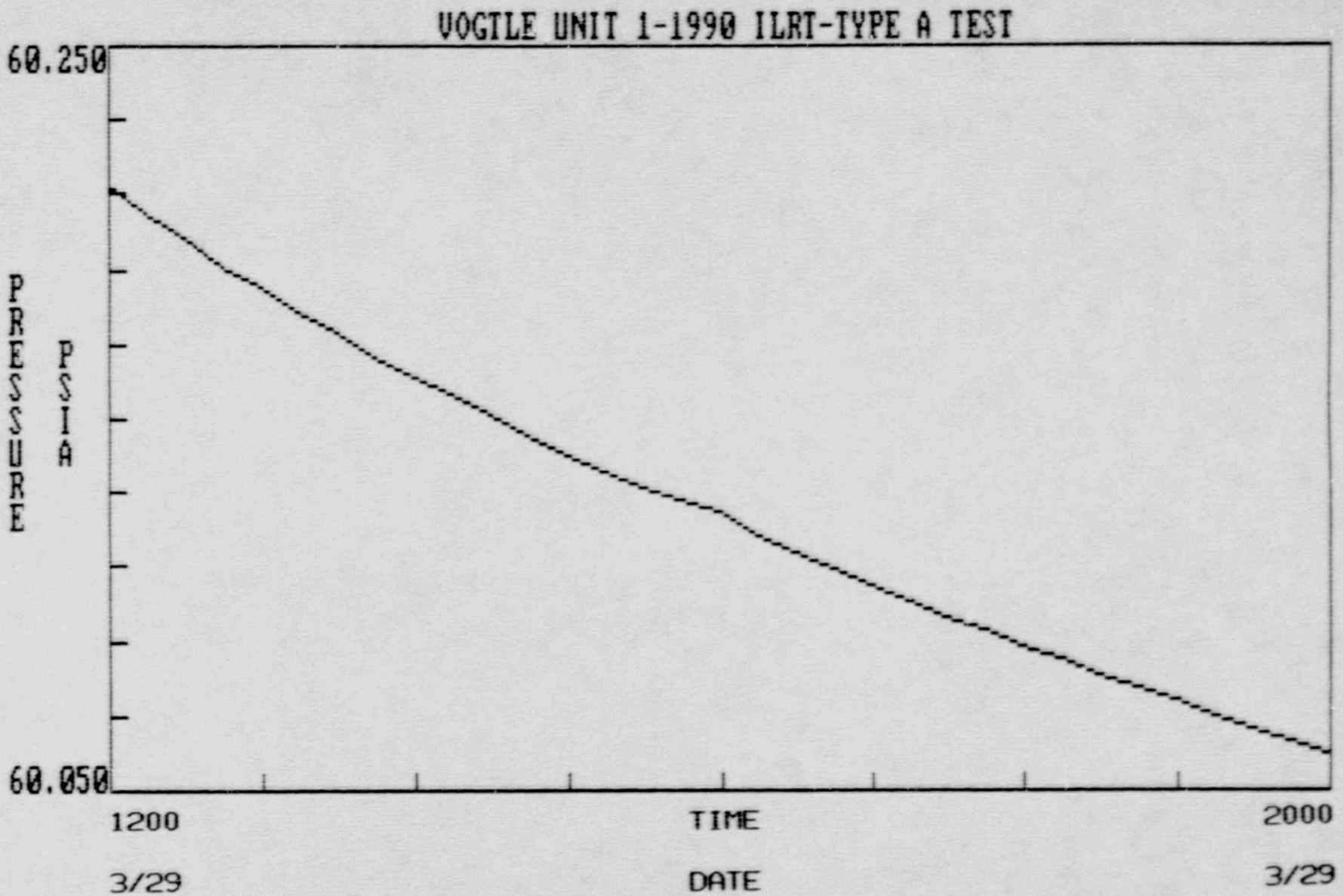


FIGURE 7

ABSOLUTE PRESSURE vs. TIME

TYPE A TEST

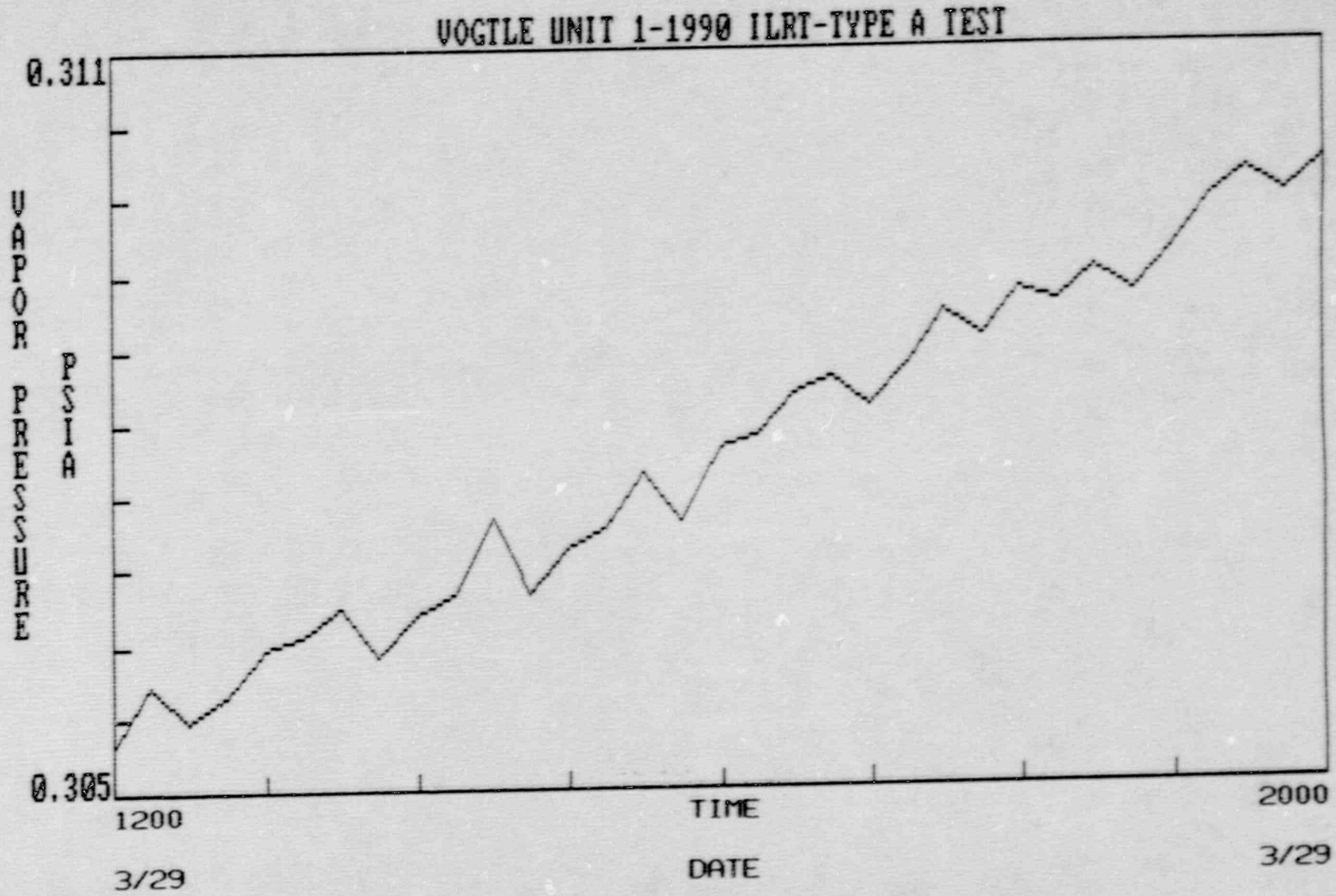


FIGURE 8

MEAN VAPOR PRESSURE vs. TIME

TYPE A TEST

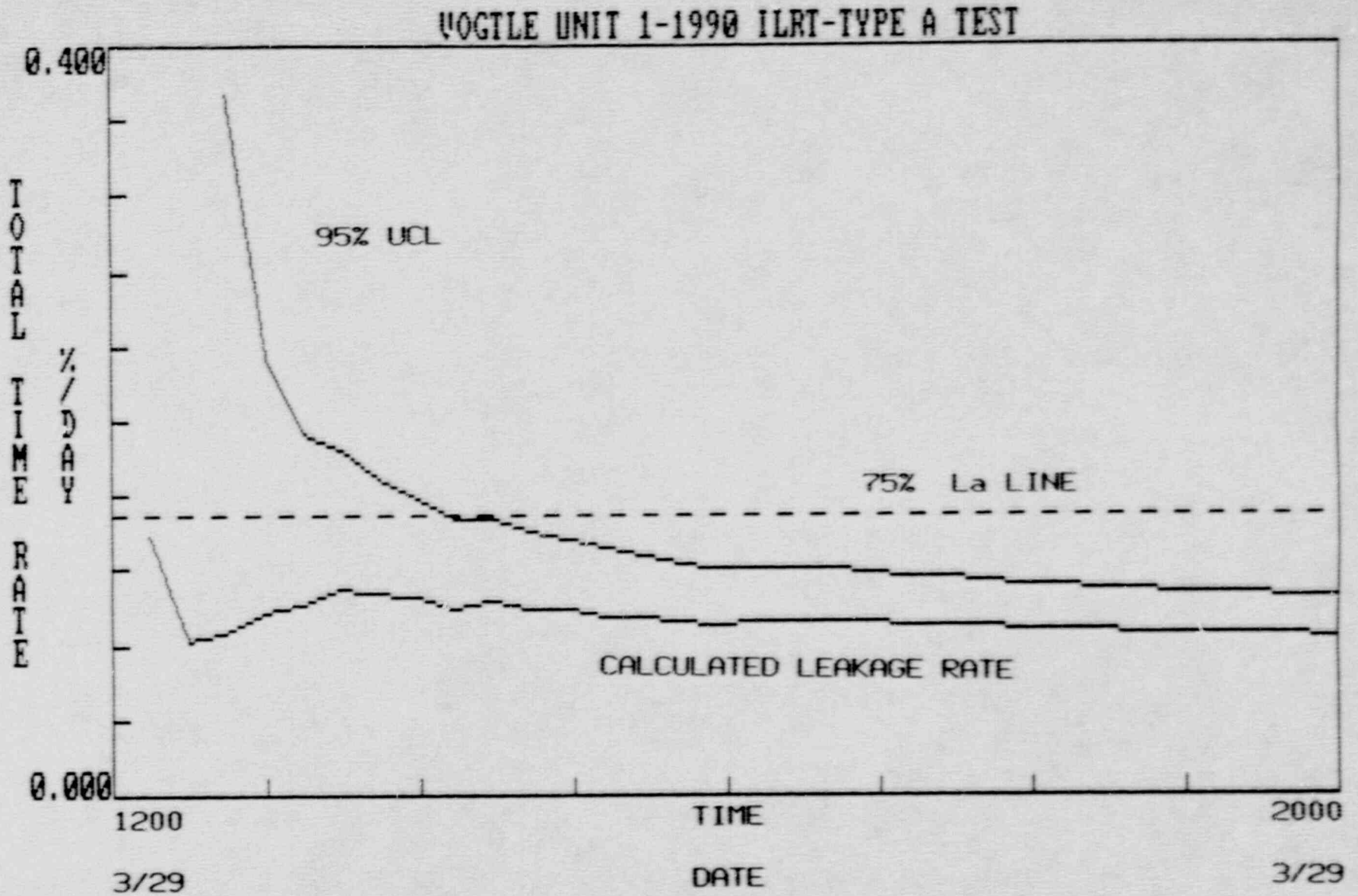


FIGURE 9

CHANGE IN CALCULATED LEAKAGE RATE

WITH INCREASING TEST DURATION

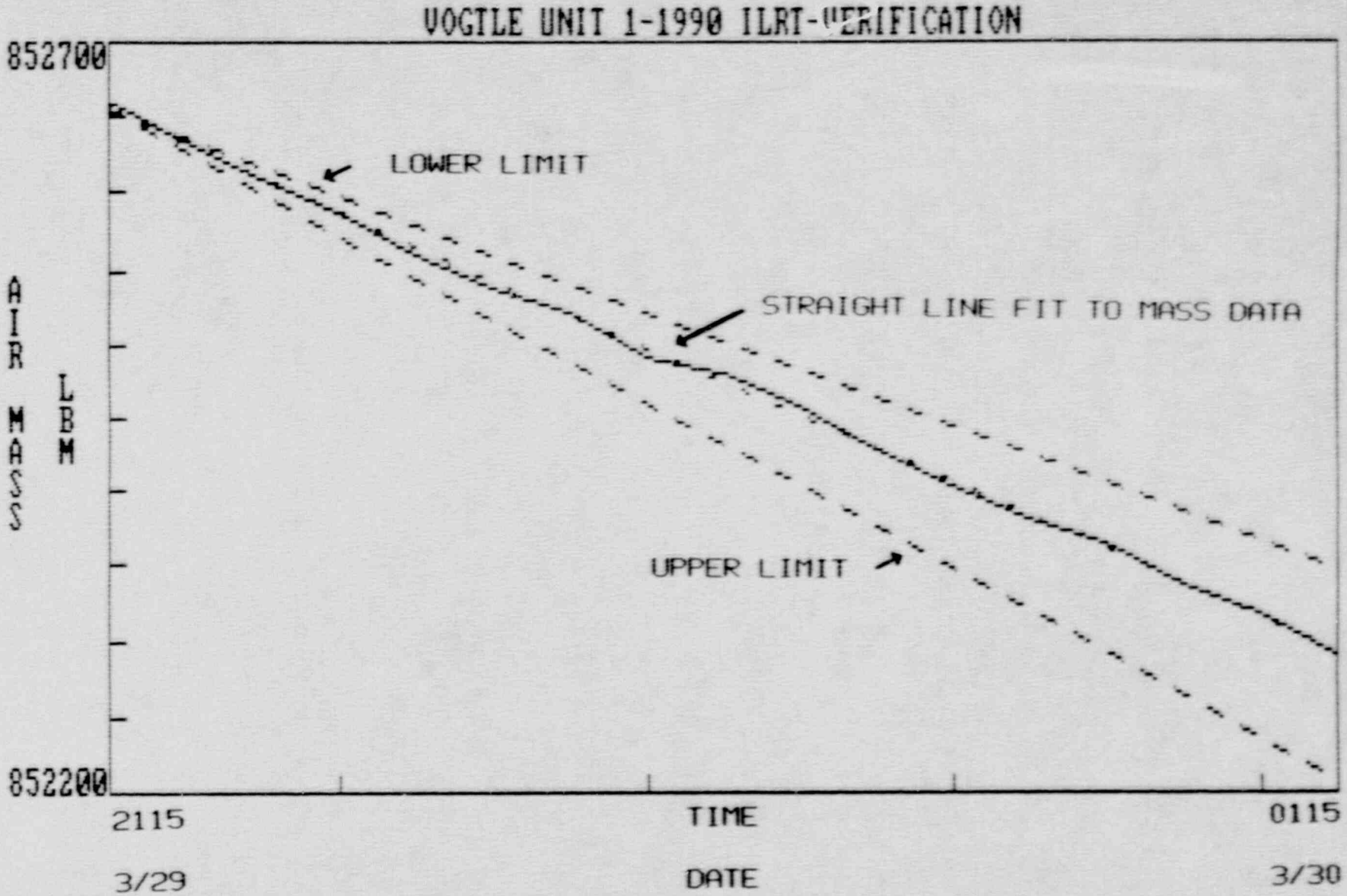


FIGURE 10

AIR MASS vs. TIME

VERIFICATION

APPENDIX I

CONTAINMENT DESCRIPTION

APPENDIX I

CONTAINMENT DESCRIPTION

The Vogtle Unit 1 containment (one of 2 essentially identical structures) consists of a posttensioned concrete cylinder, a posttensioned concrete dome and a conventionally reinforced flat base mat. The entire interior surface of the containment is covered by a continuous carbon steel plate which serves as a leaktight membrane. The plate over the base mat is covered by a layer of fill concrete which serves as a protective shield as well as a foundation for equipment. The height of the cylinder from the top of the fill concrete to the springline is 156 ft. The inside radius of the cylinder (and dome) is 70 ft. The interior of the containment is divided into two rather distinct zones by the refueling floor, the top of which is just over 48 ft. above the fill concrete surface. Most of the zone above the refueling floor is open space. Below the refueling floor there are: an outer annular space which contains a considerable quantity of piping, equipment, shielded rooms and grating; the refueling cavity which is open to the upper zone; two steam generator/reactor coolant pump compartments which are connected to the outer annulus by openings at the fill slab level and open to the upper zone at the tops of the secondary shield walls; a small open area below a portion of the refueling cavity; and, the reactor cavity and incore instrumentation chase which are below the fill concrete level in the thickened central portion of the base mat.

There are numerous penetrations through the cylinder wall which provide access for equipment and personnel as well as piping and electrical conductor feedthrough. The equipment opening is sealed by a dished steel head which mounts on a flange inside the containment. The personnel air locks are sealed by inner and outer doors which are hinged to open inward. Electrical feedthroughs are sealed by compression type fittings and flanged connections. The piping penetrations are sealed by inner and outer isolation valves. The equipment opening, primary personnel air lock and purge penetrations are above the refueling floor. All other penetrations are below the refueling floor.

The containment has a free air volume of about 2,850,000 cubic feet. The value calculated during the volume fraction computation is 2,841,900 cubic feet. This value includes some 50,000 cubic feet in allowances for items with volumes not specifically determined.

APPENDIX II

ILRT COMPUTER PROGRAM DESCRIPTION

APPENDIX II

ILRT COMPUTER PROGRAM DESCRIPTION

The BCP ILRT computer program is a structured Basic program which calculates both BN-TOP-1 (total time) and ANSI 56.8 (mass point) leakage rates. The program accepts both keyboard and serial link data input (serial link input is in response to an interrupt in the program and requires no user action, pre-data such as volume fractions, allowable leakage rate, etc., must be input manually via the keyboard). Data is written to random access files. When a program run is initiated, the user is queried for file information. If a new file is specified, screen prompts request pre-data. If an existing file is specified, the program calculates mean temperatures, mean vapor pressures and air masses and stores these in memory (not in the file). These quantities are recalculated whenever pre-data is changed. Once the file information request is satisfied, the primary menu is displayed on the screen. Subsequent program functions are in response to menu selections. Menu choices allow the following:

- Manual data entry
- Data set correction
- Pre-data set correction
- Data set insertion out of sequence (e.g., inputting the 3:15 data after the 3:00 and 3:30 data have been entered)
- Mass point report
- Total time report
- Trend (combined mass/total) report
- Listing of summary data
- Data rejection test (per ANSI 56.8)
- Change start and end time for reports/plots
- Delete a data set from calculations
- Restore a deleted data set
- Enter/exit verification test mode
- Branch to plot menu
- Exit to system level

The plot menu allows plotting:

- Air mass
- Total time leakage rate
- Mass point leakage rate
- Individual or average temperature
- Individual or average pressure
- Individual dewpoint temperature or average vapor pressure
- Overlay plots (all temperatures, airmass and mean temperature, etc.)

Whenever pre-data or data is entered, the screen displays the data and asks the user if the data is correct. If not, the user can correct any data entry. When the user notes that the data is correct, it is written to the data file.

Leakage rate calculations are done in double precision since the regression line constants usually depend on the small difference of large numbers. Computer calculations were manually verified using a data file titled "Check". Check is always run following any program modification.

Various subroutines are modified to suit conditions unique to a particular test. The routine which puts the initial display on the screen is modified to show job title and program revision date. The serial link routine is modified to accommodate the data system output format. The pressure transducer calibration table is changed to incorporate job specific calibration data. The generic program is written for dewpoint temperature inputs which are converted to vapor pressures using the ASME Steam Tables Polynomial. Several routines require modification if relative humidities or wet bulb temperatures are input instead of dewpoint temperatures.

BN-TOP-1 uses a very conservative procedure to calculate total time upper confidence limit. The program calculates the more realistic 95% UCL on the end of test total time calculated leakage rate if the test duration is twenty-four (24) hours or more. Otherwise, it uses the BN-TOP-1 formulation to determine the 97.5% UCL on end of test measured leakage rate.

References:

1. Bechtel Topical Report BN-TOP-1, Testing Criteria For Integrated Leakage Rate Testing Of Primary Containment Structures For Nuclear Power Plants, Revision 1, 1972.

2. ANSI/ANS 56.8-1987, Containment System Leakage Testing Requirements.

APPENDIX III

TEST DATA

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

DATA SUMMARY REPORT

data set	time	date	temperature deg F	pressure psia	vapor pressure psia	dry air mass lbm
1	1745	328	77.0663	14.7602	0.2307	207647.29
2	1800	328	77.3275	14.8392	0.2315	208662.84
3	1815	328	78.9881	15.5361	0.2279	217995.31
4	1830	328	80.5704	15.9511	0.2360	223135.25
5	1845	328	79.0159	15.9050	0.2357	223125.84
6	1900	328	78.1341	15.8838	0.2366	223177.54
7	1915	328	77.6426	15.8724	0.2366	223218.95
8	1930	328	77.3570	15.8657	0.2366	223241.61
9	1945	328	77.1699	15.8613	0.2360	223264.87
10	2000	328	79.9040	16.9171	0.2300	237228.04
11	2015	328	83.7806	18.4433	0.2346	257013.98
12	2030	328	85.4569	19.9060	0.2387	276747.03
13	2045	328	86.0888	21.3513	0.2411	296706.84
14	2100	328	86.3694	22.7835	0.2486	316569.20
15	2115	328	86.5322	24.2115	0.2528	336470.74
16	2130	328	86.5950	25.6399	0.2543	356468.65
17	2145	328	86.6222	27.0647	0.2577	376408.34
18	2200	328	86.6198	28.4889	0.2625	396341.71
19	2215	328	86.6274	29.9143	0.2636	416334.20
20	2230	328	86.6544	31.3413	0.2674	436296.13
21	2245	328	86.6319	32.7734	0.2692	456398.58
22	2300	328	86.6368	34.2001	0.2742	476355.46
23	2315	328	86.5940	35.6218	0.2783	496298.79
24	2330	328	86.5505	37.0430	0.2824	516240.31
25	2345	328	86.5230	38.4628	0.2832	536193.92
26	0	329	84.9677	38.7540	0.2824	541838.16
27	15	329	82.9528	38.6228	0.2822	541998.76
28	30	329	81.5353	38.3304	0.2838	539250.08
29	45	329	79.7739	37.8649	0.2799	534448.10
30	100	329	79.4378	37.8442	0.2795	534492.07
31	115	329	79.1817	37.8223	0.2799	534429.09
32	130	329	78.9344	37.8018	0.2800	534380.41
33	145	329	78.5234	37.5172	0.2785	530752.98
34	200	329	76.4120	36.5761	0.2727	519461.55
35	215	329	76.8628	36.6289	0.2723	519785.44
36	230	329	77.1477	36.6462	0.2718	519763.51
37	245	329	79.1452	37.9050	0.2770	535682.79
38	300	329	81.3825	39.3856	0.2768	554462.18
39	315	329	82.7173	40.7990	0.2779	573071.29
40	330	329	83.5348	42.1875	0.2826	591749.50
41	345	329	84.0410	43.5514	0.2919	610309.63
42	400	329	84.3733	44.9007	0.2910	628974.52
43	415	329	84.6060	46.2449	0.2929	647622.58
44	430	329	84.7835	47.5887	0.2978	666274.62
45	445	329	84.8996	48.9135	0.2998	684766.06
46	500	329	84.9873	50.2466	0.3020	703398.94
47	515	329	85.0545	51.5680	0.2977	721981.18
48	530	329	85.0906	52.8811	0.3090	740264.01
49	545	329	85.1401	54.1955	0.3092	758699.50
50	600	329	85.1833	55.5094	0.3020	777239.15
51	615	329	85.2037	56.8196	0.3152	795469.00
52	630	329	85.2224	58.1307	0.3154	813895.81

53	645	329	85.2598	59.4394	0.3204	832191.76
54	700	329	84.8849	60.3301	0.3206	845308.68
55	715	329	83.8345	60.6545	0.3194	851537.41
56	730	329	82.7031	60.5795	0.3228	852205.24

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 1

time = 1745 date = 328

sensor	raw data	value
temperature 1	(81.860)	= 81.860 deg. F
temperature 2	(81.440)	= 81.440 deg. F
temperature 3	(80.880)	= 80.880 deg. F
temperature 4	(81.130)	= 81.130 deg. F
temperature 5	(81.160)	= 81.160 deg. F
temperature 6	(80.500)	= 80.500 deg. F
temperature 7	(79.940)	= 79.940 deg. F
temperature 8	(79.630)	= 79.630 deg. F
temperature 9	(78.670)	= 78.670 deg. F
temperature 10	(77.340)	= 77.340 deg. F
temperature 11	(77.150)	= 77.150 deg. F
temperature 12	(76.920)	= 76.920 deg. F
temperature 13	(77.000)	= 77.000 deg. F
temperature 14	(76.680)	= 76.680 deg. F
temperature 15	(76.410)	= 76.410 deg. F
temperature 16	(76.730)	= 76.730 deg. F
temperature 17	(76.230)	= 76.230 deg. F
temperature 18	(75.650)	= 75.650 deg. F
temperature 19	(76.000)	= 76.000 deg. F
temperature 20	(74.900)	= 74.900 deg. F
temperature 21	(73.960)	= 73.960 deg. F
temperature 22	(74.020)	= 74.020 deg. F
temperature 23	(75.300)	= 75.300 deg. F
temperature 24	(73.890)	= 73.890 deg. F
temperature 25	(75.530)	= 75.530 deg. F
temperature 26	(74.600)	= 74.600 deg. F
temperature 27	(75.300)	= 75.300 deg. F
temperature 28	(73.270)	= 73.270 deg. F
temperature 29	(74.360)	= 74.360 deg. F
temperature 30	(73.590)	= 73.590 deg. F
dewpoint 1	(56.410)	= 56.410 deg. F , 0.2251 psia
dewpoint 2	(56.870)	= 56.870 deg. F , 0.2289 psia
dewpoint 3	(57.270)	= 57.270 deg. F , 0.2322 psia
dewpoint 4	(57.270)	= 57.270 deg. F , 0.2322 psia
dewpoint 5	(57.760)	= 57.760 deg. F , 0.2364 psia
dewpoint 6	(57.040)	= 57.040 deg. F , 0.2303 psia
pressure 1	(14.76020)	= 14.7602 psia
pressure 2	(14.75740)	= 14.7574 psia

weighted averages, volume and air mass

temperature	=	77.06633 deg. F
pressure	=	14.76020 psia
vapor pressure	=	0.23071 psia
volume	=	2841900 cu. ft.
dry air mass	=	207647.29 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 2

time = 1800 date = 328

sensor		raw data		value
temperature	1	(82.320)	=	82.320 deg. F
temperature	2	(81.850)	=	81.850 deg. F
temperature	3	(81.150)	=	81.150 deg. F
temperature	4	(81.500)	=	81.500 deg. F
temperature	5	(81.560)	=	81.560 deg. F
temperature	6	(80.780)	=	80.780 deg. F
temperature	7	(80.310)	=	80.310 deg. F
temperature	8	(79.880)	=	79.880 deg. F
temperature	9	(78.920)	=	78.920 deg. F
temperature	10	(77.680)	=	77.680 deg. F
temperature	11	(77.550)	=	77.550 deg. F
temperature	12	(77.400)	=	77.400 deg. F
temperature	13	(77.350)	=	77.350 deg. F
temperature	14	(77.120)	=	77.120 deg. F
temperature	15	(76.810)	=	76.810 deg. F
temperature	16	(77.010)	=	77.010 deg. F
temperature	17	(76.570)	=	76.570 deg. F
temperature	18	(75.830)	=	75.830 deg. F
temperature	19	(76.120)	=	76.120 deg. F
temperature	20	(75.210)	=	75.210 deg. F
temperature	21	(74.100)	=	74.100 deg. F
temperature	22	(74.260)	=	74.260 deg. F
temperature	23	(75.360)	=	75.360 deg. F
temperature	24	(74.010)	=	74.010 deg. F
temperature	25	(75.600)	=	75.600 deg. F
temperature	26	(74.670)	=	74.670 deg. F
temperature	27	(75.370)	=	75.370 deg. F
temperature	28	(73.310)	=	73.310 deg. F
temperature	29	(74.390)	=	74.390 deg. F
temperature	30	(73.630)	=	73.630 deg. F
dewpoint	1	(56.580)	=	56.580 deg. F , 0.2265 psia
dewpoint	2	(57.080)	=	57.080 deg. F , 0.2307 psia
dewpoint	3	(57.420)	=	57.420 deg. F , 0.2335 psia
dewpoint	4	(57.360)	=	57.360 deg. F , 0.2330 psia
dewpoint	5	(57.840)	=	57.840 deg. F , 0.2371 psia
dewpoint	6	(56.930)	=	56.930 deg. F , 0.2294 psia
pressure	1	(14.83920)	=	14.8392 psia
pressure	2	(14.83650)	=	14.8365 psia

weighted averages, volume and air mass

temperature	=	77.32752 deg. F
pressure	=	14.83920 psia
vapor pressure	=	0.23154 psia
volume	=	2841900 cu. ft.
dry air mass	=	208662.84 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 3

time = 1815 date = 328

sensor		raw data		value
temperature	1	(84.780)	=	84.780 deg. F
temperature	2	(84.140)	=	84.140 deg. F
temperature	3	(83.640)	=	83.640 deg. F
temperature	4	(83.980)	=	83.980 deg. F
temperature	5	(83.740)	=	83.740 deg. F
temperature	6	(82.770)	=	82.770 deg. F
temperature	7	(82.150)	=	82.150 deg. F
temperature	8	(81.340)	=	81.340 deg. F
temperature	9	(80.230)	=	80.230 deg. F
temperature	10	(79.620)	=	79.620 deg. F
temperature	11	(79.590)	=	79.590 deg. F
temperature	12	(79.730)	=	79.730 deg. F
temperature	13	(79.680)	=	79.680 deg. F
temperature	14	(78.670)	=	78.670 deg. F
temperature	15	(78.880)	=	78.880 deg. F
temperature	16	(78.830)	=	78.830 deg. F
temperature	17	(78.010)	=	78.010 deg. F
temperature	18	(76.890)	=	76.890 deg. F
temperature	19	(77.870)	=	77.870 deg. F
temperature	20	(76.610)	=	76.610 deg. F
temperature	21	(75.420)	=	75.420 deg. F
temperature	22	(75.920)	=	75.920 deg. F
temperature	23	(76.290)	=	76.290 deg. F
temperature	24	(75.910)	=	75.910 deg. F
temperature	25	(77.420)	=	77.420 deg. F
temperature	26	(75.540)	=	75.540 deg. F
temperature	27	(75.890)	=	75.890 deg. F
temperature	28	(74.080)	=	74.080 deg. F
temperature	29	(74.950)	=	74.950 deg. F
temperature	30	(74.710)	=	74.710 deg. F
dewpoint	1	(57.830)	=	57.830 deg. F , 0.2370 psia
dewpoint	2	(58.660)	=	58.660 deg. F , 0.2441 psia
dewpoint	3	(58.660)	=	58.660 deg. F , 0.2441 psia
dewpoint	4	(58.500)	=	58.500 deg. F , 0.2427 psia
dewpoint	5	(58.070)	=	58.070 deg. F , 0.2390 psia
dewpoint	6	(47.420)	=	47.420 deg. F , 0.1616 psia
pressure	1	(15.53610)	=	15.5361 psia
pressure	2	(15.53360)	=	15.5336 psia

weighted averages, volume and air mass

temperature	=	78.98814 deg. F
pressure	=	15.53610 psia
vapor pressure	=	0.22792 psia
volume	=	2841900 cu. ft.
dry air mass	=	217995.31 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 4

time = 1830 date = 328

sensor		raw data		value	
temperature	1	(87.950)	=	87.950 deg. F	
temperature	2	(87.620)	=	87.620 deg. F	
temperature	3	(87.410)	=	87.410 deg. F	
temperature	4	(87.510)	=	87.510 deg. F	
temperature	5	(87.560)	=	87.560 deg. F	
temperature	6	(85.950)	=	85.950 deg. F	
temperature	7	(85.450)	=	85.450 deg. F	
temperature	8	(84.590)	=	84.590 deg. F	
temperature	9	(83.780)	=	83.780 deg. F	
temperature	10	(83.700)	=	83.700 deg. F	
temperature	11	(83.160)	=	83.160 deg. F	
temperature	12	(83.040)	=	83.040 deg. F	
temperature	13	(82.490)	=	82.490 deg. F	
temperature	14	(82.230)	=	82.230 deg. F	
temperature	15	(81.760)	=	81.760 deg. F	
temperature	16	(80.950)	=	80.950 deg. F	
temperature	17	(79.510)	=	79.510 deg. F	
temperature	18	(77.410)	=	77.410 deg. F	
temperature	19	(76.530)	=	76.530 deg. F	
temperature	20	(75.420)	=	75.420 deg. F	
temperature	21	(74.460)	=	74.460 deg. F	
temperature	22	(74.490)	=	74.490 deg. F	
temperature	23	(75.290)	=	75.290 deg. F	
temperature	24	(74.310)	=	74.310 deg. F	
temperature	25	(75.700)	=	75.700 deg. F	
temperature	26	(74.540)	=	74.540 deg. F	
temperature	27	(75.340)	=	75.340 deg. F	
temperature	28	(73.350)	=	73.350 deg. F	
temperature	29	(74.410)	=	74.410 deg. F	
temperature	30	(73.590)	=	73.590 deg. F	
dewpoint	1	(58.750)	=	58.750 deg. F ,	0.2449 psia
dewpoint	2	(59.340)	=	59.340 deg. F ,	0.2502 psia
dewpoint	3	(59.250)	=	59.250 deg. F ,	0.2494 psia
dewpoint	4	(55.920)	=	55.920 deg. F ,	0.2212 psia
dewpoint	5	(56.830)	=	56.830 deg. F ,	0.2286 psia
dewpoint	6	(55.540)	=	55.540 deg. F ,	0.2182 psia
pressure	1	(15.95110)	=	15.9511 psia	
pressure	2	(15.94840)	=	15.9484 psia	

weighted averages, volume and air mass

temperature	=	80.57039 deg. F
pressure	=	15.95110 psia
vapor pressure	=	0.23596 psia
volume	=	2841900 cu. ft.
dry air mass	=	223135.25 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 5

time = 1845 date = 328

sensor		raw data		value
temperature	1	(85.070)	=	85.070 deg. F
temperature	2	(84.700)	=	84.700 deg. F
temperature	3	(84.460)	=	84.460 deg. F
temperature	4	(84.750)	=	84.750 deg. F
temperature	5	(84.970)	=	84.970 deg. F
temperature	6	(83.620)	=	83.620 deg. F
temperature	7	(83.150)	=	83.150 deg. F
temperature	8	(82.550)	=	82.550 deg. F
temperature	9	(81.870)	=	81.870 deg. F
temperature	10	(81.120)	=	81.120 deg. F
temperature	11	(81.020)	=	81.020 deg. F
temperature	12	(80.930)	=	80.930 deg. F
temperature	13	(80.610)	=	80.610 deg. F
temperature	14	(80.430)	=	80.430 deg. F
temperature	15	(79.560)	=	79.560 deg. F
temperature	16	(78.940)	=	78.940 deg. F
temperature	17	(77.760)	=	77.760 deg. F
temperature	18	(75.910)	=	75.910 deg. F
temperature	19	(75.760)	=	75.760 deg. F
temperature	20	(74.790)	=	74.790 deg. F
temperature	21	(74.050)	=	74.050 deg. F
temperature	22	(73.970)	=	73.970 deg. F
temperature	23	(75.040)	=	75.040 deg. F
temperature	24	(73.830)	=	73.830 deg. F
temperature	25	(75.520)	=	75.520 deg. F
temperature	26	(74.350)	=	74.350 deg. F
temperature	27	(74.820)	=	74.820 deg. F
temperature	28	(73.180)	=	73.180 deg. F
temperature	29	(74.370)	=	74.370 deg. F
temperature	30	(73.470)	=	73.470 deg. F

dewpoint	1	(58.660)	=	58.660 deg. F	0.2441 psia
dewpoint	2	(59.200)	=	59.200 deg. F	0.2489 psia
dewpoint	3	(59.110)	=	59.110 deg. F	0.2481 psia
dewpoint	4	(55.600)	=	55.600 deg. F	0.2186 psia
dewpoint	5	(56.810)	=	56.810 deg. F	0.2284 psia
dewpoint	6	(56.150)	=	56.150 deg. F	0.2230 psia

pressure	1	(15.90500)	=	15.9050 psia
pressure	2	(15.90240)	=	15.9024 psia

weighted averages, volume and air mass

temperature	=	79.01589 deg. F
pressure	=	15.90500 psia
vapor pressure	=	0.23574 psia
volume	=	2841900 cu. ft.
dry air mass	=	223125.84 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 6

time = 1900 date = 328

sensor		raw data		value
temperature	1	(83.300)	=	83.300 deg. F
temperature	2	(83.010)	=	83.010 deg. F
temperature	3	(82.660)	=	82.660 deg. F
temperature	4	(83.010)	=	83.010 deg. F
temperature	5	(83.290)	=	83.290 deg. F
temperature	6	(82.140)	=	82.140 deg. F
temperature	7	(81.680)	=	81.680 deg. F
temperature	8	(81.240)	=	81.240 deg. F
temperature	9	(80.560)	=	80.560 deg. F
temperature	10	(79.740)	=	79.740 deg. F
temperature	11	(79.640)	=	79.640 deg. F
temperature	12	(79.500)	=	79.500 deg. F
temperature	13	(79.400)	=	79.400 deg. F
temperature	14	(79.070)	=	79.070 deg. F
temperature	15	(78.250)	=	78.250 deg. F
temperature	16	(77.740)	=	77.740 deg. F
temperature	17	(77.100)	=	77.100 deg. F
temperature	18	(75.660)	=	75.660 deg. F
temperature	19	(75.640)	=	75.640 deg. F
temperature	20	(74.690)	=	74.690 deg. F
temperature	21	(73.980)	=	73.980 deg. F
temperature	22	(73.920)	=	73.920 deg. F
temperature	23	(74.940)	=	74.940 deg. F
temperature	24	(73.740)	=	73.740 deg. F
temperature	25	(75.500)	=	75.500 deg. F
temperature	26	(74.200)	=	74.200 deg. F
temperature	27	(74.790)	=	74.790 deg. F
temperature	28	(73.180)	=	73.180 deg. F
temperature	29	(74.360)	=	74.360 deg. F
temperature	30	(73.420)	=	73.420 deg. F
dewpoint	1	(58.630)	=	58.630 deg. F , 0.2439 psia
dewpoint	2	(59.140)	=	59.140 deg. F , 0.2484 psia
dewpoint	3	(58.980)	=	58.980 deg. F , 0.2470 psia
dewpoint	4	(56.170)	=	56.170 deg. F , 0.2232 psia
dewpoint	5	(56.860)	=	56.860 deg. F , 0.2288 psia
dewpoint	6	(56.380)	=	56.380 deg. F , 0.2249 psia
pressure	1	(15.88380)	=	15.8838 psia
pressure	2	(15.88130)	=	15.8813 psia

weighted averages, volume and air mass

temperature	=	78.13406 deg. F
pressure	=	15.88380 psia
vapor pressure	=	0.23656 psia
volume	=	2841900 cu. ft.
dry air mass	=	223177.54 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 7

time = 1915 date = 328

sensor		raw data		value
temperature	1	(82.400)	=	82.400 deg. F
temperature	2	(82.050)	=	82.050 deg. F
temperature	3	(81.690)	=	81.690 deg. F
temperature	4	(82.090)	=	82.090 deg. F
temperature	5	(82.190)	=	82.190 deg. F
temperature	6	(81.220)	=	81.220 deg. F
temperature	7	(80.880)	=	80.880 deg. F
temperature	8	(80.560)	=	80.560 deg. F
temperature	9	(79.790)	=	79.790 deg. F
temperature	10	(78.950)	=	78.950 deg. F
temperature	11	(78.800)	=	78.800 deg. F
temperature	12	(78.690)	=	78.690 deg. F
temperature	13	(78.600)	=	78.600 deg. F
temperature	14	(78.240)	=	78.240 deg. F
temperature	15	(77.440)	=	77.440 deg. F
temperature	16	(77.290)	=	77.290 deg. F
temperature	17	(76.860)	=	76.860 deg. F
temperature	18	(75.590)	=	75.590 deg. F
temperature	19	(75.560)	=	75.560 deg. F
temperature	20	(74.760)	=	74.760 deg. F
temperature	21	(74.000)	=	74.000 deg. F
temperature	22	(73.840)	=	73.840 deg. F
temperature	23	(74.850)	=	74.850 deg. F
temperature	24	(73.720)	=	73.720 deg. F
temperature	25	(75.480)	=	75.480 deg. F
temperature	26	(74.150)	=	74.150 deg. F
temperature	27	(74.790)	=	74.790 deg. F
temperature	28	(73.170)	=	73.170 deg. F
temperature	29	(74.360)	=	74.360 deg. F
temperature	30	(73.380)	=	73.380 deg. F
dewpoint	1	(58.570)	=	58.570 deg. F , 0.2434 psia
dewpoint	2	(59.100)	=	59.100 deg. F , 0.2480 psia
dewpoint	3	(58.700)	=	58.700 deg. F , 0.2445 psia
dewpoint	4	(56.370)	=	56.370 deg. F , 0.2248 psia
dewpoint	5	(56.960)	=	56.960 deg. F , 0.2297 psia
dewpoint	6	(56.540)	=	56.540 deg. F , 0.2262 psia
pressure	1	(15.87240)	=	15.8724 psia
pressure	2	(15.87000)	=	15.8700 psia

weighted averages, volume and air mass

temperature	=	77.64262 deg. F
pressure	=	15.87240 psia
vapor pressure	=	0.23656 psia
volume	=	2841900 cu. ft.
dry air mass	=	223218.95 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 8

time = 1930 date = 328

sensor		raw data		value
temperature	1	(81.980)	=	81.980 deg. F
temperature	2	(81.500)	=	81.500 deg. F
temperature	3	(81.150)	=	81.150 deg. F
temperature	4	(81.560)	=	81.560 deg. F
temperature	5	(81.650)	=	81.650 deg. F
temperature	6	(80.780)	=	80.780 deg. F
temperature	7	(80.380)	=	80.380 deg. F
temperature	8	(80.220)	=	80.220 deg. F
temperature	9	(79.360)	=	79.360 deg. F
temperature	10	(78.420)	=	78.420 deg. F
temperature	11	(78.290)	=	78.290 deg. F
temperature	12	(78.190)	=	78.190 deg. F
temperature	13	(78.090)	=	78.090 deg. F
temperature	14	(77.750)	=	77.750 deg. F
temperature	15	(76.990)	=	76.990 deg. F
temperature	16	(77.110)	=	77.110 deg. F
temperature	17	(76.750)	=	76.750 deg. F
temperature	18	(75.520)	=	75.520 deg. F
temperature	19	(75.470)	=	75.470 deg. F
temperature	20	(74.630)	=	74.630 deg. F
temperature	21	(74.000)	=	74.000 deg. F
temperature	22	(73.850)	=	73.850 deg. F
temperature	23	(74.760)	=	74.760 deg. F
temperature	24	(73.680)	=	73.680 deg. F
temperature	25	(75.470)	=	75.470 deg. F
temperature	26	(74.140)	=	74.140 deg. F
temperature	27	(74.770)	=	74.770 deg. F
temperature	28	(73.110)	=	73.110 deg. F
temperature	29	(74.350)	=	74.350 deg. F
temperature	30	(73.360)	=	73.360 deg. F
dewpoint	1	(58.570)	=	58.570 deg. F , 0.2434 psia
dewpoint	2	(59.040)	=	59.040 deg. F , 0.2475 psia
dewpoint	3	(58.540)	=	58.540 deg. F , 0.2431 psia
dewpoint	4	(56.480)	=	56.480 deg. F , 0.2257 psia
dewpoint	5	(57.080)	=	57.080 deg. F , 0.2307 psia
dewpoint	6	(56.620)	=	56.620 deg. F , 0.2269 psia
pressure	1	(15.86570)	=	15.8657 psia
pressure	2	(15.86330)	=	15.8633 psia

weighted averages, volume and air mass

temperature	=	77.35696 deg. F
pressure	=	15.86570 psia
vapor pressure	=	0.23658 psia
volume	=	2841900 cu. ft.
dry air mass	=	223241.61 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 9

time = 1945 date = 328

sensor		raw data		value
temperature	1	(81.640)	=	81.640 deg. F
temperature	2	(81.170)	=	81.170 deg. F
temperature	3	(80.800)	=	80.800 deg. F
temperature	4	(81.210)	=	81.210 deg. F
temperature	5	(81.320)	=	81.320 deg. F
temperature	6	(80.450)	=	80.450 deg. F
temperature	7	(80.080)	=	80.080 deg. F
temperature	8	(79.990)	=	79.990 deg. F
temperature	9	(79.130)	=	79.130 deg. F
temperature	10	(78.110)	=	78.110 deg. F
temperature	11	(77.930)	=	77.930 deg. F
temperature	12	(77.810)	=	77.810 deg. F
temperature	13	(77.780)	=	77.780 deg. F
temperature	14	(77.450)	=	77.450 deg. F
temperature	15	(76.800)	=	76.800 deg. F
temperature	16	(76.990)	=	76.990 deg. F
temperature	17	(76.620)	=	76.620 deg. F
temperature	18	(75.490)	=	75.490 deg. F
temperature	19	(75.430)	=	75.430 deg. F
temperature	20	(74.590)	=	74.590 deg. F
temperature	21	(73.980)	=	73.980 deg. F
temperature	22	(73.750)	=	73.750 deg. F
temperature	23	(74.720)	=	74.720 deg. F
temperature	24	(73.660)	=	73.660 deg. F
temperature	25	(75.420)	=	75.420 deg. F
temperature	26	(74.100)	=	74.100 deg. F
temperature	27	(74.740)	=	74.740 deg. F
temperature	28	(73.080)	=	73.080 deg. F
temperature	29	(74.340)	=	74.340 deg. F
temperature	30	(73.330)	=	73.330 deg. F
dewpoint	1	(58.580)	=	58.580 deg. F , 0.2434 psia
dewpoint	2	(59.030)	=	59.030 deg. F , 0.2474 psia
dewpoint	3	(57.830)	=	57.830 deg. F , 0.2370 psia
dewpoint	4	(56.620)	=	56.620 deg. F , 0.2269 psia
dewpoint	5	(57.220)	=	57.220 deg. F , 0.2318 psia
dewpoint	6	(56.790)	=	56.790 deg. F , 0.2283 psia
pressure	1	(15.86130)	=	15.8613 psia
pressure	2	(15.85890)	=	15.8589 psia

weighted averages, volume and air mass

temperature	=	77.16985 deg. F
pressure	=	15.86130 psia
vapor pressure	=	0.23600 psia
volume	=	2841900 cu. ft.
dry air mass	=	223264.87 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 10

time = 2000 date = 328

sensor		raw data		value
temperature	1	(85.940)	=	85.940 deg. F
temperature	2	(86.010)	=	86.010 deg. F
temperature	3	(85.280)	=	85.280 deg. F
temperature	4	(85.270)	=	85.270 deg. F
temperature	5	(84.940)	=	84.940 deg. F
temperature	6	(84.480)	=	84.480 deg. F
temperature	7	(83.850)	=	83.850 deg. F
temperature	8	(82.900)	=	82.900 deg. F
temperature	9	(82.160)	=	82.160 deg. F
temperature	10	(82.120)	=	82.120 deg. F
temperature	11	(81.630)	=	81.630 deg. F
temperature	12	(81.510)	=	81.510 deg. F
temperature	13	(81.580)	=	81.580 deg. F
temperature	14	(80.460)	=	80.460 deg. F
temperature	15	(80.480)	=	80.480 deg. F
temperature	16	(80.010)	=	80.010 deg. F
temperature	17	(79.280)	=	79.280 deg. F
temperature	18	(77.720)	=	77.720 deg. F
temperature	19	(77.770)	=	77.770 deg. F
temperature	20	(76.430)	=	76.430 deg. F
temperature	21	(75.440)	=	75.440 deg. F
temperature	22	(75.630)	=	75.630 deg. F
temperature	23	(75.620)	=	75.620 deg. F
temperature	24	(75.620)	=	75.620 deg. F
temperature	25	(77.010)	=	77.010 deg. F
temperature	26	(75.020)	=	75.020 deg. F
temperature	27	(75.360)	=	75.360 deg. F
temperature	28	(73.820)	=	73.820 deg. F
temperature	29	(74.480)	=	74.480 deg. F
temperature	30	(74.280)	=	74.280 deg. F

dewpoint	1	(60.420)	=	60.420 deg. F , 0.2600 psia
dewpoint	2	(59.360)	=	59.360 deg. F , 0.2503 psia
dewpoint	3	(60.150)	=	60.150 deg. F , 0.2575 psia
dewpoint	4	(57.530)	=	57.530 deg. F , 0.2344 psia
dewpoint	5	(54.880)	=	54.880 deg. F , 0.2130 psia
dewpoint	6	(46.950)	=	46.950 deg. F , 0.1587 psia

pressure	1	(16.91710)	=	16.9171 psia
pressure	2	(16.91610)	=	16.9161 psia

weighted averages, volume and air mass

temperature	=	79.90398 deg. F
pressure	=	16.91710 psia
vapor pressure	=	0.23003 psia
volume	=	2841900 cu. ft.
dry air mass	=	237228.04 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 11

time = 2015 date = 328

sensor		raw data		value
temperature	1	(93.150)	=	93.150 deg. F
temperature	2	(92.770)	=	92.770 deg. F
temperature	3	(91.930)	=	91.930 deg. F
temperature	4	(91.980)	=	91.980 deg. F
temperature	5	(92.680)	=	92.680 deg. F
temperature	6	(90.460)	=	90.460 deg. F
temperature	7	(90.760)	=	90.760 deg. F
temperature	8	(88.970)	=	88.970 deg. F
temperature	9	(88.260)	=	88.260 deg. F
temperature	10	(89.320)	=	89.320 deg. F
temperature	11	(87.870)	=	87.870 deg. F
temperature	12	(87.640)	=	87.640 deg. F
temperature	13	(86.130)	=	86.130 deg. F
temperature	14	(86.760)	=	86.760 deg. F
temperature	15	(86.390)	=	86.390 deg. F
temperature	16	(84.270)	=	84.270 deg. F
temperature	17	(81.910)	=	81.910 deg. F
temperature	18	(78.870)	=	78.870 deg. F
temperature	19	(78.660)	=	78.660 deg. F
temperature	20	(77.240)	=	77.240 deg. F
temperature	21	(76.460)	=	76.460 deg. F
temperature	22	(76.410)	=	76.410 deg. F
temperature	23	(76.130)	=	76.130 deg. F
temperature	24	(76.310)	=	76.310 deg. F
temperature	25	(77.580)	=	77.580 deg. F
temperature	26	(75.340)	=	75.340 deg. F
temperature	27	(75.890)	=	75.890 deg. F
temperature	28	(73.950)	=	73.950 deg. F
temperature	29	(74.140)	=	74.140 deg. F
temperature	30	(74.620)	=	74.620 deg. F
dewpoint	1	(61.820)	=	61.820 deg. F , 0.2732 psia
dewpoint	2	(62.600)	=	62.600 deg. F , 0.2808 psia
dewpoint	3	(62.330)	=	62.330 deg. F , 0.2782 psia
dewpoint	4	(57.070)	=	57.070 deg. F , 0.2306 psia
dewpoint	5	(51.990)	=	51.990 deg. F , 0.1916 psia
dewpoint	6	(42.900)	=	42.900 deg. F , 0.1361 psia
pressure	1	(18.44330)	=	18.4433 psia
pressure	2	(18.44410)	=	18.4441 psia

weighted averages, volume and air mass

temperature	=	83.78061 deg. F
pressure	=	18.44330 psia
vapor pressure	=	0.23456 psia
volume	=	2841900 cu. ft.
dry air mass	=	257013.98 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 12

time = 2030 date = 328

sensor		raw data		value
temperature	1	(97.120)	=	97.120 deg. F
temperature	2	(96.470)	=	96.470 deg. F
temperature	3	(95.650)	=	95.650 deg. F
temperature	4	(96.070)	=	96.070 deg. F
temperature	5	(95.890)	=	95.890 deg. F
temperature	6	(93.970)	=	93.970 deg. F
temperature	7	(93.710)	=	93.710 deg. F
temperature	8	(91.800)	=	91.800 deg. F
temperature	9	(91.280)	=	91.280 deg. F
temperature	10	(91.750)	=	91.750 deg. F
temperature	11	(90.790)	=	90.790 deg. F
temperature	12	(90.430)	=	90.430 deg. F
temperature	13	(88.990)	=	88.990 deg. F
temperature	14	(88.940)	=	88.940 deg. F
temperature	15	(88.320)	=	88.320 deg. F
temperature	16	(86.000)	=	86.000 deg. F
temperature	17	(82.460)	=	82.460 deg. F
temperature	18	(79.430)	=	79.430 deg. F
temperature	19	(78.710)	=	78.710 deg. F
temperature	20	(77.010)	=	77.010 deg. F
temperature	21	(76.450)	=	76.450 deg. F
temperature	22	(76.170)	=	76.170 deg. F
temperature	23	(76.100)	=	76.100 deg. F
temperature	24	(76.130)	=	76.130 deg. F
temperature	25	(77.430)	=	77.430 deg. F
temperature	26	(75.250)	=	75.250 deg. F
temperature	27	(75.840)	=	75.840 deg. F
temperature	28	(73.950)	=	73.950 deg. F
temperature	29	(74.110)	=	74.110 deg. F
temperature	30	(74.530)	=	74.530 deg. F

dewpoint	1	(63.800)	=	63.800 deg. F	, 0.2929 psia
dewpoint	2	(64.490)	=	64.490 deg. F	, 0.3001 psia
dewpoint	3	(63.940)	=	63.940 deg. F	, 0.2943 psia
dewpoint	4	(54.720)	=	54.720 deg. F	, 0.2117 psia
dewpoint	5	(50.790)	=	50.790 deg. F	, 0.1833 psia
dewpoint	6	(41.590)	=	41.590 deg. F	, 0.1294 psia

pressure	1	(19.90600)	=	19.9060 psia
pressure	2	(19.90530)	=	19.9053 psia

weighted averages, volume and air mass

temperature	=	85.45689 deg. F
pressure	=	19.90600 psia
vapor pressure	=	0.23875 psia
volume	=	2841900 cu. ft.
dry air mass	=	276747.03 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 13

time = 2045 date = 328

sensor		raw data		value
temperature	1	(98.590)	=	98.590 deg. F
temperature	2	(97.880)	=	97.880 deg. F
temperature	3	(97.020)	=	97.020 deg. F
temperature	4	(97.980)	=	97.980 deg. F
temperature	5	(97.510)	=	97.510 deg. F
temperature	6	(95.400)	=	95.400 deg. F
temperature	7	(94.800)	=	94.800 deg. F
temperature	8	(93.370)	=	93.370 deg. F
temperature	9	(92.700)	=	92.700 deg. F
temperature	10	(92.560)	=	92.560 deg. F
temperature	11	(91.960)	=	91.960 deg. F
temperature	12	(91.300)	=	91.300 deg. F
temperature	13	(89.980)	=	89.980 deg. F
temperature	14	(89.980)	=	89.980 deg. F
temperature	15	(88.590)	=	88.590 deg. F
temperature	16	(86.410)	=	86.410 deg. F
temperature	17	(82.520)	=	82.520 deg. F
temperature	18	(79.510)	=	79.510 deg. F
temperature	19	(78.600)	=	78.600 deg. F
temperature	20	(76.900)	=	76.900 deg. F
temperature	21	(76.270)	=	76.270 deg. F
temperature	22	(75.930)	=	75.930 deg. F
temperature	23	(76.050)	=	76.050 deg. F
temperature	24	(75.790)	=	75.790 deg. F
temperature	25	(77.210)	=	77.210 deg. F
temperature	26	(75.350)	=	75.350 deg. F
temperature	27	(75.900)	=	75.900 deg. F
temperature	28	(73.850)	=	73.850 deg. F
temperature	29	(74.040)	=	74.040 deg. F
temperature	30	(74.590)	=	74.590 deg. F

dewpoint	1	(64.760)	=	64.760 deg. F , 0.3029 psia
dewpoint	2	(65.880)	=	65.880 deg. F , 0.3149 psia
dewpoint	3	(65.030)	=	65.030 deg. F , 0.3058 psia
dewpoint	4	(52.980)	=	52.980 deg. F , 0.1987 psia
dewpoint	5	(49.980)	=	49.980 deg. F , 0.1778 psia
dewpoint	6	(40.260)	=	40.260 deg. F , 0.1229 psia

pressure	1	(21.35130)	=	21.3513 psia
pressure	2	(21.34760)	=	21.3476 psia

weighted averages, volume and air mass

temperature	=	86.08878 deg. F
pressure	=	21.35130 psia
vapor pressure	=	0.24114 psia
volume	=	2841900 cu. ft.
dry air mass	=	296706.84 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 14

time = 2100 date = 328

sensor		raw data		value
temperature	1	(99.260)	=	99.260 deg. F
temperature	2	(98.710)	=	98.710 deg. F
temperature	3	(98.170)	=	98.170 deg. F
temperature	4	(98.350)	=	98.350 deg. F
temperature	5	(98.130)	=	98.130 deg. F
temperature	6	(95.960)	=	95.960 deg. F
temperature	7	(95.280)	=	95.280 deg. F
temperature	8	(94.250)	=	94.250 deg. F
temperature	9	(93.250)	=	93.250 deg. F
temperature	10	(93.080)	=	93.080 deg. F
temperature	11	(92.590)	=	92.590 deg. F
temperature	12	(91.930)	=	91.930 deg. F
temperature	13	(90.590)	=	90.590 deg. F
temperature	14	(90.430)	=	90.430 deg. F
temperature	15	(88.820)	=	88.820 deg. F
temperature	16	(86.560)	=	86.560 deg. F
temperature	17	(82.670)	=	82.670 deg. F
temperature	18	(79.620)	=	79.620 deg. F
temperature	19	(78.650)	=	78.650 deg. F
temperature	20	(76.600)	=	76.600 deg. F
temperature	21	(76.050)	=	76.050 deg. F
temperature	22	(75.670)	=	75.670 deg. F
temperature	23	(75.940)	=	75.940 deg. F
temperature	24	(75.520)	=	75.520 deg. F
temperature	25	(77.060)	=	77.060 deg. F
temperature	26	(75.300)	=	75.300 deg. F
temperature	27	(75.710)	=	75.710 deg. F
temperature	28	(73.690)	=	73.690 deg. F
temperature	29	(73.910)	=	73.910 deg. F
temperature	30	(74.570)	=	74.570 deg. F
dewpoint	1	(67.000)	=	67.000 deg. F , 0.3274 psia
dewpoint	2	(67.200)	=	67.200 deg. F , 0.3297 psia
dewpoint	3	(66.040)	=	66.040 deg. F , 0.3167 psia
dewpoint	4	(51.800)	=	51.800 deg. F , 0.1902 psia
dewpoint	5	(49.960)	=	49.960 deg. F , 0.1777 psia
dewpoint	6	(40.750)	=	40.750 deg. F , 0.1252 psia
pressure	1	(22.78350)	=	22.7835 psia
pressure	2	(22.77840)	=	22.7784 psia

weighted averages, volume and air mass

temperature	=	86.36942 deg. F
pressure	=	22.78350 psia
vapor pressure	=	0.24859 psia
volume	=	2841900 cu. ft.
dry air mass	=	316569.20 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 15

time = 2115 date = 328

sensor		raw data		value
temperature	1	(99.740)	=	99.740 deg. F
temperature	2	(99.200)	=	99.200 deg. F
temperature	3	(98.470)	=	98.470 deg. F
temperature	4	(98.830)	=	98.830 deg. F
temperature	5	(98.620)	=	98.620 deg. F
temperature	6	(96.340)	=	96.340 deg. F
temperature	7	(95.830)	=	95.830 deg. F
temperature	8	(94.670)	=	94.670 deg. F
temperature	9	(93.630)	=	93.630 deg. F
temperature	10	(93.360)	=	93.360 deg. F
temperature	11	(92.880)	=	92.880 deg. F
temperature	12	(92.210)	=	92.210 deg. F
temperature	13	(91.150)	=	91.150 deg. F
temperature	14	(90.640)	=	90.640 deg. F
temperature	15	(89.230)	=	89.230 deg. F
temperature	16	(86.630)	=	86.630 deg. F
temperature	17	(82.650)	=	82.650 deg. F
temperature	18	(79.530)	=	79.530 deg. F
temperature	19	(78.550)	=	78.550 deg. F
temperature	20	(76.450)	=	76.450 deg. F
temperature	21	(75.980)	=	75.980 deg. F
temperature	22	(75.360)	=	75.360 deg. F
temperature	23	(75.840)	=	75.840 deg. F
temperature	24	(75.320)	=	75.320 deg. F
temperature	25	(76.890)	=	76.890 deg. F
temperature	26	(75.210)	=	75.210 deg. F
temperature	27	(75.610)	=	75.610 deg. F
temperature	28	(73.610)	=	73.610 deg. F
temperature	29	(73.810)	=	73.810 deg. F
temperature	30	(74.480)	=	74.480 deg. F
dewpoint	1	(67.320)	=	67.320 deg. F , 0.3310 psia
dewpoint	2	(68.180)	=	68.180 deg. F , 0.3410 psia
dewpoint	3	(66.820)	=	66.820 deg. F , 0.3254 psia
dewpoint	4	(50.710)	=	50.710 deg. F , 0.1827 psia
dewpoint	5	(49.840)	=	49.840 deg. F , 0.1769 psia
dewpoint	6	(42.220)	=	42.220 deg. F , 0.1326 psia
pressure	1	(24.21150)	=	24.2115 psia
pressure	2	(24.20780)	=	24.2078 psia

weighted averages, volume and air mass

temperature	=	86.53225 deg. F
pressure	=	24.21150 psia
vapor pressure	=	0.25276 psia
volume	=	2841900 cu. ft.
dry air mass	=	336470.74 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 16

time = 2130 date = 328

sensor		raw data		value
temperature	1	(100.020)	=	100.020 deg. F
temperature	2	(99.480)	=	99.480 deg. F
temperature	3	(98.780)	=	98.780 deg. F
temperature	4	(98.950)	=	98.950 deg. F
temperature	5	(98.820)	=	98.820 deg. F
temperature	6	(96.480)	=	96.480 deg. F
temperature	7	(95.900)	=	95.900 deg. F
temperature	8	(95.000)	=	95.000 deg. F
temperature	9	(93.790)	=	93.790 deg. F
temperature	10	(93.650)	=	93.650 deg. F
temperature	11	(93.070)	=	93.070 deg. F
temperature	12	(92.480)	=	92.480 deg. F
temperature	13	(91.580)	=	91.580 deg. F
temperature	14	(90.930)	=	90.930 deg. F
temperature	15	(89.480)	=	89.480 deg. F
temperature	16	(86.620)	=	86.620 deg. F
temperature	17	(82.650)	=	82.650 deg. F
temperature	18	(79.310)	=	79.310 deg. F
temperature	19	(78.400)	=	78.400 deg. F
temperature	20	(76.230)	=	76.230 deg. F
temperature	21	(75.890)	=	75.890 deg. F
temperature	22	(75.180)	=	75.180 deg. F
temperature	23	(75.750)	=	75.750 deg. F
temperature	24	(74.890)	=	74.890 deg. F
temperature	25	(76.720)	=	76.720 deg. F
temperature	26	(75.110)	=	75.110 deg. F
temperature	27	(75.430)	=	75.430 deg. F
temperature	28	(73.410)	=	73.410 deg. F
temperature	29	(73.730)	=	73.730 deg. F
temperature	30	(74.390)	=	74.390 deg. F

dewpoint	1	(67.650)	=	67.650 deg. F	, 0 3348 psia
dewpoint	2	(68.910)	=	68.910 deg. F	, 0.3496 psia
dewpoint	3	(67.230)	=	67.230 deg. F	, 0.3300 psia
dewpoint	4	(50.350)	=	50.350 deg. F	, 0.1803 psia
dewpoint	5	(49.650)	=	49.650 deg. F	, 0.1757 psia
dewpoint	6	(41.070)	=	41.070 deg. F	, 0.1268 psia

pressure	1	(25.63990)	=	25.6399 psia
pressure	2	(25.63740)	=	25.6374 psia

weighted averages, volume and air mass

temperature	=	86.59500 deg. F
pressure	=	25.63990 psia
vapor pressure	=	0.25428 psia
volume	=	2841900 cu. ft.
dry air mass	=	356468.65 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 17

time = 2145 date = 328

sensor		raw data		value
temperature	1	(100.020)	=	100.020 deg. F
temperature	2	(99.520)	=	99.520 deg. F
temperature	3	(99.160)	=	99.160 deg. F
temperature	4	(99.050)	=	99.050 deg. F
temperature	5	(98.780)	=	98.780 deg. F
temperature	6	(96.740)	=	96.740 deg. F
temperature	7	(96.090)	=	96.090 deg. F
temperature	8	(95.150)	=	95.150 deg. F
temperature	9	(94.180)	=	94.180 deg. F
temperature	10	(93.750)	=	93.750 deg. F
temperature	11	(93.120)	=	93.120 deg. F
temperature	12	(92.750)	=	92.750 deg. F
temperature	13	(91.720)	=	91.720 deg. F
temperature	14	(91.010)	=	91.010 deg. F
temperature	15	(89.610)	=	89.610 deg. F
temperature	16	(86.620)	=	86.620 deg. F
temperature	17	(82.680)	=	82.680 deg. F
temperature	18	(79.170)	=	79.170 deg. F
temperature	19	(78.320)	=	78.320 deg. F
temperature	20	(76.080)	=	76.080 deg. F
temperature	21	(75.640)	=	75.640 deg. F
temperature	22	(74.950)	=	74.950 deg. F
temperature	23	(75.610)	=	75.610 deg. F
temperature	24	(74.710)	=	74.710 deg. F
temperature	25	(76.590)	=	76.590 deg. F
temperature	26	(75.010)	=	75.010 deg. F
temperature	27	(75.280)	=	75.280 deg. F
temperature	28	(73.320)	=	73.320 deg. F
temperature	29	(73.620)	=	73.620 deg. F
temperature	30	(74.290)	=	74.290 deg. F
dewpoint	1	(68.010)	=	68.010 deg. F , 0.3390 psia
dewpoint	2	(69.960)	=	69.960 deg. F , 0.3624 psia
dewpoint	3	(67.750)	=	67.750 deg. F , 0.3360 psia
dewpoint	4	(49.860)	=	49.860 deg. F , 0.1770 psia
dewpoint	5	(49.780)	=	49.780 deg. F , 0.1765 psia
dewpoint	6	(40.800)	=	40.800 deg. F , 0.1255 psia
pressure	1	(27.06470)	=	27.0647 psia
pressure	2	(27.06150)	=	27.0615 psia

weighted averages, volume and air mass

temperature	=	86.62222 deg. F
pressure	=	27.06470 psia
vapor pressure	=	0.25775 psia
volume	=	2841900 cu. ft.
dry air mass	=	376408.34 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 18

time = 2200 date = 328

sensor		raw data		value
temperature	1	(100.040)	=	100.040 deg. F
temperature	2	(99.700)	=	99.700 deg. F
temperature	3	(98.870)	=	98.870 deg. F
temperature	4	(99.010)	=	99.010 deg. F
temperature	5	(98.990)	=	98.990 deg. F
temperature	6	(96.770)	=	96.770 deg. F
temperature	7	(96.300)	=	96.300 deg. F
temperature	8	(95.360)	=	95.360 deg. F
temperature	9	(94.230)	=	94.230 deg. F
temperature	10	(93.830)	=	93.830 deg. F
temperature	11	(93.230)	=	93.230 deg. F
temperature	12	(92.860)	=	92.860 deg. F
temperature	13	(91.860)	=	91.860 deg. F
temperature	14	(91.120)	=	91.120 deg. F
temperature	15	(89.880)	=	89.880 deg. F
temperature	16	(86.640)	=	86.640 deg. F
temperature	17	(82.670)	=	82.670 deg. F
temperature	18	(79.000)	=	79.000 deg. F
temperature	19	(78.030)	=	78.030 deg. F
temperature	20	(75.960)	=	75.960 deg. F
temperature	21	(75.660)	=	75.660 deg. F
temperature	22	(74.720)	=	74.720 deg. F
temperature	23	(75.520)	=	75.520 deg. F
temperature	24	(74.540)	=	74.540 deg. F
temperature	25	(76.420)	=	76.420 deg. F
temperature	26	(74.900)	=	74.900 deg. F
temperature	27	(75.160)	=	75.160 deg. F
temperature	28	(73.200)	=	73.200 deg. F
temperature	29	(73.480)	=	73.480 deg. F
temperature	30	(74.180)	=	74.180 deg. F
dewpoint	1	(69.570)	=	69.570 deg. F , 0.3576 psia
dewpoint	2	(70.580)	=	70.580 deg. F , 0.3702 psia
dewpoint	3	(68.160)	=	68.160 deg. F , 0.3408 psia
dewpoint	4	(49.030)	=	49.030 deg. F , 0.1716 psia
dewpoint	5	(49.580)	=	49.580 deg. F , 0.1752 psia
dewpoint	6	(41.560)	=	41.560 deg. F , 0.1292 psia
pressure	1	(28.48890)	=	28.4889 psia
pressure	2	(28.48670)	=	28.4867 psia

weighted averages, volume and air mass

temperature	=	86.61983 deg. F
pressure	=	28.48890 psia
vapor pressure	=	0.26246 psia
volume	=	2841900 cu. ft.
dry air mass	=	396341.71 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 19

time = 2215 date = 328

sensor		raw data		value
temperature	1	(100.010)	=	100.010 deg. F
temperature	2	(99.650)	=	99.650 deg. F
temperature	3	(99.010)	=	99.010 deg. F
temperature	4	(99.030)	=	99.030 deg. F
temperature	5	(99.060)	=	99.060 deg. F
temperature	6	(96.860)	=	96.860 deg. F
temperature	7	(96.340)	=	96.340 deg. F
temperature	8	(95.520)	=	95.520 deg. F
temperature	9	(94.390)	=	94.390 deg. F
temperature	10	(93.960)	=	93.960 deg. F
temperature	11	(93.500)	=	93.500 deg. F
temperature	12	(93.090)	=	93.090 deg. F
temperature	13	(91.970)	=	91.970 deg. F
temperature	14	(91.100)	=	91.100 deg. F
temperature	15	(90.040)	=	90.040 deg. F
temperature	16	(86.840)	=	86.840 deg. F
temperature	17	(82.720)	=	82.720 deg. F
temperature	18	(78.860)	=	78.860 deg. F
temperature	19	(77.810)	=	77.810 deg. F
temperature	20	(75.860)	=	75.860 deg. F
temperature	21	(75.400)	=	75.400 deg. F
temperature	22	(74.580)	=	74.580 deg. F
temperature	23	(75.370)	=	75.370 deg. F
temperature	24	(74.370)	=	74.370 deg. F
temperature	25	(76.230)	=	76.230 deg. F
temperature	26	(74.820)	=	74.820 deg. F
temperature	27	(75.040)	=	75.040 deg. F
temperature	28	(73.030)	=	73.030 deg. F
temperature	29	(73.400)	=	73.400 deg. F
temperature	30	(74.070)	=	74.070 deg. F
dewpoint	1	(69.640)	=	69.640 deg. F , 0.3585 psia
dewpoint	2	(71.260)	=	71.260 deg. F , 0.3788 psia
dewpoint	3	(68.050)	=	68.050 deg. F , 0.3395 psia
dewpoint	4	(48.600)	=	48.600 deg. F , 0.1689 psia
dewpoint	5	(49.680)	=	49.680 deg. F , 0.1759 psia
dewpoint	6	(41.640)	=	41.640 deg. F , 0.1296 psia
pressure	1	(29.91430)	=	29.9143 psia
pressure	2	(29.91350)	=	29.9135 psia

weighted averages, volume and air mass

temperature	=	86.62737 deg. F
pressure	=	29.91430 psia
vapor pressure	=	0.26364 psia
volume	=	2841900 cu. ft.
dry air mass	=	416334.20 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 20

time = 2230 date = 328

sensor		raw data		value
temperature	1	(100.120)	=	100.120 deg. F
temperature	2	(99.720)	=	99.720 deg. F
temperature	3	(99.330)	=	99.330 deg. F
temperature	4	(99.220)	=	99.220 deg. F
temperature	5	(99.030)	=	99.030 deg. F
temperature	6	(97.120)	=	97.120 deg. F
temperature	7	(96.430)	=	96.430 deg. F
temperature	8	(95.690)	=	95.690 deg. F
temperature	9	(94.430)	=	94.430 deg. F
temperature	10	(94.010)	=	94.010 deg. F
temperature	11	(93.580)	=	93.580 deg. F
temperature	12	(93.220)	=	93.220 deg. F
temperature	13	(92.300)	=	92.300 deg. F
temperature	14	(91.240)	=	91.240 deg. F
temperature	15	(90.090)	=	90.090 deg. F
temperature	16	(86.900)	=	86.900 deg. F
temperature	17	(82.660)	=	82.660 deg. F
temperature	18	(78.780)	=	78.780 deg. F
temperature	19	(77.670)	=	77.670 deg. F
temperature	20	(75.770)	=	75.770 deg. F
temperature	21	(75.380)	=	75.380 deg. F
temperature	22	(74.440)	=	74.440 deg. F
temperature	23	(75.250)	=	75.250 deg. F
temperature	24	(74.160)	=	74.160 deg. F
temperature	25	(76.080)	=	76.080 deg. F
temperature	26	(74.720)	=	74.720 deg. F
temperature	27	(74.910)	=	74.910 deg. F
temperature	28	(72.900)	=	72.900 deg. F
temperature	29	(73.300)	=	73.300 deg. F
temperature	30	(73.970)	=	73.970 deg. F

dewpoint	1	(70.310)	=	70.310 deg. F	, 0.3668 psia
dewpoint	2	(71.990)	=	71.990 deg. F	, 0.3883 psia
dewpoint	3	(68.330)	=	68.330 deg. F	, 0.3428 psia
dewpoint	4	(48.550)	=	48.550 deg. F	, 0.1686 psia
dewpoint	5	(49.850)	=	49.850 deg. F	, 0.1770 psia
dewpoint	6	(41.710)	=	41.710 deg. F	, 0.1300 psia

pressure	1	(31.34130)	=	31.3413 psia
pressure	2	(31.33970)	=	31.3397 psia

weighted averages, volume and air mass

temperature	=	86.65436 deg. F
pressure	=	31.34130 psia
vapor pressure	=	0.26745 psia
volume	=	2841900 cu. ft.
dry air mass	=	436296.13 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 21

time = 2245 date = 328

sensor		raw data		value
temperature	1	(100.080)	=	100.080 deg. F
temperature	2	(99.660)	=	99.660 deg. F
temperature	3	(99.050)	=	99.050 deg. F
temperature	4	(99.130)	=	99.130 deg. F
temperature	5	(99.190)	=	99.190 deg. F
temperature	6	(97.010)	=	97.010 deg. F
temperature	7	(96.530)	=	96.530 deg. F
temperature	8	(95.800)	=	95.800 deg. F
temperature	9	(94.650)	=	94.650 deg. F
temperature	10	(94.160)	=	94.160 deg. F
temperature	11	(93.630)	=	93.630 deg. F
temperature	12	(93.350)	=	93.350 deg. F
temperature	13	(92.510)	=	92.510 deg. F
temperature	14	(91.310)	=	91.310 deg. F
temperature	15	(90.240)	=	90.240 deg. F
temperature	16	(86.930)	=	86.930 deg. F
temperature	17	(82.660)	=	82.660 deg. F
temperature	18	(78.570)	=	78.570 deg. F
temperature	19	(77.460)	=	77.460 deg. F
temperature	20	(75.570)	=	75.570 deg. F
temperature	21	(75.280)	=	75.280 deg. F
temperature	22	(74.260)	=	74.260 deg. F
temperature	23	(75.120)	=	75.120 deg. F
temperature	24	(74.090)	=	74.090 deg. F
temperature	25	(75.950)	=	75.950 deg. F
temperature	26	(74.620)	=	74.620 deg. F
temperature	27	(74.770)	=	74.770 deg. F
temperature	28	(72.820)	=	72.820 deg. F
temperature	29	(73.230)	=	73.230 deg. F
temperature	30	(73.820)	=	73.820 deg. F
dewpoint	1	(69.990)	=	69.990 deg. F , 0.3628 psia
dewpoint	2	(72.000)	=	72.000 deg. F , 0.3884 psia
dewpoint	3	(69.100)	=	69.100 deg. F , 0.3519 psia
dewpoint	4	(48.400)	=	48.400 deg. F , 0.1676 psia
dewpoint	5	(49.780)	=	49.780 deg. F , 0.1765 psia
dewpoint	6	(42.570)	=	42.570 deg. F , 0.1343 psia
pressure	1	(32.77340)	=	32.7734 psia
pressure	2	(32.76810)	=	32.7681 psia

weighted averages, volume and air mass

temperature	=	86.63190 deg. F
pressure	=	32.77340 psia
vapor pressure	=	0.26915 psia
volume	=	2841900 cu. ft.
dry air mass	=	456398.58 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 22

time = 2300 date = 328

sensor		raw data		value
temperature	1	(100.170)	=	100.170 deg. F
temperature	2	(99.880)	=	99.880 deg. F
temperature	3	(99.240)	=	99.240 deg. F
temperature	4	(99.340)	=	99.340 deg. F
temperature	5	(99.220)	=	99.220 deg. F
temperature	6	(97.170)	=	97.170 deg. F
temperature	7	(96.580)	=	96.580 deg. F
temperature	8	(95.930)	=	95.930 deg. F
temperature	9	(94.690)	=	94.690 deg. F
temperature	10	(94.310)	=	94.310 deg. F
temperature	11	(93.780)	=	93.780 deg. F
temperature	12	(93.530)	=	93.530 deg. F
temperature	13	(92.570)	=	92.570 deg. F
temperature	14	(91.450)	=	91.450 deg. F
temperature	15	(90.340)	=	90.340 deg. F
temperature	16	(86.810)	=	86.810 deg. F
temperature	17	(82.630)	=	82.630 deg. F
temperature	18	(78.470)	=	78.470 deg. F
temperature	19	(77.230)	=	77.230 deg. F
temperature	20	(75.420)	=	75.420 deg. F
temperature	21	(75.120)	=	75.120 deg. F
temperature	22	(74.120)	=	74.120 deg. F
temperature	23	(74.990)	=	74.990 deg. F
temperature	24	(73.930)	=	73.930 deg. F
temperature	25	(75.790)	=	75.790 deg. F
temperature	26	(74.490)	=	74.490 deg. F
temperature	27	(74.620)	=	74.620 deg. F
temperature	28	(72.700)	=	72.700 deg. F
temperature	29	(73.120)	=	73.120 deg. F
temperature	30	(73.710)	=	73.710 deg. F
dewpoint	1	(70.370)	=	70.370 deg. F , 0.3675 psia
dewpoint	2	(72.940)	=	72.940 deg. F , 0.4010 psia
dewpoint	3	(69.670)	=	69.670 deg. F , 0.3589 psia
dewpoint	4	(48.460)	=	48.460 deg. F , 0.1680 psia
dewpoint	5	(50.150)	=	50.150 deg. F , 0.1790 psia
dewpoint	6	(42.940)	=	42.940 deg. F , 0.1363 psia
pressure	1	(34.20010)	=	34.2001 psia
pressure	2	(34.19600)	=	34.1960 psia

weighted averages, volume and air mass

temperature	=	86.63678 deg. F
pressure	=	34.20010 psia
vapor pressure	=	0.27424 psia
volume	=	2841900 cu. ft.
dry air mass	=	476355.46 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 23

time = 2315 date = 328

sensor		raw data		value	
temperature	1	(100.080)	=	100.080 deg. F	
temperature	2	(99.730)	=	99.730 deg. F	
temperature	3	(99.160)	=	99.160 deg. F	
temperature	4	(99.370)	=	99.370 deg. F	
temperature	5	(99.220)	=	99.220 deg. F	
temperature	6	(97.140)	=	97.140 deg. F	
temperature	7	(96.720)	=	96.720 deg. F	
temperature	8	(95.970)	=	95.970 deg. F	
temperature	9	(94.870)	=	94.870 deg. F	
temperature	10	(94.320)	=	94.320 deg. F	
temperature	11	(93.790)	=	93.790 deg. F	
temperature	12	(93.530)	=	93.530 deg. F	
temperature	13	(92.760)	=	92.760 deg. F	
temperature	14	(91.430)	=	91.430 deg. F	
temperature	15	(90.480)	=	90.480 deg. F	
temperature	16	(86.690)	=	86.690 deg. F	
temperature	17	(82.530)	=	82.530 deg. F	
temperature	18	(78.290)	=	78.290 deg. F	
temperature	19	(77.020)	=	77.020 deg. F	
temperature	20	(75.370)	=	75.370 deg. F	
temperature	21	(74.930)	=	74.930 deg. F	
temperature	22	(73.990)	=	73.990 deg. F	
temperature	23	(74.870)	=	74.870 deg. F	
temperature	24	(73.870)	=	73.870 deg. F	
temperature	25	(75.620)	=	75.620 deg. F	
temperature	26	(74.370)	=	74.370 deg. F	
temperature	27	(74.540)	=	74.540 deg. F	
temperature	28	(72.510)	=	72.510 deg. F	
temperature	29	(73.040)	=	73.040 deg. F	
temperature	30	(73.600)	=	73.600 deg. F	
dewpoint	1	(71.800)	=	71.800 deg. F ,	0.3858 psia
dewpoint	2	(73.160)	=	73.160 deg. F ,	0.4039 psia
dewpoint	3	(70.040)	=	70.040 deg. F ,	0.3634 psia
dewpoint	4	(48.500)	=	48.500 deg. F ,	0.1683 psia
dewpoint	5	(50.000)	=	50.000 deg. F ,	0.1780 psia
dewpoint	6	(42.930)	=	42.930 deg. F ,	0.1362 psia
pressure	1	(35.62180)	=	35.6218 psia	
pressure	2	(35.62090)	=	35.6209 psia	

weighted averages, volume and air mass

temperature	=	86.59403	deg. F
pressure	=	35.62180	psia
vapor pressure	=	0.27835	psia
volume	=	2841900	cu. ft.
dry air mass	=	496298.79	lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 24

time = 2330 date = 328

sensor		raw data		value
temperature	1	(100.120)	=	100.120 deg. F
temperature	2	(99.770)	=	99.770 deg. F
temperature	3	(98.970)	=	98.970 deg. F
temperature	4	(99.470)	=	99.470 deg. F
temperature	5	(99.110)	=	99.110 deg. F
temperature	6	(97.200)	=	97.200 deg. F
temperature	7	(96.710)	=	96.710 deg. F
temperature	8	(96.050)	=	96.050 deg. F
temperature	9	(94.870)	=	94.870 deg. F
temperature	10	(94.330)	=	94.330 deg. F
temperature	11	(93.880)	=	93.880 deg. F
temperature	12	(93.650)	=	93.650 deg. F
temperature	13	(92.780)	=	92.780 deg. F
temperature	14	(91.520)	=	91.520 deg. F
temperature	15	(90.510)	=	90.510 deg. F
temperature	16	(86.570)	=	86.570 deg. F
temperature	17	(82.470)	=	82.470 deg. F
temperature	18	(78.140)	=	78.140 deg. F
temperature	19	(76.790)	=	76.790 deg. F
temperature	20	(75.180)	=	75.180 deg. F
temperature	21	(74.880)	=	74.880 deg. F
temperature	22	(73.860)	=	73.860 deg. F
temperature	23	(74.760)	=	74.760 deg. F
temperature	24	(73.660)	=	73.660 deg. F
temperature	25	(75.470)	=	75.470 deg. F
temperature	26	(74.280)	=	74.280 deg. F
temperature	27	(74.440)	=	74.440 deg. F
temperature	28	(72.440)	=	72.440 deg. F
temperature	29	(72.950)	=	72.950 deg. F
temperature	30	(73.480)	=	73.480 deg. F
dewpoint	1	(72.320)	=	72.320 deg. F , 0.3927 psia
dewpoint	2	(73.740)	=	73.740 deg. F , 0.4119 psia
dewpoint	3	(69.880)	=	69.880 deg. F , 0.3614 psia
dewpoint	4	(48.440)	=	48.440 deg. F , 0.1679 psia
dewpoint	5	(50.330)	=	50.330 deg. F , 0.1802 psia
dewpoint	6	(44.710)	=	44.710 deg. F , 0.1458 psia
pressure	1	(37.04300)	=	37.0430 psia
pressure	2	(37.04040)	=	37.0404 psia

weighted averages, volume and air mass

temperature	=	86.55046 deg. F
pressure	=	37.04300 psia
vapor pressure	=	0.28236 psia
volume	=	2841900 cu. ft.
dry air mass	=	516240.31 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 25

time = 2345 date = 328

sensor		raw data		value
temperature	1	(100.080)	=	100.080 deg. F
temperature	2	(99.670)	=	99.670 deg. F
temperature	3	(99.100)	=	99.100 deg. F
temperature	4	(99.080)	=	99.080 deg. F
temperature	5	(99.210)	=	99.210 deg. F
temperature	6	(97.270)	=	97.270 deg. F
temperature	7	(96.880)	=	96.880 deg. F
temperature	8	(96.230)	=	96.230 deg. F
temperature	9	(94.970)	=	94.970 deg. F
temperature	10	(94.380)	=	94.380 deg. F
temperature	11	(93.980)	=	93.980 deg. F
temperature	12	(93.740)	=	93.740 deg. F
temperature	13	(92.950)	=	92.950 deg. F
temperature	14	(91.600)	=	91.600 deg. F
temperature	15	(90.550)	=	90.550 deg. F
temperature	16	(86.510)	=	86.510 deg. F
temperature	17	(82.410)	=	82.410 deg. F
temperature	18	(77.960)	=	77.960 deg. F
temperature	19	(76.630)	=	76.630 deg. F
temperature	20	(75.030)	=	75.030 deg. F
temperature	21	(74.710)	=	74.710 deg. F
temperature	22	(73.750)	=	73.750 deg. F
temperature	23	(74.640)	=	74.640 deg. F
temperature	24	(73.450)	=	73.450 deg. F
temperature	25	(75.270)	=	75.270 deg. F
temperature	26	(74.130)	=	74.130 deg. F
temperature	27	(74.320)	=	74.320 deg. F
temperature	28	(72.330)	=	72.330 deg. F
temperature	29	(72.870)	=	72.870 deg. F
temperature	30	(73.450)	=	73.450 deg. F
dewpoint	1	(72.580)	=	72.580 deg. F , 0.3961 psia
dewpoint	2	(73.690)	=	73.690 deg. F , 0.4112 psia
dewpoint	3	(70.350)	=	70.350 deg. F , 0.3673 psia
dewpoint	4	(48.860)	=	48.860 deg. F , 0.1705 psia
dewpoint	5	(50.390)	=	50.390 deg. F , 0.1806 psia
dewpoint	6	(43.470)	=	43.470 deg. F , 0.1391 psia
pressure	1	(38.46280)	=	38.4628 psia
pressure	2	(38.46060)	=	38.4606 psia

weighted averages, volume and air mass

temperature	=	86.52299 deg. F
pressure	=	38.46280 psia
vapor pressure	=	0.28322 psia
volume	=	2841900 cu. ft.
dry air mass	=	536193.92 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 26

time = 0 date = 329

sensor		raw data		value
temperature	1	(97.340)	=	97.340 deg. F
temperature	2	(97.240)	=	97.240 deg. F
temperature	3	(96.860)	=	96.860 deg. F
temperature	4	(96.990)	=	96.990 deg. F
temperature	5	(96.900)	=	96.900 deg. F
temperature	6	(95.430)	=	95.430 deg. F
temperature	7	(94.850)	=	94.850 deg. F
temperature	8	(94.060)	=	94.060 deg. F
temperature	9	(93.200)	=	93.200 deg. F
temperature	10	(92.430)	=	92.430 deg. F
temperature	11	(92.230)	=	92.230 deg. F
temperature	12	(92.070)	=	92.070 deg. F
temperature	13	(91.240)	=	91.240 deg. F
temperature	14	(90.040)	=	90.040 deg. F
temperature	15	(88.880)	=	88.880 deg. F
temperature	16	(85.220)	=	85.220 deg. F
temperature	17	(81.350)	=	81.350 deg. F
temperature	18	(76.500)	=	76.500 deg. F
temperature	19	(74.890)	=	74.890 deg. F
temperature	20	(73.700)	=	73.700 deg. F
tem erature	21	(73.380)	=	73.380 deg. F
temperature	22	(72.480)	=	72.480 deg. F
temperature	23	(73.670)	=	73.670 deg. F
temperature	24	(72.140)	=	72.140 deg. F
temperature	25	(73.650)	=	73.650 deg. F
temperature	26	(73.300)	=	73.300 deg. F
temperature	27	(73.480)	=	73.480 deg. F
temperature	28	(71.920)	=	71.920 deg. F
temperature	29	(72.790)	=	72.790 deg. F
temperature	30	(72.460)	=	72.460 deg. F

dewpoint	1	(70.920)	=	70.920 deg. F	, 0.3745 psia
dewpoint	2	(73.100)	=	73.100 deg. F	, 0.4031 psia
dewpoint	3	(70.330)	=	70.330 deg. F	, 0.3670 psia
dewpoint	4	(47.750)	=	47.750 deg. F	, 0.1636 psia
dewpoint	5	(50.400)	=	50.400 deg. F	, 0.1806 psia
dewpoint	6	(48.670)	=	48.670 deg. F	, 0.1693 psia

pressure	1	(38.75400)	=	38.7540 psia
pressure	2	(38.75240)	=	38.7524 psia

weighted averages, volume and air mass

temperature	=	84.96774 deg. F
pressure	=	38.75400 psia
vapor pressure	=	0.28238 psia
volume	=	2841900 cu. ft.
dry air mass	=	541838.16 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 27

time = 15 date = 329

sensor		raw data		value
temperature	1	(93.270)	=	93.270 deg. F
temperature	2	(93.180)	=	93.180 deg. F
temperature	3	(92.900)	=	92.900 deg. F
temperature	4	(93.050)	=	93.050 deg. F
temperature	5	(93.190)	=	93.190 deg. F
temperature	6	(92.070)	=	92.070 deg. F
temperature	7	(91.570)	=	91.570 deg. F
temperature	8	(91.030)	=	91.030 deg. F
temperature	9	(90.080)	=	90.080 deg. F
temperature	10	(89.320)	=	89.320 deg. F
temperature	11	(89.110)	=	89.110 deg. F
temperature	12	(88.920)	=	88.920 deg. F
temperature	13	(88.280)	=	88.280 deg. F
temperature	14	(87.370)	=	87.370 deg. F
temperature	15	(86.030)	=	86.030 deg. F
temperature	16	(83.080)	=	83.080 deg. F
temperature	17	(79.540)	=	79.540 deg. F
temperature	18	(75.790)	=	75.790 deg. F
temperature	19	(74.480)	=	74.480 deg. F
temperature	20	(73.320)	=	73.320 deg. F
temperature	21	(73.010)	=	73.010 deg. F
temperature	22	(72.160)	=	72.160 deg. F
temperature	23	(73.410)	=	73.410 deg. F
temperature	24	(71.980)	=	71.980 deg. F
temperature	25	(73.470)	=	73.470 deg. F
temperature	26	(73.050)	=	73.050 deg. F
temperature	27	(73.330)	=	73.330 deg. F
temperature	28	(71.810)	=	71.810 deg. F
temperature	29	(72.730)	=	72.730 deg. F
temperature	30	(72.310)	=	72.310 deg. F
dewpoint	1	(70.920)	=	70.920 deg. F , 0.3745 psia
dewpoint	2	(72.020)	=	72.020 deg. F , 0.3887 psia
dewpoint	3	(70.370)	=	70.370 deg. F , 0.3675 psia
dewpoint	4	(49.130)	=	49.130 deg. F , 0.1723 psia
dewpoint	5	(50.300)	=	50.300 deg. F , 0.1800 psia
dewpoint	6	(49.510)	=	49.510 deg. F , 0.1747 psia
pressure	1	(38.62280)	=	38.6228 psia
pressure	2	(38.62190)	=	38.6219 psia

weighted averages, volume and air mass

temperature	=	82.95277 deg. F
pressure	=	38.62280 psia
vapor pressure	=	0.28215 psia
volume	=	2841900 cu. ft.
dry air mass	=	541998.76 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 28

time = 30 date = 329

sensor		raw data		value
temperature	1	(90.570)	=	90.570 deg. F
temperature	2	(90.380)	=	90.380 deg. F
temperature	3	(90.170)	=	90.170 deg. F
temperature	4	(90.450)	=	90.450 deg. F
temperature	5	(90.650)	=	90.650 deg. F
temperature	6	(89.530)	=	89.530 deg. F
temperature	7	(89.210)	=	89.210 deg. F
temperature	8	(89.030)	=	89.030 deg. F
temperature	9	(88.130)	=	88.130 deg. F
temperature	10	(87.290)	=	87.290 deg. F
temperature	11	(87.020)	=	87.020 deg. F
temperature	12	(86.730)	=	86.730 deg. F
temperature	13	(86.140)	=	86.140 deg. F
temperature	14	(85.210)	=	85.210 deg. F
temperature	15	(84.030)	=	84.030 deg. F
temperature	16	(81.610)	=	81.610 deg. F
temperature	17	(78.590)	=	78.590 deg. F
temperature	18	(75.300)	=	75.300 deg. F
temperature	19	(74.170)	=	74.170 deg. F
temperature	20	(73.090)	=	73.090 deg. F
temperature	21	(72.780)	=	72.780 deg. F
temperature	22	(71.900)	=	71.900 deg. F
temperature	23	(73.120)	=	73.120 deg. F
temperature	24	(71.640)	=	71.640 deg. F
temperature	25	(73.170)	=	73.170 deg. F
temperature	26	(72.760)	=	72.760 deg. F
temperature	27	(73.160)	=	73.160 deg. F
temperature	28	(71.540)	=	71.540 deg. F
temperature	29	(72.550)	=	72.550 deg. F
temperature	30	(72.020)	=	72.020 deg. F

dewpoint	1	(71.360)	=	71.360 deg. F	, 0.3801 psia
dewpoint	2	(72.240)	=	72.240 deg. F	, 0.3916 psia
dewpoint	3	(69.930)	=	69.930 deg. F	, 0.3621 psia
dewpoint	4	(49.710)	=	49.710 deg. F	, 0.1760 psia
dewpoint	5	(50.510)	=	50.510 deg. F	, 0.1814 psia
dewpoint	6	(49.940)	=	49.940 deg. F	, 0.1776 psia

pressure	1	(38.33040)	=	38.3304 psia
pressure	2	(38.32840)	=	38.3284 psia

weighted averages, volume and air mass

temperature	=	81.53532 deg. F
pressure	=	38.33040 psia
vapor pressure	=	0.28384 psia
volume	=	2841900 cu. ft.
dry air mass	=	539250.08 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 29

time = 45 date = 329

sensor	raw data	value
temperature 1	(87.360)	= 87.360 deg. F
temperature 2	(87.040)	= 87.040 deg. F
temperature 3	(86.770)	= 86.770 deg. F
temperature 4	(87.170)	= 87.170 deg. F
temperature 5	(87.330)	= 87.330 deg. F
temperature 6	(86.620)	= 86.620 deg. F
temperature 7	(86.440)	= 86.440 deg. F
temperature 8	(86.370)	= 86.370 deg. F
temperature 9	(85.570)	= 85.570 deg. F
temperature 10	(84.380)	= 84.380 deg. F
temperature 11	(83.970)	= 83.970 deg. F
temperature 12	(83.580)	= 83.580 deg. F
temperature 13	(83.050)	= 83.050 deg. F
temperature 14	(82.520)	= 82.520 deg. F
temperature 15	(81.220)	= 81.220 deg. F
temperature 16	(79.700)	= 79.700 deg. F
temperature 17	(77.030)	= 77.030 deg. F
temperature 18	(74.940)	= 74.940 deg. F
temperature 19	(73.830)	= 73.830 deg. F
temperature 20	(72.780)	= 72.780 deg. F
temperature 21	(72.570)	= 72.570 deg. F
temperature 22	(71.910)	= 71.910 deg. F
temperature 23	(72.980)	= 72.980 deg. F
temperature 24	(71.650)	= 71.650 deg. F
temperature 25	(73.220)	= 73.220 deg. F
temperature 26	(72.680)	= 72.680 deg. F
temperature 27	(73.150)	= 73.150 deg. F
temperature 28	(71.580)	= 71.580 deg. F
temperature 29	(72.550)	= 72.550 deg. F
temperature 30	(72.040)	= 72.040 deg. F
dewpoint 1	(70.810)	= 70.810 deg. F , 0.3731 psia
dewpoint 2	(71.080)	= 71.080 deg. F , 0.3765 psia
dewpoint 3	(69.600)	= 69.600 deg. F , 0.3580 psia
dewpoint 4	(49.960)	= 49.960 deg. F , 0.1777 psia
dewpoint 5	(50.640)	= 50.640 deg. F , 0.1822 psia
dewpoint 6	(50.210)	= 50.210 deg. F , 0.1794 psia
pressure 1	(37.86490)	= 37.8649 psia
pressure 2	(37.86320)	= 37.8632 psia

weighted averages, volume and air mass

temperature	=	79.77393 deg. F
pressure	=	37.86490 psia
vapor pressure	=	0.27986 psia
volume	=	2841900 cu. ft.
dry air mass	=	534448.10 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 30

time = 100 date = 329

sensor		raw data		value
temperature	1	(86.670)	=	86.670 deg. F
temperature	2	(86.380)	=	86.380 deg. F
temperature	3	(86.080)	=	86.080 deg. F
temperature	4	(86.530)	=	86.530 deg. F
temperature	5	(86.650)	=	86.650 deg. F
temperature	6	(86.070)	=	86.070 deg. F
temperature	7	(85.940)	=	85.940 deg. F
temperature	8	(85.900)	=	85.900 deg. F
temperature	9	(85.330)	=	85.330 deg. F
temperature	10	(83.700)	=	83.700 deg. F
temperature	11	(83.140)	=	83.140 deg. F
temperature	12	(82.670)	=	82.670 deg. F
temperature	13	(82.240)	=	82.240 deg. F
temperature	14	(81.710)	=	81.710 deg. F
temperature	15	(80.670)	=	80.670 deg. F
temperature	16	(79.430)	=	79.430 deg. F
temperature	17	(77.230)	=	77.230 deg. F
temperature	18	(74.770)	=	74.770 deg. F
temperature	19	(74.000)	=	74.000 deg. F
temperature	20	(72.970)	=	72.970 deg. F
temperature	21	(72.660)	=	72.660 deg. F
temperature	22	(71.890)	=	71.890 deg. F
temperature	23	(72.990)	=	72.990 deg. F
temperature	24	(71.780)	=	71.780 deg. F
temperature	25	(73.220)	=	73.220 deg. F
temperature	26	(72.680)	=	72.680 deg. F
temperature	27	(73.090)	=	73.090 deg. F
temperature	28	(71.530)	=	71.530 deg. F
temperature	29	(72.590)	=	72.590 deg. F
temperature	30	(72.040)	=	72.040 deg. F

dewpoint	1	(70.370)	=	70.370 deg. F	, 0.3675 psia
dewpoint	2	(71.450)	=	71.450 deg. F	, 0.3813 psia
dewpoint	3	(68.860)	=	68.860 deg. F	, 0.3490 psia
dewpoint	4	(50.410)	=	50.410 deg. F	, 0.1807 psia
dewpoint	5	(51.020)	=	51.020 deg. F	, 0.1848 psia
dewpoint	6	(50.580)	=	50.580 deg. F	, 0.1818 psia

pressure	1	(37.84420)	=	37.8442 psia
pressure	2	(37.84240)	=	37.8424 psia

weighted averages, volume and air mass

temperature	=	79.43780 deg. F
pressure	=	37.84420 psia
vapor pressure	=	0.27949 psia
volume	=	2841900 cu. ft.
dry air mass	=	534492.07 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 31

time = 115 date = 329

sensor		raw data		value
temperature	1	(86.220)	=	86.220 deg. F
temperature	2	(85.910)	=	85.910 deg. F
temperature	3	(85.670)	=	85.670 deg. F
temperature	4	(86.050)	=	86.050 deg. F
temperature	5	(86.250)	=	86.250 deg. F
temperature	6	(85.720)	=	85.720 deg. F
temperature	7	(85.550)	=	85.550 deg. F
temperature	8	(85.560)	=	85.560 deg. F
temperature	9	(85.040)	=	85.040 deg. F
temperature	10	(83.260)	=	83.260 deg. F
temperature	11	(82.610)	=	82.610 deg. F
temperature	12	(82.090)	=	82.090 deg. F
temperature	13	(81.730)	=	81.730 deg. F
temperature	14	(81.220)	=	81.220 deg. F
temperature	15	(80.360)	=	80.360 deg. F
temperature	16	(79.250)	=	79.250 deg. F
temperature	17	(77.200)	=	77.200 deg. F
temperature	18	(74.720)	=	74.720 deg. F
temperature	19	(73.980)	=	73.980 deg. F
temperature	20	(72.950)	=	72.950 deg. F
temperature	21	(72.570)	=	72.570 deg. F
temperature	22	(71.840)	=	71.840 deg. F
temperature	23	(72.900)	=	72.900 deg. F
temperature	24	(71.690)	=	71.690 deg. F
temperature	25	(73.190)	=	73.190 deg. F
temperature	26	(72.620)	=	72.620 deg. F
temperature	27	(73.040)	=	73.040 deg. F
temperature	28	(71.470)	=	71.470 deg. F
temperature	29	(72.550)	=	72.550 deg. F
temperature	30	(71.980)	=	71.980 deg. F

dewpoint	1	(70.500)	=	70.500 deg. F	, 0.3692 psia
dewpoint	2	(71.180)	=	71.180 deg. F	, 0.3778 psia
dewpoint	3	(68.620)	=	68.620 deg. F	, 0.3462 psia
dewpoint	4	(50.830)	=	50.830 deg. F	, 0.1835 psia
dewpoint	5	(51.430)	=	51.430 deg. F	, 0.1877 psia
dewpoint	6	(50.990)	=	50.990 deg. F	, 0.1846 psia

pressure	1	(37.82230)	=	37.8223 psia
pressure	2	(37.82050)	=	37.8205 psia

weighted averages, volume and air mass

temperature	=	79.18169 deg. F
pressure	=	37.82230 psia
vapor pressure	=	0.27986 psia
volume	=	2841900 cu. ft.
dry air mass	=	534429.09 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 32

time = 130 date = 329

sensor		raw data		value
temperature	1	(85.830)	=	85.830 deg. F
temperature	2	(85.510)	=	85.510 deg. F
temperature	3	(85.250)	=	85.250 deg. F
temperature	4	(85.650)	=	85.650 deg. F
temperature	5	(85.830)	=	85.830 deg. F
temperature	6	(85.340)	=	85.340 deg. F
temperature	7	(85.190)	=	85.190 deg. F
temperature	8	(85.260)	=	85.260 deg. F
temperature	9	(84.730)	=	84.730 deg. F
temperature	10	(82.890)	=	82.890 deg. F
temperature	11	(82.170)	=	82.170 deg. F
temperature	12	(81.620)	=	81.620 deg. F
temperature	13	(81.240)	=	81.240 deg. F
temperature	14	(80.760)	=	80.760 deg. F
temperature	15	(80.050)	=	80.050 deg. F
temperature	16	(79.040)	=	79.040 deg. F
temperature	17	(77.030)	=	77.030 deg. F
temperature	18	(74.600)	=	74.600 deg. F
temperature	19	(73.850)	=	73.850 deg. F
temperature	20	(72.850)	=	72.850 deg. F
temperature	21	(72.540)	=	72.540 deg. F
temperature	22	(71.870)	=	71.870 deg. F
temperature	23	(72.820)	=	72.820 deg. F
temperature	24	(71.650)	=	71.650 deg. F
temperature	25	(73.150)	=	73.150 deg. F
temperature	26	(72.550)	=	72.550 deg. F
temperature	27	(72.960)	=	72.960 deg. F
temperature	28	(71.420)	=	71.420 deg. F
temperature	29	(72.530)	=	72.530 deg. F
temperature	30	(71.950)	=	71.950 deg. F
dewpoint	1	(70.430)	=	70.430 deg. F , 0.3683 psia
dewpoint	2	(71.020)	=	71.020 deg. F , 0.3757 psia
dewpoint	3	(68.520)	=	68.520 deg. F , 0.3450 psia
dewpoint	4	(51.100)	=	51.100 deg. F , 0.1854 psia
dewpoint	5	(51.740)	=	51.740 deg. F , 0.1898 psia
dewpoint	6	(51.250)	=	51.250 deg. F , 0.1864 psia
pressure	1	(37.80180)	=	37.8018 psia
pressure	2	(37.80010)	=	37.8001 psia

weighted averages, volume and air mass

temperature	=	78.93436 deg. F
pressure	=	37.80180 psia
vapor pressure	=	0.28001 psia
volume	=	2841900 cu. ft.
dry air mass	=	534380.41 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 33

time = 145 date = 329

sensor	raw data	value
temperature 1	(85.270)	= 85.270 deg. F
temperature 2	(84.970)	= 84.970 deg F
temperature 3	(84.720)	= 84.720 deg. F
temperature 4	(85.160)	= 85.160 deg. F
temperature 5	(85.320)	= 85.320 deg. F
temperature 6	(84.700)	= 84.700 deg. F
temperature 7	(84.680)	= 84.680 deg. F
temperature 8	(84.800)	= 84.800 deg. F
temperature 9	(84.270)	= 84.270 deg. F
temperature 10	(82.430)	= 82.430 deg. F
temperature 11	(81.650)	= 81.650 deg. F
temperature 12	(81.120)	= 81.120 deg. F
temperature 13	(80.660)	= 80.660 deg. F
temperature 14	(80.270)	= 80.270 deg. F
temperature 15	(79.640)	= 79.640 deg. F
temperature 16	(78.720)	= 78.720 deg. F
temperature 17	(76.710)	= 76.710 deg. F
temperature 18	(74.390)	= 74.390 deg. F
temperature 19	(73.510)	= 73.510 deg. F
temperature 20	(72.460)	= 72.460 deg. F
temperature 21	(72.220)	= 72.220 deg. F
temperature 22	(71.520)	= 71.520 deg. F
temperature 23	(72.540)	= 72.540 deg. F
temperature 24	(71.370)	= 71.370 deg. F
temperature 25	(72.840)	= 72.840 deg. F
temperature 26	(72.250)	= 72.250 deg. F
temperature 27	(72.680)	= 72.680 deg. F
temperature 28	(71.240)	= 71.240 deg. F
temperature 29	(72.260)	= 72.260 deg. F
temperature 30	(71.610)	= 71.610 deg. F
dewpoint 1	(70.190)	= 70.190 deg. F , 0.3653 psia
dewpoint 2	(70.700)	= 70.700 deg. F , 0.3717 psia
dewpoint 3	(68.240)	= 68.240 deg. F , 0.3417 psia
dewpoint 4	(51.230)	= 51.230 deg. F , 0.1863 psia
dewpoint 5	(51.810)	= 51.810 deg. F , 0.1903 psia
dewpoint 6	(51.390)	= 51.390 deg. F , 0.1874 psia
pressure 1	(37.51720)	= 37.5172 psia
pressure 2	(37.51550)	= 37.5155 psia

weighted averages, volume and air mass

temperature	=	78.52341 deg. F
pressure	=	37.51720 psia
vapor pressure	=	0.27855 psia
volume	=	2841900 cu. ft.
dry air mass	=	530752.98 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 34

time = 200 date = 329

sensor		raw data		value
temperature	1	(82.020)	=	82.020 deg. F
temperature	2	(81.610)	=	81.610 deg. F
temperature	3	(81.180)	=	81.180 deg. F
temperature	4	(81.480)	=	81.480 deg. F
temperature	5	(81.800)	=	81.800 deg. F
temperature	6	(81.270)	=	81.270 deg. F
temperature	7	(81.350)	=	81.350 deg. F
temperature	8	(81.530)	=	81.530 deg. F
temperature	9	(81.360)	=	81.360 deg. F
temperature	10	(79.250)	=	79.250 deg. F
temperature	11	(78.210)	=	78.210 deg. F
temperature	12	(77.700)	=	77.700 deg. F
temperature	13	(77.180)	=	77.180 deg. F
temperature	14	(77.270)	=	77.270 deg. F
temperature	15	(76.370)	=	76.370 deg. F
temperature	16	(76.220)	=	76.220 deg. F
temperature	17	(74.730)	=	74.730 deg. F
temperature	18	(73.770)	=	73.770 deg. F
temperature	19	(72.440)	=	72.440 deg. F
temperature	20	(71.630)	=	71.630 deg. F
temperature	21	(71.810)	=	71.810 deg. F
temperature	22	(71.030)	=	71.030 deg. F
temperature	23	(72.250)	=	72.250 deg. F
temperature	24	(70.870)	=	70.870 deg. F
temperature	25	(72.760)	=	72.760 deg. F
temperature	26	(71.870)	=	71.870 deg. F
temperature	27	(72.460)	=	72.460 deg. F
temperature	28	(71.140)	=	71.140 deg. F
temperature	29	(71.960)	=	71.960 deg. F
temperature	30	(71.380)	=	71.380 deg. F

dewpoint	1	(69.480)	=	69.480 deg. F , 0.3565 psia
dewpoint	2	(69.960)	=	69.960 deg. F , 0.3624 psia
dewpoint	3	(67.260)	=	67.260 deg. F , 0.3304 psia
dewpoint	4	(51.010)	=	51.010 deg. F , 0.1848 psia
dewpoint	5	(51.510)	=	51.510 deg. F , 0.1882 psia
dewpoint	6	(51.270)	=	51.270 deg. F , 0.1865 psia

pressure	1	(36.57610)	=	36.5761 psia
pressure	2	(36.57440)	=	36.5744 psia

weighted averages, volume and air mass

temperature	=	76.41199 deg. F
pressure	=	36.57610 psia
vapor pressure	=	0.27266 psia
volume	=	2841900 cu. ft.
dry air mass	=	519461.55 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 35

time = 215 date = 329

sensor		raw data		value
temperature	1	(83.060)	=	83.060 deg. F
temperature	2	(82.520)	=	82.520 deg. F
temperature	3	(82.200)	=	82.200 deg. F
temperature	4	(82.550)	=	82.550 deg. F
temperature	5	(82.590)	=	82.590 deg. F
temperature	6	(82.210)	=	82.210 deg. F
temperature	7	(82.010)	=	82.010 deg. F
temperature	8	(82.280)	=	82.280 deg. F
temperature	9	(81.820)	=	81.820 deg. F
temperature	10	(79.250)	=	79.250 deg. F
temperature	11	(78.010)	=	78.010 deg. F
temperature	12	(77.520)	=	77.520 deg. F
temperature	13	(77.090)	=	77.090 deg. F
temperature	14	(76.940)	=	76.940 deg. F
temperature	15	(76.680)	=	76.680 deg. F
temperature	16	(76.210)	=	76.210 deg. F
temperature	17	(75.510)	=	75.510 deg. F
temperature	18	(74.020)	=	74.020 deg. F
temperature	19	(73.520)	=	73.520 deg. F
temperature	20	(72.510)	=	72.510 deg. F
temperature	21	(72.300)	=	72.300 deg. F
temperature	22	(71.740)	=	71.740 deg. F
temperature	23	(72.490)	=	72.490 deg. F
temperature	24	(71.530)	=	71.530 deg. F
temperature	25	(72.990)	=	72.990 deg. F
temperature	26	(72.290)	=	72.290 deg. F
temperature	27	(72.780)	=	72.780 deg. F
temperature	28	(71.320)	=	71.320 deg. F
temperature	29	(72.390)	=	72.390 deg. F
temperature	30	(71.710)	=	71.710 deg. F
dewpoint	1	(69.460)	=	69.460 deg. F , 0.3563 psia
dewpoint	2	(69.880)	=	69.880 deg. F , 0.3614 psia
dewpoint	3	(66.340)	=	66.340 deg. F , 0.3200 psia
dewpoint	4	(51.530)	=	51.530 deg. F , 0.1883 psia
dewpoint	5	(52.070)	=	52.070 deg. F , 0.1921 psia
dewpoint	6	(51.850)	=	51.850 deg. F , 0.1906 psia
pressure	1	(36.62890)	=	36.6289 psia
pressure	2	(36.62720)	=	36.6272 psia

weighted averages, volume and air mass

temperature	=	76.86278 deg. F
pressure	=	36.62890 psia
vapor pressure	=	0.27228 psia
volume	=	2841900 cu. ft.
dry air mass	=	519785.44 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 36

time = 230 date = 329

sensor		raw data		value
temperature	1	(83.590)	=	83.590 deg. F
temperature	2	(83.070)	=	83.070 deg. F
temperature	3	(82.790)	=	82.790 deg. F
temperature	4	(83.140)	=	83.140 deg. F
temperature	5	(83.160)	=	83.160 deg. F
temperature	6	(82.840)	=	82.840 deg. F
temperature	7	(82.530)	=	82.530 deg. F
temperature	8	(82.840)	=	82.840 deg. F
temperature	9	(82.360)	=	82.360 deg. F
temperature	10	(79.630)	=	79.630 deg. F
temperature	11	(78.360)	=	78.360 deg. F
temperature	12	(77.870)	=	77.870 deg. F
temperature	13	(77.550)	=	77.550 deg. F
temperature	14	(77.480)	=	77.480 deg. F
temperature	15	(76.990)	=	76.990 deg. F
temperature	16	(76.690)	=	76.690 deg. F
temperature	17	(75.720)	=	75.720 deg. F
temperature	18	(74.040)	=	74.040 deg. F
temperature	19	(73.560)	=	73.560 deg. F
temperature	20	(72.490)	=	72.490 deg. F
temperature	21	(72.270)	=	72.270 deg. F
temperature	22	(71.750)	=	71.750 deg. F
temperature	23	(72.480)	=	72.480 deg. F
temperature	24	(71.520)	=	71.520 deg. F
temperature	25	(72.950)	=	72.950 deg. F
temperature	26	(72.260)	=	72.260 deg. F
temperature	27	(72.760)	=	72.760 deg. F
temperature	28	(71.280)	=	71.280 deg. F
temperature	29	(72.380)	=	72.380 deg. F
temperature	30	(71.720)	=	71.720 deg. F

dewpoint	1	(69.470)	=	69.470 deg. F	, 0.3564 psia
dewpoint	2	(69.890)	=	69.890 deg. F	, 0.3616 psia
dewpoint	3	(65.410)	=	65.410 deg. F	, 0.3098 psia
dewpoint	4	(51.960)	=	51.960 deg. F	, 0.1914 psia
dewpoint	5	(52.590)	=	52.590 deg. F	, 0.1959 psia
dewpoint	6	(52.210)	=	52.210 deg. F	, 0.1931 psia

pressure	1	(36.64620)	=	36.6462 psia
pressure	2	(36.64460)	=	36.6446 psia

weighted averages, volume and air mass

temperature	=	77.14767 deg. F
pressure	=	36.64620 psia
vapor pressure	=	0.27181 psia
volume	=	2841900 cu. ft.
dry air mass	=	519763.51 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 37

time = 245 date = 329

sensor		raw data		value
temperature	1	(86.940)	=	86.940 deg. F
temperature	2	(86.240)	=	86.240 deg. F
temperature	3	(86.290)	=	86.290 deg. F
temperature	4	(85.830)	=	85.830 deg. F
temperature	5	(85.900)	=	85.900 deg. F
temperature	6	(85.920)	=	85.920 deg. F
temperature	7	(85.560)	=	85.560 deg. F
temperature	8	(85.620)	=	85.620 deg. F
temperature	9	(84.250)	=	84.250 deg. F
temperature	10	(81.870)	=	81.870 deg. F
temperature	11	(80.770)	=	80.770 deg. F
temperature	12	(80.500)	=	80.500 deg. F
temperature	13	(80.470)	=	80.470 deg. F
temperature	14	(79.810)	=	79.810 deg. F
temperature	15	(79.480)	=	79.480 deg. F
temperature	16	(78.780)	=	78.780 deg. F
temperature	17	(77.980)	=	77.980 deg. F
temperature	18	(75.690)	=	75.690 deg. F
temperature	19	(75.350)	=	75.350 deg. F
temperature	20	(73.680)	=	73.680 deg. F
temperature	21	(73.600)	=	73.600 deg. F
temperature	22	(72.920)	=	72.920 deg. F
temperature	23	(73.410)	=	73.410 deg. F
temperature	24	(72.670)	=	72.670 deg. F
temperature	25	(74.330)	=	74.330 deg. F
temperature	26	(73.130)	=	73.130 deg. F
temperature	27	(73.320)	=	73.320 deg. F
temperature	28	(71.730)	=	71.730 deg. F
temperature	29	(71.970)	=	71.970 deg. F
temperature	30	(72.590)	=	72.590 deg. F
dewpoint	1	(70.510)	=	70.510 deg. F , 0.3693 psia
dewpoint	2	(70.830)	=	70.830 deg. F , 0.3733 psia
dewpoint	3	(67.460)	=	67.460 deg. F , 0.3326 psia
dewpoint	4	(53.010)	=	53.010 deg. F , 0.1989 psia
dewpoint	5	(53.430)	=	53.430 deg. F , 0.2020 psia
dewpoint	6	(47.530)	=	47.530 deg. F , 0.1622 psia
pressure	1	(37.90500)	=	37.9050 psia
pressure	2	(37.90660)	=	37.9066 psia

weighted averages, volume and air mass

temperature	=	79.14525 deg. F
pressure	=	37.90500 psia
vapor pressure	=	0.27704 psia
volume	=	2841900 cu. ft.
dry air mass	=	535682.79 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 38

time = 300 date = 329

sensor		raw data		value
temperature	1	(90.710)	=	90.710 deg. F
temperature	2	(90.560)	=	90.560 deg. F
temperature	3	(90.320)	=	90.320 deg. F
temperature	4	(90.130)	=	90.130 deg. F
temperature	5	(90.350)	=	90.350 deg. F
temperature	6	(89.570)	=	89.570 deg. F
temperature	7	(88.910)	=	88.910 deg. F
temperature	8	(88.290)	=	88.290 deg. F
temperature	9	(86.990)	=	86.990 deg. F
temperature	10	(85.780)	=	85.780 deg. F
temperature	11	(85.530)	=	85.530 deg. F
temperature	12	(84.580)	=	84.580 deg. F
temperature	13	(84.260)	=	84.260 deg. F
temperature	14	(83.670)	=	83.670 deg. F
temperature	15	(83.060)	=	83.060 deg. F
temperature	16	(81.870)	=	81.870 deg. F
temperature	17	(79.350)	=	79.350 deg. F
temperature	18	(76.230)	=	76.230 deg. F
temperature	19	(75.680)	=	75.680 deg. F
temperature	20	(73.810)	=	73.810 deg. F
temperature	21	(73.720)	=	73.720 deg. F
temperature	22	(72.960)	=	72.960 deg. F
temperature	23	(73.520)	=	73.520 deg. F
temperature	24	(72.670)	=	72.670 deg. F
temperature	25	(74.360)	=	74.360 deg. F
temperature	26	(73.210)	=	73.210 deg. F
temperature	27	(73.360)	=	73.360 deg. F
temperature	28	(71.700)	=	71.700 deg. F
temperature	29	(72.080)	=	72.080 deg. F
temperature	30	(72.610)	=	72.610 deg. F

dewpoint	1	(71.530)	=	71.530 deg. F	, 0.3823 psia
dewpoint	2	(71.170)	=	71.170 deg. F	, 0.3777 psia
dewpoint	3	(66.840)	=	66.840 deg. F	, 0.3256 psia
dewpoint	4	(52.590)	=	52.590 deg. F	, 0.1959 psia
dewpoint	5	(53.190)	=	53.190 deg. F	, 0.2002 psia
dewpoint	6	(46.640)	=	46.640 deg. F	, 0.1569 psia

pressure	1	(39.38560)	=	39.3856 psia
pressure	2	(39.38190)	=	39.3819 psia

weighted averages, volume and air mass

temperature	=	81.38250 deg. F
pressure	=	39.38560 psia
vapor pressure	=	0.27680 psia
volume	=	2841900 cu. ft.
dry air mass	=	554462.18 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 39

time = 315 date = 320

sensor		raw data		value
temperature	1	(93.060)	=	93.060 deg. F
temperature	2	(92.940)	=	92.940 deg. F
temperature	3	(92.670)	=	92.670 deg. F
temperature	4	(92.730)	=	92.730 deg. F
temperature	5	(92.580)	=	92.580 deg. F
temperature	6	(91.490)	=	91.490 deg. F
temperature	7	(90.850)	=	90.850 deg. F
temperature	8	(90.050)	=	90.050 deg. F
temperature	9	(89.280)	=	89.280 deg. F
temperature	10	(88.830)	=	88.830 deg. F
temperature	11	(88.140)	=	88.140 deg. F
temperature	12	(87.780)	=	87.780 deg. F
temperature	13	(87.480)	=	87.480 deg. F
temperature	14	(85.790)	=	85.790 deg. F
temperature	15	(85.280)	=	85.280 deg. F
temperature	16	(83.160)	=	83.160 deg. F
temperature	17	(79.880)	=	79.880 deg. F
temperature	18	(76.210)	=	76.210 deg. F
temperature	19	(75.610)	=	75.610 deg. F
temperature	20	(73.710)	=	73.710 deg. F
temperature	21	(73.680)	=	73.680 deg. F
temperature	22	(72.880)	=	72.880 deg. F
temperature	23	(73.500)	=	73.500 deg. F
temperature	24	(72.690)	=	72.690 deg. F
temperature	25	(74.290)	=	74.290 deg. F
temperature	26	(73.150)	=	73.150 deg. F
temperature	27	(73.350)	=	73.350 deg. F
temperature	28	(71.720)	=	71.720 deg. F
temperature	29	(71.970)	=	71.970 deg. F
temperature	30	(72.610)	=	72.610 deg. F

dewpoint	1	(71.200)	=	71.200 deg. F	, 0.3780 psia
dewpoint	2	(67.960)	=	67.960 deg. F	, 0.3384 psia
dewpoint	3	(70.950)	=	70.950 deg. F	, 0.3749 psia
dewpoint	4	(52.080)	=	52.080 deg. F	, 0.1922 psia
dewpoint	5	(53.340)	=	53.340 deg. F	, 0.2013 psia
dewpoint	6	(46.940)	=	46.940 deg. F	, 0.1587 psia

pressure	1	(40.79900)	=	40.7990 psia
pressure	2	(40.80010)	=	40.8001 psia

weighted averages, volume and air mass

temperature	=	82.71729 deg. F
pressure	=	40.79900 psia
vapor pressure	=	0.27789 psia
volume	=	2841900 cu. ft.
dry air mass	=	573071.29 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 40

time = 330 date = 329

sensor		raw data		value
temperature	1	(94.870)	=	94.870 deg. F
temperature	2	(94.470)	=	94.470 deg. F
temperature	3	(94.020)	=	94.020 deg. F
temperature	4	(94.230)	=	94.230 deg. F
temperature	5	(94.130)	=	94.130 deg. F
temperature	6	(92.620)	=	92.620 deg. F
temperature	7	(92.240)	=	92.240 deg. F
temperature	8	(91.560)	=	91.560 deg. F
temperature	9	(90.750)	=	90.750 deg. F
temperature	10	(90.600)	=	90.600 deg. F
temperature	11	(89.830)	=	89.830 deg. F
temperature	12	(89.540)	=	89.540 deg. F
temperature	13	(88.920)	=	88.920 deg. F
temperature	14	(87.360)	=	87.360 deg. F
temperature	15	(86.670)	=	86.670 deg. F
temperature	16	(83.690)	=	83.690 deg. F
temperature	17	(80.140)	=	80.140 deg. F
temperature	18	(76.170)	=	76.170 deg. F
temperature	19	(75.530)	=	75.530 deg. F
temperature	20	(73.890)	=	73.890 deg. F
temperature	21	(73.700)	=	73.700 deg. F
temperature	22	(72.820)	=	72.820 deg. F
temperature	23	(73.450)	=	73.450 deg. F
temperature	24	(72.660)	=	72.660 deg. F
temperature	25	(74.200)	=	74.200 deg. F
temperature	26	(73.130)	=	73.130 deg. F
temperature	27	(73.200)	=	73.200 deg. F
temperature	28	(71.640)	=	71.640 deg. F
temperature	29	(71.870)	=	71.870 deg. F
temperature	30	(72.580)	=	72.580 deg. F
dewpoint	1	(71.210)	=	71.210 deg. F , 0.3782 psia
dewpoint	2	(70.840)	=	70.840 deg. F , 0.3735 psia
dewpoint	3	(70.080)	=	70.080 deg. F , 0.3639 psia
dewpoint	4	(51.890)	=	51.890 deg. F , 0.1909 psia
dewpoint	5	(53.500)	=	53.500 deg. F , 0.2025 psia
dewpoint	6	(47.190)	=	47.190 deg. F , 0.1602 psia
pressure	1	(42.18750)	=	42.1875 psia
pressure	2	(42.18480)	=	42.1848 psia

weighted averages, volume and air mass

temperature	=	83.53477 deg. F
pressure	=	42.18750 psia
vapor pressure	=	0.28262 psia
volume	=	2841900 cu. ft.
dry air mass	=	591749.50 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 41

time = 345 date = 329

sensor		raw data		value
temperature	1	(95.900)	=	95.900 deg. F
temperature	2	(95.540)	=	95.540 deg. F
temperature	3	(95.060)	=	95.060 deg. F
temperature	4	(95.210)	=	95.210 deg. F
temperature	5	(95.160)	=	95.160 deg. F
temperature	6	(93.660)	=	93.660 deg. F
temperature	7	(93.220)	=	93.220 deg. F
temperature	8	(92.620)	=	92.620 deg. F
temperature	9	(91.690)	=	91.690 deg. F
temperature	10	(91.460)	=	91.460 deg. F
temperature	11	(90.700)	=	90.700 deg. F
temperature	12	(90.470)	=	90.470 deg. F
temperature	13	(90.030)	=	90.030 deg. F
temperature	14	(88.330)	=	88.330 deg. F
temperature	15	(87.550)	=	87.550 deg. F
temperature	16	(84.010)	=	84.010 deg. F
temperature	17	(80.230)	=	80.230 deg. F
temperature	18	(76.090)	=	76.090 deg. F
temperature	19	(75.430)	=	75.430 deg. F
temperature	20	(73.680)	=	73.680 deg. F
temperature	21	(73.560)	=	73.560 deg. F
temperature	22	(72.740)	=	72.740 deg. F
temperature	23	(73.420)	=	73.420 deg. F
temperature	24	(72.620)	=	72.620 deg. F
temperature	25	(74.140)	=	74.140 deg. F
temperature	26	(73.080)	=	73.080 deg. F
temperature	27	(73.130)	=	73.130 deg. F
temperature	28	(71.650)	=	71.650 deg. F
temperature	29	(71.820)	=	71.820 deg. F
temperature	30	(72.540)	=	72.540 deg. F
dewpoint	1	(71.110)	=	71.110 deg. F , 0.3769 psia
dewpoint	2	(72.920)	=	72.920 deg. F , 0.4007 psia
dewpoint	3	(71.000)	=	71.000 deg. F , 0.3755 psia
dewpoint	4	(51.830)	=	51.830 deg. F , 0.1904 psia
dewpoint	5	(53.510)	=	53.510 deg. F , 0.2026 psia
dewpoint	6	(49.220)	=	49.220 deg. F , 0.1729 psia
pressure	1	(43.55140)	=	43.5514 psia
pressure	2	(43.54850)	=	43.5485 psia

weighted averages, volume and air mass

temperature	=	84.04104 deg. F
pressure	=	43.55140 psia
vapor pressure	=	0.29190 psia
volume	=	2841900 cu. ft.
dry air mass	=	610309.63 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 42

time = 400 date = 329

sensor		raw data		value
temperature	1	(96.360)	=	96.360 deg. F
temperature	2	(96.180)	=	96.180 deg. F
temperature	3	(95.690)	=	95.690 deg. F
temperature	4	(96.060)	=	96.060 deg. F
temperature	5	(95.940)	=	95.940 deg. F
temperature	6	(94.310)	=	94.310 deg. F
temperature	7	(93.880)	=	93.880 deg. F
temperature	8	(93.270)	=	93.270 deg. F
temperature	9	(92.310)	=	92.310 deg. F
temperature	10	(92.080)	=	92.080 deg. F
temperature	11	(91.390)	=	91.390 deg. F
temperature	12	(91.180)	=	91.180 deg. F
temperature	13	(90.530)	=	90.530 deg. F
temperature	14	(89.090)	=	89.090 deg. F
temperature	15	(88.200)	=	88.200 deg. F
temperature	16	(84.090)	=	84.090 deg. F
temperature	17	(80.380)	=	80.380 deg. F
temperature	18	(76.110)	=	76.110 deg. F
temperature	19	(75.300)	=	75.300 deg. F
temperature	20	(73.610)	=	73.610 deg. F
temperature	21	(73.390)	=	73.390 deg. F
temperature	22	(72.640)	=	72.640 deg. F
temperature	23	(73.360)	=	73.360 deg. F
temperature	24	(72.380)	=	72.380 deg. F
temperature	25	(74.080)	=	74.080 deg. F
temperature	26	(73.010)	=	73.010 deg. F
temperature	27	(73.090)	=	73.090 deg. F
temperature	28	(71.640)	=	71.640 deg. F
temperature	29	(71.770)	=	71.770 deg. F
temperature	30	(72.490)	=	72.490 deg. F
dewpoint	1	(71.380)	=	71.380 deg. F , 0.3804 psia
dewpoint	2	(72.980)	=	72.980 deg. F , 0.4015 psia
dewpoint	3	(70.610)	=	70.610 deg. F , 0.3705 psia
dewpoint	4	(51.750)	=	51.750 deg. F , 0.1899 psia
dewpoint	5	(53.560)	=	53.560 deg. F , 0.2030 psia
dewpoint	6	(48.660)	=	48.660 deg. F , 0.1693 psia
pressure	1	(44.90070)	=	44.9007 psia
pressure	2	(44.89970)	=	44.8997 psia

weighted averages, volume and air mass

temperature	=	84.37334 deg. F
pressure	=	44.90070 psia
vapor pressure	=	0.29096 psia
volume	=	2841900 cu. ft.
dry air mass	=	628974.52 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 43

time = 415 date = 329

sensor		raw data		value
temperature	1	(96.980)	=	96.980 deg. F
temperature	2	(96.650)	=	96.650 deg. F
temperature	3	(96.330)	=	96.330 deg. F
temperature	4	(96.350)	=	96.350 deg. F
temperature	5	(96.410)	=	96.410 deg. F
temperature	6	(94.680)	=	94.680 deg. F
temperature	7	(94.340)	=	94.340 deg. F
temperature	8	(93.710)	=	93.710 deg. F
temperature	9	(92.640)	=	92.640 deg. F
temperature	10	(92.410)	=	92.410 deg. F
temperature	11	(91.850)	=	91.850 deg. F
temperature	12	(91.580)	=	91.580 deg. F
temperature	13	(91.090)	=	91.090 deg. F
temperature	14	(89.460)	=	89.460 deg. F
temperature	15	(88.530)	=	88.530 deg. F
temperature	16	(84.230)	=	84.230 deg. F
temperature	17	(80.440)	=	80.440 deg. F
temperature	18	(76.010)	=	76.010 deg. F
temperature	19	(75.280)	=	75.280 deg. F
temperature	20	(73.540)	=	73.540 deg. F
temperature	21	(73.390)	=	73.390 deg. F
temperature	22	(72.580)	=	72.580 deg. F
temperature	23	(73.450)	=	73.450 deg. F
temperature	24	(72.460)	=	72.460 deg. F
temperature	25	(73.970)	=	73.970 deg. F
temperature	26	(73.040)	=	73.040 deg. F
temperature	27	(73.200)	=	73.200 deg. F
temperature	28	(71.600)	=	71.600 deg. F
temperature	29	(71.830)	=	71.830 deg. F
temperature	30	(72.520)	=	72.520 deg. F
dewpoint	1	(72.200)	=	72.200 deg. F , 0.3911 psia
dewpoint	2	(73.460)	=	73.460 deg. F , 0.4080 psia
dewpoint	3	(70.690)	=	70.690 deg. F , 0.3716 psia
dewpoint	4	(51.580)	=	51.580 deg. F , 0.1887 psia
dewpoint	5	(53.470)	=	53.470 deg. F , 0.2023 psia
dewpoint	6	(47.920)	=	47.920 deg. F , 0.1646 psia
pressure	1	(46.24490)	=	46.2449 psia
pressure	2	(46.24590)	=	46.2459 psia

weighted averages, volume and air mass

temperature	=	84.60601 deg. F
pressure	=	46.24490 psia
vapor pressure	=	0.29291 psia
volume	=	2841900 cu. ft.
dry air mass	=	647622.58 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 44

time = 430 date = 329

sensor		raw data		value
temperature	1	(97.370)	=	97.370 deg. F
temperature	2	(96.990)	=	96.990 deg. F
temperature	3	(96.560)	=	96.560 deg. F
temperature	4	(96.780)	=	96.780 deg. F
temperature	5	(96.770)	=	96.770 deg. F
temperature	6	(95.120)	=	95.120 deg. F
temperature	7	(94.730)	=	94.730 deg. F
temperature	8	(94.110)	=	94.110 deg. F
temperature	9	(92.980)	=	92.980 deg. F
temperature	10	(92.730)	=	92.730 deg. F
temperature	11	(92.240)	=	92.240 deg. F
temperature	12	(92.010)	=	92.010 deg. F
temperature	13	(91.290)	=	91.290 deg. F
temperature	14	(89.960)	=	89.960 deg. F
temperature	15	(88.850)	=	88.850 deg. F
temperature	16	(84.200)	=	84.200 deg. F
temperature	17	(80.400)	=	80.400 deg. F
temperature	18	(75.980)	=	75.980 deg. F
temperature	19	(75.230)	=	75.230 deg. F
temperature	20	(73.550)	=	73.550 deg. F
temperature	21	(73.220)	=	73.220 deg. F
temperature	22	(72.520)	=	72.520 deg. F
temperature	23	(73.500)	=	73.500 deg. F
temperature	24	(72.390)	=	72.390 deg. F
temperature	25	(73.890)	=	73.890 deg. F
temperature	26	(73.050)	=	73.050 deg. F
temperature	27	(73.210)	=	73.210 deg. F
temperature	28	(71.570)	=	71.570 deg. F
temperature	29	(71.740)	=	71.740 deg. F
temperature	30	(72.520)	=	72.520 deg. F
dewpoint	1	(72.500)	=	72.500 deg. F , 0.3951 psia
dewpoint	2	(74.080)	=	74.080 deg. F , 0.4166 psia
dewpoint	3	(71.510)	=	71.510 deg. F , 0.3820 psia
dewpoint	4	(51.800)	=	51.800 deg. F , 0.1902 psia
dewpoint	5	(53.590)	=	53.590 deg. F , 0.2032 psia
dewpoint	6	(48.230)	=	48.230 deg. F , 0.1666 psia
pressure	1	(47.58870)	=	47.5887 psia
pressure	2	(47.58500)	=	47.5850 psia

weighted averages, volume and air mass

temperature	=	84.78349 deg. F
pressure	=	47.58870 psia
vapor pressure	=	0.29784 psia
volume	=	2841900 cu. ft.
dry air mass	=	666274.62 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 45

time = 445 date = 329

sensor		raw data		value
temperature	1	(97.680)	=	97.680 deg. F
temperature	2	(97.270)	=	97.270 deg. F
temperature	3	(97.120)	=	97.120 deg. F
temperature	4	(97.130)	=	97.130 deg. F
temperature	5	(96.990)	=	96.990 deg. F
temperature	6	(95.580)	=	95.580 deg. F
temperature	7	(95.030)	=	95.030 deg. F
temperature	8	(94.430)	=	94.430 deg. F
temperature	9	(93.190)	=	93.190 deg. F
temperature	10	(92.970)	=	92.970 deg. F
temperature	11	(92.480)	=	92.480 deg. F
temperature	12	(92.110)	=	92.110 deg. F
temperature	13	(91.480)	=	91.480 deg. F
temperature	14	(90.070)	=	90.070 deg. F
temperature	15	(89.000)	=	89.000 deg. F
temperature	16	(84.220)	=	84.220 deg. F
temperature	17	(80.360)	=	80.360 deg. F
temperature	18	(75.870)	=	75.870 deg. F
temperature	19	(75.140)	=	75.140 deg. F
temperature	20	(73.500)	=	73.500 deg. F
temperature	21	(73.050)	=	73.050 deg. F
temperature	22	(72.500)	=	72.500 deg. F
temperature	23	(73.490)	=	73.490 deg. F
temperature	24	(72.410)	=	72.410 deg. F
temperature	25	(73.860)	=	73.860 deg. F
temperature	26	(73.010)	=	73.010 deg. F
temperature	27	(73.230)	=	73.230 deg. F
temperature	28	(71.500)	=	71.500 deg. F
temperature	29	(71.590)	=	71.590 deg. F
temperature	30	(72.500)	=	72.500 deg. F
dewpoint	1	(73.060)	=	73.060 deg. F , 0.4026 psia
dewpoint	2	(74.260)	=	74.260 deg. F , 0.4191 psia
dewpoint	3	(71.470)	=	71.470 deg. F , 0.3815 psia
dewpoint	4	(51.830)	=	51.830 deg. F , 0.1904 psia
dewpoint	5	(53.760)	=	53.760 deg. F , 0.2045 psia
dewpoint	6	(48.460)	=	48.460 deg. F , 0.1680 psia
pressure	1	(48.91350)	=	48.9135 psia
pressure	2	(48.91240)	=	48.9124 psia

weighted averages, volume and air mass

temperature	=	84.89959 deg. F
pressure	=	48.91350 psia
vapor pressure	=	0.29979 psia
volume	=	2841900 cu. ft.
dry air mass	=	684766.06 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 46

time = 500 date = 329

sensor		raw data		value	
temperature	1	(97.970)	=	97.970 deg. F	
temperature	2	(97.550)	=	97.550 deg. F	
temperature	3	(97.270)	=	97.270 deg. F	
temperature	4	(97.320)	=	97.320 deg. F	
temperature	5	(97.260)	=	97.260 deg. F	
temperature	6	(95.880)	=	95.880 deg. F	
temperature	7	(95.310)	=	95.310 deg. F	
temperature	8	(94.650)	=	94.650 deg. F	
temperature	9	(93.360)	=	93.360 deg. F	
temperature	10	(93.100)	=	93.100 deg. F	
temperature	11	(92.730)	=	92.730 deg. F	
temperature	12	(92.430)	=	92.430 deg. F	
temperature	13	(91.420)	=	91.420 deg. F	
temperature	14	(90.140)	=	90.140 deg. F	
temperature	15	(89.170)	=	89.170 deg. F	
temperature	16	(84.160)	=	84.160 deg. F	
temperature	17	(80.390)	=	80.390 deg. F	
temperature	18	(75.930)	=	75.930 deg. F	
temperature	19	(74.980)	=	74.980 deg. F	
temperature	20	(73.410)	=	73.410 deg. F	
temperature	21	(73.140)	=	73.140 deg. F	
temperature	22	(72.480)	=	72.480 deg. F	
temperature	23	(73.460)	=	73.460 deg. F	
temperature	24	(72.360)	=	72.360 deg. F	
temperature	25	(73.780)	=	73.780 deg. F	
temperature	26	(72.900)	=	72.900 deg. F	
temperature	27	(73.210)	=	73.210 deg. F	
temperature	28	(71.480)	=	71.480 deg. F	
temperature	29	(71.530)	=	71.530 deg. F	
temperature	30	(72.440)	=	72.440 deg. F	
dewpoint	1	(73.130)	=	73.130 deg. F ,	0.4035 psia
dewpoint	2	(74.670)	=	74.670 deg. F ,	0.4249 psia
dewpoint	3	(71.680)	=	71.680 deg. F ,	0.3843 psia
dewpoint	4	(51.840)	=	51.840 deg. F ,	0.1905 psia
dewpoint	5	(53.760)	=	53.760 deg. F ,	0.2045 psia
dewpoint	6	(48.900)	=	48.900 deg. F ,	0.1708 psia
pressure	1	(50.24660)	=	50.2466 psia	
pressure	2	(50.24620)	=	50.2462 psia	

weighted averages, volume and air mass

temperature	=	84.98728 deg. F
pressure	=	50.24660 psia
vapor pressure	=	0.30204 psia
volume	=	2641900 cu. ft.
dry air mass	=	703398.94 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 47

time = 515 date = 329

sensor	raw data	value
temperature 1	(98.030)	= 98.030 deg. F
temperature 2	(97.830)	= 97.830 deg. F
temperature 3	(97.720)	= 97.720 deg. F
temperature 4	(97.450)	= 97.450 deg. F
temperature 5	(97.470)	= 97.470 deg. F
temperature 6	(96.010)	= 96.010 deg. F
temperature 7	(95.410)	= 95.410 deg. F
temperature 8	(94.790)	= 94.790 deg. F
temperature 9	(93.540)	= 93.540 deg. F
temperature 10	(93.270)	= 93.270 deg. F
temperature 11	(92.750)	= 92.750 deg. F
temperature 12	(92.510)	= 92.510 deg. F
temperature 13	(91.780)	= 91.780 deg. F
temperature 14	(90.500)	= 90.500 deg. F
temperature 15	(89.230)	= 89.230 deg. F
temperature 16	(84.100)	= 84.100 deg. F
temperature 17	(80.310)	= 80.310 deg. F
temperature 18	(75.760)	= 75.760 deg. F
temperature 19	(74.850)	= 74.850 deg. F
temperature 20	(73.480)	= 73.480 deg. F
temperature 21	(72.950)	= 72.950 deg. F
temperature 22	(72.420)	= 72.420 deg. F
temperature 23	(73.440)	= 73.440 deg. F
temperature 24	(72.210)	= 72.210 deg. F
temperature 25	(73.720)	= 73.720 deg. F
temperature 26	(72.890)	= 72.890 deg. F
temperature 27	(73.160)	= 73.160 deg. F
temperature 28	(71.460)	= 71.460 deg. F
temperature 29	(71.540)	= 71.540 deg. F
temperature 30	(72.420)	= 72.420 deg. F
dewpoint 1	(73.510)	= 73.510 deg. F , 0.4087 psia
dewpoint 2	(74.470)	= 74.470 deg. F , 0.4221 psia
dewpoint 3	(69.160)	= 69.160 deg. F , 0.3527 psia
dewpoint 4	(51.980)	= 51.980 deg. F , 0.1915 psia
dewpoint 5	(53.920)	= 53.920 deg. F , 0.2057 psia
dewpoint 6	(49.830)	= 49.830 deg. F , 0.1768 psia
pressure 1	(51.56800)	= 51.5680 psia
pressure 2	(51.56390)	= 51.5639 psia

weighted averages, volume and air mass

temperature	=	85.05449 deg. F
pressure	=	51.56800 psia
vapor pressure	=	0.29765 psia
volume	=	2841900 cu. ft.
dry air mass	=	721981.78 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 48

time = 530 date = 329

sensor		raw data		value
temperature	1	(98.410)	=	98.410 deg. F
temperature	2	(97.970)	=	97.970 deg. F
temperature	3	(97.570)	=	97.570 deg. F
temperature	4	(97.480)	=	97.480 deg. F
temperature	5	(97.590)	=	97.590 deg. F
temperature	6	(96.200)	=	96.200 deg. F
temperature	7	(95.620)	=	95.620 deg. F
temperature	8	(95.010)	=	95.010 deg. F
temperature	9	(93.670)	=	93.670 deg. F
temperature	10	(93.410)	=	93.410 deg. F
temperature	11	(92.950)	=	92.950 deg. F
temperature	12	(92.720)	=	92.720 deg. F
temperature	13	(91.890)	=	91.890 deg. F
temperature	14	(90.460)	=	90.460 deg. F
temperature	15	(89.240)	=	89.240 deg. F
temperature	16	(84.070)	=	84.070 deg. F
temperature	17	(80.220)	=	80.220 deg. F
temperature	18	(75.680)	=	75.680 deg. F
temperature	19	(74.860)	=	74.860 deg. F
temperature	20	(73.320)	=	73.320 deg. F
temperature	21	(72.760)	=	72.760 deg. F
temperature	22	(72.320)	=	72.320 deg. F
temperature	23	(73.430)	=	73.430 deg. F
temperature	24	(72.280)	=	72.280 deg. F
temperature	25	(73.620)	=	73.620 deg. F
temperature	26	(72.830)	=	72.830 deg. F
temperature	27	(73.190)	=	73.190 deg. F
temperature	28	(71.420)	=	71.420 deg. F
temperature	29	(71.500)	=	71.500 deg. F
temperature	30	(72.390)	=	72.390 deg. F
dewpoint	1	(73.750)	=	73.750 deg. F , 0.4120 psia
dewpoint	2	(75.540)	=	75.540 deg. F , 0.4375 psia
dewpoint	3	(72.730)	=	72.730 deg. F , 0.3981 psia
dewpoint	4	(51.920)	=	51.920 deg. F , 0.1911 psia
dewpoint	5	(53.970)	=	53.970 deg. F , 0.2060 psia
dewpoint	6	(49.230)	=	49.230 deg. F , 0.1729 psia
pressure	1	(52.88110)	=	52.8811 psia
pressure	2	(52.88110)	=	52.8811 psia

weighted averages, volume and air mass

temperature	=	85.09057 deg. F
pressure	=	52.88110 psia
vapor pressure	=	0.30899 psia
volume	=	2841900 cu. ft.
dry air mass	=	740264.01 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 49

time = 545 date = 329

sensor		raw data		value
temperature	1	(98.400)	=	98.400 deg. F
temperature	2	(98.080)	=	98.080 deg. F
temperature	3	(97.790)	=	97.790 deg. F
temperature	4	(97.620)	=	97.620 deg. F
temperature	5	(97.700)	=	97.700 deg. F
temperature	6	(96.360)	=	96.360 deg. F
temperature	7	(95.850)	=	95.850 deg. F
temperature	8	(95.140)	=	95.140 deg. F
temperature	9	(93.740)	=	93.740 deg. F
temperature	10	(93.520)	=	93.520 deg. F
temperature	11	(93.200)	=	93.200 deg. F
temperature	12	(92.780)	=	92.780 deg. F
temperature	13	(91.950)	=	91.950 deg. F
temperature	14	(90.520)	=	90.520 deg. F
temperature	15	(89.330)	=	89.330 deg. F
temperature	16	(84.050)	=	84.050 deg. F
temperature	17	(80.130)	=	80.130 deg. F
temperature	18	(75.600)	=	75.600 deg. F
temperature	19	(74.880)	=	74.880 deg. F
temperature	20	(73.400)	=	73.400 deg. F
temperature	21	(72.740)	=	72.740 deg. F
temperature	22	(72.270)	=	72.270 deg. F
temperature	23	(73.390)	=	73.390 deg. F
temperature	24	(72.110)	=	72.110 deg. F
temperature	25	(73.580)	=	73.580 deg. F
temperature	26	(72.820)	=	72.820 deg. F
temperature	27	(73.070)	=	73.070 deg. F
temperature	28	(71.380)	=	71.380 deg. F
temperature	29	(71.550)	=	71.550 deg. F
temperature	30	(72.360)	=	72.360 deg. F
dewpoint	1	(73.790)	=	73.790 deg. F , 0.4126 psia
dewpoint	2	(75.250)	=	75.250 deg. F , 0.4332 psia
dewpoint	3	(72.830)	=	72.830 deg. F , 0.3995 psia
dewpoint	4	(52.230)	=	52.230 deg. F , 0.1933 psia
dewpoint	5	(54.070)	=	54.070 deg. F , 0.2068 psia
dewpoint	6	(49.430)	=	49.430 deg. F , 0.1742 psia
pressure	1	(54.19550)	=	54.1955 psia
pressure	2	(54.19490)	=	54.1949 psia

weighted averages, volume and air mass

temperature	=	85.14009 deg. F
pressure	=	54.19550 psia
vapor pressure	=	0.30923 psia
volume	=	2841900 cu. ft.
dry air mass	=	758699.50 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 50

time = 600 date = 329

sensor		raw data		value
temperature	1	(98.400)	=	98.400 deg. F
temperature	2	(98.220)	=	98.220 deg. F
temperature	3	(97.880)	=	97.880 deg. F
temperature	4	(97.860)	=	97.860 deg. F
temperature	5	(97.840)	=	97.840 deg. F
temperature	6	(96.440)	=	96.440 deg. F
temperature	7	(95.940)	=	95.940 deg. F
temperature	8	(95.290)	=	95.290 deg. F
temperature	9	(93.950)	=	93.950 deg. F
temperature	10	(93.630)	=	93.630 deg. F
temperature	11	(93.290)	=	93.290 deg. F
temperature	12	(92.960)	=	92.960 deg. F
temperature	13	(92.060)	=	92.060 deg. F
temperature	14	(90.660)	=	90.660 deg. F
temperature	15	(89.360)	=	89.360 deg. F
temperature	16	(83.960)	=	83.960 deg. F
temperature	17	(80.050)	=	80.050 deg. F
temperature	18	(75.580)	=	75.580 deg. F
temperature	19	(74.760)	=	74.760 deg. F
temperature	20	(73.270)	=	73.270 deg. F
temperature	21	(72.710)	=	72.710 deg. F
temperature	22	(72.330)	=	72.330 deg. F
temperature	23	(73.350)	=	73.350 deg. F
temperature	24	(72.060)	=	72.060 deg. F
temperature	25	(73.480)	=	73.480 deg. F
temperature	26	(72.780)	=	72.780 deg. F
temperature	27	(73.110)	=	73.110 deg. F
temperature	28	(71.370)	=	71.370 deg. F
temperature	29	(71.460)	=	71.460 deg. F
temperature	30	(72.340)	=	72.340 deg. F

dewpoint	1	(74.300)	=	74.300 deg. F	, 0.4197 psia
dewpoint	2	(74.440)	=	74.440 deg. F	, 0.4217 psia
dewpoint	3	(70.120)	=	70.120 deg. F	, 0.3644 psia
dewpoint	4	(52.200)	=	52.200 deg. F	, 0.1931 psia
dewpoint	5	(54.330)	=	54.330 deg. F	, 0.2088 psia
dewpoint	6	(49.720)	=	49.720 deg. F	, 0.1761 psia

pressure	1	(55.50940)	=	55.5094 psia
pressure	2	(55.50810)	=	55.5081 psia

weighted averages, volume and air mass

temperature	=	85.18332 deg. F
pressure	=	55.50940 psia
vapor pressure	=	0.30198 psia
volume	=	2841900 cu. ft.
dry air mass	=	777239.15 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 51

time = 615 date = 329

sensor		raw data		value
temperature	1	(98.620)	=	98.620 deg. F
temperature	2	(98.230)	=	98.230 deg. F
temperature	3	(98.090)	=	98.090 deg. F
temperature	4	(98.040)	=	98.040 deg. F
temperature	5	(97.950)	=	97.950 deg. F
temperature	6	(96.640)	=	96.640 deg. F
temperature	7	(95.970)	=	95.970 deg. F
temperature	8	(95.400)	=	95.400 deg. F
temperature	9	(94.140)	=	94.140 deg. F
temperature	10	(93.760)	=	93.760 deg. F
temperature	11	(93.420)	=	93.420 deg. F
temperature	12	(93.090)	=	93.090 deg. F
temperature	13	(92.140)	=	92.140 deg. F
temperature	14	(90.690)	=	90.690 deg. F
temperature	15	(89.260)	=	89.260 deg. F
temperature	16	(83.930)	=	83.930 deg. F
temperature	17	(79.940)	=	79.940 deg. F
temperature	18	(75.380)	=	75.380 deg. F
temperature	19	(74.650)	=	74.650 deg. F
temperature	20	(73.160)	=	73.160 deg. F
temperature	21	(72.710)	=	72.710 deg. F
temperature	22	(72.200)	=	72.200 deg. F
temperature	23	(73.310)	=	73.310 deg. F
temperature	24	(72.020)	=	72.020 deg. F
temperature	25	(73.420)	=	73.420 deg. F
temperature	26	(72.700)	=	72.700 deg. F
temperature	27	(73.010)	=	73.010 deg. F
temperature	28	(71.320)	=	71.320 deg. F
temperature	29	(71.430)	=	71.430 deg. F
temperature	30	(72.290)	=	72.290 deg. F
dewpoint	1	(74.930)	=	74.930 deg. F , 0.4286 psia
dewpoint	2	(76.060)	=	76.060 deg. F , 0.4451 psia
dewpoint	3	(73.060)	=	73.060 deg. F , 0.4026 psia
dewpoint	4	(52.360)	=	52.360 deg. F , 0.1942 psia
dewpoint	5	(54.440)	=	54.440 deg. F , 0.2096 psia
dewpoint	6	(49.620)	=	49.620 deg. F , 0.1755 psia
pressure	1	(56.81960)	=	56.8196 psia
pressure	2	(56.81950)	=	56.8195 psia

weighted averages, volume and air mass

temperature	=	85.20370 deg. F
pressure	=	56.81960 psia
vapor pressure	=	0.31520 psia
volume	=	2841900 cu. ft.
dry air mass	=	795469.00 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 52

time = 630 date = 329

sensor		raw data		value
temperature	1	(98.680)	=	98.680 deg. F
temperature	2	(98.250)	=	98.250 deg. F
temperature	3	(98.070)	=	98.070 deg. F
temperature	4	(98.110)	=	98.110 deg. F
temperature	5	(98.080)	=	98.080 deg. F
temperature	6	(96.820)	=	96.820 deg. F
temperature	7	(96.130)	=	96.130 deg. F
temperature	8	(95.550)	=	95.550 deg. F
temperature	9	(94.280)	=	94.280 deg. F
temperature	10	(93.830)	=	93.830 deg. F
temperature	11	(93.570)	=	93.570 deg. F
temperature	12	(93.110)	=	93.110 deg. F
temperature	13	(92.210)	=	92.210 deg. F
temperature	14	(90.740)	=	90.740 deg. F
temperature	15	(89.300)	=	89.300 deg. F
temperature	16	(83.840)	=	83.840 deg. F
temperature	17	(79.860)	=	79.860 deg. F
temperature	18	(75.280)	=	75.280 deg. F
temperature	19	(74.580)	=	74.580 deg. F
temperature	20	(73.120)	=	73.120 deg. F
temperature	21	(72.480)	=	72.480 deg. F
temperature	22	(72.160)	=	72.160 deg. F
temperature	23	(73.230)	=	73.230 deg. F
temperature	24	(72.050)	=	72.050 deg. F
temperature	25	(73.360)	=	73.360 deg. F
temperature	26	(72.660)	=	72.660 deg. F
temperature	27	(72.990)	=	72.990 deg. F
temperature	28	(71.280)	=	71.280 deg. F
temperature	29	(71.480)	=	71.480 deg. F
temperature	30	(72.260)	=	72.260 deg. F
dewpoint	1	(74.930)	=	74.930 deg. F , 0.4286 psia
dewpoint	2	(75.800)	=	75.800 deg. F , 0.4413 psia
dewpoint	3	(73.070)	=	73.070 deg. F , 0.4027 psia
dewpoint	4	(52.570)	=	52.570 deg. F , 0.1957 psia
dewpoint	5	(54.600)	=	54.600 deg. F , 0.2108 psia
dewpoint	6	(50.050)	=	50.050 deg. F , 0.1783 psia
pressure	1	(58.13070)	=	58.1307 psia
pressure	2	(58.12730)	=	58.1273 psia

weighted averages, volume and air mass

temperature	=	85.22242 deg. F
pressure	=	58.13070 psia
vapor pressure	=	0.31541 psia
volume	=	2841900 cu. ft.
dry air mass	=	813895.81 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 53

time = 645 date = 329

sensor		raw data		value
temperature	1	(98.690)	=	98.690 deg. F
temperature	2	(98.340)	=	98.340 deg. F
temperature	3	(98.090)	=	98.090 deg. F
temperature	4	(98.230)	=	98.230 deg. F
temperature	5	(98.190)	=	98.190 deg. F
temperature	6	(96.810)	=	96.810 deg. F
temperature	7	(96.280)	=	96.280 deg. F
temperature	8	(95.670)	=	95.670 deg. F
temperature	9	(94.380)	=	94.380 deg. F
temperature	10	(93.930)	=	93.930 deg. F
temperature	11	(93.640)	=	93.640 deg. F
temperature	12	(93.310)	=	93.310 deg. F
temperature	13	(92.420)	=	92.420 deg. F
temperature	14	(90.890)	=	90.890 deg. F
temperature	15	(89.300)	=	89.300 deg. F
temperature	16	(83.800)	=	83.800 deg. F
temperature	17	(79.740)	=	79.740 deg. F
temperature	18	(75.260)	=	75.260 deg. F
temperature	19	(74.470)	=	74.470 deg. F
temperature	20	(73.120)	=	73.120 deg. F
temperature	21	(72.620)	=	72.620 deg. F
temperature	22	(72.100)	=	72.100 deg. F
temperature	23	(73.190)	=	73.190 deg. F
temperature	24	(71.970)	=	71.970 deg. F
temperature	25	(73.300)	=	73.300 deg. F
temperature	26	(72.650)	=	72.650 deg. F
temperature	27	(72.900)	=	72.900 deg. F
temperature	28	(71.270)	=	71.270 deg. F
temperature	29	(71.500)	=	71.500 deg. F
temperature	30	(72.230)	=	72.230 deg. F

dewpoint	1	(75.350)	=	75.350 deg. F	, 0.4347 psia
dewpoint	2	(76.500)	=	76.500 deg. F	, 0.4516 psia
dewpoint	3	(73.720)	=	73.720 deg. F	, 0.4116 psia
dewpoint	4	(52.710)	=	52.710 deg. F	, 0.1967 psia
dewpoint	5	(54.740)	=	54.740 deg. F	, 0.2119 psia
dewpoint	6	(50.150)	=	50.150 deg. F	, 0.1790 psia

pressure	1	(59.43940)	=	59.4394 psia
pressure	2	(59.43990)	=	59.4399 psia

weighted averages, volume and air mass

temperature	=	85.25978 deg. F
pressure	=	59.43940 psia
vapor pressure	=	0.32040 psia
volume	=	2841900 cu. ft.
dry air mass	=	832191.76 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 54

time = 700 date = 329

sensor		raw data		value
temperature	1	(98.160)	=	98.160 deg. F
temperature	2	(97.890)	=	97.890 deg. F
temperature	3	(97.600)	=	97.600 deg. F
temperature	4	(97.790)	=	97.790 deg. F
temperature	5	(97.650)	=	97.650 deg. F
temperature	6	(96.540)	=	96.540 deg. F
temperature	7	(95.940)	=	95.940 deg. F
temperature	8	(95.260)	=	95.260 deg. F
temperature	9	(94.060)	=	94.060 deg. F
temperature	10	(93.600)	=	93.600 deg. F
temperature	11	(93.390)	=	93.390 deg. F
temperature	12	(93.010)	=	93.010 deg. F
temperature	13	(92.070)	=	92.070 deg. F
temperature	14	(90.600)	=	90.600 deg. F
temperature	15	(88.980)	=	88.980 deg. F
temperature	16	(83.460)	=	83.460 deg. F
temperature	17	(79.430)	=	79.430 deg. F
temperature	18	(74.680)	=	74.680 deg. F
temperature	19	(73.930)	=	73.930 deg. F
temperature	20	(72.690)	=	72.690 deg. F
temperature	21	(72.280)	=	72.280 deg. F
temperature	22	(71.650)	=	71.650 deg. F
temperature	23	(72.870)	=	72.870 deg. F
temperature	24	(71.510)	=	71.510 deg. F
temperature	25	(72.600)	=	72.600 deg. F
temperature	26	(72.230)	=	72.230 deg. F
temperature	27	(72.560)	=	72.560 deg. F
temperature	28	(71.100)	=	71.100 deg. F
temperature	29	(71.410)	=	71.410 deg. F
temperature	30	(71.870)	=	71.870 deg. F
dewpoint	1	(75.220)	=	75.220 deg. F , 0.4328 psia
dewpoint	2	(75.980)	=	75.980 deg. F , 0.4439 psia
dewpoint	3	(73.860)	=	73.860 deg. F , 0.4136 psia
dewpoint	4	(52.490)	=	52.490 deg. F , 0.1951 psia
dewpoint	5	(54.810)	=	54.810 deg. F , 0.2124 psia
dewpoint	6	(51.660)	=	51.660 deg. F , 0.1893 psia
pressure	1	(60.33010)	=	60.3301 psia
pressure	2	(60.32880)	=	60.3288 psia

weighted averages, volume and air mass

temperature	=	84.88489 deg. F
pressure	=	60.33010 psia
vapor pressure	=	0.32058 psia
volume	=	2841900 cu. ft.
dry air mass	=	845308.68 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 55

time = 715 date = 329

sensor		raw data		value
temperature	1	(96.120)	=	96.120 deg. F
temperature	2	(95.980)	=	95.980 deg. F
temperature	3	(95.680)	=	95.680 deg. F
temperature	4	(96.010)	=	96.010 deg. F
temperature	5	(95.750)	=	95.750 deg. F
temperature	6	(94.910)	=	94.910 deg. F
temperature	7	(94.320)	=	94.320 deg. F
temperature	8	(93.770)	=	93.770 deg. F
temperature	9	(92.520)	=	92.520 deg. F
temperature	10	(92.080)	=	92.080 deg. F
temperature	11	(92.020)	=	92.020 deg. F
temperature	12	(91.510)	=	91.510 deg. F
temperature	13	(90.460)	=	90.460 deg. F
temperature	14	(89.180)	=	89.180 deg. F
temperature	15	(87.670)	=	87.670 deg. F
temperature	16	(82.450)	=	82.450 deg. F
temperature	17	(78.330)	=	78.330 deg. F
temperature	18	(73.940)	=	73.940 deg. F
temperature	19	(73.380)	=	73.380 deg. F
temperature	20	(72.390)	=	72.390 deg. F
temperature	21	(71.940)	=	71.940 deg. F
temperature	22	(71.360)	=	71.360 deg. F
temperature	23	(72.610)	=	72.610 deg. F
temperature	24	(71.280)	=	71.280 deg. F
temperature	25	(72.380)	=	72.380 deg. F
temperature	26	(72.000)	=	72.000 deg. F
temperature	27	(72.480)	=	72.480 deg. F
temperature	28	(70.970)	=	70.970 deg. F
temperature	29	(71.270)	=	71.270 deg. F
temperature	30	(71.710)	=	71.710 deg. F

dewpoint	1	(74.820)	=	74.820 deg. F	, 0.4271 psia
dewpoint	2	(75.880)	=	75.880 deg. F	, 0.4424 psia
dewpoint	3	(73.830)	=	73.830 deg. F	, 0.4131 psia
dewpoint	4	(52.610)	=	52.610 deg. F	, 0.1960 psia
dewpoint	5	(54.640)	=	54.640 deg. F	, 0.2111 psia
dewpoint	6	(51.700)	=	51.700 deg. F	, 0.1895 psia

pressure	1	(60.65450)	=	60.6545 psia
pressure	2	(60.65240)	=	60.6524 psia

weighted averages, volume and air mass

temperature	=	83.83447 deg. F
pressure	=	60.65450 psia
vapor pressure	=	0.31941 psia
volume	=	2841900 cu. ft.
dry air mass	=	851537.41 lbm

VOGTLE UNIT 1-1990 ILRT-PRESSURIZATION

data set 56

time = 730 date = 329

sensor		raw data		value
temperature	1	(94.130)	=	94.130 deg. F
temperature	2	(93.770)	=	93.770 deg. F
temperature	3	(93.590)	=	93.590 deg. F
temperature	4	(93.980)	=	93.980 deg. F
temperature	5	(93.750)	=	93.750 deg. F
temperature	6	(93.040)	=	93.040 deg. F
temperature	7	(92.590)	=	92.590 deg. F
temperature	8	(92.150)	=	92.150 deg. F
temperature	9	(91.000)	=	91.000 deg. F
temperature	10	(90.630)	=	90.630 deg. F
temperature	11	(90.430)	=	90.430 deg. F
temperature	12	(89.880)	=	89.880 deg. F
temperature	13	(88.930)	=	88.930 deg. F
temperature	14	(87.740)	=	87.740 deg. F
temperature	15	(86.080)	=	86.080 deg. F
temperature	16	(81.270)	=	81.270 deg. F
temperature	17	(77.250)	=	77.250 deg. F
temperature	18	(73.370)	=	73.370 deg. F
temperature	19	(72.780)	=	72.780 deg. F
temperature	20	(71.880)	=	71.880 deg. F
temperature	21	(71.640)	=	71.640 deg. F
temperature	22	(71.040)	=	71.040 deg. F
temperature	23	(72.320)	=	72.320 deg. F
temperature	24	(71.040)	=	71.040 deg. F
temperature	25	(71.850)	=	71.850 deg. F
temperature	26	(71.770)	=	71.770 deg. F
temperature	27	(72.230)	=	72.230 deg. F
temperature	28	(70.790)	=	70.790 deg. F
temperature	29	(71.340)	=	71.340 deg. F
temperature	30	(71.470)	=	71.470 deg. F
dewpoint	1	(74.750)	=	74.750 deg. F , 0.4261 psia
dewpoint	2	(76.130)	=	76.130 deg. F , 0.4461 psia
dewpoint	3	(73.660)	=	73.660 deg. F , 0.4108 psia
dewpoint	4	(53.190)	=	53.190 deg. F , 0.2002 psia
dewpoint	5	(54.600)	=	54.600 deg. F , 0.2108 psia
dewpoint	6	(53.740)	=	53.740 deg. F , 0.2043 psia
pressure	1	(60.57950)	=	60.5795 psia
pressure	2	(60.57830)	=	60.5783 psia

weighted averages, volume and air mass

temperature	=	82.70313 deg. F
pressure	=	60.57950 psia
vapor pressure	=	0.32278 psia
volume	=	2841900 cu. ft.
dry air mass	=	852205.24 lbm

VOGTLE UNIT 1-1990 ILRT-STABILIZATION

DATA SUMMARY REPORT

data set	time	date	temperature deg F	pressure psia	vapor pressure psia	dry air mass lbm
1	730	329	82.7031	60.5795	0.3061	852440.67
2	745	329	81.7750	60.4819	0.3062	852517.91
3	800	329	81.3845	60.4763	0.3061	853055.58
4	815	329	81.0987	60.4419	0.3079	852992.55
5	830	329	80.7722	60.4069	0.3080	853009.69
6	845	329	80.5052	60.3789	0.3059	853063.98
7	900	329	80.2886	60.3557	0.3057	853079.27
8	915	329	80.1031	60.3361	0.3054	853097.99
9	930	329	79.9499	60.3190	0.3046	853108.56
10	945	329	79.8182	60.3040	0.3048	853101.41
11	1000	329	79.6962	60.2905	0.3045	853106.62
12	1015	329	79.5961	60.2782	0.3048	853084.64
13	1030	329	79.4943	60.2670	0.3049	853085.34
14	1045	329	79.4096	60.2563	0.3047	853070.49
15	1100	329	79.3258	60.2465	0.3041	853071.52
16	1115	329	79.2486	60.2372	0.3053	853043.99
17	1130	329	79.1703	60.2285	0.3051	853048.22
18	1145	329	79.1007	60.2202	0.3052	853038.40
19	1200	329	79.0353	60.2124	0.3054	853028.15

VOGTLE UNIT 1-1990 ILRT-STABILIZATION

data set 1

time = 730 date = 329

sensor		raw data		value
temperature	1	(94.130)	=	94.130 deg. F
temperature	2	(93.770)	=	93.770 deg. F
temperature	3	(93.590)	=	93.590 deg. F
temperature	4	(93.980)	=	93.980 deg. F
temperature	5	(93.750)	=	93.750 deg. F
temperature	6	(93.040)	=	93.040 deg. F
temperature	7	(92.590)	=	92.590 deg. F
temperature	8	(92.150)	=	92.150 deg. F
temperature	9	(91.000)	=	91.000 deg. F
temperature	10	(90.630)	=	90.630 deg. F
temperature	11	(90.430)	=	90.430 deg. F
temperature	12	(89.880)	=	89.880 deg. F
temperature	13	(88.930)	=	88.930 deg. F
temperature	14	(87.740)	=	87.740 deg. F
temperature	15	(86.080)	=	86.080 deg. F
temperature	16	(81.270)	=	81.270 deg. F
temperature	17	(77.250)	=	77.250 deg. F
temperature	18	(73.370)	=	73.370 deg. F
temperature	19	(72.780)	=	72.780 deg. F
temperature	20	(71.880)	=	71.880 deg. F
temperature	21	(71.640)	=	71.640 deg. F
temperature	22	(71.040)	=	71.040 deg. F
temperature	23	(72.320)	=	72.320 deg. F
temperature	24	(71.040)	=	71.040 deg. F
temperature	25	(71.850)	=	71.850 deg. F
temperature	26	(71.770)	=	71.770 deg. F
temperature	27	(72.230)	=	72.230 deg. F
temperature	28	(70.790)	=	70.790 deg. F
temperature	29	(71.340)	=	71.340 deg. F
temperature	30	(71.470)	=	71.470 deg. F

dewpoint	1	(74.750)	=	74.750 deg. F	, 0.4261 psia
dewpoint	2	(76.130)	=	76.130 deg. F	, 0.4461 psia
dewpoint	3	(73.660)	=	73.660 deg. F	, 0.4108 psia
dewpoint	4	(53.190)	=	53.190 deg. F	, 0.2002 psia
dewpoint	5	(54.600)	=	54.600 deg. F	, 0.2108 psia
dewpoint	6	(53.740)	=	53.740 deg. F	, 0.2043 psia

pressure	1	(60.57950)	=	60.5795 psia
pressure	2	(60.57830)	=	60.5783 psia

weighted averages, volume and air mass

temperature	=	82.70313 deg. F
pressure	=	60.57950 psia
vapor pressure	=	0.30613 psia
volume	=	2841900 cu. ft.
dry air mass	=	852440.67 lbm

VOGTLE UNIT 1-1990 ILRT-STABILIZATION

data set 2

time = 745 date = 329

sensor		raw data		value
temperature	1	(92.170)	=	92.170 deg. F
temperature	2	(91.960)	=	91.960 deg. F
temperature	3	(91.680)	=	91.680 deg. F
temperature	4	(92.110)	=	92.110 deg. F
temperature	5	(91.990)	=	91.990 deg. F
temperature	6	(91.460)	=	91.460 deg. F
temperature	7	(91.050)	=	91.050 deg. F
temperature	8	(90.780)	=	90.780 deg. F
temperature	9	(89.700)	=	89.700 deg. F
temperature	10	(89.130)	=	89.130 deg. F
temperature	11	(88.910)	=	88.910 deg. F
temperature	12	(88.270)	=	88.270 deg. F
temperature	13	(87.460)	=	87.460 deg. F
temperature	14	(86.350)	=	86.350 deg. F
temperature	15	(84.910)	=	84.910 deg. F
temperature	16	(80.330)	=	80.330 deg. F
temperature	17	(76.520)	=	76.520 deg. F
temperature	18	(73.180)	=	73.180 deg. F
temperature	19	(72.590)	=	72.590 deg. F
temperature	20	(71.700)	=	71.700 deg. F
temperature	21	(71.490)	=	71.490 deg. F
temperature	22	(70.930)	=	70.930 deg. F
temperature	23	(72.240)	=	72.240 deg. F
temperature	24	(70.950)	=	70.950 deg. F
temperature	25	(71.780)	=	71.780 deg. F
temperature	26	(71.770)	=	71.770 deg. F
temperature	27	(72.250)	=	72.250 deg. F
temperature	28	(70.770)	=	70.770 deg. F
temperature	29	(71.300)	=	71.300 deg. F
temperature	30	(71.380)	=	71.380 deg. F
dewpoint	1	(74.650)	=	74.650 deg. F , 0.4246 psia
dewpoint	2	(75.710)	=	75.710 deg. F , 0.4399 psia
dewpoint	3	(73.990)	=	73.990 deg. F , 0.4154 psia
dewpoint	4	(53.980)	=	53.980 deg. F , 0.2061 psia
dewpoint	5	(54.660)	=	54.660 deg. F , 0.2113 psia
dewpoint	6	(54.050)	=	54.050 deg. F , 0.2066 psia
pressure	1	(60.48190)	=	60.4819 psia
pressure	2	(60.48050)	=	60.4805 psia

weighted averages, volume and air mass

temperature	=	81.77501 deg. F
pressure	=	60.48190 psia
vapor pressure	=	0.30622 psia
volume	=	2841900 cu. ft.
dry air mass	=	852517.91 lbm

VOGTLE UNIT 1-1990 ILRT-STABILIZATION

data set 3

time = 800 date = 329

sensor		raw data		value
temperature	1	(90.880)	=	90.880 deg. F
temperature	2	(90.690)	=	90.690 deg. F
temperature	3	(90.410)	=	90.410 deg. F
temperature	4	(90.860)	=	90.860 deg. F
temperature	5	(90.790)	=	90.790 deg. F
temperature	6	(90.240)	=	90.240 deg. F
temperature	7	(89.910)	=	89.910 deg. F
temperature	8	(89.750)	=	89.750 deg. F
temperature	9	(88.770)	=	88.770 deg. F
temperature	10	(88.070)	=	88.070 deg. F
temperature	11	(87.740)	=	87.740 deg. F
temperature	12	(87.000)	=	87.000 deg. F
temperature	13	(86.320)	=	86.320 deg. F
temperature	14	(85.210)	=	85.210 deg. F
temperature	15	(83.920)	=	83.920 deg. F
temperature	16	(79.720)	=	79.720 deg. F
temperature	17	(76.230)	=	76.230 deg. F
temperature	18	(73.960)	=	73.960 deg. F
temperature	19	(73.180)	=	73.180 deg. F
temperature	20	(72.830)	=	72.830 deg. F
temperature	21	(72.040)	=	72.040 deg. F
temperature	22	(72.300)	=	72.300 deg. F
temperature	23	(72.260)	=	72.260 deg. F
temperature	24	(72.180)	=	72.180 deg. F
temperature	25	(72.430)	=	72.430 deg. F
temperature	26	(72.350)	=	72.350 deg. F
temperature	27	(72.400)	=	72.400 deg. F
temperature	28	(71.460)	=	71.460 deg. F
temperature	29	(71.570)	=	71.570 deg. F
temperature	30	(71.920)	=	71.920 deg. F

dewpoint	1	(74.400)	=	74.400 deg. F	, 0.4211 psia
dewpoint	2	(75.240)	=	75.240 deg. F	, 0.4331 psia
dewpoint	3	(74.070)	=	74.070 deg. F	, 0.4165 psia
dewpoint	4	(54.250)	=	54.250 deg. F	, 0.2081 psia
dewpoint	5	(56.380)	=	56.380 deg. F	, 0.2249 psia
dewpoint	6	(54.180)	=	54.180 deg. F	, 0.2076 psia

pressure	1	(60.47630)	=	60.4763 psia
pressure	2	(60.47480)	=	60.4748 psia

weighted averages, volume and air mass

temperature	=	81.38453 deg. F
pressure	=	60.47630 psia
vapor pressure	=	0.30609 psia
volume	=	2841900 cu. ft.
dry air mass	=	853055.58 lbm

VOGTLE UNIT 1-1990 ILRT-STABILIZATION

data set 4

time = 815 date = 329

sensor	raw data	value
temperature 1	(89.820)	= 89.820 deg. F
temperature 2	(89.600)	= 89.600 deg. F
temperature 3	(89.400)	= 89.400 deg. F
temperature 4	(89.730)	= 89.730 deg. F
temperature 5	(89.750)	= 89.750 deg. F
temperature 6	(89.220)	= 89.220 deg. F
temperature 7	(89.000)	= 89.000 deg. F
temperature 8	(88.950)	= 88.950 deg. F
temperature 9	(88.050)	= 88.050 deg. F
temperature 10	(87.280)	= 87.280 deg. F
temperature 11	(86.820)	= 86.820 deg. F
temperature 12	(86.080)	= 86.080 deg. F
temperature 13	(85.380)	= 85.380 deg. F
temperature 14	(84.330)	= 84.330 deg. F
temperature 15	(83.110)	= 83.110 deg. F
temperature 16	(79.340)	= 79.340 deg. F
temperature 17	(76.250)	= 76.250 deg. F
temperature 18	(74.780)	= 74.780 deg. F
temperature 19	(74.000)	= 74.000 deg. F
temperature 20	(73.500)	= 73.500 deg. F
temperature 21	(72.780)	= 72.780 deg. F
temperature 22	(73.080)	= 73.080 deg. F
temperature 23	(72.400)	= 72.400 deg. F
temperature 24	(73.430)	= 73.430 deg. F
temperature 25	(72.810)	= 72.810 deg. F
temperature 26	(72.600)	= 72.600 deg. F
temperature 27	(72.610)	= 72.610 deg. F
temperature 28	(71.920)	= 71.920 deg. F
temperature 29	(71.940)	= 71.940 deg. F
temperature 30	(72.420)	= 72.420 deg. F

dewpoint 1	(74.210)	= 74.210 deg. F	, 0.4184 psia
dewpoint 2	(74.890)	= 74.890 deg. F	, 0.4281 psia
dewpoint 3	(74.040)	= 74.040 deg. F	, 0.4161 psia
dewpoint 4	(54.280)	= 54.280 deg. F	, 0.2084 psia
dewpoint 5	(58.600)	= 58.600 deg. F	, 0.2436 psia
dewpoint 6	(55.210)	= 55.210 deg. F	, 0.2156 psia

pressure 1	(60.44190)	= 60.4419 psia
pressure 2	(60.44040)	= 60.4404 psia

weighted averages, volume and air mass

temperature	=	81.09869 deg. F
pressure	=	60.44190 psia
vapor pressure	=	0.30792 psia
volume	=	2841900 cu. ft.
dry air mass	=	852992.55 lbm

VOGTLE UNIT 1-1990 ILRT-STABILIZATION

data set 5

time = 830 date = 329

sensor		raw data		value
temperature	1	(88.880)	=	88.880 deg. F
temperature	2	(88.680)	=	88.680 deg. F
temperature	3	(88.460)	=	88.460 deg. F
temperature	4	(88.830)	=	88.830 deg. F
temperature	5	(88.890)	=	88.890 deg. F
temperature	6	(88.460)	=	88.460 deg. F
temperature	7	(88.270)	=	88.270 deg. F
temperature	8	(88.290)	=	88.290 deg. F
temperature	9	(87.430)	=	87.430 deg. F
temperature	10	(86.530)	=	86.530 deg. F
temperature	11	(86.050)	=	86.050 deg. F
temperature	12	(85.310)	=	85.310 deg. F
temperature	13	(84.610)	=	84.610 deg. F
temperature	14	(83.720)	=	83.720 deg. F
temperature	15	(82.320)	=	82.320 deg. F
temperature	16	(79.020)	=	79.020 deg. F
temperature	17	(76.260)	=	76.260 deg. F
temperature	18	(75.060)	=	75.060 deg. F
temperature	19	(74.260)	=	74.260 deg. F
temperature	20	(73.800)	=	73.800 deg. F
temperature	21	(73.140)	=	73.140 deg. F
temperature	22	(73.420)	=	73.420 deg. F
temperature	23	(72.500)	=	72.500 deg. F
temperature	24	(73.840)	=	73.840 deg. F
temperature	25	(72.950)	=	72.950 deg. F
temperature	26	(72.760)	=	72.760 deg. F
temperature	27	(72.780)	=	72.780 deg. F
temperature	28	(72.200)	=	72.200 deg. F
temperature	29	(72.150)	=	72.150 deg. F
temperature	30	(72.620)	=	72.620 deg. F
dewpoint	1	(73.990)	=	73.990 deg. F , 0.4154 psia
dewpoint	2	(74.740)	=	74.740 deg. F , 0.4259 psia
dewpoint	3	(74.060)	=	74.060 deg. F , 0.4163 psia
dewpoint	4	(54.640)	=	54.640 deg. F , 0.2111 psia
dewpoint	5	(58.840)	=	58.840 deg. F , 0.2457 psia
dewpoint	6	(55.330)	=	55.330 deg. F , 0.2165 psia
pressure	1	(60.40690)	=	60.4069 psia
pressure	2	(60.40550)	=	60.4055 psia

weighted averages, volume and air mass

temperature	=	80.77224 deg. F
pressure	=	60.40690 psia
vapor pressure	=	0.30802 psia
volume	=	2841900 cu. ft.
dry air mass	=	853009.69 lbm

VOGTLE UNIT 1-1990 ILRT-STABILIZATION

data set 6

time = 845 date = 329

sensor		raw data		value
temperature	1	(88.150)	=	88.150 deg. F
temperature	2	(87.970)	=	87.970 deg. F
temperature	3	(87.760)	=	87.760 deg. F
temperature	4	(88.190)	=	88.190 deg. F
temperature	5	(88.230)	=	88.230 deg. F
temperature	6	(87.840)	=	87.840 deg. F
temperature	7	(87.600)	=	87.600 deg. F
temperature	8	(87.700)	=	87.700 deg. F
temperature	9	(86.900)	=	86.900 deg. F
temperature	10	(85.980)	=	85.980 deg. F
temperature	11	(85.420)	=	85.420 deg. F
temperature	12	(84.610)	=	84.610 deg. F
temperature	13	(84.010)	=	84.010 deg. F
temperature	14	(83.160)	=	83.160 deg. F
temperature	15	(81.740)	=	81.740 deg. F
temperature	16	(78.820)	=	78.820 deg. F
temperature	17	(76.340)	=	76.340 deg. F
temperature	18	(75.190)	=	75.190 deg. F
temperature	19	(74.420)	=	74.420 deg. F
temperature	20	(73.940)	=	73.940 deg. F
temperature	21	(73.380)	=	73.380 deg. F
temperature	22	(73.670)	=	73.670 deg. F
temperature	23	(72.690)	=	72.690 deg. F
temperature	24	(74.080)	=	74.080 deg. F
temperature	25	(73.110)	=	73.110 deg. F
temperature	26	(72.890)	=	72.890 deg. F
temperature	27	(72.910)	=	72.910 deg. F
temperature	28	(72.390)	=	72.390 deg. F
temperature	29	(72.330)	=	72.330 deg. F
temperature	30	(72.770)	=	72.770 deg. F

dewpoint	1	(73.800)	=	73.800 deg. F	, 0.4127 psia
dewpoint	2	(74.430)	=	74.430 deg. F	, 0.4215 psia
dewpoint	3	(73.890)	=	73.890 deg. F	, 0.4140 psia
dewpoint	4	(54.820)	=	54.820 deg. F	, 0.2125 psia
dewpoint	5	(58.310)	=	58.310 deg. F	, 0.2411 psia
dewpoint	6	(55.100)	=	55.100 deg. F	, 0.2147 psia

pressure	1	(60.37890)	=	60.3789 psia
pressure	2	(60.37750)	=	60.3775 psia

weighted averages, volume and air mass

temperature	=	80.50522 deg. F
pressure	=	60.37890 psia
vapor pressure	=	0.30589 psia
volume	=	2841900 cu. ft.
dry air mass	=	853063.98 lbm

VOGTLE UNIT 1-1990 ILRT-STABILIZATION

data set 7

time = 900 date = 329

sensor		raw data		value
temperature	1	(87.600)	=	87.600 deg. F
temperature	2	(87.390)	=	87.390 deg. F
temperature	3	(87.190)	=	87.190 deg. F
temperature	4	(87.610)	=	87.610 deg. F
temperature	5	(87.670)	=	87.670 deg. F
temperature	6	(87.350)	=	87.350 deg. F
temperature	7	(87.110)	=	87.110 deg. F
temperature	8	(87.250)	=	87.250 deg. F
temperature	9	(86.510)	=	86.510 deg. F
temperature	10	(85.520)	=	85.520 deg. F
temperature	11	(84.910)	=	84.910 deg. F
temperature	12	(84.020)	=	84.020 deg. F
temperature	13	(83.450)	=	83.450 deg. F
temperature	14	(82.570)	=	82.570 deg. F
temperature	15	(81.270)	=	81.270 deg. F
temperature	16	(78.710)	=	78.710 deg. F
temperature	17	(76.440)	=	76.440 deg. F
temperature	18	(75.320)	=	75.320 deg. F
temperature	19	(74.590)	=	74.590 deg. F
temperature	20	(74.130)	=	74.130 deg. F
temperature	21	(73.540)	=	73.540 deg. F
temperature	22	(73.840)	=	73.840 deg. F
temperature	23	(72.870)	=	72.870 deg. F
temperature	24	(74.250)	=	74.250 deg. F
temperature	25	(73.220)	=	73.220 deg. F
temperature	26	(73.010)	=	73.010 deg. F
temperature	27	(73.030)	=	73.030 deg. F
temperature	28	(72.540)	=	72.540 deg. F
temperature	29	(72.460)	=	72.460 deg. F
temperature	30	(72.910)	=	72.910 deg. F
dewpoint	1	(73.680)	=	73.680 deg. F , 0.4111 psia
dewpoint	2	(74.400)	=	74.400 deg. F , 0.4211 psia
dewpoint	3	(74.070)	=	74.070 deg. F , 0.4165 psia
dewpoint	4	(55.030)	=	55.030 deg. F , 0.2142 psia
dewpoint	5	(58.110)	=	58.110 deg. F , 0.2394 psia
dewpoint	6	(55.060)	=	55.060 deg. F , 0.2144 psia
pressure	1	(60.35570)	=	60.3557 psia
pressure	2	(60.35440)	=	60.3544 psia

weighted averages, volume and air mass

temperature	=	80.28861 deg. F
pressure	=	60.35570 psia
vapor pressure	=	0.30570 psia
volume	=	2841900 cu. ft.
dry air mass	=	853079.27 lbm

VOGTLE UNIT 1-1990 ILRT-STABILIZATION

data set 8

time = 915 date = 329

sensor		raw data		value
temperature	1	(87.150)	=	87.150 deg. F
temperature	2	(86.950)	=	86.950 deg. F
temperature	3	(86.730)	=	86.730 deg. F
temperature	4	(87.160)	=	87.160 deg. F
temperature	5	(87.200)	=	87.200 deg. F
temperature	6	(86.930)	=	86.930 deg. F
temperature	7	(86.700)	=	86.700 deg. F
temperature	8	(86.830)	=	86.830 deg. F
temperature	9	(86.120)	=	86.120 deg. F
temperature	10	(85.170)	=	85.170 deg. F
temperature	11	(84.430)	=	84.430 deg. F
temperature	12	(83.530)	=	83.530 deg. F
temperature	13	(82.990)	=	82.990 deg. F
temperature	14	(82.080)	=	82.080 deg. F
temperature	15	(80.920)	=	80.920 deg. F
temperature	16	(78.670)	=	78.670 deg. F
temperature	17	(76.520)	=	76.520 deg. F
temperature	18	(75.410)	=	75.410 deg. F
temperature	19	(74.740)	=	74.740 deg. F
temperature	20	(74.230)	=	74.230 deg. F
temperature	21	(73.670)	=	73.670 deg. F
temperature	22	(73.940)	=	73.940 deg. F
temperature	23	(72.970)	=	72.970 deg. F
temperature	24	(74.380)	=	74.380 deg. F
temperature	25	(73.300)	=	73.300 deg. F
temperature	26	(73.100)	=	73.100 deg. F
temperature	27	(73.160)	=	73.160 deg. F
temperature	28	(72.650)	=	72.650 deg. F
temperature	29	(72.590)	=	72.590 deg. F
temperature	30	(73.000)	=	73.000 deg. F

dewpoint	1	(73.750)	=	73.750 deg. F , 0.4120 psia
dewpoint	2	(74.290)	=	74.290 deg. F , 0.4196 psia
dewpoint	3	(73.420)	=	73.420 deg. F , 0.4075 psia
dewpoint	4	(55.090)	=	55.090 deg. F , 0.2146 psia
dewpoint	5	(57.950)	=	57.950 deg. F , 0.2380 psia
dewpoint	6	(55.090)	=	55.090 deg. F , 0.2146 psia

pressure	1	(60.33610)	=	60.3361 psia
pressure	2	(60.33470)	=	60.3347 psia

weighted averages, volume and air mass

temperature	=	80.10312 deg. F
pressure	=	60.33610 psia
vapor pressure	=	0.30541 psia
volume	=	2841900 cu. ft.
dry air mass	=	853097.99 lbm

VOGTLE UNIT 1-1990 ILRT-STABILIZATION

data set 9

time = 930 date = 329

sensor		raw data		value
temperature	1	(86.770)	=	86.770 deg. F
temperature	2	(86.570)	=	86.570 deg. F
temperature	3	(86.360)	=	86.360 deg. F
temperature	4	(86.780)	=	86.780 deg. F
temperature	5	(86.820)	=	86.820 deg. F
temperature	6	(86.570)	=	86.570 deg. F
temperature	7	(86.320)	=	86.320 deg. F
temperature	8	(86.470)	=	86.470 deg. F
temperature	9	(85.750)	=	85.750 deg. F
temperature	10	(84.860)	=	84.860 deg. F
temperature	11	(84.030)	=	84.030 deg. F
temperature	12	(83.110)	=	83.110 deg. F
temperature	13	(82.630)	=	82.630 deg. F
temperature	14	(81.710)	=	81.710 deg. F
temperature	15	(80.620)	=	80.620 deg. F
temperature	16	(78.620)	=	78.620 deg. F
temperature	17	(76.620)	=	76.620 deg. F
temperature	18	(75.530)	=	75.530 deg. F
temperature	19	(74.850)	=	74.850 deg. F
temperature	20	(74.360)	=	74.360 deg. F
temperature	21	(73.780)	=	73.780 deg. F
temperature	22	(74.000)	=	74.000 deg. F
temperature	23	(73.060)	=	73.060 deg. F
temperature	24	(74.490)	=	74.490 deg. F
temperature	25	(73.380)	=	73.380 deg. F
temperature	26	(73.200)	=	73.200 deg. F
temperature	27	(73.250)	=	73.250 deg. F
temperature	28	(72.760)	=	72.760 deg. F
temperature	29	(72.690)	=	72.690 deg. F
temperature	30	(73.090)	=	73.090 deg. F

dewpoint	1	(73.610)	=	73.610 deg. F	, 0.4101 psia
dewpoint	2	(74.110)	=	74.110 deg. F	, 0.4170 psia
dewpoint	3	(73.890)	=	73.890 deg. F	, 0.4140 psia
dewpoint	4	(55.110)	=	55.110 deg. F	, 0.2148 psia
dewpoint	5	(58.020)	=	58.020 deg. F	, 0.2386 psia
dewpoint	6	(55.160)	=	55.160 deg. F	, 0.2152 psia

pressure	1	(60.31900)	=	60.3190 psia
pressure	2	(60.31770)	=	60.3177 psia

weighted averages, volume and air mass

temperature	=	79.94986 deg. F
pressure	=	60.31900 psia
vapor pressure	=	0.30461 psia
volume	=	2841900 cu. ft.
dry air mass	=	853108.56 lbm

VOGTLE UNIT 1-1990 ILRT-STABILIZATION

data set 10

time = 945 date = 329

sensor		raw data		value
temperature	1	(86.440)	=	86.440 deg. F
temperature	2	(86.220)	=	86.220 deg. F
temperature	3	(86.040)	=	86.040 deg. F
temperature	4	(86.450)	=	86.450 deg. F
temperature	5	(86.490)	=	86.490 deg. F
temperature	6	(86.280)	=	86.280 deg. F
temperature	7	(85.980)	=	85.980 deg. F
temperature	8	(86.160)	=	86.160 deg. F
temperature	9	(85.480)	=	85.480 deg. F
temperature	10	(84.540)	=	84.540 deg. F
temperature	11	(83.700)	=	83.700 deg. F
temperature	12	(82.750)	=	82.750 deg. F
temperature	13	(82.290)	=	82.290 deg. F
temperature	14	(81.410)	=	81.410 deg. F
temperature	15	(80.330)	=	80.330 deg. F
temperature	16	(78.620)	=	78.620 deg. F
temperature	17	(76.700)	=	76.700 deg. F
temperature	18	(75.630)	=	75.630 deg. F
temperature	19	(74.960)	=	74.960 deg. F
temperature	20	(74.460)	=	74.460 deg. F
temperature	21	(73.870)	=	73.870 deg. F
temperature	22	(74.120)	=	74.120 deg. F
temperature	23	(73.130)	=	73.130 deg. F
temperature	24	(74.580)	=	74.580 deg. F
temperature	25	(73.440)	=	73.440 deg. F
temperature	26	(73.250)	=	73.250 deg. F
temperature	27	(73.310)	=	73.310 deg. F
temperature	28	(72.830)	=	72.830 deg. F
temperature	29	(72.820)	=	72.820 deg. F
temperature	30	(73.170)	=	73.170 deg. F
dewpoint	1	(73.680)	=	73.680 deg. F , 0.4111 psia
dewpoint	2	(74.120)	=	74.120 deg. F , 0.4172 psia
dewpoint	3	(73.560)	=	73.560 deg. F , 0.4094 psia
dewpoint	4	(55.190)	=	55.190 deg. F , 0.2154 psia
dewpoint	5	(57.680)	=	57.680 deg. F , 0.2357 psia
dewpoint	6	(55.260)	=	55.260 deg. F , 0.2159 psia
pressure	1	(60.30400)	=	60.3040 psia
pressure	2	(60.30270)	=	60.3027 psia

weighted averages, volume and air mass

temperature	=	79.81819 deg. F
pressure	=	60.30400 psia
vapor pressure	=	0.30476 psia
volume	=	2841900 cu. ft.
dry air mass	=	853101.41 lbm

VOGTLE UNIT 1-1990 ILRT-STABILIZATION

data set 11

time = 1000 date = 329

sensor		raw data		value
temperature	1	(86.150)	=	86.150 deg. F
temperature	2	(85.930)	=	85.930 deg. F
temperature	3	(85.720)	=	85.720 deg. F
temperature	4	(86.160)	=	86.160 deg. F
temperature	5	(86.200)	=	86.200 deg. F
temperature	6	(85.960)	=	85.960 deg. F
temperature	7	(85.710)	=	85.710 deg. F
temperature	8	(85.850)	=	85.850 deg. F
temperature	9	(85.250)	=	85.250 deg. F
temperature	10	(84.280)	=	84.280 deg. F
temperature	11	(83.350)	=	83.350 deg. F
temperature	12	(82.500)	=	82.500 deg. F
temperature	13	(81.960)	=	81.960 deg. F
temperature	14	(81.150)	=	81.150 deg. F
temperature	15	(80.150)	=	80.150 deg. F
temperature	16	(78.580)	=	78.580 deg. F
temperature	17	(76.770)	=	76.770 deg. F
temperature	18	(75.670)	=	75.670 deg. F
temperature	19	(75.020)	=	75.020 deg. F
temperature	20	(74.520)	=	74.520 deg. F
temperature	21	(73.950)	=	73.950 deg. F
temperature	22	(74.170)	=	74.170 deg. F
temperature	23	(73.220)	=	73.220 deg. F
temperature	24	(74.650)	=	74.650 deg. F
temperature	25	(73.500)	=	73.500 deg. F
temperature	26	(73.330)	=	73.330 deg. F
temperature	27	(73.380)	=	73.380 deg. F
temperature	28	(72.920)	=	72.920 deg. F
temperature	29	(72.880)	=	72.880 deg. F
temperature	30	(73.230)	=	73.230 deg. F

dewpoint	1	(73.590)	=	73.590 deg. F	, 0.4098 psia
dewpoint	2	(74.030)	=	74.030 deg. F	, 0.4159 psia
dewpoint	3	(73.690)	=	73.690 deg. F	, 0.4112 psia
dewpoint	4	(55.260)	=	55.260 deg. F	, 0.2159 psia
dewpoint	5	(57.710)	=	57.710 deg. F	, 0.2360 psia
dewpoint	6	(55.310)	=	55.310 deg. F	, 0.2163 psia

pressure	1	(60.29050)	=	60.2905 psia
pressure	2	(60.28910)	=	60.2891 psia

weighted averages, volume and air mass

temperature	=	79.69617 deg. F
pressure	=	60.29050 psia
vapor pressure	=	0.30447 psia
volume	=	2841900 cu. ft.
dry air mass	=	853106.62 lbm

VOGTLE UNIT 1-1990 ILRT-STABILIZATION

data set 12

time = 1015 date = 329

sensor		raw data		value
temperature	1	(85.890)	=	85.890 deg. F
temperature	2	(85.680)	=	85.680 deg. F
temperature	3	(85.490)	=	85.490 deg. F
temperature	4	(85.910)	=	85.910 deg. F
temperature	5	(85.930)	=	85.930 deg. F
temperature	6	(85.710)	=	85.710 deg. F
temperature	7	(85.460)	=	85.460 deg. F
temperature	8	(85.630)	=	85.630 deg. F
temperature	9	(85.040)	=	85.040 deg. F
temperature	10	(84.040)	=	84.040 deg. F
temperature	11	(83.080)	=	83.080 deg. F
temperature	12	(82.220)	=	82.220 deg. F
temperature	13	(81.710)	=	81.710 deg. F
temperature	14	(80.920)	=	80.920 deg. F
temperature	15	(79.950)	=	79.950 deg. F
temperature	16	(78.560)	=	78.560 deg. F
temperature	17	(76.820)	=	76.820 deg. F
temperature	18	(75.730)	=	75.730 deg. F
temperature	19	(75.100)	=	75.100 deg. F
temperature	20	(74.580)	=	74.580 deg. F
temperature	21	(74.020)	=	74.020 deg. F
temperature	22	(74.250)	=	74.250 deg. F
temperature	23	(73.300)	=	73.300 deg. F
temperature	24	(74.740)	=	74.740 deg. F
temperature	25	(73.550)	=	73.550 deg. F
temperature	26	(73.360)	=	73.360 deg. F
temperature	27	(73.450)	=	73.450 deg. F
temperature	28	(73.010)	=	73.010 deg. F
temperature	29	(72.970)	=	72.970 deg. F
temperature	30	(73.300)	=	73.300 deg. F
dewpoint	1	(73.600)	=	73.600 deg. F , 0.4100 psia
dewpoint	2	(74.170)	=	74.170 deg. F , 0.4179 psia
dewpoint	3	(73.540)	=	73.540 deg. F , 0.4091 psia
dewpoint	4	(55.310)	=	55.310 deg. F , 0.2163 psia
dewpoint	5	(57.370)	=	57.370 deg. F , 0.2331 psia
dewpoint	6	(55.330)	=	55.330 deg. F , 0.2165 psia
pressure	1	(60.27820)	=	60.2782 psia
pressure	2	(60.27690)	=	60.2769 psia

weighted averages, volume and air mass

temperature	=	70.59613 deg. F
pressure	=	60.27820 psia
vapor pressure	=	0.30483 psia
volume	=	2841900 cu. ft.
dry air mass	=	853084.64 lbm

VOGTLE UNIT 1-1990 ILRT-STABILIZATION

data set 13

time = 1030 date = 329

sensor		raw data		value
temperature	1	(85.660)	=	85.660 deg. F
temperature	2	(85.420)	=	85.420 deg. F
temperature	3	(85.220)	=	85.220 deg. F
temperature	4	(85.680)	=	85.680 deg. F
temperature	5	(85.700)	=	85.700 deg. F
temperature	6	(85.470)	=	85.470 deg. F
temperature	7	(85.230)	=	85.230 deg. F
temperature	8	(85.400)	=	85.400 deg. F
temperature	9	(84.790)	=	84.790 deg. F
temperature	10	(83.810)	=	83.810 deg. F
temperature	11	(82.820)	=	82.820 deg. F
temperature	12	(81.940)	=	81.940 deg. F
temperature	13	(81.470)	=	81.470 deg. F
temperature	14	(80.680)	=	80.680 deg. F
temperature	15	(79.810)	=	79.810 deg. F
temperature	16	(78.520)	=	78.520 deg. F
temperature	17	(76.860)	=	76.860 deg. F
temperature	18	(75.760)	=	75.760 deg. F
temperature	19	(75.180)	=	75.180 deg. F
temperature	20	(74.610)	=	74.610 deg. F
temperature	21	(74.100)	=	74.100 deg. F
temperature	22	(74.300)	=	74.300 deg. F
temperature	23	(73.350)	=	73.350 deg. F
temperature	24	(74.780)	=	74.780 deg. F
temperature	25	(73.610)	=	73.610 deg. F
temperature	26	(73.470)	=	73.470 deg. F
temperature	27	(73.520)	=	73.520 deg. F
temperature	28	(73.070)	=	73.070 deg. F
temperature	29	(73.030)	=	73.030 deg. F
temperature	30	(73.360)	=	73.360 deg. F

dewpoint	1	(73.700)	=	73.700 deg. F	, 0.4113 psia
dewpoint	2	(74.040)	=	74.040 deg. F	, 0.4161 psia
dewpoint	3	(73.220)	=	73.220 deg. F	, 0.4048 psia
dewpoint	4	(55.350)	=	55.350 deg. F	, 0.2167 psia
dewpoint	5	(57.560)	=	57.560 deg. F	, 0.2347 psia
dewpoint	6	(55.410)	=	55.410 deg. F	, 0.2171 psia

pressure	1	(60.26700)	=	60.2670 psia
pressure	2	(60.26570)	=	60.2657 psia

weighted averages, volume and air mass

temperature	=	79.49429 deg. F
pressure	=	60.26700 psia
vapor pressure	=	0.30491 psia
volume	=	2841900 cu. ft.
dry air mass	=	853085.34 lbm

VOGTLE UNIT 1-1990 ILRT-STABILIZATION

data set 14

time = 1045 date = 329

sensor		raw data		value
temperature	1	(85.440)	=	85.440 deg. F
temperature	2	(85.200)	=	85.200 deg. F
temperature	3	(85.000)	=	85.000 deg. F
temperature	4	(85.450)	=	85.450 deg. F
temperature	5	(85.470)	=	85.470 deg. F
temperature	6	(85.280)	=	85.280 deg. F
temperature	7	(85.010)	=	85.010 deg. F
temperature	8	(85.180)	=	85.180 deg. F
temperature	9	(84.550)	=	84.550 deg. F
temperature	10	(83.630)	=	83.630 deg. F
temperature	11	(82.590)	=	82.590 deg. F
temperature	12	(81.730)	=	81.730 deg. F
temperature	13	(81.270)	=	81.270 deg. F
temperature	14	(80.470)	=	80.470 deg. F
temperature	15	(79.660)	=	79.660 deg. F
temperature	16	(78.490)	=	78.490 deg. F
temperature	17	(76.890)	=	76.890 deg. F
temperature	18	(75.840)	=	75.840 deg. F
temperature	19	(75.230)	=	75.230 deg. F
temperature	20	(74.670)	=	74.670 deg. F
temperature	21	(74.160)	=	74.160 deg. F
temperature	22	(74.390)	=	74.390 deg. F
temperature	23	(73.460)	=	73.460 deg. F
temperature	24	(74.840)	=	74.840 deg. F
temperature	25	(73.660)	=	73.660 deg. F
temperature	26	(73.520)	=	73.520 deg. F
temperature	27	(73.590)	=	73.590 deg. F
temperature	28	(73.130)	=	73.130 deg. F
temperature	29	(73.100)	=	73.100 deg. F
temperature	30	(73.420)	=	73.420 deg. F
dewpoint	1	(73.570)	=	73.570 deg. F , 0.4095 psia
dewpoint	2	(74.040)	=	74.040 deg. F , 0.4161 psia
dewpoint	3	(73.600)	=	73.600 deg. F , 0.4100 psia
dewpoint	4	(55.430)	=	55.430 deg. F , 0.2173 psia
dewpoint	5	(57.330)	=	57.330 deg. F , 0.2328 psia
dewpoint	6	(55.480)	=	55.480 deg. F , 0.2177 psia
pressure	1	(60.25630)	=	60.2563 psia
pressure	2	(60.25520)	=	60.2552 psia

weighted averages, volume and air mass

temperature	=	79.40958 deg. F
pressure	=	60.25630 psia
vapor pressure	=	0.3068 psia
volume	=	2841900 cu. ft.
dry air mass	=	853070.19 lbm

VOGTLE UNIT 1-1990 ILRT-STABILIZATION

data set 15

time = 1100 date = 329

sensor		raw data		value
temperature	1	(85.230)	=	85.230 deg. F
temperature	2	(85.010)	=	85.010 deg. F
temperature	3	(84.830)	=	84.830 deg. F
temperature	4	(85.250)	=	85.250 deg. F
temperature	5	(85.280)	=	85.280 deg. F
temperature	6	(85.070)	=	85.070 deg. F
temperature	7	(84.790)	=	84.790 deg. F
temperature	8	(84.980)	=	84.980 deg. F
temperature	9	(84.410)	=	84.410 deg. F
temperature	10	(83.410)	=	83.410 deg. F
temperature	11	(82.360)	=	82.360 deg. F
temperature	12	(81.500)	=	81.500 deg. F
temperature	13	(81.080)	=	81.080 deg. F
temperature	14	(80.290)	=	80.290 deg. F
temperature	15	(79.530)	=	79.530 deg. F
temperature	16	(78.460)	=	78.460 deg. F
temperature	17	(76.940)	=	76.940 deg. F
temperature	18	(75.870)	=	75.870 deg. F
temperature	19	(75.280)	=	75.280 deg. F
temperature	20	(74.720)	=	74.720 deg. F
temperature	21	(74.220)	=	74.220 deg. F
temperature	22	(74.420)	=	74.420 deg. F
temperature	23	(73.480)	=	73.480 deg. F
temperature	24	(74.890)	=	74.890 deg. F
temperature	25	(73.710)	=	73.710 deg. F
temperature	26	(73.580)	=	73.580 deg. F
temperature	27	(73.630)	=	73.630 deg. F
temperature	28	(73.180)	=	73.180 deg. F
temperature	29	(73.170)	=	73.170 deg. F
temperature	30	(73.470)	=	73.470 deg. F
dewpoint	1	(73.530)	=	73.530 deg. F , 0.4090 psia
dewpoint	2	(73.890)	=	73.890 deg. F , 0.4140 psia
dewpoint	3	(72.690)	=	72.690 deg. F , 0.3976 psia
dewpoint	4	(55.480)	=	55.480 deg. F , 0.2177 psia
dewpoint	5	(57.240)	=	57.240 deg. F , 0.2320 psia
dewpoint	6	(55.550)	=	55.550 deg. F , 0.2182 psia
pressure	1	(60.24650)	=	60.2465 psia
pressure	2	(60.24520)	=	60.2452 psia

weighted averages, volume and air mass

temperature	=	79.32583 deg. F
pressure	=	60.24650 psia
vapor pressure	=	0.30412 psia
volume	=	2841900 cu. ft.
dry air mass	=	853071.52 lbm

VOGTLE UNIT 1-1990 ILRT-STABILIZATION

data set 16

time = 1115 date = 329

sensor		raw data		value
temperature	1	(85.040)	=	85.040 deg. F
temperature	2	(84.810)	=	84.810 deg. F
temperature	3	(84.630)	=	84.630 deg. F
temperature	4	(85.060)	=	85.060 deg. F
temperature	5	(85.080)	=	85.080 deg. F
temperature	6	(84.870)	=	84.870 deg. F
temperature	7	(84.620)	=	84.620 deg. F
temperature	8	(84.800)	=	84.800 deg. F
temperature	9	(84.250)	=	84.250 deg. F
temperature	10	(83.220)	=	83.220 deg. F
temperature	11	(82.170)	=	82.170 deg. F
temperature	12	(81.280)	=	81.280 deg. F
temperature	13	(80.900)	=	80.900 deg. F
temperature	14	(80.140)	=	80.140 deg. F
temperature	15	(79.400)	=	79.400 deg. F
temperature	16	(78.420)	=	78.420 deg. F
temperature	17	(76.960)	=	76.960 deg. F
temperature	18	(75.910)	=	75.910 deg. F
temperature	19	(75.330)	=	75.330 deg. F
temperature	20	(74.750)	=	74.750 deg. F
temperature	21	(74.270)	=	74.270 deg. F
temperature	22	(74.480)	=	74.480 deg. F
temperature	23	(73.540)	=	73.540 deg. F
temperature	24	(74.940)	=	74.940 deg. F
temperature	25	(73.750)	=	73.750 deg. F
temperature	26	(73.620)	=	73.620 deg. F
temperature	27	(73.690)	=	73.690 deg. F
temperature	28	(73.250)	=	73.250 deg. F
temperature	29	(73.240)	=	73.240 deg. F
temperature	30	(73.520)	=	73.520 deg. F
dewpoint	1	(73.570)	=	73.570 deg. F , 0.4095 psia
dewpoint	2	(74.060)	=	74.060 deg. F , 0.4163 psia
dewpoint	3	(70.040)	=	70.040 deg. F , 0.3634 psia
dewpoint	4	(55.550)	=	55.550 deg. F , 0.2182 psia
dewpoint	5	(57.460)	=	57.460 deg. F , 0.2338 psia
dewpoint	6	(55.620)	=	55.620 deg. F , 0.2188 psia
pressure	1	(60.23720)	=	60.2372 psia
pressure	2	(60.23600)	=	60.2360 psia

weighted averages, volume and air mass

temperature	=	79.24863 deg. F
pressure	=	60.23720 psia
vapor pressure	=	0.30534 psia
volume	=	2841900 cu. ft.
dry air mass	=	853043.99 lbm

VOGTLE UNIT 1-1990 ILRT-STABILIZATION

data set 17

time = 1130 date = 329

sensor		raw data		value
temperature	1	(84.870)	=	84.870 deg. F
temperature	2	(84.620)	=	84.620 deg. F
temperature	3	(84.440)	=	84.440 deg. F
temperature	4	(84.890)	=	84.890 deg. F
temperature	5	(84.910)	=	84.910 deg. F
temperature	6	(84.690)	=	84.690 deg. F
temperature	7	(84.460)	=	84.460 deg. F
temperature	8	(84.630)	=	84.630 deg. F
temperature	9	(84.100)	=	84.100 deg. F
temperature	10	(83.030)	=	83.030 deg. F
temperature	11	(81.970)	=	81.970 deg. F
temperature	12	(81.130)	=	81.130 deg. F
temperature	13	(80.720)	=	80.720 deg. F
temperature	14	(80.000)	=	80.000 deg. F
temperature	15	(79.260)	=	79.260 deg. F
temperature	16	(78.370)	=	78.370 deg. F
temperature	17	(76.980)	=	76.980 deg. F
temperature	18	(75.930)	=	75.930 deg. F
temperature	19	(75.370)	=	75.370 deg. F
temperature	20	(74.780)	=	74.780 deg. F
temperature	21	(74.320)	=	74.320 deg. F
temperature	22	(74.480)	=	74.480 deg. F
temperature	23	(73.550)	=	73.550 deg. F
temperature	24	(75.000)	=	75.000 deg. F
temperature	25	(73.800)	=	73.800 deg. F
temperature	26	(73.650)	=	73.650 deg. F
temperature	27	(73.710)	=	73.710 deg. F
temperature	28	(73.300)	=	73.300 deg. F
temperature	29	(73.300)	=	73.300 deg. F
temperature	30	(73.540)	=	73.540 deg. F
dewpoint	1	(73.570)	=	73.570 deg. F , 0.4095 psia
dewpoint	2	(73.970)	=	73.970 deg. F , 0.4151 psia
dewpoint	3	(71.590)	=	71.590 deg. F , 0.3831 psia
dewpoint	4	(55.590)	=	55.590 deg. F , 0.2186 psia
dewpoint	5	(57.420)	=	57.420 deg. F , 0.2335 psia
dewpoint	6	(55.640)	=	55.640 deg. F , 0.2190 psia
pressure	1	(60.22850)	=	60.2285 psia
pressure	2	(60.22730)	=	60.2273 psia

weighted averages, volume and air mass

temperature	=	79.17026 deg. F
pressure	=	60.22850 psia
vapor pressure	=	0.30506 psia
volume	=	2841900 cu. ft.
dry air mass	=	853048.22 lbm

VOGTLE UNIT 1-1990 ILRT-STABILIZATION

data set 18

time = 1145 date = 329

sensor		raw data		value
temperature	1	(84.710)	=	84.710 deg. F
temperature	2	(84.460)	=	84.460 deg. F
temperature	3	(84.290)	=	84.290 deg. F
temperature	4	(84.720)	=	84.720 deg. F
temperature	5	(84.760)	=	84.760 deg. F
temperature	6	(84.530)	=	84.530 deg. F
temperature	7	(84.280)	=	84.280 deg. F
temperature	8	(84.470)	=	84.470 deg. F
temperature	9	(83.920)	=	83.920 deg. F
temperature	10	(82.860)	=	82.860 deg. F
temperature	11	(81.800)	=	81.800 deg. F
temperature	12	(80.940)	=	80.940 deg. F
temperature	13	(80.570)	=	80.570 deg. F
temperature	14	(79.860)	=	79.860 deg. F
temperature	15	(79.140)	=	79.140 deg. F
temperature	16	(78.330)	=	78.330 deg. F
temperature	17	(77.000)	=	77.000 deg. F
temperature	18	(75.950)	=	75.950 deg. F
temperature	19	(75.400)	=	75.400 deg. F
temperature	20	(74.830)	=	74.830 deg. F
temperature	21	(74.370)	=	74.370 deg. F
temperature	22	(74.520)	=	74.520 deg. F
temperature	23	(73.590)	=	73.590 deg. F
temperature	24	(75.050)	=	75.050 deg. F
temperature	25	(73.860)	=	73.860 deg. F
temperature	26	(73.700)	=	73.700 deg. F
temperature	27	(73.760)	=	73.760 deg. F
temperature	28	(73.350)	=	73.350 deg. F
temperature	29	(73.350)	=	73.350 deg. F
temperature	30	(73.560)	=	73.560 deg. F

dewpoint	1	(73.500)	=	73.500 deg. F	, 0.4086 psia
dewpoint	2	(73.980)	=	73.980 deg. F	, 0.4152 psia
dewpoint	3	(69.940)	=	69.940 deg. F	, 0.3622 psia
dewpoint	4	(55.640)	=	55.640 deg. F	, 0.2190 psia
dewpoint	5	(57.400)	=	57.400 deg. F	, 0.2333 psia
dewpoint	6	(55.740)	=	55.740 deg. F	, 0.2197 psia

pressure	1	(60.22020)	=	60.2202 psia
pressure	2	(60.21890)	=	60.2189 psia

weighted averages, volume and air mass

temperature	=	79.10074 deg. F
pressure	=	60.22020 psia
vapor pressure	=	0.30518 psia
volume	=	2841900 cu. ft.
dry air mass	=	853038.40 lbm

VOGTLE UNIT 1-1990 ILRT-STABILIZATION

data set 19

time = 1200 date = 329

sensor		raw data		value
temperature	1	(84.540)	=	84.540 deg. F
temperature	2	(84.300)	=	84.300 deg. F
temperature	3	(84.120)	=	84.120 deg. F
temperature	4	(84.560)	=	84.560 deg. F
temperature	5	(84.600)	=	84.600 deg. F
temperature	6	(84.350)	=	84.350 deg. F
temperature	7	(84.130)	=	84.130 deg. F
temperature	8	(84.300)	=	84.300 deg. F
temperature	9	(83.780)	=	83.780 deg. F
temperature	10	(82.700)	=	82.700 deg. F
temperature	11	(81.650)	=	81.650 deg. F
temperature	12	(80.790)	=	80.790 deg. F
temperature	13	(80.430)	=	80.430 deg. F
temperature	14	(79.740)	=	79.740 deg. F
temperature	15	(79.030)	=	79.030 deg. F
temperature	16	(78.310)	=	78.310 deg. F
temperature	17	(77.010)	=	77.010 deg. F
temperature	18	(75.950)	=	75.950 deg. F
temperature	19	(75.440)	=	75.440 deg. F
temperature	20	(74.870)	=	74.870 deg. F
temperature	21	(74.400)	=	74.400 deg. F
temperature	22	(74.540)	=	74.540 deg. F
temperature	23	(73.670)	=	73.670 deg. F
temperature	24	(75.080)	=	75.080 deg. F
temperature	25	(73.930)	=	73.930 deg. F
temperature	26	(73.730)	=	73.730 deg. F
temperature	27	(73.800)	=	73.800 deg. F
temperature	28	(73.380)	=	73.380 deg. F
temperature	29	(73.410)	=	73.410 deg. F
temperature	30	(73.600)	=	73.600 deg. F
dewpoint	1	(73.450)	=	73.450 deg. F , 0.4079 psia
dewpoint	2	(73.940)	=	73.940 deg. F , 0.4147 psia
dewpoint	3	(69.140)	=	69.140 deg. F , 0.3524 psia
dewpoint	4	(55.730)	=	55.730 deg. F , 0.2197 psia
dewpoint	5	(57.570)	=	57.570 deg. F , 0.2348 psia
dewpoint	6	(55.810)	=	55.810 deg. F , 0.2203 psia
pressure	1	(60.21240)	=	60.2124 psia
pressure	2	(60.21100)	=	60.2110 psia

weighted averages, volume and air mass

temperature	=	79.03526 deg. F
pressure	=	60.21240 psia
vapor pressure	=	.30538 psia
volume	=	2841900 cu. ft.
dry air mass	=	853028.15 lbm

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST

DATA SUMMARY REPORT

data set	time	date	temperature deg F	pressure psia	vapor pressure psia	dry air mass lbm
1	1200	329	79.0353	60.2124	0.3054	853028.15
2	1215	329	78.9722	60.2050	0.3059	853015.83
3	1230	329	78.9123	60.1979	0.3056	853013.68
4	1245	329	78.8576	60.1912	0.3058	853002.23
5	1300	329	78.8056	60.1849	0.3061	852989.20
6	1315	329	78.7544	60.1786	0.3063	852979.02
7	1330	329	78.7080	60.1726	0.3065	852963.76
8	1345	329	78.6607	60.1669	0.3061	852963.19
9	1400	329	78.6146	60.1614	0.3064	852953.26
10	1415	329	78.5631	60.1561	0.3066	852957.03
11	1430	329	78.5266	60.1507	0.3072	852929.00
12	1445	329	78.4828	60.1456	0.3066	852934.38
13	1500	329	78.4406	60.1406	0.3069	852925.09
14	1515	329	78.3963	60.1358	0.3071	852924.39
15	1530	329	78.3655	60.1318	0.3076	852909.90
16	1545	329	78.3349	60.1279	0.3072	852908.16
17	1600	329	78.3065	60.1246	0.3078	852897.95
18	1615	329	78.2632	60.1182	0.3079	852873.50
19	1630	329	78.2193	60.1134	0.3082	852870.18
20	1645	329	78.1811	60.1090	0.3083	852866.13
21	1700	329	78.1462	60.1046	0.3081	852861.91
22	1715	329	78.1090	60.1006	0.3084	852859.32
23	1730	329	78.0776	60.0965	0.3088	852844.64
24	1745	329	78.0466	60.0925	0.3087	852839.50
25	1800	329	78.0082	60.0887	0.3090	852840.87
26	1815	329	77.9759	60.0847	0.3089	852836.57
27	1830	329	77.9530	60.0811	0.3092	852817.47
28	1845	329	77.9219	60.0773	0.3090	852815.50
29	1900	329	77.8894	60.0737	0.3093	852811.26
30	1915	329	77.8652	60.0701	0.3098	852791.76
31	1930	329	77.8333	60.0666	0.3100	852789.18
32	1945	329	77.8018	60.0632	0.3098	852793.56
33	2000	329	77.7767	60.0598	0.3100	852781.11

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST

data set 1

time = 1200 date = 329

sensor		raw data		value
temperature	1	(84.540)	=	84.540 deg. F
temperature	2	(84.300)	=	84.300 deg. F
temperature	3	(84.120)	=	84.120 deg. F
temperature	4	(84.560)	=	84.560 deg. F
temperature	5	(84.600)	=	84.600 deg. F
temperature	6	(84.350)	=	84.350 deg. F
temperature	7	(84.130)	=	84.130 deg. F
temperature	8	(84.300)	=	84.300 deg. F
temperature	9	(83.780)	=	83.780 deg. F
temperature	10	(82.700)	=	82.700 deg. F
temperature	11	(81.650)	=	81.650 deg. F
temperature	12	(80.790)	=	80.790 deg. F
temperature	13	(80.430)	=	80.430 deg. F
temperature	14	(79.740)	=	79.740 deg. F
temperature	15	(79.030)	=	79.030 deg. F
temperature	16	(78.310)	=	78.310 deg. F
temperature	17	(77.010)	=	77.010 deg. F
temperature	18	(75.950)	=	75.950 deg. F
temperature	19	(75.440)	=	75.440 deg. F
temperature	20	(74.870)	=	74.870 deg. F
temperature	21	(74.400)	=	74.400 deg. F
temperature	22	(74.540)	=	74.540 deg. F
temperature	23	(73.670)	=	73.670 deg. F
temperature	24	(75.080)	=	75.080 deg. F
temperature	25	(73.930)	=	73.930 deg. F
temperature	26	(73.730)	=	73.730 deg. F
temperature	27	(73.800)	=	73.800 deg. F
temperature	28	(73.380)	=	73.380 deg. F
temperature	29	(73.410)	=	73.410 deg. F
temperature	30	(73.600)	=	73.600 deg. F
dewpoint	1	(73.450)	=	73.450 deg. F , 0.4079 psia
dewpoint	2	(73.940)	=	73.940 deg. F , 0.4147 psia
dewpoint	3	(69.140)	=	69.140 deg. F , 0.3524 psia
dewpoint	4	(55.730)	=	55.730 deg. F , 0.2197 psia
dewpoint	5	(57.570)	=	57.570 deg. F , 0.2348 psia
dewpoint	6	(55.810)	=	55.810 deg. F , 0.2203 psia
pressure	1	(60.21240)	=	60.2124 psia
pressure	2	(60.21100)	=	60.2110 psia

weighted averages, volume and air mass

temperature	=	79.03526 deg. F
pressure	=	60.21240 psia
vapor pressure	=	0.30538 psia
volume	=	2841900 cu. ft.
dry air mass	=	853028.15 lbm

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST

data set 2

time = 1215 date = 329

sensor		raw data		value
temperature	1	(84.390)	=	84.390 deg. F
temperature	2	(84.140)	=	84.140 deg. F
temperature	3	(83.960)	=	83.960 deg. F
temperature	4	(84.410)	=	84.410 deg. F
temperature	5	(84.450)	=	84.450 deg. F
temperature	6	(84.220)	=	84.220 deg. F
temperature	7	(83.970)	=	83.970 deg. F
temperature	8	(84.170)	=	84.170 deg. F
temperature	9	(83.660)	=	83.660 deg. F
temperature	10	(82.560)	=	82.560 deg. F
temperature	11	(81.490)	=	81.490 deg. F
temperature	12	(80.650)	=	80.650 deg. F
temperature	13	(80.260)	=	80.260 deg. F
temperature	14	(79.620)	=	79.620 deg. F
temperature	15	(78.940)	=	78.940 deg. F
temperature	16	(78.280)	=	78.280 deg. F
temperature	17	(77.030)	=	77.030 deg. F
temperature	18	(75.970)	=	75.970 deg. F
temperature	19	(75.470)	=	75.470 deg. F
temperature	20	(74.880)	=	74.880 deg. F
temperature	21	(74.430)	=	74.430 deg. F
temperature	22	(74.580)	=	74.580 deg. F
temperature	23	(73.680)	=	73.680 deg. F
temperature	24	(75.120)	=	75.120 deg. F
temperature	25	(73.970)	=	73.970 deg. F
temperature	26	(73.760)	=	73.760 deg. F
temperature	27	(73.830)	=	73.830 deg. F
temperature	28	(73.430)	=	73.430 deg. F
temperature	29	(73.450)	=	73.450 deg. F
temperature	30	(73.640)	=	73.640 deg. F
dewpoint	1	(73.510)	=	73.510 deg. F , 0.4087 psia
dewpoint	2	(73.970)	=	73.970 deg. F , 0.4151 psia
dewpoint	3	(69.580)	=	69.580 deg. F , 0.3578 psia
dewpoint	4	(55.780)	=	55.780 deg. F , 0.2201 psia
dewpoint	5	(57.620)	=	57.620 deg. F , 0.2352 psia
dewpoint	6	(55.870)	=	55.870 deg. F , 0.2208 psia
pressure	1	(60.20500)	=	60.2050 psia
pressure	2	(60.20380)	=	60.2038 psia

weighted averages, volume and air mass

temperature	=	78.97216 deg. F
pressure	=	60.20500 psia
vapor pressure	=	0.30586 psia
volume	=	2841900 cu. ft.
dry air mass	=	853015.83 lbm

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST

data set 3

time = 1230 date = 329

sensor		raw data		value
temperature	1	(84.250)	=	84.250 deg. F
temperature	2	(84.000)	=	84.000 deg. F
temperature	3	(83.820)	=	83.820 deg. F
temperature	4	(84.270)	=	84.270 deg. F
temperature	5	(84.300)	=	84.300 deg. F
temperature	6	(84.060)	=	84.060 deg. F
temperature	7	(83.840)	=	83.840 deg. F
temperature	8	(84.000)	=	84.000 deg. F
temperature	9	(83.480)	=	83.480 deg. F
temperature	10	(82.410)	=	82.410 deg. F
temperature	11	(81.350)	=	81.350 deg. F
temperature	12	(80.500)	=	80.500 deg. F
temperature	13	(80.120)	=	80.120 deg. F
temperature	14	(79.500)	=	79.500 deg. F
temperature	15	(78.860)	=	78.860 deg. F
temperature	16	(78.240)	=	78.240 deg. F
temperature	17	(77.030)	=	77.030 deg. F
temperature	18	(76.040)	=	76.040 deg. F
temperature	19	(75.510)	=	75.510 deg. F
temperature	20	(74.920)	=	74.920 deg. F
temperature	21	(74.480)	=	74.480 deg. F
temperature	22	(74.570)	=	74.570 deg. F
temperature	23	(73.760)	=	73.760 deg. F
temperature	24	(75.150)	=	75.150 deg. F
temperature	25	(73.990)	=	73.990 deg. F
temperature	26	(73.820)	=	73.820 deg. F
temperature	27	(73.860)	=	73.860 deg. F
temperature	28	(73.480)	=	73.480 deg. F
temperature	29	(73.490)	=	73.490 deg. F
temperature	30	(73.680)	=	73.680 deg. F
dewpoint	1	(73.440)	=	73.440 deg. F , 0.4078 psia
dewpoint	2	(73.900)	=	73.900 deg. F , 0.4141 psia
dewpoint	3	(69.420)	=	69.420 deg. F , 0.3558 psia
dewpoint	4	(55.860)	=	55.860 deg. F , 0.2207 psia
dewpoint	5	(57.590)	=	57.590 deg. F , 0.2349 psia
dewpoint	6	(55.860)	=	55.860 deg. F , 0.2207 psia
pressure	1	(60.19790)	=	60.1979 psia
pressure	2	(60.19660)	=	60.1966 psia

weighted averages, volume and air mass

temperature	=	78.91226 deg. F
pressure	=	60.19790 psia
vapor pressure	=	0.30557 psia
volume	=	2841900 cu. ft.
dry air mass	=	853013.68 lbm

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST

data set 4

time = 1245 date = 329

sensor		raw data		value
temperature	1	(84.110)	=	84.110 deg. F
temperature	2	(83.870)	=	83.870 deg. F
temperature	3	(83.690)	=	83.690 deg. F
temperature	4	(84.140)	=	84.140 deg. F
temperature	5	(84.170)	=	84.170 deg. F
temperature	6	(83.930)	=	83.930 deg. F
temperature	7	(83.710)	=	83.710 deg. F
temperature	8	(83.860)	=	83.860 deg. F
temperature	9	(83.370)	=	83.370 deg. F
temperature	10	(82.280)	=	82.280 deg. F
temperature	11	(81.220)	=	81.220 deg. F
temperature	12	(80.390)	=	80.390 deg. F
temperature	13	(80.020)	=	80.020 deg. F
temperature	14	(79.410)	=	79.410 deg. F
temperature	15	(78.770)	=	78.770 deg. F
temperature	16	(78.190)	=	78.190 deg. F
temperature	17	(77.050)	=	77.050 deg. F
temperature	18	(76.030)	=	76.030 deg. F
temperature	19	(75.530)	=	75.530 deg. F
temperature	20	(74.920)	=	74.920 deg. F
temperature	21	(74.510)	=	74.510 deg. F
temperature	22	(74.600)	=	74.600 deg. F
temperature	23	(73.780)	=	73.780 deg. F
temperature	24	(75.190)	=	75.190 deg. F
temperature	25	(74.010)	=	74.010 deg. F
temperature	26	(73.840)	=	73.840 deg. F
temperature	27	(73.910)	=	73.910 deg. F
temperature	28	(73.520)	=	73.520 deg. F
temperature	29	(73.530)	=	73.530 deg. F
temperature	30	(73.730)	=	73.730 deg. F

dewpoint	1	(73.550)	=	73.550 deg. F ,	0.4093 psia
dewpoint	2	(73.860)	=	73.860 deg. F ,	0.4136 psia
dewpoint	3	(70.790)	=	70.790 deg. F ,	0.3728 psia
dewpoint	4	(55.920)	=	55.920 deg. F ,	0.2212 psia
dewpoint	5	(57.420)	=	57.420 deg. F ,	0.2335 psia
dewpoint	6	(55.970)	=	55.970 deg. F ,	0.2216 psia

pressure	1	(60.19120)	=	60.1912 psia
pressure	2	(60.18980)	=	60.1898 psia

weighted averages, volume and air mass

temperature	=	78.85760 deg. F
pressure	=	60.19120 psia
vapor pressure	=	0.30576 psia
volume	=	2841900 cu. ft.
dry air mass	=	853002.23 lbm

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST

data set 5

time = 1300 date = 329

sensor		raw data		value
temperature	1	(83.970)	=	83.970 deg. F
temperature	2	(83.730)	=	83.730 deg. F
temperature	3	(83.540)	=	83.540 deg. F
temperature	4	(84.000)	=	84.000 deg. F
temperature	5	(84.020)	=	84.020 deg. F
temperature	6	(83.780)	=	83.780 deg. F
temperature	7	(83.580)	=	83.580 deg. F
temperature	8	(83.740)	=	83.740 deg. F
temperature	9	(83.290)	=	83.290 deg. F
temperature	10	(82.140)	=	82.140 deg. F
temperature	11	(81.090)	=	81.090 deg. F
temperature	12	(80.260)	=	80.260 deg. F
temperature	13	(79.920)	=	79.920 deg. F
temperature	14	(79.310)	=	79.310 deg. F
temperature	15	(78.710)	=	78.710 deg. F
temperature	16	(78.150)	=	78.150 deg. F
temperature	17	(77.030)	=	77.030 deg. F
temperature	18	(76.050)	=	76.050 deg. F
temperature	19	(75.560)	=	75.560 deg. F
temperature	20	(74.950)	=	74.950 deg. F
temperature	21	(74.550)	=	74.550 deg. F
temperature	22	(74.620)	=	74.620 deg. F
temperature	23	(73.830)	=	73.830 deg. F
temperature	24	(75.210)	=	75.210 deg. F
temperature	25	(74.090)	=	74.090 deg. F
temperature	26	(73.860)	=	73.860 deg. F
temperature	27	(73.950)	=	73.950 deg. F
temperature	28	(73.570)	=	73.570 deg. F
temperature	29	(73.580)	=	73.580 deg. F
temperature	30	(73.790)	=	73.790 deg. F
dewpoint	1	(73.530)	=	73.530 deg. F , 0.4090 psia
dewpoint	2	(73.840)	=	73.840 deg. F , 0.4133 psia
dewpoint	3	(69.760)	=	69.760 deg. F , 0.3600 psia
dewpoint	4	(55.970)	=	55.970 deg. F , 0.2216 psia
dewpoint	5	(57.640)	=	57.640 deg. F , 0.2354 psia
dewpoint	6	(56.100)	=	56.100 deg. F , 0.2226 psia
pressure	1	(60.18490)	=	60.1849 psia
pressure	2	(60.18350)	=	60.1835 psia

weighted averages, volume and air mass

temperature	=	78.80563 deg. F
pressure	=	60.18490 psia
vapor pressure	=	0.30615 psia
volume	=	2841900 cu. ft.
dry air mass	=	852989.20 lbm

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST

data set 6

time = 1315 date = 329

sensor		raw data		value
temperature	1	(83.840)	=	83.840 deg. F
temperature	2	(83.610)	=	83.610 deg. F
temperature	3	(83.440)	=	83.440 deg. F
temperature	4	(83.860)	=	83.860 deg. F
temperature	5	(83.920)	=	83.920 deg. F
temperature	6	(83.660)	=	83.660 deg. F
temperature	7	(83.450)	=	83.450 deg. F
temperature	8	(83.620)	=	83.620 deg. F
temperature	9	(83.120)	=	83.120 deg. F
temperature	10	(81.990)	=	81.990 deg. F
temperature	11	(80.960)	=	80.960 deg. F
temperature	12	(80.140)	=	80.140 deg. F
temperature	13	(79.840)	=	79.840 deg. F
temperature	14	(79.230)	=	79.230 deg. F
temperature	15	(78.630)	=	78.630 deg. F
temperature	16	(78.120)	=	78.120 deg. F
temperature	17	(77.050)	=	77.050 deg. F
temperature	18	(76.060)	=	76.060 deg. F
temperature	19	(75.580)	=	75.580 deg. F
temperature	20	(74.970)	=	74.970 deg. F
temperature	21	(74.590)	=	74.590 deg. F
temperature	22	(74.670)	=	74.670 deg. F
temperature	23	(73.850)	=	73.850 deg. F
temperature	24	(75.250)	=	75.250 deg. F
temperature	25	(74.150)	=	74.150 deg. F
temperature	26	(73.890)	=	73.890 deg. F
temperature	27	(73.980)	=	73.980 deg. F
temperature	28	(73.600)	=	73.600 deg. F
temperature	29	(73.610)	=	73.610 deg. F
temperature	30	(73.810)	=	73.810 deg. F
dewpoint	1	(73.490)	=	73.490 deg. F , 0.4084 psia
dewpoint	2	(73.810)	=	73.810 deg. F , 0.4129 psia
dewpoint	3	(70.330)	=	70.330 deg. F , 0.3670 psia
dewpoint	4	(56.030)	=	56.030 deg. F , 0.2221 psia
dewpoint	5	(57.830)	=	57.830 deg. F , 0.2370 psia
dewpoint	6	(56.090)	=	56.090 deg. F , 0.2226 psia
pressure	1	(60.17860)	=	60.1786 psia
pressure	2	(60.17710)	=	60.1771 psia

weighted averages, volume and air mass

temperature	=	78.75445 deg. F
pressure	=	60.17860 psia
vapor pressure	=	0.30626 psia
volume	=	2841900 cu. ft.
dry air mass	=	852979.02 lbm

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST

data set 7

time = 1330 date = 329

sensor		raw data		value
temperature	1	(83.710)	=	83.710 deg. F
temperature	2	(83.480)	=	83.480 deg. F
temperature	3	(83.300)	=	83.300 deg. F
temperature	4	(83.740)	=	83.740 deg. F
temperature	5	(83.780)	=	83.780 deg. F
temperature	6	(83.540)	=	83.540 deg. F
temperature	7	(83.340)	=	83.340 deg. F
temperature	8	(83.490)	=	83.490 deg. F
temperature	9	(83.080)	=	83.080 deg. F
temperature	10	(81.880)	=	81.880 deg. F
temperature	11	(80.850)	=	80.850 deg. F
temperature	12	(80.060)	=	80.060 deg. F
temperature	13	(79.730)	=	79.730 deg. F
temperature	14	(79.150)	=	79.150 deg. F
temperature	15	(78.540)	=	78.540 deg. F
temperature	16	(78.090)	=	78.090 deg. F
temperature	17	(77.050)	=	77.050 deg. F
temperature	18	(76.070)	=	76.070 deg. F
temperature	19	(75.600)	=	75.600 deg. F
temperature	20	(75.010)	=	75.010 deg. F
temperature	21	(74.620)	=	74.620 deg. F
temperature	22	(74.680)	=	74.680 deg. F
temperature	23	(73.890)	=	73.890 deg. F
temperature	24	(75.280)	=	75.280 deg. F
temperature	25	(74.140)	=	74.140 deg. F
temperature	26	(73.940)	=	73.940 deg. F
temperature	27	(74.020)	=	74.020 deg. F
temperature	28	(73.640)	=	73.640 deg. F
temperature	29	(73.640)	=	73.640 deg. F
temperature	30	(73.860)	=	73.860 deg. F
dewpoint	1	(73.460)	=	73.460 deg. F , 0.4080 psia
dewpoint	2	(73.890)	=	73.890 deg. F , 0.4140 psia
dewpoint	3	(71.850)	=	71.850 deg. F , 0.3865 psia
dewpoint	4	(56.120)	=	56.120 deg. F , 0.2228 psia
dewpoint	5	(57.530)	=	57.530 deg. F , 0.2344 psia
dewpoint	6	(56.150)	=	56.150 deg. F , 0.2230 psia
pressure	1	(60.17260)	=	60.1726 psia
pressure	2	(60.17110)	=	60.1711 psia

weighted averages, volume and air mass

temperature	=	78.70803 deg. F
pressure	=	60.17260 psia
vapor pressure	=	0.30649 psia
volume	=	2841900 cu. ft.
dry air mass	=	852963.76 lbm

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST

data set 8

time = 1345 date = 329

sensor		raw data		value
temperature	1	(83.590)	=	83.590 deg. F
temperature	2	(83.350)	=	83.350 deg. F
temperature	3	(83.170)	=	83.170 deg. F
temperature	4	(83.630)	=	83.630 deg. F
temperature	5	(83.650)	=	83.650 deg. F
temperature	6	(83.400)	=	83.400 deg. F
temperature	7	(83.210)	=	83.210 deg. F
temperature	8	(83.370)	=	83.370 deg. F
temperature	9	(82.970)	=	82.970 deg. F
temperature	10	(81.760)	=	81.760 deg. F
temperature	11	(80.720)	=	80.720 deg. F
temperature	12	(79.960)	=	79.960 deg. F
temperature	13	(79.660)	=	79.660 deg. F
temperature	14	(79.050)	=	79.050 deg. F
temperature	15	(78.480)	=	78.480 deg. F
temperature	16	(78.050)	=	78.050 deg. F
temperature	17	(77.050)	=	77.050 deg. F
temperature	18	(76.090)	=	76.090 deg. F
temperature	19	(75.610)	=	75.610 deg. F
temperature	20	(75.060)	=	75.060 deg. F
temperature	21	(74.660)	=	74.660 deg. F
temperature	22	(74.720)	=	74.720 deg. F
temperature	23	(73.920)	=	73.920 deg. F
temperature	24	(75.300)	=	75.300 deg. F
temperature	25	(74.200)	=	74.200 deg. F
temperature	26	(73.970)	=	73.970 deg. F
temperature	27	(74.050)	=	74.050 deg. F
temperature	28	(73.680)	=	73.680 deg. F
temperature	29	(73.690)	=	73.690 deg. F
temperature	30	(73.900)	=	73.900 deg. F
dewpoint	1	(73.360)	=	73.360 deg. F , 0.4067 psia
dewpoint	2	(73.710)	=	73.710 deg. F , 0.4115 psia
dewpoint	3	(69.960)	=	69.960 deg. F , 0.3624 psia
dewpoint	4	(56.190)	=	56.190 deg. F , 0.2234 psia
dewpoint	5	(57.780)	=	57.780 deg. F , 0.2366 psia
dewpoint	6	(56.230)	=	56.230 deg. F , 0.2237 psia
pressure	1	(60.16690)	=	60.1669 psia
pressure	2	(60.16550)	=	60.1655 psia

weighted averages, volume and air mass

temperature	=	78.66071 deg. F
pressure	=	60.16690 psia
vapor pressure	=	0.30609 psia
volume	=	2841900 cu. ft.
dry air mass	=	852963.19 lbm

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST

data set 9

time = 1400 date = 329

sensor	raw data	value
temperature 1	(83.470)	= 83.470 deg. F
temperature 2	(83.250)	= 83.250 deg. F
temperature 3	(83.050)	= 83.050 deg. F
temperature 4	(83.510)	= 83.510 deg. F
temperature 5	(83.550)	= 83.550 deg. F
temperature 6	(83.310)	= 83.310 deg. F
temperature 7	(83.100)	= 83.100 deg. F
temperature 8	(83.260)	= 83.260 deg. F
temperature 9	(82.850)	= 82.850 deg. F
temperature 10	(81.650)	= 81.650 deg. F
temperature 11	(80.630)	= 80.630 deg. F
temperature 12	(79.860)	= 79.860 deg. F
temperature 13	(79.560)	= 79.560 deg F
temperature 14	(78.980)	= 78.980 deg. F
temperature 15	(78.440)	= 78.440 deg. F
temperature 16	(78.030)	= 78.030 deg. F
temperature 17	(77.050)	= 77.050 deg. F
temperature 18	(76.120)	= 76.120 deg. F
temperature 19	(75.660)	= 75.660 deg. F
temperature 20	(75.030)	= 75.030 deg. F
temperature 21	(74.670)	= 74.670 deg. F
temperature 22	(74.730)	= 74.730 deg. F
temperature 23	(73.950)	= 73.950 deg. F
temperature 24	(75.330)	= 75.330 deg. F
temperature 25	(74.220)	= 74.220 deg. F
temperature 26	(73.990)	= 73.990 deg. F
temperature 27	(74.070)	= 74.070 deg. F
temperature 28	(73.710)	= 73.710 deg. F
temperature 29	(73.720)	= 73.720 deg. F
temperature 30	(73.890)	= 73.890 deg. F

dewpoint 1	(73.380)	= 73.380 deg. F	, 0.4069 psia
dewpoint 2	(73.770)	= 73.770 deg. F	, 0.4123 psia
dewpoint 3	(68.700)	= 68.700 deg. F	, 0.3471 psia
dewpoint 4	(56.250)	= 56.250 deg. F	, 0.2238 psia
dewpoint 5	(57.670)	= 57.670 deg. F	, 0.2356 psia
dewpoint 6	(56.250)	= 56.250 deg. F	, 0.2238 psia

pressure 1	(60.16140)	= 60.1614 psia
pressure 2	(60.15990)	= 60.1599 psia

weighted averages, volume and air mass

temperature	= 78.61456 deg. F
pressure	= 60.16140 psia
vapor pressure	= 0.30642 psia
volume	= 2841900 cu. ft.
dry air mass	= 852953.26 lbm

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST

data set 10

time = 1415 date = 329

sensor		raw data		value
temperature	1	(83.360)	=	83.360 deg. F
temperature	2	(83.130)	=	83.130 deg. F
temperature	3	(82.940)	=	82.940 deg. F
temperature	4	(83.390)	=	83.390 deg. F
temperature	5	(83.450)	=	83.450 deg. F
temperature	6	(83.160)	=	83.160 deg. F
temperature	7	(82.970)	=	82.970 deg. F
temperature	8	(83.150)	=	83.150 deg. F
temperature	9	(82.720)	=	82.720 deg. F
temperature	10	(81.530)	=	81.530 deg. F
temperature	11	(80.530)	=	80.530 deg. F
temperature	12	(79.760)	=	79.760 deg. F
temperature	13	(79.450)	=	79.450 deg. F
temperature	14	(78.900)	=	78.900 deg. F
temperature	15	(78.360)	=	78.360 deg. F
temperature	16	(78.010)	=	78.010 deg. F
temperature	17	(77.030)	=	77.030 deg. F
temperature	18	(76.100)	=	76.100 deg. F
temperature	19	(75.670)	=	75.670 deg. F
temperature	20	(75.070)	=	75.070 deg. F
temperature	21	(74.710)	=	74.710 deg. F
temperature	22	(74.760)	=	74.760 deg. F
temperature	23	(73.930)	=	73.930 deg. F
temperature	24	(75.360)	=	75.360 deg. F
temperature	25	(74.310)	=	74.310 deg. F
temperature	26	(74.010)	=	74.010 deg. F
temperature	27	(74.090)	=	74.090 deg. F
temperature	28	(73.740)	=	73.740 deg. F
temperature	29	(73.750)	=	73.750 deg. F
temperature	30	(73.920)	=	73.920 deg. F
dewpoint	1	(73.420)	=	73.420 deg. F , 0.4075 psia
dewpoint	2	(73.740)	=	73.740 deg. F , 0.4119 psia
dewpoint	3	(70.440)	=	70.440 deg. F , 0.3684 psia
dewpoint	4	(56.300)	=	56.300 deg. F , 0.2243 psia
dewpoint	5	(57.630)	=	57.630 deg. F , 0.2353 psia
dewpoint	6	(56.340)	=	56.340 deg. F , 0.2246 psia
pressure	1	(60.15610)	=	60.1561 psia
pressure	2	(60.15460)	=	60.1546 psia

weighted averages, volume and air mass

temperature	=	78.56308 deg. F
pressure	=	60.15610 psia
vapor pressure	=	0.30658 psia
volume	=	2841900 cu. ft.
dry air mass	=	852957.03 lbm

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST

data set 11

time = 1430 date = 329

sensor		raw data		value
temperature	1	(83.260)	=	83.260 deg. F
temperature	2	(83.030)	=	83.030 deg. F
temperature	3	(82.840)	=	82.840 deg. F
temperature	4	(83.300)	=	83.300 deg. F
temperature	5	(83.330)	=	83.330 deg. F
temperature	6	(83.060)	=	83.060 deg. F
temperature	7	(82.880)	=	82.880 deg. F
temperature	8	(83.030)	=	83.030 deg. F
temperature	9	(82.620)	=	82.620 deg. F
temperature	10	(81.430)	=	81.430 deg. F
temperature	11	(80.450)	=	80.450 deg. F
temperature	12	(79.700)	=	79.700 deg. F
temperature	13	(79.380)	=	79.380 deg. F
temperature	14	(78.820)	=	78.820 deg. F
temperature	15	(78.300)	=	78.300 deg. F
temperature	16	(77.980)	=	77.980 deg. F
temperature	17	(77.050)	=	77.050 deg. F
temperature	18	(76.110)	=	76.110 deg. F
temperature	19	(75.700)	=	75.700 deg. F
temperature	20	(75.090)	=	75.090 deg. F
temperature	21	(74.760)	=	74.760 deg. F
temperature	22	(74.830)	=	74.830 deg. F
temperature	23	(73.980)	=	73.980 deg. F
temperature	24	(75.380)	=	75.380 deg. F
temperature	25	(74.310)	=	74.310 deg. F
temperature	26	(74.050)	=	74.050 deg. F
temperature	27	(74.090)	=	74.090 deg. F
temperature	28	(73.770)	=	73.770 deg. F
temperature	29	(73.790)	=	73.790 deg. F
temperature	30	(73.940)	=	73.940 deg. F
dewpoint	1	(73.400)	=	73.400 deg. F , 0.4072 psia
dewpoint	2	(73.860)	=	73.860 deg. F , 0.4136 psia
dewpoint	3	(69.620)	=	69.620 deg. F , 0.3582 psia
dewpoint	4	(56.350)	=	56.350 deg. F , 0.2247 psia
dewpoint	5	(57.620)	=	57.620 deg. F , 0.2352 psia
dewpoint	6	(56.400)	=	56.400 deg. F , 0.2251 psia
pressure	1	(60.15070)	=	60.1507 psia
pressure	2	(60.14940)	=	60.1494 psia

weighted averages, volume and air mass

temperature	=	78.52665	deg. F
pressure	=	60.15070	psia
vapor pressure	=	0.30720	psia
volume	=	2841900	cu. ft.
dry air mass	=	852929.00	lbm

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST

data set 12

time = 1445 date = 329

sensor		raw data		value
temperature	1	(83.150)	=	83.150 deg. F
temperature	2	(82.920)	=	82.920 deg. F
temperature	3	(82.740)	=	82.740 deg. F
temperature	4	(83.190)	=	83.190 deg. F
temperature	5	(83.230)	=	83.230 deg. F
temperature	6	(82.960)	=	82.960 deg. F
temperature	7	(82.770)	=	82.770 deg. F
temperature	8	(82.940)	=	82.940 deg. F
temperature	9	(82.490)	=	82.490 deg. F
temperature	10	(81.320)	=	81.320 deg. F
temperature	11	(80.340)	=	80.340 deg. F
temperature	12	(79.630)	=	79.630 deg. F
temperature	13	(79.290)	=	79.290 deg. F
temperature	14	(78.740)	=	78.740 deg. F
temperature	15	(78.250)	=	78.250 deg. F
temperature	16	(77.950)	=	77.950 deg. F
temperature	17	(77.020)	=	77.020 deg. F
temperature	18	(76.150)	=	76.150 deg. F
temperature	19	(75.710)	=	75.710 deg. F
temperature	20	(75.130)	=	75.130 deg. F
temperature	21	(74.780)	=	74.780 deg. F
temperature	22	(74.840)	=	74.840 deg. F
temperature	23	(74.010)	=	74.010 deg. F
temperature	24	(75.400)	=	75.400 deg. F
temperature	25	(74.350)	=	74.350 deg. F
temperature	26	(74.070)	=	74.070 deg. F
temperature	27	(74.120)	=	74.120 deg. F
temperature	28	(73.800)	=	73.800 deg. F
temperature	29	(73.810)	=	73.810 deg. F
temperature	30	(73.960)	=	73.960 deg. F
dewpoint	1	(73.390)	=	73.390 deg. F , 0.4071 psia
dewpoint	2	(73.680)	=	73.680 deg. F , 0.4111 psia
dewpoint	3	(68.850)	=	68.850 deg. F , 0.3489 psia
dewpoint	4	(56.410)	=	56.410 deg. F , 0.2251 psia
dewpoint	5	(57.580)	=	57.580 deg. F , 0.2349 psia
dewpoint	6	(56.420)	=	56.420 deg. F , 0.2252 psia
pressure	1	(60.14560)	=	60.1456 psia
pressure	2	(60.14410)	=	60.1441 psia

weighted averages, volume and air mass

temperature	=	78.48285 deg. F
pressure	=	60.14560 psia
vapor pressure	=	0.30659 psia
volume	=	2841900 cu. ft.
dry air mass	=	852934.38 lbm

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST

data set 13

time = 1500 date = 329

sensor		raw data		value
temperature	1	(83.040)	=	83.040 deg. F
temperature	2	(82.810)	=	82.810 deg. F
temperature	3	(82.620)	=	82.620 deg. F
temperature	4	(83.090)	=	83.090 deg. F
temperature	5	(83.120)	=	83.120 deg. F
temperature	6	(82.860)	=	82.860 deg. F
temperature	7	(82.670)	=	82.670 deg. F
temperature	8	(82.840)	=	82.840 deg. F
temperature	9	(82.390)	=	82.390 deg. F
temperature	10	(81.230)	=	81.230 deg. F
temperature	11	(80.250)	=	80.250 deg. F
temperature	12	(79.540)	=	79.540 deg. F
temperature	13	(79.200)	=	79.200 deg. F
temperature	14	(78.680)	=	78.680 deg. F
temperature	15	(78.200)	=	78.200 deg. F
temperature	16	(77.920)	=	77.920 deg. F
temperature	17	(77.020)	=	77.020 deg. F
temperature	18	(76.140)	=	76.140 deg. F
temperature	19	(75.730)	=	75.730 deg. F
temperature	20	(75.150)	=	75.150 deg. F
temperature	21	(74.800)	=	74.800 deg. F
temperature	22	(74.830)	=	74.830 deg. F
temperature	23	(74.030)	=	74.030 deg. F
temperature	24	(75.430)	=	75.430 deg. F
temperature	25	(74.380)	=	74.380 deg. F
temperature	26	(74.090)	=	74.090 deg. F
temperature	27	(74.160)	=	74.160 deg. F
temperature	28	(73.830)	=	73.830 deg. F
temperature	29	(73.850)	=	73.850 deg. F
temperature	30	(74.000)	=	74.000 deg. F
dewpoint	1	(73.310)	=	73.310 deg. F , 0.4060 psia
dewpoint	2	(73.730)	=	73.730 deg. F , 0.4118 psia
dewpoint	3	(68.470)	=	68.470 deg. F , 0.3444 psia
dewpoint	4	(56.460)	=	56.460 deg. F , 0.2256 psia
dewpoint	5	(57.760)	=	57.760 deg. F , 0.2364 psia
dewpoint	6	(56.440)	=	56.440 deg. F , 0.2254 psia
pressure	1	(60.14060)	=	60.1406 psia
pressure	2	(60.13920)	=	60.1392 psia

weighted averages, volume and air mass

temperature	=	78.44057 deg. F
pressure	=	60.14060 psia
vapor pressure	=	0.30694 psia
volume	=	2841900 cu. ft.
dry air mass	=	852925.09 lbm

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST

data set 14

time = 1515 date = 329

sensor		raw data		value
temperature	1	(82.920)	=	82.920 deg. F
temperature	2	(82.700)	=	82.700 deg. F
temperature	3	(82.520)	=	82.520 deg. F
temperature	4	(82.960)	=	82.960 deg. F
temperature	5	(83.010)	=	83.010 deg. F
temperature	6	(82.750)	=	82.750 deg. F
temperature	7	(82.560)	=	82.560 deg. F
temperature	8	(82.720)	=	82.720 deg. F
temperature	9	(82.280)	=	82.280 deg. F
temperature	10	(81.110)	=	81.110 deg. F
temperature	11	(80.170)	=	80.170 deg. F
temperature	12	(79.470)	=	79.470 deg. F
temperature	13	(79.160)	=	79.160 deg. F
temperature	14	(78.610)	=	78.610 deg. F
temperature	15	(78.140)	=	78.140 deg. F
temperature	16	(77.890)	=	77.890 deg. F
temperature	17	(77.000)	=	77.000 deg. F
temperature	18	(76.150)	=	76.150 deg. F
temperature	19	(75.750)	=	75.750 deg. F
temperature	20	(75.180)	=	75.180 deg. F
temperature	21	(74.830)	=	74.830 deg. F
temperature	22	(74.870)	=	74.870 deg. F
temperature	23	(74.060)	=	74.060 deg. F
temperature	24	(75.450)	=	75.450 deg. F
temperature	25	(74.340)	=	74.340 deg. F
temperature	26	(74.120)	=	74.120 deg. F
temperature	27	(74.180)	=	74.180 deg. F
temperature	28	(73.860)	=	73.860 deg. F
temperature	29	(73.870)	=	73.870 deg. F
temperature	30	(74.020)	=	74.020 deg. F

dewpoint	1	(73.240)	=	73.240 deg. F ,	0.4050 psia
dewpoint	2	(73.740)	=	73.740 deg. F ,	0.4119 psia
dewpoint	3	(69.810)	=	69.810 deg. F ,	0.3606 psia
dewpoint	4	(56.530)	=	56.530 deg. F ,	0.2261 psia
dewpoint	5	(57.800)	=	57.800 deg. F ,	0.2367 psia
dewpoint	6	(56.500)	=	56.500 deg. F ,	0.2259 psia

pressure	1	(60.13580)	=	60.1358 psia
pressure	2	(60.13440)	=	60.1344 psia

weighted averages, volume and air mass

temperature	=	78.39626 deg. F
pressure	=	60.13580 psia
vapor pressure	=	0.30712 psia
volume	=	2841900 cu. ft.
dry air mass	=	852924.39 lbm

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST

data set 15

time = 1530 date = 329

sensor		raw data		value
temperature	1	(82.840)	=	82.840 deg. F
temperature	2	(82.620)	=	82.620 deg. F
temperature	3	(82.430)	=	82.430 deg. F
temperature	4	(82.880)	=	82.880 deg. F
temperature	5	(82.920)	=	82.920 deg. F
temperature	6	(82.640)	=	82.640 deg. F
temperature	7	(82.470)	=	82.470 deg. F
temperature	8	(82.630)	=	82.630 deg. F
temperature	9	(82.170)	=	82.170 deg. F
temperature	10	(81.030)	=	81.030 deg. F
temperature	11	(80.090)	=	80.090 deg. F
temperature	12	(79.400)	=	79.400 deg. F
temperature	13	(79.090)	=	79.090 deg. F
temperature	14	(78.560)	=	78.560 deg. F
temperature	15	(78.100)	=	78.100 deg. F
temperature	16	(77.860)	=	77.860 deg. F
temperature	17	(77.010)	=	77.010 deg. F
temperature	18	(76.140)	=	76.140 deg. F
temperature	19	(75.760)	=	75.760 deg. F
temperature	20	(75.210)	=	75.210 deg. F
temperature	21	(74.860)	=	74.860 deg. F
temperature	22	(74.910)	=	74.910 deg. F
temperature	23	(74.140)	=	74.140 deg. F
temperature	24	(75.480)	=	75.480 deg. F
temperature	25	(74.400)	=	74.400 deg. F
temperature	26	(74.150)	=	74.150 deg. F
temperature	27	(74.210)	=	74.210 deg. F
temperature	28	(73.900)	=	73.900 deg. F
temperature	29	(73.910)	=	73.910 deg. F
temperature	30	(74.040)	=	74.040 deg. F
dewpoint	1	(73.320)	=	73.320 deg. F , 0.4061 psia
dewpoint	2	(73.750)	=	73.750 deg. F , 0.4120 psia
dewpoint	3	(70.380)	=	70.380 deg. F , 0.3677 psia
dewpoint	4	(56.560)	=	56.560 deg. F , 0.2264 psia
dewpoint	5	(57.840)	=	57.840 deg. F , 0.2371 psia
dewpoint	6	(56.590)	=	56.590 deg. F , 0.2266 psia
pressure	1	(60.13180)	=	60.1318 psia
pressure	2	(60.13030)	=	60.1303 psia

weighted averages, volume and air mass

temperature	=	78.36550 deg. F
pressure	=	60.13180 psia
vapor pressure	=	0.30756 psia
volume	=	2841900 cu. ft.
dry air mass	=	852909.90 lbm

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST

data set 16

time = 1545 date = 329

sensor		raw data		value
temperature	1	(82.740)	=	82.740 deg. F
temperature	2	(82.520)	=	82.520 deg. F
temperature	3	(82.330)	=	82.330 deg. F
temperature	4	(82.770)	=	82.770 deg. F
temperature	5	(82.820)	=	82.820 deg. F
temperature	6	(82.540)	=	82.540 deg. F
temperature	7	(82.370)	=	82.370 deg. F
temperature	8	(82.540)	=	82.540 deg. F
temperature	9	(82.090)	=	82.090 deg. F
temperature	10	(80.920)	=	80.920 deg. F
temperature	11	(79.990)	=	79.990 deg. F
temperature	12	(79.340)	=	79.340 deg. F
temperature	13	(79.010)	=	79.010 deg. F
temperature	14	(78.500)	=	78.500 deg. F
temperature	15	(78.040)	=	78.040 deg. F
temperature	16	(77.830)	=	77.830 deg. F
temperature	17	(77.000)	=	77.000 deg. F
temperature	18	(76.150)	=	76.150 deg. F
temperature	19	(75.790)	=	75.790 deg. F
temperature	20	(75.280)	=	75.280 deg. F
temperature	21	(74.890)	=	74.890 deg. F
temperature	22	(74.960)	=	74.960 deg. F
temperature	23	(74.250)	=	74.250 deg. F
temperature	24	(75.510)	=	75.510 deg. F
temperature	25	(74.390)	=	74.390 deg. F
temperature	26	(74.200)	=	74.200 deg. F
temperature	27	(74.270)	=	74.270 deg. F
temperature	28	(73.930)	=	73.930 deg. F
temperature	29	(73.960)	=	73.960 deg. F
temperature	30	(74.100)	=	74.100 deg. F
dewpoint	1	(73.290)	=	73.290 deg. F , 0.4057 psia
dewpoint	2	(73.610)	=	73.610 deg. F , 0.4101 psia
dewpoint	3	(69.140)	=	69.140 deg. F , 0.3524 psia
dewpoint	4	(56.630)	=	56.630 deg. F , 0.2269 psia
dewpoint	5	(57.820)	=	57.820 deg. F , 0.2369 psia
dewpoint	6	(56.660)	=	56.660 deg. F , 0.2272 psia
pressure	1	(60.12790)	=	60.1279 psia
pressure	2	(60.12680)	=	60.1268 psia

weighted averages, volume and air mass

temperature	=	78.33488 deg. F
pressure	=	60.12790 psia
vapor pressure	=	0.30718 psia
volume	=	2841900 cu. ft.
dry air mass	=	852908.16 lbm

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST

data set 17

time = 1600 date = 329

sensor		raw data		value
temperature	1	(82.650)	=	82.650 deg. F
temperature	2	(82.420)	=	82.420 deg. F
temperature	3	(82.220)	=	82.220 deg. F
temperature	4	(82.680)	=	82.680 deg. F
temperature	5	(82.730)	=	82.730 deg. F
temperature	6	(82.440)	=	82.440 deg. F
temperature	7	(82.300)	=	82.300 deg. F
temperature	8	(82.440)	=	82.440 deg. F
temperature	9	(81.980)	=	81.980 deg. F
temperature	10	(80.830)	=	80.830 deg. F
temperature	11	(79.920)	=	79.920 deg. F
temperature	12	(79.260)	=	79.260 deg. F
temperature	13	(78.930)	=	78.930 deg. F
temperature	14	(78.450)	=	78.450 deg. F
temperature	15	(78.000)	=	78.000 deg. F
temperature	16	(77.810)	=	77.810 deg. F
temperature	17	(77.000)	=	77.000 deg. F
temperature	18	(76.180)	=	76.180 deg. F
temperature	19	(75.820)	=	75.820 deg. F
temperature	20	(75.300)	=	75.300 deg. F
temperature	21	(74.950)	=	74.950 deg. F
temperature	22	(75.020)	=	75.020 deg. F
temperature	23	(74.340)	=	74.340 deg. F
temperature	24	(75.550)	=	75.550 deg. F
temperature	25	(74.450)	=	74.450 deg. F
temperature	26	(74.240)	=	74.240 deg. F
temperature	27	(74.300)	=	74.300 deg. F
temperature	28	(73.960)	=	73.960 deg. F
temperature	29	(73.990)	=	73.990 deg. F
temperature	30	(74.130)	=	74.130 deg. F

dewpoint	1	(73.280)	=	73.280 deg. F	, 0.4056 psia
dewpoint	2	(73.650)	=	73.650 deg. F	, 0.4107 psia
dewpoint	3	(70.000)	=	70.000 deg. F	, 0.3629 psia
dewpoint	4	(56.680)	=	56.680 deg. F	, 0.2274 psia
dewpoint	5	(58.030)	=	58.030 deg. F	, 0.2387 psia
dewpoint	6	(56.740)	=	56.740 deg. F	, 0.2278 psia

pressure	1	(60.12460)	=	60.1246 psia
pressure	2	(60.12320)	=	60.1232 psia

weighted averages, volume and air mass

temperature	=	78.30647 deg. F
pressure	=	60.12460 psia
vapor pressure	=	0.30776 psia
volume	=	2841900 cu. ft.
dry air mass	=	852897.95 lbm

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST

data set 18

time = 1615 date = 329

sensor	raw data	value
temperature 1	(82.550)	= 82.550 deg. F
temperature 2	(82.330)	= 82.330 deg. F
temperature 3	(82.150)	= 82.150 deg. F
temperature 4	(82.600)	= 82.600 deg. F
temperature 5	(82.630)	= 82.630 deg. F
temperature 6	(82.360)	= 82.360 deg. F
temperature 7	(82.190)	= 82.190 deg. F
temperature 8	(82.350)	= 82.350 deg. F
temperature 9	(81.900)	= 81.900 deg. F
temperature 10	(80.760)	= 80.760 deg. F
temperature 11	(79.860)	= 79.860 deg. F
temperature 12	(79.200)	= 79.200 deg. F
temperature 13	(78.900)	= 78.900 deg. F
temperature 14	(78.410)	= 78.410 deg. F
temperature 15	(77.960)	= 77.960 deg. F
temperature 16	(77.790)	= 77.790 deg. F
temperature 17	(76.990)	= 76.990 deg. F
temperature 18	(76.160)	= 76.160 deg. F
temperature 19	(75.860)	= 75.860 deg. F
temperature 20	(75.300)	= 75.300 deg. F
temperature 21	(74.960)	= 74.960 deg. F
temperature 22	(75.010)	= 75.010 deg. F
temperature 23	(74.160)	= 74.160 deg. F
temperature 24	(75.550)	= 75.550 deg. F
temperature 25	(74.480)	= 74.480 deg. F
temperature 26	(74.240)	= 74.240 deg. F
temperature 27	(74.300)	= 74.300 deg. F
temperature 28	(73.990)	= 73.990 deg. F
temperature 29	(74.000)	= 74.000 deg. F
temperature 30	(74.130)	= 74.130 deg. F
dewpoint 1	(73.260)	= 73.260 deg. F , 0.4053 psia
dewpoint 2	(73.660)	= 73.660 deg. F , 0.4108 psia
dewpoint 3	(70.000)	= 70.000 deg. F , 0.3629 psia
dewpoint 4	(56.740)	= 56.740 deg. F , 0.2278 psia
dewpoint 5	(58.020)	= 58.020 deg. F , 0.2386 psia
dewpoint 6	(56.740)	= 56.740 deg. F , 0.2278 psia
pressure 1	(60.11820)	= 60.1182 psia
pressure 2	(60.11690)	= 60.1169 psia

weighted averages, volume and air mass

temperature	=	78.26321 deg. F
pressure	=	60.11820 psia
vapor pressure	=	0.30788 psia
volume	=	2841900 cu. ft.
dry air mass	=	852873.50 lbm

VOGTL[illegible] UNIT 1-1990 ILRT-TYPE A TEST

data set 19

time = 1630 date = 329

sensor		raw data		value
temperature	1	(82.460)	=	82.460 deg. F
temperature	2	(82.250)	=	82.250 deg. F
temperature	3	(82.060)	=	82.060 deg. F
temperature	4	(82.500)	=	82.500 deg. F
temperature	5	(82.550)	=	82.550 deg. F
temperature	6	(82.[illegible]50)	=	82.260 deg. F
temperature	7	(82.110)	=	82.110 deg. F
temperature	8	(82.260)	=	82.260 deg. F
temperature	9	(81.810)	=	81.810 deg. F
temperature	10	(80.670)	=	80.670 deg. F
temperature	11	(79.770)	=	79.770 deg. F
temperature	12	(79.120)	=	79.120 deg. F
temperature	13	(78.840)	=	78.840 deg. F
temperature	14	(78.360)	=	78.360 deg. F
temperature	15	(77.900)	=	77.900 deg. F
temperature	16	(77.760)	=	77.760 deg. F
temperature	17	(76.980)	=	76.980 deg. F
temperature	18	(76.180)	=	76.180 deg. F
temperature	19	(75.850)	=	75.850 deg. F
temperature	20	(75.290)	=	75.290 deg. F
temperature	21	(74.960)	=	74.960 deg. F
temperature	22	(74.980)	=	74.980 deg. F
temperature	23	(74.160)	=	74.160 deg. F
[illegible]erature	24	(75.560)	=	75.560 deg. F
temperature	25	(74.500)	=	74.500 deg. F
temperature	26	(74.230)	=	74.230 deg. F
temperature	27	(74.320)	=	74.320 deg. F
temperature	28	(74.000)	=	74.000 deg. F
temperature	29	(74.010)	=	74.010 deg. F
temperature	30	(74.140)	=	74.140 deg. F

dewpoint	1	(73.270)	=	73.270 deg. F	, 0.4054 psia
dewpoint	2	(73.650)	=	73.650 deg. F	, 0.4107 psia
dewpoint	3	(68.060)	=	68.060 deg. F	, 0.3396 psia
dewpoint	4	(56.790)	=	56.790 deg. F	, 0.2283 psia
dewpoint	5	(58.150)	=	58.150 deg. F	, 0.2397 psia
dewpoint	6	(56.800)	=	56.800 deg. F	, 0.2283 psia

pressure	1	(60.11340)	=	60.1134 psia
pressure	2	(60.11190)	=	60.1119 psia

weighted averages, volume and air mass

temperature	=	78.21934 deg. F
pressure	=	60.11340 psia
vapor pressure	=	0.30819 psia
volume	=	2841900 cu. ft.
dry air mass	=	852870.18 lbm

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST

data set 20

time = 1645 date = 329

sensor		raw data		value
temperature	1	(82.370)	=	82.370 deg. F
temperature	2	(82.160)	=	82.160 deg. F
temperature	3	(81.960)	=	81.960 deg. F
temperature	4	(82.410)	=	82.410 deg. F
temperature	5	(82.450)	=	82.450 deg. F
temperature	6	(82.180)	=	82.180 deg. F
temperature	7	(82.010)	=	82.010 deg. F
temperature	8	(82.160)	=	82.160 deg. F
temperature	9	(81.720)	=	81.720 deg. F
temperature	10	(80.570)	=	80.570 deg. F
temperature	11	(79.700)	=	79.700 deg. F
temperature	12	(79.060)	=	79.060 deg. F
temperature	13	(78.770)	=	78.770 deg. F
temperature	14	(78.320)	=	78.320 deg. F
temperature	15	(77.870)	=	77.870 deg. F
temperature	16	(77.730)	=	77.730 deg. F
temperature	17	(76.980)	=	76.980 deg. F
temperature	18	(76.180)	=	76.180 deg. F
temperature	19	(75.850)	=	75.850 deg. F
temperature	20	(75.320)	=	75.320 deg. F
temperature	21	(74.970)	=	74.970 deg. F
temperature	22	(75.030)	=	75.030 deg. F
temperature	23	(74.160)	=	74.160 deg. F
temperature	24	(75.580)	=	75.580 deg. F
temperature	25	(74.520)	=	74.520 deg. F
temperature	26	(74.260)	=	74.260 deg. F
temperature	27	(74.320)	=	74.320 deg. F
temperature	28	(74.010)	=	74.010 deg. F
temperature	29	(74.020)	=	74.020 deg. F
temperature	30	(74.140)	=	74.140 deg. F
dewpoint	1	(73.280)	=	73.280 deg. F , 0.4056 psia
dewpoint	2	(73.660)	=	73.660 deg. F , 0.4108 psia
dewpoint	3	(70.820)	=	70.820 deg. F , 0.3732 psia
dewpoint	4	(56.850)	=	56.850 deg. F , 0.2288 psia
dewpoint	5	(58.050)	=	58.050 deg. F , 0.2389 psia
dewpoint	6	(56.830)	=	56.830 deg. F , 0.2286 psia
pressure	1	(60.10900)	=	60.1090 psia
pressure	2	(60.10760)	=	60.1076 psia

weighted averages, volume and air mass

temperature	=	78.18111 deg. F
pressure	=	60.10900 psia
vapor pressure	=	0.30833 psia
volume	=	2841900 cu. ft.
dry air mass	=	852866.13 lbm

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST

data set 21

time = 1700 date = 329

sensor		raw data		value
temperature	1	(82.280)	=	82.280 deg. F
temperature	2	(82.070)	=	82.070 deg. F
temperature	3	(81.870)	=	81.870 deg. F
temperature	4	(82.320)	=	82.320 deg. F
temperature	5	(82.370)	=	82.370 deg. F
temperature	6	(82.080)	=	82.080 deg. F
temperature	7	(81.900)	=	81.900 deg. F
temperature	8	(82.070)	=	82.070 deg. F
temperature	9	(81.630)	=	81.630 deg. F
temperature	10	(80.490)	=	80.490 deg. F
temperature	11	(79.640)	=	79.640 deg. F
temperature	12	(79.000)	=	79.000 deg. F
temperature	13	(78.740)	=	78.740 deg. F
temperature	14	(78.260)	=	78.260 deg. F
temperature	15	(77.830)	=	77.830 deg. F
temperature	16	(77.690)	=	77.690 deg. F
temperature	17	(76.950)	=	76.950 deg. F
temperature	18	(76.170)	=	76.170 deg. F
temperature	19	(75.860)	=	75.860 deg. F
temperature	20	(75.340)	=	75.340 deg. F
temperature	21	(74.980)	=	74.980 deg. F
temperature	22	(75.070)	=	75.070 deg. F
temperature	23	(74.200)	=	74.200 deg. F
temperature	24	(75.580)	=	75.580 deg. F
temperature	25	(74.520)	=	74.520 deg. F
temperature	26	(74.280)	=	74.280 deg. F
temperature	27	(74.350)	=	74.350 deg. F
temperature	28	(74.050)	=	74.050 deg. F
temperature	29	(74.060)	=	74.060 deg. F
temperature	30	(74.160)	=	74.160 deg. F

dewpoint	1	(73.140)	=	73.140 deg. F	, 0.4037 psia
dewpoint	2	(73.640)	=	73.640 deg. F	, 0.4105 psia
dewpoint	3	(69.770)	=	69.770 deg. F	, 0.3601 psia
dewpoint	4	(56.870)	=	56.870 deg. F	, 0.2289 psia
dewpoint	5	(58.060)	=	58.060 deg. F	, 0.2389 psia
dewpoint	6	(56.890)	=	56.890 deg. F	, 0.2291 psia

pressure	1	(60.10460)	=	60.1046 psia
pressure	2	(60.10330)	=	60.1033 psia

weighted averages, volume and air mass

temperature	=	78.14621 deg. F
pressure	=	60.10460 psia
vapor pressure	=	0.30810 psia
volume	=	2841900 cu. ft.
dry air mass	=	852861.91 lbm

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST

data set 22

time = 1715 date = 329

sensor		raw data		value
temperature	1	(82.200)	=	82.200 deg. F
temperature	2	(81.990)	=	81.990 deg. F
temperature	3	(81.790)	=	81.790 deg. F
temperature	4	(82.230)	=	82.230 deg. F
temperature	5	(82.280)	=	82.280 deg. F
temperature	6	(81.990)	=	81.990 deg. F
temperature	7	(81.850)	=	81.850 deg. F
temperature	8	(81.980)	=	81.980 deg. F
temperature	9	(81.560)	=	81.560 deg. F
temperature	10	(80.410)	=	80.410 deg. F
temperature	11	(79.560)	=	79.560 deg. F
temperature	12	(78.940)	=	78.940 deg. F
temperature	13	(78.620)	=	78.620 deg. F
temperature	14	(78.220)	=	78.220 deg. F
temperature	15	(77.790)	=	77.790 deg. F
temperature	16	(77.660)	=	77.660 deg. F
temperature	17	(76.950)	=	76.950 deg. F
temperature	18	(76.170)	=	76.170 deg. F
temperature	19	(75.880)	=	75.880 deg. F
temperature	20	(75.340)	=	75.340 deg. F
temperature	21	(75.000)	=	75.000 deg. F
temperature	22	(75.080)	=	75.080 deg. F
temperature	23	(74.160)	=	74.160 deg. F
temperature	24	(75.610)	=	75.610 deg. F
temperature	25	(74.590)	=	74.590 deg. F
temperature	26	(74.290)	=	74.290 deg. F
temperature	27	(74.370)	=	74.370 deg. F
temperature	28	(74.060)	=	74.060 deg. F
temperature	29	(74.080)	=	74.080 deg. F
temperature	30	(74.160)	=	74.160 deg. F
dewpoint	1	(73.230)	=	73.230 deg. F , 0.4049 psia
dewpoint	2	(73.600)	=	73.600 deg. F , 0.4100 psia
dewpoint	3	(69.930)	=	69.930 deg. F , 0.3621 psia
dewpoint	4	(56.930)	=	56.930 deg. F , 0.2294 psia
dewpoint	5	(58.120)	=	58.120 deg. F , 0.2395 psia
dewpoint	6	(56.960)	=	56.960 deg. F , 0.2297 psia
pressure	1	(60.10060)	=	60.1006 psia
pressure	2	(60.09930)	=	60.0993 psia

weighted averages, volume and air mass

temperature	=	78.10896 deg. F
pressure	=	60.10060 psia
vapor pressure	=	0.30843 psia
volume	=	2841900 cu. ft.
dry air mass	=	852859.32 lbm

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST

data set 23

time = 1730 date = 329

sensor		raw data		value
temperature	1	(82.130)	=	82.130 deg. F
temperature	2	(81.920)	=	81.920 deg. F
temperature	3	(81.730)	=	81.730 deg. F
temperature	4	(82.150)	=	82.150 deg. F
temperature	5	(82.190)	=	82.190 deg. F
temperature	6	(81.900)	=	81.900 deg. F
temperature	7	(81.770)	=	81.770 deg. F
temperature	8	(81.900)	=	81.900 deg. F
temperature	9	(81.470)	=	81.470 deg. F
temperature	10	(80.340)	=	80.340 deg. F
temperature	11	(79.490)	=	79.490 deg. F
temperature	12	(78.890)	=	78.890 deg. F
temperature	13	(78.550)	=	78.550 deg. F
temperature	14	(78.190)	=	78.190 deg. F
temperature	15	(77.760)	=	77.760 deg. F
temperature	16	(77.640)	=	77.640 deg. F
temperature	17	(76.950)	=	76.950 deg. F
temperature	18	(76.190)	=	76.190 deg. F
temperature	19	(75.890)	=	75.890 deg. F
temperature	20	(75.370)	=	75.370 deg. F
temperature	21	(75.010)	=	75.010 deg. F
temperature	22	(75.100)	=	75.100 deg. F
temperature	23	(74.170)	=	74.170 deg. F
temperature	24	(75.630)	=	75.630 deg. F
temperature	25	(74.600)	=	74.600 deg. F
temperature	26	(74.310)	=	74.310 deg. F
temperature	27	(74.380)	=	74.380 deg. F
temperature	28	(74.070)	=	74.070 deg. F
temperature	29	(74.090)	=	74.090 deg. F
temperature	30	(74.170)	=	74.170 deg. F
dewpoint	1	(73.240)	=	73.240 deg. F , 0.4050 psia
dewpoint	2	(73.660)	=	73.660 deg. F , 0.4108 psia
dewpoint	3	(70.950)	=	70.950 deg. F , 0.3749 psia
dewpoint	4	(56.980)	=	56.980 deg. F , 0.2298 psia
dewpoint	5	(58.170)	=	58.170 deg. F , 0.2399 psia
dewpoint	6	(56.960)	=	56.960 deg. F , 0.2297 psia
pressure	1	(60.09650)	=	60.0965 psia
pressure	2	(60.09540)	=	60.0954 psia

weighted averages, volume and air mass

temperature	=	78.07755 deg. F
pressure	=	60.09650 psia
vapor pressure	=	0.30885 psia
volume	=	2841900 cu. ft.
dry air mass	=	852844.64 lbm

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST

data set 24

time = 1745 date = 329

sensor		raw data		value
temperature	1	(82.040)	=	82.040 deg. F
temperature	2	(81.830)	=	81.830 deg. F
temperature	3	(81.640)	=	81.640 deg. F
temperature	4	(82.080)	=	82.080 deg. F
temperature	5	(82.110)	=	82.110 deg. F
temperature	6	(81.840)	=	81.840 deg. F
temperature	7	(81.690)	=	81.690 deg. F
temperature	8	(81.820)	=	81.820 deg. F
temperature	9	(81.400)	=	81.400 deg. F
temperature	10	(80.250)	=	80.250 deg. F
temperature	11	(79.440)	=	79.440 deg. F
temperature	12	(78.830)	=	78.830 deg. F
temperature	13	(78.490)	=	78.490 deg. F
temperature	14	(78.150)	=	78.150 deg. F
temperature	15	(77.730)	=	77.730 deg. F
temperature	16	(77.620)	=	77.620 deg. F
temperature	17	(76.940)	=	76.940 deg. F
temperature	18	(76.190)	=	76.190 deg. F
temperature	19	(75.910)	=	75.910 deg. F
temperature	20	(75.390)	=	75.390 deg. F
temperature	21	(75.020)	=	75.020 deg. F
temperature	22	(75.150)	=	75.150 deg. F
temperature	23	(74.170)	=	74.170 deg. F
temperature	24	(75.630)	=	75.630 deg. F
temperature	25	(74.630)	=	74.630 deg. F
temperature	26	(74.320)	=	74.320 deg. F
temperature	27	(74.400)	=	74.400 deg. F
temperature	28	(74.090)	=	74.090 deg. F
temperature	29	(74.100)	=	74.100 deg. F
temperature	30	(74.180)	=	74.180 deg. F

dewpoint	1	(73.170)	=	73.170 deg. F	, 0.4041 psia
dewpoint	2	(73.610)	=	73.610 deg. F	, 0.4101 psia
dewpoint	3	(69.040)	=	69.040 deg. F	, 0.3512 psia
dewpoint	4	(57.020)	=	57.020 deg. F	, 0.2302 psia
dewpoint	5	(58.110)	=	58.110 deg. F	, 0.2394 psia
dewpoint	6	(57.040)	=	57.040 deg. F	, 0.2303 psia

pressure	1	(60.09250)	=	60.0925 psia
pressure	2	(60.09150)	=	60.0915 psia

weighted averages, volume and air mass

temperature	=	78.04656 deg. F
pressure	=	60.09250 psia
vapor pressure	=	0.30865 psia
volume	=	2841900 cu. ft.
dry air mass	=	852839.50 lbm

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST

data set 25

time = 1800 date = 329

sensor		raw data		value
temperature	1	(81.950)	=	81.950 deg. F
temperature	2	(81.750)	=	81.750 deg. F
temperature	3	(81.550)	=	81.550 deg. F
temperature	4	(81.990)	=	81.990 deg. F
temperature	5	(82.030)	=	82.030 deg. F
temperature	6	(81.760)	=	81.760 deg. F
temperature	7	(81.600)	=	81.600 deg. F
temperature	8	(81.730)	=	81.730 deg. F
temperature	9	(81.300)	=	81.300 deg. F
temperature	10	(80.170)	=	80.170 deg. F
temperature	11	(79.360)	=	79.360 deg. F
temperature	12	(78.770)	=	78.770 deg. F
temperature	13	(78.460)	=	78.460 deg. F
temperature	14	(78.110)	=	78.110 deg. F
temperature	15	(77.680)	=	77.680 deg. F
temperature	16	(77.590)	=	77.590 deg. F
temperature	17	(76.910)	=	76.910 deg. F
temperature	18	(76.160)	=	76.160 deg. F
temperature	19	(75.910)	=	75.910 deg. F
temperature	20	(75.390)	=	75.390 deg. F
temperature	21	(75.030)	=	75.030 deg. F
temperature	22	(75.150)	=	75.150 deg. F
temperature	23	(74.190)	=	74.190 deg. F
temperature	24	(75.650)	=	75.650 deg. F
temperature	25	(74.640)	=	74.640 deg. F
temperature	26	(74.340)	=	74.340 deg. F
temperature	27	(74.410)	=	74.410 deg. F
temperature	28	(74.100)	=	74.100 deg. F
temperature	29	(74.120)	=	74.120 deg. F
temperature	30	(74.210)	=	74.210 deg. F

dewpoint	1	(73.190)	=	73.190 deg. F	, 0.4043 psia
dewpoint	2	(73.610)	=	73.610 deg. F	, 0.4101 psia
dewpoint	3	(70.550)	=	70.550 deg. F	, 0.3698 psia
dewpoint	4	(57.080)	=	57.080 deg. F	, 0.2307 psia
dewpoint	5	(58.200)	=	58.200 deg. F	, 0.2401 psia
dewpoint	6	(57.110)	=	57.110 deg. F	, 0.2309 psia

pressure	1	(60.08870)	=	60.0887 psia
pressure	2	(60.08770)	=	60.0877 psia

weighted averages, volume and air mass

temperature	=	78.00819 deg. F
pressure	=	60.08870 psia
vapor pressure	=	0.30902 psia
volume	=	2841900 cu. ft.
dry air mass	=	852840.87 lbm

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST

data set 26

time = 1815 date = 329

sensor		raw data		value
temperature	1	(81.890)	=	81.890 deg. F
temperature	2	(81.670)	=	81.670 deg. F
temperature	3	(81.470)	=	81.470 deg. F
temperature	4	(81.920)	=	81.920 deg. F
temperature	5	(81.940)	=	81.940 deg. F
temperature	6	(81.680)	=	81.680 deg. F
temperature	7	(81.510)	=	81.510 deg. F
temperature	8	(81.660)	=	81.660 deg. F
temperature	9	(81.240)	=	81.240 deg. F
temperature	10	(80.090)	=	80.090 deg. F
temperature	11	(79.300)	=	79.300 deg. F
temperature	12	(78.730)	=	78.730 deg. F
temperature	13	(78.410)	=	78.410 deg. F
temperature	14	(78.060)	=	78.060 deg. F
temperature	15	(77.650)	=	77.650 deg. F
temperature	16	(77.550)	=	77.550 deg. F
temperature	17	(76.910)	=	76.910 deg. F
temperature	18	(76.170)	=	76.170 deg. F
temperature	19	(75.920)	=	75.920 deg. F
temperature	20	(75.390)	=	75.390 deg. F
temperature	21	(75.060)	=	75.060 deg. F
temperature	22	(75.150)	=	75.150 deg. F
temperature	23	(74.200)	=	74.200 deg. F
temperature	24	(75.660)	=	75.660 deg. F
temperature	25	(74.630)	=	74.630 deg. F
temperature	26	(74.350)	=	74.350 deg. F
temperature	27	(74.420)	=	74.420 deg. F
temperature	28	(74.120)	=	74.120 deg. F
temperature	29	(74.150)	=	74.150 deg. F
temperature	30	(74.210)	=	74.210 deg. F

dewpoint	1	(73.160)	=	73.160 deg. F	, 0.4039 psia
dewpoint	2	(73.570)	=	73.570 deg. F	, 0.4095 psia
dewpoint	3	(70.120)	=	70.120 deg. F	, 0.3644 psia
dewpoint	4	(57.120)	=	57.120 deg. F	, 0.2310 psia
dewpoint	5	(58.240)	=	58.240 deg. F	, 0.2405 psia
dewpoint	6	(57.100)	=	57.100 deg. F	, 0.2308 psia

pressure	1	(60.08470)	=	60.0847 psia
pressure	2	(60.08400)	=	60.0840 psia

weighted averages, volume and air mass

temperature	=	77.97585 deg. F
pressure	=	60.08470 psia
vapor pressure	=	0.30892 psia
volume	=	2841900 cu. ft.
dry air mass	=	852836.57 lbm

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST

data set 27

time = 1830 date = 329

sensor		raw data		value
temperature	1	(81.800)	=	81.800 deg. F
temperature	2	(81.600)	=	81.600 deg. F
temperature	3	(81.380)	=	81.380 deg. F
temperature	4	(81.860)	=	81.860 deg. F
temperature	5	(81.880)	=	81.880 deg. F
temperature	6	(81.620)	=	81.620 deg. F
temperature	7	(81.470)	=	81.470 deg. F
temperature	8	(81.570)	=	81.570 deg. F
temperature	9	(81.180)	=	81.180 deg. F
temperature	10	(80.030)	=	80.030 deg. F
temperature	11	(79.250)	=	79.250 deg. F
temperature	12	(78.680)	=	78.680 deg. F
temperature	13	(78.390)	=	78.390 deg. F
temperature	14	(78.050)	=	78.050 deg. F
temperature	15	(77.610)	=	77.610 deg. F
temperature	16	(77.540)	=	77.540 deg. F
temperature	17	(76.900)	=	76.900 deg. F
temperature	18	(76.190)	=	76.190 deg. F
temperature	19	(75.940)	=	75.940 deg. F
temperature	20	(75.420)	=	75.420 deg. F
temperature	21	(75.070)	=	75.070 deg. F
temperature	22	(75.170)	=	75.170 deg. F
temperature	23	(74.210)	=	74.210 deg. F
temperature	24	(75.670)	=	75.670 deg. F
temperature	25	(74.680)	=	74.680 deg. F
temperature	26	(74.360)	=	74.360 deg. F
temperature	27	(74.430)	=	74.430 deg. F
temperature	28	(74.130)	=	74.130 deg. F
temperature	29	(74.160)	=	74.160 deg. F
temperature	30	(74.230)	=	74.230 deg. F

dewpoint	1	(73.130)	=	73.130 deg. F , 0.4025 psia
dewpoint	2	(73.600)	=	73.600 deg. F , 0.4100 psia
dewpoint	3	(69.820)	=	69.820 deg. F , 0.3607 psia
dewpoint	4	(57.180)	=	57.180 deg. F , 0.2315 psia
dewpoint	5	(58.240)	=	58.240 deg. F , 0.2405 psia
dewpoint	6	(57.160)	=	57.160 deg. F , 0.2313 psia

pressure	1	(60.08110)	=	60.0811 psia
pressure	2	(60.08020)	=	60.0802 psia

weighted averages, volume and air mass

temperature	=	77.95300 deg. F
pressure	=	60.08110 psia
vapor pressure	=	0.30920 psia
volume	=	2841900 cu. ft.
dry air mass	=	852817.47 lbm

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST

data set 28

time = 1845 date = 329

sensor		raw data		value
temperature	1	(81.740)	=	81.740 deg. F
temperature	2	(81.540)	=	81.540 deg. F
temperature	3	(81.330)	=	81.330 deg. F
temperature	4	(81.770)	=	81.770 deg. F
temperature	5	(81.820)	=	81.820 deg. F
temperature	6	(81.520)	=	81.520 deg. F
temperature	7	(81.390)	=	81.390 deg. F
temperature	8	(81.500)	=	81.500 deg. F
temperature	9	(81.090)	=	81.090 deg. F
temperature	10	(79.960)	=	79.960 deg. F
temperature	11	(79.190)	=	79.190 deg. F
temperature	12	(78.640)	=	78.640 deg. F
temperature	13	(78.340)	=	78.340 deg. F
temperature	14	(78.020)	=	78.020 deg. F
temperature	15	(77.590)	=	77.590 deg. F
temperature	16	(77.510)	=	77.510 deg. F
temperature	17	(76.890)	=	76.890 deg. F
temperature	18	(76.170)	=	76.170 deg. F
temperature	19	(75.950)	=	75.950 deg. F
temperature	20	(75.440)	=	75.440 deg. F
temperature	21	(75.090)	=	75.090 deg. F
temperature	22	(75.190)	=	75.190 deg. F
temperature	23	(74.200)	=	74.200 deg. F
temperature	24	(75.690)	=	75.690 deg. F
temperature	25	(74.680)	=	74.680 deg. F
temperature	26	(74.370)	=	74.370 deg. F
temperature	27	(74.440)	=	74.440 deg. F
temperature	28	(74.150)	=	74.150 deg. F
temperature	29	(74.170)	=	74.170 deg. F
temperature	30	(74.240)	=	74.240 deg. F
dewpoint	1	(73.100)	=	73.100 deg. F , 0.4031 psia
dewpoint	2	(73.540)	=	73.540 deg. F , 0.4091 psia
dewpoint	3	(69.220)	=	69.220 deg. F , 0.3534 psia
dewpoint	4	(57.220)	=	57.220 deg. F , 0.2318 psia
dewpoint	5	(58.130)	=	58.130 deg. F , 0.2395 psia
dewpoint	6	(57.240)	=	57.240 deg. F , 0.2320 psia
pressure	1	(60.07730)	=	60.0773 psia
pressure	2	(60.07640)	=	60.0764 psia

weighted averages, volume and air mass

temperature	=	77.92188 deg. F
pressure	=	60.07730 psia
vapor pressure	=	0.30900 psia
volume	=	2841900 cu. ft.
dry air mass	=	852815.50 lbm

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST

data set 29

time = 1900 date = 329

sensor		raw data		value
temperature	1	(81.660)	=	81.660 deg. F
temperature	2	(81.450)	=	81.450 deg. F
temperature	3	(81.250)	=	81.250 deg. F
temperature	4	(81.700)	=	81.700 deg. F
temperature	5	(81.740)	=	81.740 deg. F
temperature	6	(81.450)	=	81.450 deg. F
temperature	7	(81.330)	=	81.330 deg. F
temperature	8	(81.420)	=	81.420 deg. F
temperature	9	(81.030)	=	81.030 deg. F
temperature	10	(79.880)	=	79.880 deg. F
temperature	11	(79.130)	=	79.130 deg. F
temperature	12	(78.560)	=	78.560 deg. F
temperature	13	(78.300)	=	78.300 deg. F
temperature	14	(77.970)	=	77.970 deg. F
temperature	15	(77.550)	=	77.550 deg. F
temperature	16	(77.470)	=	77.470 deg. F
temperature	17	(76.870)	=	76.870 deg. F
temperature	18	(76.160)	=	76.160 deg. F
temperature	19	(75.950)	=	75.950 deg. F
temperature	20	(75.450)	=	75.450 deg. F
temperature	21	(75.090)	=	75.090 deg. F
temperature	22	(75.230)	=	75.230 deg. F
temperature	23	(74.210)	=	74.210 deg. F
temperature	24	(75.700)	=	75.700 deg. F
temperature	25	(74.710)	=	74.710 deg. F
temperature	26	(74.400)	=	74.400 deg. F
temperature	27	(74.450)	=	74.450 deg. F
temperature	28	(74.170)	=	74.170 deg. F
temperature	29	(74.180)	=	74.180 deg. F
temperature	30	(74.260)	=	74.260 deg. F

dewpoint	1	(73.100)	=	73.100 deg. F	, 0.4031 psia
dewpoint	2	(73.490)	=	73.490 deg. F	, 0.4084 psia
dewpoint	3	(69.580)	=	69.580 deg. F	, 0.3578 psia
dewpoint	4	(57.280)	=	57.280 deg. F	, 0.2323 psia
dewpoint	5	(58.460)	=	58.460 deg. F	, 0.2424 psia
dewpoint	6	(57.260)	=	57.260 deg. F	, 0.2322 psia

pressure	1	(60.07370)	=	60.0737 psia
pressure	2	(60.07280)	=	60.0728 psia

weighted averages, volume and air mass

temperature	=	77.88937 deg. F
pressure	=	60.07370 psia
vapor pressure	=	0.30931 psia
volume	=	2841900 cu. ft.
dry air mass	=	852811.26 lbm

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST

data set 30

time = 1915 date = 329

sensor	raw data	value
temperature 1	(81.590)	= 81.590 deg. F
temperature 2	(81.390)	= 81.390 deg. F
temperature 3	(81.190)	= 81.190 deg. F
temperature 4	(81.610)	= 81.610 deg. F
temperature 5	(81.670)	= 81.670 deg. F
temperature 6	(81.380)	= 81.380 deg. F
temperature 7	(81.240)	= 81.240 deg. F
temperature 8	(81.360)	= 81.360 deg. F
temperature 9	(80.960)	= 80.960 deg. F
temperature 10	(79.820)	= 79.820 deg. F
temperature 11	(79.090)	= 79.090 deg. F
temperature 12	(78.520)	= 78.520 deg. F
temperature 13	(78.260)	= 78.260 deg. F
temperature 14	(77.950)	= 77.950 deg. F
temperature 15	(77.500)	= 77.500 deg. F
temperature 16	(77.470)	= 77.470 deg. F
temperature 17	(76.880)	= 76.880 deg. F
temperature 18	(76.180)	= 76.180 deg. F
temperature 19	(75.960)	= 75.960 deg. F
temperature 20	(75.480)	= 75.480 deg. F
temperature 21	(75.110)	= 75.110 deg. F
temperature 22	(75.260)	= 75.260 deg. F
temperature 23	(74.220)	= 74.220 deg. F
temperature 24	(75.720)	= 75.720 deg. F
temperature 25	(74.730)	= 74.730 deg. F
temperature 26	(74.410)	= 74.410 deg. F
temperature 27	(74.460)	= 74.460 deg. F
temperature 28	(74.180)	= 74.180 deg. F
temperature 29	(74.200)	= 74.200 deg. F
temperature 30	(74.270)	= 74.270 deg. F
dewpoint 1	(73.100)	= 73.100 deg. F , 0.4031 psia
dewpoint 2	(73.590)	= 73.590 deg. F , 0.4098 psia
dewpoint 3	(71.090)	= 71.090 deg. F , 0.3766 psia
dewpoint 4	(57.340)	= 57.340 deg. F , 0.2328 psia
dewpoint 5	(58.330)	= 58.330 deg. F , 0.2413 psia
dewpoint 6	(57.300)	= 57.300 deg. F , 0.2325 psia
pressure 1	(60.07010)	= 60.0701 psia
pressure 2	(60.06930)	= 60.0693 psia

weighted averages, volume and air mass

temperature	=	77.86521 deg. F
pressure	=	60.07010 psia
vapor pressure	=	0.30976 psia
volume	=	2841900 cu. ft.
dry air mass	=	852791.76 lbm

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST

data set 31

time = 1930 date = 329

sensor		raw data		value
temperature	1	(81.520)	=	81.520 deg. F
temperature	2	(81.330)	=	81.330 deg. F
temperature	3	(81.110)	=	81.110 deg. F
temperature	4	(81.550)	=	81.550 deg. F
temperature	5	(81.600)	=	81.600 deg. F
temperature	6	(81.320)	=	81.320 deg. F
temperature	7	(81.150)	=	81.150 deg. F
temperature	8	(81.290)	=	81.290 deg. F
temperature	9	(80.880)	=	80.880 deg. F
temperature	10	(79.750)	=	79.750 deg. F
temperature	11	(79.020)	=	79.020 deg. F
temperature	12	(78.470)	=	78.470 deg. F
temperature	13	(78.230)	=	78.230 deg. F
temperature	14	(77.920)	=	77.920 deg. F
temperature	15	(77.480)	=	77.480 deg. F
temperature	16	(77.460)	=	77.460 deg. F
temperature	17	(76.860)	=	76.860 deg. F
temperature	18	(76.170)	=	76.170 deg. F
temperature	19	(75.970)	=	75.970 deg. F
temperature	20	(75.460)	=	75.460 deg. F
temperature	21	(75.120)	=	75.120 deg. F
temperature	22	(75.230)	=	75.230 deg. F
temperature	23	(74.190)	=	74.190 deg. F
temperature	24	(75.740)	=	75.740 deg. F
temperature	25	(74.750)	=	74.750 deg. F
temperature	26	(74.430)	=	74.430 deg. F
temperature	27	(74.490)	=	74.490 deg. F
temperature	28	(74.200)	=	74.200 deg. F
temperature	29	(74.210)	=	74.210 deg. F
temperature	30	(74.280)	=	74.280 deg. F

dewpoint	1	(73.100)	=	73.100 deg. F	, 0.4031 psia
dewpoint	2	(73.550)	=	73.550 deg. F	, 0.4093 psia
dewpoint	3	(69.070)	=	69.070 deg. F	, 0.3516 psia
dewpoint	4	(57.410)	=	57.410 deg. F	, 0.2334 psia
dewpoint	5	(58.450)	=	58.450 deg. F	, 0.2423 psia
dewpoint	6	(57.370)	=	57.370 deg. F	, 0.2331 psia

pressure	1	(60.06660)	=	60.0666 psia
pressure	2	(60.06580)	=	60.0658 psia

weighted averages, volume and air mass

temperature	=	77.83331 deg. F
pressure	=	60.06660 psia
vapor pressure	=	0.30999 psia
volume	=	2841900 cu. ft.
dry air mass	=	852789.18 lbm

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST

data set 32

time = 1945 date = 329

sensor		raw data		value
temperature	1	(81.450)	=	81.450 deg. F
temperature	2	(81.260)	=	81.260 deg. F
temperature	3	(81.050)	=	81.050 deg. F
temperature	4	(81.470)	=	81.470 deg. F
temperature	5	(81.510)	=	81.510 deg. F
temperature	6	(81.240)	=	81.240 deg. F
temperature	7	(81.090)	=	81.090 deg. F
temperature	8	(81.200)	=	81.200 deg. F
temperature	9	(80.800)	=	80.800 deg. F
temperature	10	(79.680)	=	79.680 deg. F
temperature	11	(78.960)	=	78.960 deg. F
temperature	12	(78.420)	=	78.420 deg. F
temperature	13	(78.190)	=	78.190 deg. F
temperature	14	(77.880)	=	77.380 deg. F
temperature	15	(77.440)	=	77.440 deg. F
temperature	16	(77.430)	=	77.430 deg. F
temperature	17	(76.840)	=	76.840 deg. F
temperature	18	(76.160)	=	76.160 deg. F
temperature	19	(75.980)	=	75.980 deg. F
temperature	20	(75.500)	=	75.500 deg. F
temperature	21	(75.120)	=	75.120 deg. F
temperature	22	(75.270)	=	75.270 deg. F
temperature	23	(74.230)	=	74.230 deg. F
temperature	24	(75.740)	=	75.740 deg. F
temperature	25	(74.760)	=	74.760 deg. F
temperature	26	(74.430)	=	74.430 deg. F
temperature	27	(74.500)	=	74.500 deg. F
temperature	28	(74.200)	=	74.200 deg. F
temperature	29	(74.220)	=	74.220 deg. F
temperature	30	(74.280)	=	74.280 deg. F

dewpoint	1	(73.140)	=	73.140 deg. F	, 0.4037 psia
dewpoint	2	(73.430)	=	73.430 deg. F	, 0.4076 psia
dewpoint	3	(70.560)	=	70.560 deg. F	, 0.3699 psia
dewpoint	4	(57.460)	=	57.460 deg. F	, 0.2338 psia
dewpoint	5	(58.390)	=	58.390 deg. F	, 0.2418 psia
dewpoint	6	(57.460)	=	57.460 deg. F	, 0.2338 psia

pressure	1	(60.06320)	=	60.0632 psia
pressure	2	(60.06240)	=	60.0624 psia

weighted averages, volume and air mass

temperature	=	77.80179 deg F
pressure	=	60.06320 psia
vapor pressure	=	0.30979 psia
volume	=	2841900 cu. ft.
dry air mass	=	852793.56 lbm

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST

data set 33

time = 2000 date = 329

sensor		raw data		value
temperature	1	(81.390)	=	81.390 deg. F
temperature	2	(81.180)	=	81.180 deg. F
temperature	3	(80.990)	=	80.990 deg. F
temperature	4	(81.410)	=	81.410 deg. F
temperature	5	(81.470)	=	81.470 deg. F
temperature	6	(81.160)	=	81.160 deg. F
temperature	7	(81.010)	=	81.010 deg. F
temperature	8	(81.140)	=	81.140 deg. F
temperature	9	(80.740)	=	80.740 deg. F
temperature	10	(79.630)	=	79.630 deg. F
temperature	11	(78.930)	=	78.930 deg. F
temperature	12	(78.380)	=	78.380 deg. F
temperature	13	(78.120)	=	78.120 deg. F
temperature	14	(77.850)	=	77.850 deg. F
temperature	15	(77.420)	=	77.420 deg. F
temperature	16	(77.400)	=	77.400 deg. F
temperature	17	(76.820)	=	76.820 deg. F
temperature	18	(76.170)	=	76.170 deg. F
temperature	19	(75.990)	=	75.990 deg. F
temperature	20	(75.520)	=	75.520 deg. F
temperature	21	(75.140)	=	75.140 deg. F
temperature	22	(75.240)	=	75.240 deg. F
temperature	23	(74.260)	=	74.260 deg. F
temperature	24	(75.750)	=	75.750 deg. F
temperature	25	(74.800)	=	74.800 deg. F
temperature	26	(74.440)	=	74.440 deg. F
temperature	27	(74.500)	=	74.500 deg. F
temperature	28	(74.220)	=	74.220 deg. F
temperature	29	(74.240)	=	74.240 deg. F
temperature	30	(74.300)	=	74.300 deg. F
dewpoint	1	(73.100)	=	73.100 deg. F , 0.4031 psia
dewpoint	2	(73.420)	=	73.420 deg. F , 0.4075 psia
dewpoint	3	(70.970)	=	70.970 deg. F , 0.3751 psia
dewpoint	4	(57.490)	=	57.490 deg. F , 0.2341 psia
dewpoint	5	(58.620)	=	58.620 deg. F , 0.2438 psia
dewpoint	6	(57.510)	=	57.510 deg. F , 0.2343 psia
pressure	1	(60.05980)	=	60.0598 psia
pressure	2	(60.05890)	=	60.0589 psia

weighted averages, volume and air mass

temperature	=	77.77670 deg. F
pressure	=	60.05980 psia
vapor pressure	=	0.31005 psia
volume	=	2841900 cu. ft.
dry air mass	=	852781.11 lbm

VOGTLE UNIT 1-1990 ILRT-VERIFICATION

DATA SUMMARY REPORT

data set	time	date	temperature deg F	pressure psia	vapor pressure psia	dry air mass lbm
1	2115	329	77.6401	60.0370	0.3107	852662.68
2	2130	329	77.6151	60.0329	0.3113	852635.27
3	2145	329	77.5928	60.0285	0.3112	852610.15
4	2200	329	77.5654	60.0242	0.3116	852586.19
5	2215	329	77.5366	60.0199	0.3124	852559.45
6	2230	329	77.5125	60.0157	0.3124	852537.65
7	2245	329	77.4851	60.0116	0.3124	852522.57
8	2300	329	77.4612	60.0075	0.3131	852492.07
9	2315	329	77.4375	60.0034	0.3123	852481.39
10	2330	329	77.4121	59.9995	0.3129	852457.61
11	2345	329	77.3909	59.9953	0.3132	852428.04
12	0	330	77.3683	59.9913	0.3134	852403.82
13	15	330	77.3465	59.9875	0.3136	852380.98
14	30	330	77.3188	59.9835	0.3138	852365.36
15	45	330	77.2994	59.9797	0.3140	852338.64
16	100	330	77.2747	59.9757	0.3141	852318.43
17	115	330	77.2532	59.9720	0.3148	852289.77

VOGTLE UNIT 1-1990 ILRT-VERIFICATION

data set 1

time = 2115 date = 329

sensor	raw data	value
temperature 1	(81.070)	= 81.070 deg. F
temperature 2	(80.870)	= 80.870 deg. F
temperature 3	(80.650)	= 80.650 deg. F
temperature 4	(81.080)	= 81.080 deg. F
temperature 5	(81.120)	= 81.120 deg. F
temperature 6	(80.830)	= 80.830 deg. F
temperature 7	(80.710)	= 80.710 deg. F
temperature 8	(80.800)	= 80.800 deg. F
temperature 9	(80.370)	= 80.370 deg. F
temperature 10	(79.330)	= 79.330 deg. F
temperature 11	(78.670)	= 78.670 deg. F
temperature 12	(78.170)	= 78.170 deg. F
temperature 13	(77.970)	= 77.970 deg. F
temperature 14	(77.710)	= 77.710 deg. F
temperature 15	(77.260)	= 77.260 deg. F
temperature 16	(77.300)	= 77.300 deg. F
temperature 17	(76.750)	= 76.750 deg. F
temperature 18	(76.160)	= 76.160 deg. F
temperature 19	(76.020)	= 76.020 deg. F
temperature 20	(75.540)	= 75.540 deg. F
temperature 21	(75.190)	= 75.190 deg. F
temperature 22	(75.370)	= 75.370 deg. F
temperature 23	(74.260)	= 74.260 deg. F
temperature 24	(75.810)	= 75.810 deg. F
temperature 25	(74.820)	= 74.820 deg. F
temperature 26	(74.490)	= 74.490 deg. F
temperature 27	(74.550)	= 74.550 deg. F
temperature 28	(74.270)	= 74.270 deg. F
temperature 29	(74.290)	= 74.290 deg. F
temperature 30	(74.370)	= 74.370 deg. F
dewpoint 1	(73.000)	= 73.000 deg. F , 0.4018 psia
dewpoint 2	(73.360)	= 73.360 deg. F , 0.4067 psia
dewpoint 3	(70.730)	= 70.730 deg. F , 0.3721 psia
dewpoint 4	(57.800)	= 57.800 deg. F , 0.2367 psia
dewpoint 5	(58.640)	= 58.640 deg. F , 0.2440 psia
dewpoint 6	(57.770)	= 57.770 deg. F , 0.2365 psia
pressure 1	(60.03700)	= 60.0370 psia
pressure 2	(60.03640)	= 60.0364 psia

weighted averages, volume and air mass

temperature	=	77.64010 deg. F
pressure	=	60.03700 psia
vapor pressure	=	0.31073 psia
volume	=	2841900 cu. ft.
dry air mass	=	852662.68 lbm

VOGTLE UNIT 1-1990 ILRT-VERIFICATION

data set 2

time = 2130 date = 329

sensor		raw data		value
temperature	1	(81.020)	=	81.020 deg. F
temperature	2	(80.810)	=	80.810 deg. F
temperature	3	(80.600)	=	80.600 deg. F
temperature	4	(81.010)	=	81.010 deg. F
temperature	5	(81.060)	=	81.060 deg. F
temperature	6	(80.760)	=	80.760 deg. F
temperature	7	(80.640)	=	80.640 deg. F
temperature	8	(80.740)	=	80.740 deg. F
temperature	9	(80.300)	=	80.300 deg. F
temperature	10	(79.270)	=	79.270 deg. F
temperature	11	(78.620)	=	78.620 deg. F
temperature	12	(78.140)	=	78.140 deg. F
temperature	13	(77.960)	=	77.960 deg. F
temperature	14	(77.680)	=	77.680 deg. F
temperature	15	(77.230)	=	77.230 deg. F
temperature	16	(77.260)	=	77.260 deg. F
temperature	17	(76.730)	=	76.730 deg. F
temperature	18	(76.150)	=	76.150 deg. F
temperature	19	(76.030)	=	76.030 deg. F
temperature	20	(75.550)	=	75.550 deg. F
temperature	21	(75.200)	=	75.200 deg. F
temperature	22	(75.350)	=	75.350 deg. F
temperature	23	(74.310)	=	74.310 deg. F
temperature	24	(75.810)	=	75.810 deg. F
temperature	25	(74.840)	=	74.840 deg. F
temperature	26	(74.510)	=	74.510 deg. F
temperature	27	(74.550)	=	74.550 deg. F
temperature	28	(74.290)	=	74.290 deg. F
temperature	29	(74.300)	=	74.300 deg. F
temperature	30	(74.390)	=	74.390 deg. F
dewpoint	1	(73.000)	=	73.000 deg. F , 0.4018 psia
dewpoint	2	(73.360)	=	73.360 deg. F , 0.4067 psia
dewpoint	3	(70.640)	=	70.640 deg. F , 0.3709 psia
dewpoint	4	(57.860)	=	57.860 deg. F , 0.2372 psia
dewpoint	5	(59.040)	=	59.040 deg. F , 0.2475 psia
dewpoint	6	(57.800)	=	57.800 deg. F , 0.2367 psia
pressure	1	(60.03290)	=	60.0329 psia
pressure	2	(60.03200)	=	60.0320 psia

weighted averages, volume and air mass

temperature	=	77.61510 deg. F
pressure	=	60.03290 psia
vapor pressure	=	0.31133 psia
volume	=	2841900 cu. ft.
dry air mass	=	852635.27 lbm

VOGTLE UNIT 1-1990 ILRT-VERIFICATION

data set 3

time = 2145 date = 329

sensor		raw data		value
temperature	1	(80.970)	=	80.970 deg. F
temperature	2	(80.740)	=	80.740 deg. F
temperature	3	(80.530)	=	80.530 deg. F
temperature	4	(80.960)	=	80.960 deg. F
temperature	5	(80.990)	=	80.990 deg. F
temperature	6	(80.700)	=	80.700 deg. F
temperature	7	(80.600)	=	80.600 deg. F
temperature	8	(80.670)	=	80.670 deg. F
temperature	9	(80.270)	=	80.270 deg. F
temperature	10	(79.230)	=	79.230 deg. F
temperature	11	(78.580)	=	78.580 deg. F
temperature	12	(78.110)	=	78.110 deg. F
temperature	13	(77.910)	=	77.910 deg. F
temperature	14	(77.640)	=	77.640 deg. F
temperature	15	(77.210)	=	77.210 deg. F
temperature	16	(77.240)	=	77.240 deg. F
temperature	17	(76.720)	=	76.720 deg. F
temperature	18	(76.160)	=	76.160 deg. F
temperature	19	(76.050)	=	76.050 deg. F
temperature	20	(75.550)	=	75.550 deg. F
temperature	21	(75.210)	=	75.210 deg. F
temperature	22	(75.390)	=	75.390 deg. F
temperature	23	(74.290)	=	74.290 deg. F
temperature	24	(75.840)	=	75.840 deg. F
temperature	25	(74.850)	=	74.850 deg. F
temperature	26	(74.510)	=	74.510 deg. F
temperature	27	(74.560)	=	74.560 deg. F
temperature	28	(74.300)	=	74.300 deg. F
temperature	29	(74.320)	=	74.320 deg. F
temperature	30	(74.400)	=	74.400 deg. F

dewpoint	1	(73.010)	=	73.010 deg. F	, 0.4019 psia
dewpoint	2	(73.350)	=	73.350 deg. F	, 0.4065 psia
dewpoint	3	(70.750)	=	70.750 deg. F	, 0.3723 psia
dewpoint	4	(57.890)	=	57.890 deg. F	, 0.2375 psia
dewpoint	5	(58.680)	=	58.680 deg. F	, 0.2443 psia
dewpoint	6	(57.910)	=	57.910 deg. F	, 0.2377 psia

pressure	1	(60.02850)	=	60.0285 psia
pressure	2	(60.02770)	=	60.0277 psia

weighted averages, volume and air mass

temperature	=	77.59279 deg. F
pressure	=	60.02850 psia
vapor pressure	=	0.31117 psia
volume	=	2841900 cu. ft.
dry air mass	=	852610.15 lbm

VOGTLE UNIT 1-1990 ILRT-VERIFICATION

data set 4

time = 2200 date = 329

sensor		raw data		value
temperature	1	(80.910)	=	80.910 deg. F
temperature	2	(80.700)	=	80.700 deg. F
temperature	3	(80.470)	=	80.470 deg. F
temperature	4	(80.910)	=	80.910 deg. F
temperature	5	(80.930)	=	80.930 deg. F
temperature	6	(80.630)	=	80.630 deg. F
temperature	7	(80.540)	=	80.540 deg. F
temperature	8	(80.620)	=	80.620 deg. F
temperature	9	(80.210)	=	80.210 deg. F
temperature	10	(79.160)	=	79.160 deg. F
temperature	11	(78.540)	=	78.540 deg. F
temperature	12	(78.060)	=	78.060 deg. F
temperature	13	(77.840)	=	77.840 deg. F
temperature	14	(77.620)	=	77.620 deg. F
temperature	15	(77.170)	=	77.170 deg. F
temperature	16	(77.220)	=	77.220 deg. F
temperature	17	(76.700)	=	76.700 deg. F
temperature	18	(76.150)	=	76.150 deg. F
temperature	19	(76.050)	=	76.050 deg. F
temperature	20	(75.580)	=	75.580 deg. F
temperature	21	(75.220)	=	75.220 deg. F
temperature	22	(75.410)	=	75.410 deg. F
temperature	23	(74.280)	=	74.280 deg. F
temperature	24	(75.840)	=	75.840 deg. F
temperature	25	(74.850)	=	74.850 deg. F
temperature	26	(74.530)	=	74.530 deg. F
temperature	27	(74.560)	=	74.560 deg. F
temperature	28	(74.310)	=	74.310 deg. F
temperature	29	(74.330)	=	74.330 deg. F
temperature	30	(74.400)	=	74.400 deg. F

dewpoint	1	(73.000)	=	73.000 deg. F ,	0.4018 psia
dewpoint	2	(73.360)	=	73.360 deg. F ,	0.4067 psia
dewpoint	3	(69.310)	=	69.310 deg. F ,	0.3545 psia
dewpoint	4	(57.960)	=	57.960 deg. F ,	0.2381 psia
dewpoint	5	(58.850)	=	58.850 deg. F ,	0.2458 psia
dewpoint	6	(57.950)	=	57.950 deg. F ,	0.2380 psia

pressure	1	(60.02420)	=	60.0242 psia
pressure	2	(60.02330)	=	60.0233 psia

weighted averages, volume and air mass

temperature	=	77.56544 deg. F
pressure	=	60.02420 psia
vapor pressure	=	0.31159 psia
volume	=	2841900 cu. ft.
dry air mass	=	852586.19 lbm

VOGTLE UNIT 1-1990 ILRT-VERIFICATION

data set 5

time = 2215 date = 329

sensor	raw data	value
temperature 1	(80.840)	= 80.840 deg. F
temperature 2	(80.640)	= 80.640 deg. F
temperature 3	(80.410)	= 80.410 deg. F
temperature 4	(80.840)	= 80.840 deg. F
temperature 5	(80.870)	= 80.870 deg. F
temperature 6	(80.580)	= 80.580 deg. F
temperature 7	(80.470)	= 80.470 deg. F
temperature 8	(80.550)	= 80.550 deg. F
temperature 9	(80.130)	= 80.130 deg. F
temperature 10	(79.100)	= 79.100 deg. F
temperature 11	(78.490)	= 78.490 deg. F
temperature 12	(78.030)	= 78.030 deg. F
temperature 13	(77.800)	= 77.800 deg. F
temperature 14	(77.580)	= 77.580 deg. F
temperature 15	(77.150)	= 77.150 deg. F
temperature 16	(77.200)	= 77.200 deg. F
temperature 17	(76.690)	= 76.690 deg. F
temperature 18	(76.150)	= 76.150 deg. F
temperature 19	(76.050)	= 76.050 deg. F
temperature 20	(75.580)	= 75.580 deg. F
temperature 21	(75.230)	= 75.230 deg. F
temperature 22	(75.380)	= 75.380 deg. F
temperature 23	(74.280)	= 74.280 deg. F
temperature 24	(75.840)	= 75.840 deg. F
temperature 25	(74.860)	= 74.860 deg. F
temperature 26	(74.540)	= 74.540 deg. F
temperature 27	(74.570)	= 74.570 deg. F
temperature 28	(74.320)	= 74.320 deg. F
temperature 29	(74.330)	= 74.330 deg. F
temperature 30	(74.420)	= 74.420 deg. F

dewpoint 1	(72.980)	= 72.980 deg. F	, 0.4015 psia
dewpoint 2	(73.410)	= 73.410 deg. F	, 0.4074 psia
dewpoint 3	(69.410)	= 69.410 deg. F	, 0.3557 psia
dewpoint 4	(58.030)	= 58.030 deg. F	, 0.2387 psia
dewpoint 5	(59.140)	= 59.140 deg. F	, 0.2484 psia
dewpoint 6	(58.060)	= 58.060 deg. F	, 0.2389 psia

pressure 1	(60.01990)	= 60.0199 psia
pressure 2	(60.01890)	= 60.0189 psia

weighted averages, volume and air mass

temperature	=	77.53655 deg. F
pressure	=	60.01990 psia
vapor pressure	=	0.31237 psia
volume	=	2841900 cu. ft.
dry air mass	=	852559.45 lbm

VOGTLE UNIT 1-1990 ILRT-VERIFICATION

data set 6

time = 2230 date = 329

sensor		raw data		value
temperature	1	(80.780)	=	80.780 deg. F
temperature	2	(80.580)	=	80.580 deg. F
temperature	3	(80.360)	=	80.360 deg. F
temperature	4	(80.770)	=	80.770 deg. F
temperature	5	(80.820)	=	80.820 deg. F
temperature	6	(80.510)	=	80.510 deg. F
temperature	7	(80.410)	=	80.410 deg. F
temperature	8	(80.500)	=	80.500 deg. F
temperature	9	(80.080)	=	80.080 deg. F
temperature	10	(79.040)	=	79.040 deg. F
temperature	11	(78.450)	=	78.450 deg. F
temperature	12	(77.970)	=	77.970 deg. F
temperature	13	(77.790)	=	77.790 deg. F
temperature	14	(77.550)	=	77.550 deg. F
temperature	15	(77.120)	=	77.120 deg. F
temperature	16	(77.180)	=	77.180 deg. F
temperature	17	(76.660)	=	76.660 deg. F
temperature	18	(76.140)	=	76.140 deg. F
temperature	19	(76.050)	=	76.050 deg. F
temperature	20	(75.610)	=	75.610 deg. F
temperature	21	(75.240)	=	75.240 deg. F
temperature	22	(75.420)	=	75.420 deg. F
temperature	23	(74.280)	=	74.280 deg. F
temperature	24	(75.860)	=	75.860 deg. F
temperature	25	(74.880)	=	74.880 deg. F
temperature	26	(74.540)	=	74.540 deg. F
temperature	27	(74.570)	=	74.570 deg. F
temperature	28	(74.330)	=	74.330 deg. F
temperature	29	(74.340)	=	74.340 deg. F
temperature	30	(74.430)	=	74.430 deg. F
dewpoint	1	(72.970)	=	72.970 deg. F , 0.4014 psia
dewpoint	2	(73.380)	=	73.380 deg. F , 0.4069 psia
dewpoint	3	(69.600)	=	69.600 deg. F , 0.3580 psia
dewpoint	4	(58.090)	=	58.090 deg. F , 0.2392 psia
dewpoint	5	(59.080)	=	59.080 deg. F , 0.2478 psia
dewpoint	6	(58.100)	=	58.100 deg. F , 0.2393 psia
pressure	1	(60.01570)	=	60.0157 psia
pressure	2	(60.01460)	=	60.0146 psia

weighted averages, volume and air mass

temperature	=	77.51250 deg. F
pressure	=	60.01570 psia
vapor pressure	=	0.31237 psia
volume	=	2841900 cu. ft.
dry air mass	=	852537.65 lbm

VOGTLE UNIT 1-1990 ILRT-VERIFICATION

data set 7

time = 2245 date = 329

sensor		raw data		value
temperature	1	(80.720)	=	80.720 deg. F
temperature	2	(80.530)	=	80.530 deg. F
temperature	3	(80.280)	=	80.280 deg. F
temperature	4	(80.690)	=	80.690 deg. F
temperature	5	(80.760)	=	80.760 deg. F
temperature	6	(80.460)	=	80.460 deg. F
temperature	7	(80.350)	=	80.350 deg. F
temperature	8	(80.430)	=	80.430 deg. F
temperature	9	(80.010)	=	80.010 deg. F
temperature	10	(78.990)	=	78.990 deg. F
temperature	11	(78.400)	=	78.400 deg. F
temperature	12	(77.950)	=	77.950 deg. F
temperature	13	(77.750)	=	77.750 deg. F
temperature	14	(77.520)	=	77.520 deg. F
temperature	15	(77.090)	=	77.090 deg. F
temperature	16	(77.160)	=	77.160 deg. F
temperature	17	(76.650)	=	76.650 deg. F
temperature	18	(76.130)	=	76.130 deg. F
temperature	19	(76.050)	=	76.050 deg. F
temperature	20	(75.600)	=	75.600 deg. F
temperature	21	(75.240)	=	75.240 deg. F
temperature	22	(75.450)	=	75.450 deg. F
temperature	23	(74.280)	=	74.280 deg. F
temperature	24	(75.860)	=	75.860 deg. F
temperature	25	(74.850)	=	74.850 deg. F
temperature	26	(74.560)	=	74.560 deg. F
temperature	27	(74.600)	=	74.600 deg. F
temperature	28	(74.340)	=	74.340 deg. F
temperature	29	(74.350)	=	74.350 deg. F
temperature	30	(74.430)	=	74.430 deg. F
dewpoint	1	(72.900)	=	72.900 deg. F , 0.4004 psia
dewpoint	2	(73.370)	=	73.370 deg. F , 0.4068 psia
dewpoint	3	(69.890)	=	69.890 deg. F , 0.3616 psia
dewpoint	4	(58.130)	=	58.130 deg. F , 0.2395 psia
dewpoint	5	(59.180)	=	59.180 deg. F , 0.2487 psia
dewpoint	6	(58.090)	=	58.090 deg. F , 0.2392 psia
pressure	1	(60.01160)	=	60.0116 psia
pressure	2	(60.01040)	=	60.0104 psia

weighted averages, volume and air mass

temperature	=	77.48508 deg. F
pressure	=	60.01160 psia
vapor pressure	=	0.31237 psia
volume	=	2841900 cu. ft.
dry air mass	=	852522.57 lbm

VOGTLE UNIT 1-1990 ILRT-VERIFICATION

data set 8

time = 2300 date = 323

sensor		raw data		value
temperature	1	(80.660)	=	80.660 deg. F
temperature	2	(80.470)	=	80.470 deg. F
temperature	3	(80.230)	=	80.230 deg. F
temperature	4	(80.640)	=	80.640 deg. F
temperature	5	(80.690)	=	80.690 deg. F
temperature	6	(80.400)	=	80.400 deg. F
temperature	7	(80.300)	=	80.300 deg. F
temperature	8	(80.370)	=	80.370 deg. F
temperature	9	(79.950)	=	79.950 deg. F
temperature	10	(78.940)	=	78.940 deg. F
temperature	11	(78.360)	=	78.360 deg. F
temperature	12	(77.930)	=	77.930 deg. F
temperature	13	(77.670)	=	77.670 deg. F
temperature	14	(77.490)	=	77.490 deg. F
temperature	15	(77.070)	=	77.070 deg. F
temperature	16	(77.120)	=	77.120 deg. F
temperature	17	(76.640)	=	76.640 deg. F
temperature	18	(76.140)	=	76.140 deg. F
temperature	19	(76.080)	=	76.080 deg. F
temperature	20	(75.620)	=	75.620 deg. F
temperature	21	(75.250)	=	75.250 deg. F
temperature	22	(75.420)	=	75.420 deg. F
temperature	23	(74.320)	=	74.320 deg. F
temperature	24	(75.870)	=	75.870 deg. F
temperature	25	(74.880)	=	74.880 deg. F
temperature	26	(74.560)	=	74.560 deg. F
temperature	27	(74.610)	=	74.610 deg. F
temperature	28	(74.340)	=	74.340 deg. F
temperature	29	(74.360)	=	74.360 deg. F
temperature	30	(74.440)	=	74.440 deg. F
dewpoint	1	(72.900)	=	72.900 deg. F , 0.4004 psia
dewpoint	2	(73.390)	=	73.390 deg. F , 0.4071 psia
dewpoint	3	(69.340)	=	69.340 deg. F , 0.3548 psia
dewpoint	4	(58.180)	=	58.180 deg. F , 0.2400 psia
dewpoint	5	(59.490)	=	59.490 deg. F , 0.2515 psia
dewpoint	6	(58.200)	=	58.200 deg. F , 0.2401 psia
pressure	1	(60.00750)	=	60.0075 psia
pressure	2	(60.00650)	=	60.0065 psia

weighted averages, volume and air mass

temperature	=	77.46120 deg. F
pressure	=	60.00750 psia
vapor pressure	=	0.31306 psia
volume	=	2841900 cu. ft.
dry air mass	=	852492.07 lbm

VOGTLE UNIT 1-1990 ILRT-VERIFICATION

data set 9

time = 2315 date = 329

sensor		raw data		value
temperature	1	(80.620)	=	80.620 deg. F
temperature	2	(80.400)	=	80.400 deg. F
temperature	3	(80.180)	=	80.180 deg. F
temperature	4	(80.570)	=	80.570 deg. F
temperature	5	(80.640)	=	80.640 deg. F
temperature	6	(80.340)	=	80.340 deg. F
temperature	7	(80.240)	=	80.240 deg. F
temperature	8	(80.310)	=	80.310 deg. F
temperature	9	(79.880)	=	79.880 deg. F
temperature	10	(78.890)	=	78.890 deg. F
temperature	11	(78.330)	=	78.330 deg. F
temperature	12	(77.870)	=	77.870 deg. F
temperature	13	(77.680)	=	77.680 deg. F
temperature	14	(77.460)	=	77.460 deg. F
temperature	15	(77.040)	=	77.040 deg. F
temperature	16	(77.100)	=	77.100 deg. F
temperature	17	(76.620)	=	76.620 deg. F
temperature	18	(76.140)	=	76.140 deg. F
temperature	19	(76.070)	=	76.070 deg. F
temperature	20	(75.640)	=	75.640 deg. F
temperature	21	(75.250)	=	75.250 deg. F
temperature	22	(75.460)	=	75.460 deg. F
temperature	23	(74.300)	=	74.300 deg. F
temperature	24	(75.910)	=	75.910 deg. F
temperature	25	(74.890)	=	74.890 deg. F
temperature	26	(74.560)	=	74.560 deg. F
temperature	27	(74.610)	=	74.610 deg. F
temperature	28	(74.350)	=	74.350 deg. F
temperature	29	(74.370)	=	74.370 deg. F
temperature	30	(74.460)	=	74.460 deg. F
dewpoint	1	(72.880)	=	72.880 deg. F , 0.4001 psia
dewpoint	2	(73.230)	=	73.230 deg. F , 0.4049 psia
dewpoint	3	(68.270)	=	68.270 deg. F , 0.3421 psia
dewpoint	4	(58.240)	=	58.240 deg. F , 0.2405 psia
dewpoint	5	(59.160)	=	59.160 deg. F , 0.2486 psia
dewpoint	6	(58.300)	=	58.300 deg. F , 0.2410 psia
pressure	1	(60.00340)	=	60.0034 psia
pressure	2	(60.00250)	=	60.0025 psia

weighted averages, volume and air mass

temperature	=	77.43752 deg. F
pressure	=	60.00340 psia
vapor pressure	=	0.31234 psia
volume	=	2841900 cu. ft.
dry air mass	=	852481.39 lbm

VOGTLE UNIT 1-1990 ILRT-VERIFICATION

data set 10

time = 2330 date = 329

sensor		raw data		value
temperature	1	(80.550)	=	80.550 deg. F
temperature	2	(80.350)	=	80.350 deg. F
temperature	3	(80.130)	=	80.130 deg. F
temperature	4	(80.510)	=	80.510 deg. F
temperature	5	(80.590)	=	80.590 deg. F
temperature	6	(80.290)	=	80.290 deg. F
temperature	7	(80.190)	=	80.190 deg. F
temperature	8	(80.260)	=	80.260 deg. F
temperature	9	(79.830)	=	79.830 deg. F
temperature	10	(78.850)	=	78.850 deg. F
temperature	11	(78.270)	=	78.270 deg. F
temperature	12	(77.840)	=	77.840 deg. F
temperature	13	(77.660)	=	77.660 deg. F
temperature	14	(77.430)	=	77.430 deg. F
temperature	15	(77.020)	=	77.020 deg. F
temperature	16	(77.090)	=	77.090 deg. F
temperature	17	(76.590)	=	76.590 deg. F
temperature	18	(76.110)	=	76.110 deg. F
temperature	19	(76.080)	=	76.080 deg. F
temperature	20	(75.620)	=	75.620 deg. F
temperature	21	(75.260)	=	75.260 deg. F
temperature	22	(75.490)	=	75.490 deg. F
temperature	23	(74.320)	=	74.320 deg. F
temperature	24	(75.880)	=	75.880 deg. F
temperature	25	(74.890)	=	74.890 deg. F
temperature	26	(74.540)	=	74.540 deg. F
temperature	27	(74.600)	=	74.600 deg. F
temperature	28	(74.360)	=	74.360 deg. F
temperature	29	(74.380)	=	74.380 deg. F
temperature	30	(74.450)	=	74.450 deg. F
dewpoint	1	(72.940)	=	72.940 deg. F , 0.4010 psia
dewpoint	2	(73.280)	=	73.280 deg. F , 0.4056 psia
dewpoint	3	(69.570)	=	69.570 deg. F , 0.3576 psia
dewpoint	4	(58.280)	=	58.280 deg. F , 0.2408 psia
dewpoint	5	(59.360)	=	59.360 deg. F , 0.2503 psia
dewpoint	6	(58.280)	=	58.280 deg. F , 0.2408 psia
pressure	1	(59.99950)	=	59.9995 psia
pressure	2	(59.99860)	=	59.9986 psia

weighted averages, volume and air mass

temperature	=	77.41209 deg. F
pressure	=	59.99950 psia
vapor pressure	=	0.31293 psia
volume	=	2841900 cu. ft.
dry air mass	=	852457.61 lbm

VOGTLE UNIT 1-1990 ILRT-VERIFICATION

data set 11

time = 2345 date = 329

sensor		raw data		value
temperature	1	(80.510)	=	80.510 deg. F
temperature	2	(80.300)	=	80.300 deg. F
temperature	3	(80.060)	=	80.060 deg. F
temperature	4	(80.470)	=	80.470 deg. F
temperature	5	(80.530)	=	80.530 deg. F
temperature	6	(80.230)	=	80.230 deg. F
temperature	7	(80.120)	=	80.120 deg. F
temperature	8	(80.190)	=	80.190 deg. F
temperature	9	(79.770)	=	79.770 deg. F
temperature	10	(78.800)	=	78.800 deg. F
temperature	11	(78.240)	=	78.240 deg. F
temperature	12	(77.810)	=	77.810 deg. F
temperature	13	(77.650)	=	77.650 deg. F
temperature	14	(77.410)	=	77.410 deg. F
temperature	15	(76.990)	=	76.990 deg. F
temperature	16	(77.070)	=	77.070 deg. F
temperature	17	(76.590)	=	76.590 deg. F
temperature	18	(76.110)	=	76.110 deg. F
temperature	19	(76.090)	=	76.090 deg. F
temperature	20	(75.610)	=	75.610 deg. F
temperature	21	(75.260)	=	75.260 deg. F
temperature	22	(75.500)	=	75.500 deg. F
temperature	23	(74.330)	=	74.330 deg. F
temperature	24	(75.900)	=	75.900 deg. F
temperature	25	(74.920)	=	74.920 deg. F
temperature	26	(74.560)	=	74.560 deg. F
temperature	27	(74.620)	=	74.620 deg. F
temperature	28	(74.370)	=	74.370 deg. F
temperature	29	(74.380)	=	74.380 deg. F
temperature	30	(74.470)	=	74.470 deg. F

dewpoint	1	(72.930)	=	72.930 deg. F	, 0.4008 psia
dewpoint	2	(73.260)	=	73.260 deg. F	, 0.4053 psia
dewpoint	3	(68.840)	=	68.840 deg. F	, 0.3488 psia
dewpoint	4	(58.360)	=	58.360 deg. F	, 0.2415 psia
dewpoint	5	(59.360)	=	59.360 deg. F	, 0.2503 psia
dewpoint	6	(58.370)	=	58.370 deg. F	, 0.2416 psia

pressure	1	(59.99530)	=	59.9953 psia
pressure	2	(59.99430)	=	59.9943 psia

weighted averages, volume and air mass

temperature	=	77.39090 deg. F
pressure	=	59.99530 psia
vapor pressure	=	0.31316 psia
volume	=	2841900 cu. ft.
dry air mass	=	852428.04 lbm

VOGTLE UNIT 1-1990 ILRT-VERIFICATION

data set 12

time = 0 date = 330

sensor		raw data		value
temperature	1	(80.450)	=	80.450 deg. F
temperature	2	(80.250)	=	80.250 deg. F
temperature	3	(80.020)	=	80.020 deg. F
temperature	4	(80.420)	=	80.420 deg. F
temperature	5	(80.480)	=	80.480 deg. F
temperature	6	(80.180)	=	80.180 deg. F
temperature	7	(80.080)	=	80.080 deg. F
temperature	8	(80.150)	=	80.150 deg. F
temperature	9	(79.730)	=	79.730 deg. F
temperature	10	(78.760)	=	78.760 deg. F
temperature	11	(78.210)	=	78.210 deg. F
temperature	12	(77.750)	=	77.750 deg. F
temperature	13	(77.580)	=	77.580 deg. F
temperature	14	(77.370)	=	77.370 deg. F
temperature	15	(76.960)	=	76.960 deg. F
temperature	16	(77.050)	=	77.050 deg. F
temperature	17	(76.570)	=	76.570 deg. F
temperature	18	(76.110)	=	76.110 deg. F
temperature	19	(76.090)	=	76.090 deg. F
temperature	20	(75.640)	=	75.640 deg. F
temperature	21	(75.270)	=	75.270 deg. F
temperature	22	(75.490)	=	75.490 deg. F
temperature	23	(74.330)	=	74.330 deg. F
temperature	24	(75.900)	=	75.900 deg. F
temperature	25	(74.930)	=	74.930 deg. F
temperature	26	(74.580)	=	74.580 deg. F
temperature	27	(74.630)	=	74.630 deg. F
temperature	28	(74.370)	=	74.370 deg. F
temperature	29	(74.400)	=	74.400 deg. F
temperature	30	(74.480)	=	74.480 deg. F
dewpoint	1	(72.960)	=	72.960 deg. F , 0.4012 psia
dewpoint	2	(73.220)	=	73.220 deg. F , 0.4048 psia
dewpoint	3	(68.750)	=	68.750 deg. F , 0.3477 psia
dewpoint	4	(58.420)	=	58.420 deg. F , 0.2421 psia
dewpoint	5	(59.450)	=	59.450 deg. F , 0.2511 psia
dewpoint	6	(58.410)	=	58.410 deg. F , 0.2420 psia
pressure	1	(59.99130)	=	59.9913 psia
pressure	2	(59.99030)	=	59.9903 psia

weighted averages, volume and air mass

temperature	=	77.36831 deg. F
pressure	=	59.99130 psia
vapor pressure	=	0.31336 psia
volume	=	2841900 cu. ft.
dry air mass	=	852403.82 lbm

VOGTLE UNIT 1-1990 ILRT-VERIFICATION

data set 13

time = 15 date = 330

sensor		raw data		value
temperature	1	(80.400)	=	80.400 deg. F
temperature	2	(80.190)	=	80.190 deg. F
temperature	3	(79.960)	=	79.960 deg. F
temperature	4	(80.370)	=	80.370 deg. F
temperature	5	(80.430)	=	80.430 deg. F
temperature	6	(80.130)	=	80.130 deg. F
temperature	7	(80.040)	=	80.040 deg. F
temperature	8	(80.090)	=	80.090 deg. F
temperature	9	(79.670)	=	79.670 deg. F
temperature	10	(78.720)	=	78.720 deg. F
temperature	11	(78.180)	=	78.180 deg. F
temperature	12	(77.730)	=	77.730 deg. F
temperature	13	(77.550)	=	77.550 deg. F
temperature	14	(77.350)	=	77.350 deg. F
temperature	15	(76.950)	=	76.950 deg. F
temperature	16	(77.040)	=	77.040 deg. F
temperature	17	(76.560)	=	76.560 deg. F
temperature	18	(76.110)	=	76.110 deg. F
temperature	19	(76.090)	=	76.090 deg. F
temperature	20	(75.620)	=	75.620 deg. F
temperature	21	(75.270)	=	75.270 deg. F
temperature	22	(75.510)	=	75.510 deg. F
temperature	23	(74.320)	=	74.320 deg. F
temperature	24	(75.910)	=	75.910 deg. F
temperature	25	(74.930)	=	74.930 deg. F
temperature	26	(74.580)	=	74.580 deg. F
temperature	27	(74.630)	=	74.630 deg. F
temperature	28	(74.390)	=	74.390 deg. F
temperature	29	(74.410)	=	74.410 deg. F
temperature	30	(74.480)	=	74.480 deg. F
dewpoint	1	(72.910)	=	72.910 deg. F , 0.4006 psia
dewpoint	2	(73.190)	=	73.190 deg. F , 0.4043 psia
dewpoint	3	(68.910)	=	68.910 deg. F , 0.3496 psia
dewpoint	4	(58.510)	=	58.510 deg. F , 0.2428 psia
dewpoint	5	(59.510)	=	59.510 deg. F , 0.2517 psia
dewpoint	6	(58.520)	=	58.520 deg. F , 0.2429 psia
pressure	1	(59.98750)	=	59.9875 psia
pressure	2	(59.98650)	=	59.9865 psia

weighted averages, volume and air mass

temperature	=	77.34648 deg. F
pressure	=	59.98750 psia
vapor pressure	=	0.31359 psia
volume	=	2841900 cu. ft.
dry air mass	=	852380.98 lbm

VOGTLE UNIT 1-1990 ILRT-VERIFICATION

data set 14

time = 30 date = 330

sensor		raw data		value
temperature	1	(80.340)	=	80.340 deg. F
temperature	2	(80.140)	=	80.140 deg. F
temperature	3	(79.900)	=	79.900 deg. F
temperature	4	(80.300)	=	80.300 deg. F
temperature	5	(80.360)	=	80.360 deg. F
temperature	6	(80.060)	=	80.060 deg. F
temperature	7	(79.980)	=	79.980 deg. F
temperature	8	(80.040)	=	80.040 deg. F
temperature	9	(79.590)	=	79.590 deg. F
temperature	10	(78.660)	=	78.660 deg. F
temperature	11	(78.130)	=	78.130 deg. F
temperature	12	(77.700)	=	77.700 deg. F
temperature	13	(77.550)	=	77.550 deg. F
temperature	14	(77.320)	=	77.320 deg. F
temperature	15	(76.910)	=	76.910 deg. F
temperature	16	(77.010)	=	77.010 deg. F
temperature	17	(76.510)	=	76.510 deg. F
temperature	18	(76.110)	=	76.110 deg. F
temperature	19	(76.090)	=	76.090 deg. F
temperature	20	(75.660)	=	75.660 deg. F
temperature	21	(75.300)	=	75.300 deg. F
temperature	22	(75.530)	=	75.530 deg. F
temperature	23	(74.310)	=	74.310 deg. F
temperature	24	(75.910)	=	75.910 deg. F
temperature	25	(74.920)	=	74.920 deg. F
temperature	26	(74.590)	=	74.590 deg. F
temperature	27	(74.630)	=	74.630 deg. F
temperature	28	(74.390)	=	74.390 deg. F
temperature	29	(74.410)	=	74.410 deg. F
temperature	30	(74.480)	=	74.480 deg. F

dewpoint	1	(72.920)	=	72.920 deg. F	, 0.4007 psia
dewpoint	2	(73.190)	=	73.190 deg. F	, 0.4043 psia
dewpoint	3	(68.880)	=	68.880 deg. F	, 0.3493 psia
dewpoint	4	(58.550)	=	58.550 deg. F	, 0.2432 psia
dewpoint	5	(59.520)	=	59.520 deg. F	, 0.2518 psia
dewpoint	6	(58.550)	=	58.550 deg. F	, 0.2432 psia

pressure	1	(59.98350)	=	59.9835 psia
pressure	2	(59.98250)	=	59.9825 psia

weighted averages, volume and air mass

temperature	=	77.31880 deg. F
pressure	=	59.98350 psia
vapor pressure	=	0.31376 psia
volume	=	2841900 cu. ft.
dry air mass	=	852365.36 lbm

VOGTLE UNIT 1-1990 ILRT-VERIFICATION

data set 15

time = 45 date = 330

sensor		raw data		value
temperature	1	(80.290)	=	80.290 deg. F
temperature	2	(80.090)	=	80.090 deg. F
temperature	3	(79.840)	=	79.840 deg. F
temperature	4	(80.260)	=	80.260 deg. F
temperature	5	(80.320)	=	80.320 deg. F
temperature	6	(80.020)	=	80.020 deg. F
temperature	7	(79.930)	=	79.930 deg. F
temperature	8	(79.980)	=	79.980 deg. F
temperature	9	(79.550)	=	79.550 deg. F
temperature	10	(78.620)	=	78.620 deg. F
temperature	11	(78.090)	=	78.090 deg. F
temperature	12	(77.680)	=	77.680 deg. F
temperature	13	(77.530)	=	77.530 deg. F
temperature	14	(77.300)	=	77.300 deg. F
temperature	15	(76.880)	=	76.880 deg. F
temperature	16	(76.980)	=	76.980 deg. F
temperature	17	(76.520)	=	76.520 deg. F
temperature	18	(76.090)	=	76.090 deg. F
temperature	19	(76.110)	=	76.110 deg. F
temperature	20	(75.650)	=	75.650 deg. F
temperature	21	(75.300)	=	75.300 deg. F
temperature	22	(75.510)	=	75.510 deg. F
temperature	23	(74.350)	=	74.350 deg. F
temperature	24	(75.940)	=	75.940 deg. F
temperature	25	(74.930)	=	74.930 deg. F
temperature	26	(74.590)	=	74.590 deg. F
temperature	27	(74.640)	=	74.640 deg. F
temperature	28	(74.400)	=	74.400 deg. F
temperature	29	(74.410)	=	74.410 deg. F
temperature	30	(74.490)	=	74.490 deg. F
dewpoint	1	(72.840)	=	72.840 deg. F , 0.3996 psia
dewpoint	2	(73.160)	=	73.160 deg. F , 0.4039 psia
dewpoint	3	(68.690)	=	68.690 deg. F , 0.3470 psia
dewpoint	4	(58.610)	=	58.610 deg. F , 0.2437 psia
dewpoint	5	(59.590)	=	59.590 deg. F , 0.2524 psia
dewpoint	6	(58.740)	=	58.740 deg. F , 0.2448 psia
pressure	1	(59.97970)	=	59.9797 psia
pressure	2	(59.97850)	=	59.9785 psia

weighted averages, volume and air mass

temperature	=	77.29937 deg. F
pressure	=	59.97970 psia
vapor pressure	=	0.31399 psia
volume	=	2841900 cu. ft.
dry air mass	=	852338.64 lbm

VOGTLE UNIT 1-1990 ILRT-VERIFICATION

data set 16

time = 100 date = 330

sensor		raw data		value
temperature	1	(80.240)	=	80.240 deg. F
temperature	2	(80.030)	=	80.030 deg. F
temperature	3	(79.800)	=	79.800 deg. F
temperature	4	(80.210)	=	80.210 deg. F
temperature	5	(80.270)	=	80.270 deg. F
temperature	6	(79.970)	=	79.970 deg. F
temperature	7	(79.890)	=	79.890 deg. F
temperature	8	(79.930)	=	79.930 deg. F
temperature	9	(79.500)	=	79.500 deg. F
temperature	10	(78.580)	=	78.580 deg. F
temperature	11	(78.040)	=	78.040 deg. F
temperature	12	(77.640)	=	77.640 deg. F
temperature	13	(77.470)	=	77.470 deg. F
temperature	14	(77.270)	=	77.270 deg. F
temperature	15	(76.860)	=	76.860 deg. F
temperature	16	(76.960)	=	76.960 deg. F
temperature	17	(76.490)	=	76.490 deg. F
temperature	18	(76.090)	=	76.090 deg. F
temperature	19	(76.110)	=	76.110 deg. F
temperature	20	(75.670)	=	75.670 deg. F
temperature	21	(75.310)	=	75.310 deg. F
temperature	22	(75.520)	=	75.520 deg. F
temperature	23	(74.310)	=	74.310 deg. F
temperature	24	(75.940)	=	75.940 deg. F
temperature	25	(74.940)	=	74.940 deg. F
temperature	26	(74.600)	=	74.600 deg. F
temperature	27	(74.650)	=	74.650 deg. F
temperature	28	(74.400)	=	74.400 deg. F
temperature	29	(74.420)	=	74.420 deg. F
temperature	30	(74.490)	=	74.490 deg. F

dewpoint	1	(72.810)	=	72.810 deg. F ,	0.3992 psia
dewpoint	2	(73.190)	=	73.190 deg. F ,	0.4043 psia
dewpoint	3	(67.850)	=	67.850 deg. F ,	0.3371 psia
dewpoint	4	(58.680)	=	58.680 deg. F ,	0.2443 psia
dewpoint	5	(59.590)	=	59.590 deg. F ,	0.2524 psia
dewpoint	6	(58.700)	=	58.700 deg. F ,	0.2445 psia

pressure	1	(59.97570)	=	59.9757 psia
pressure	2	(59.97460)	=	59.9746 psia

weighted averages, volume and air mass

temperature	=	77.27467 deg. F
pressure	=	59.97570 psia
vapor pressure	=	0.31415 psia
volume	=	2841900 cu. ft.
dry air mass	=	852318.43 lbm

VOGTLE UNIT 1-1990 ILRT-VERIFICATION

data set 17

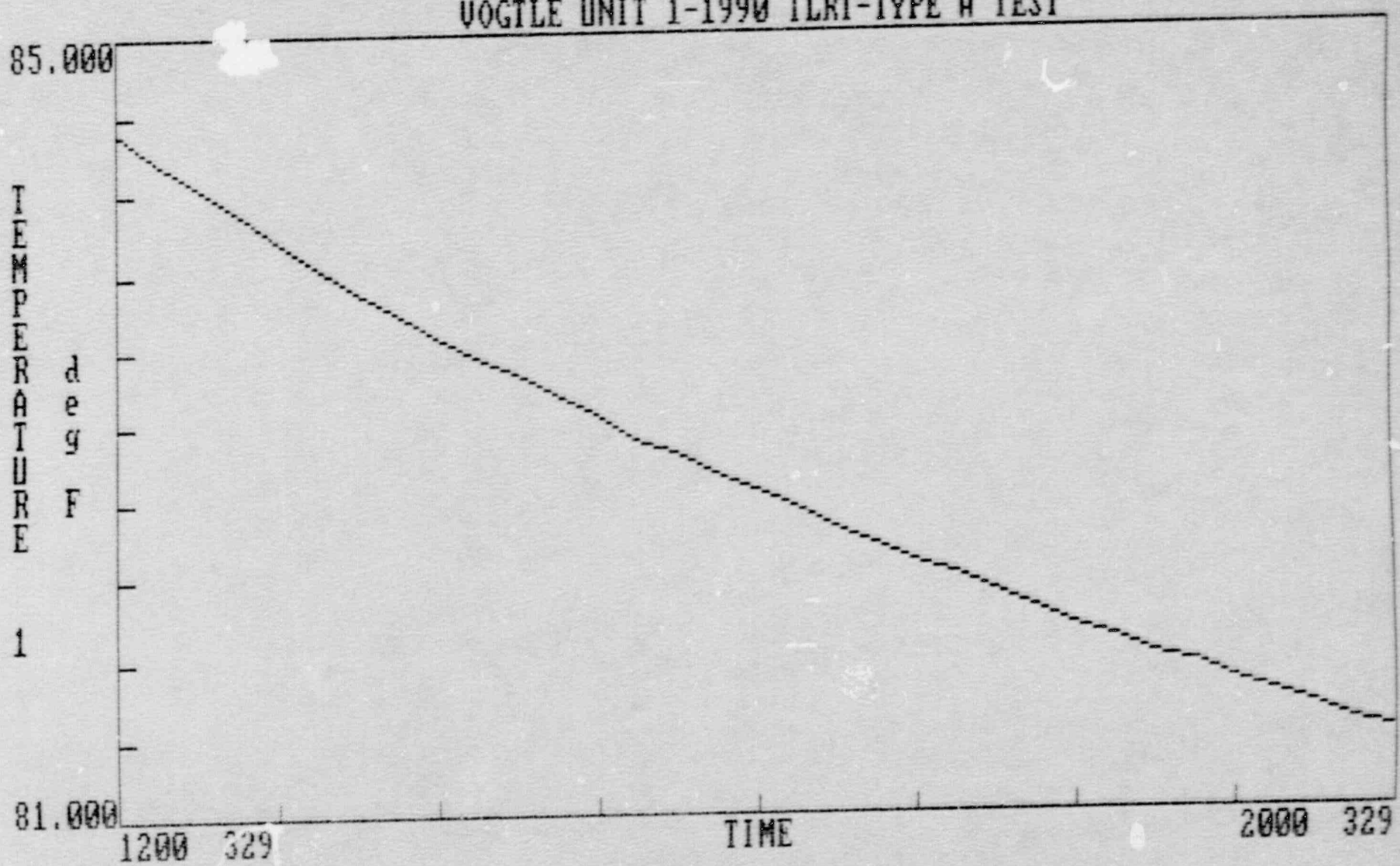
time = 115 date = 330

sensor	raw data	value
temperature 1	(80.190)	= 80.190 deg. F
temperature 2	(79.980)	= 79.980 deg. F
temperature 3	(79.740)	= 79.740 deg. F
temperature 4	(80.160)	= 80.160 deg. F
temperature 5	(80.220)	= 80.220 deg. F
temperature 6	(79.920)	= 79.920 deg. F
temperature 7	(79.840)	= 79.840 deg. F
temperature 8	(79.880)	= 79.880 deg. F
temperature 9	(79.450)	= 79.450 deg. F
temperature 10	(78.530)	= 78.530 deg. F
temperature 11	(78.000)	= 78.000 deg. F
temperature 12	(77.640)	= 77.640 deg. F
temperature 13	(77.400)	= 77.400 deg. F
temperature 14	(77.230)	= 77.230 deg. F
temperature 15	(76.840)	= 76.840 deg. F
temperature 16	(76.940)	= 76.940 deg. F
temperature 17	(76.470)	= 76.470 deg. F
temperature 18	(76.100)	= 76.100 deg. F
temperature 19	(76.110)	= 76.110 deg. F
temperature 20	(75.680)	= 75.680 deg. F
temperature 21	(75.310)	= 75.310 deg. F
temperature 22	(75.540)	= 75.540 deg. F
temperature 23	(74.350)	= 74.350 deg. F
temperature 24	(75.930)	= 75.930 deg. F
temperature 25	(74.940)	= 74.940 deg. F
temperature 26	(74.600)	= 74.600 deg. F
temperature 27	(74.660)	= 74.660 deg. F
temperature 28	(74.410)	= 74.410 deg. F
temperature 29	(74.430)	= 74.430 deg. F
temperature 30	(74.500)	= 74.500 deg. F
dewpoint 1	(72.880)	= 72.880 deg. F , 0.4001 psia
dewpoint 2	(73.260)	= 73.260 deg. F , 0.4053 psia
dewpoint 3	(67.950)	= 67.950 deg. F , 0.3383 psia
dewpoint 4	(58.750)	= 58.750 deg. F , 0.2449 psia
dewpoint 5	(59.590)	= 59.590 deg. F , 0.2524 psia
dewpoint 6	(58.770)	= 58.770 deg. F , 0.2451 psia
pressure 1	(59.97200)	= 59.9720 psia
pressure 2	(59.97070)	= 59.9707 psia

weighted averages, volume and air mass

temperature	=	77.25324 deg. F
pressure	=	59.97200 psia
vapor pressure	=	0.31483 psia
volume	=	2841900 cu. ft.
dry air mass	=	852289.77 lbm

TEMPERATURE
AND
HUMIDITY PLOTS
FOR TYPE A TEST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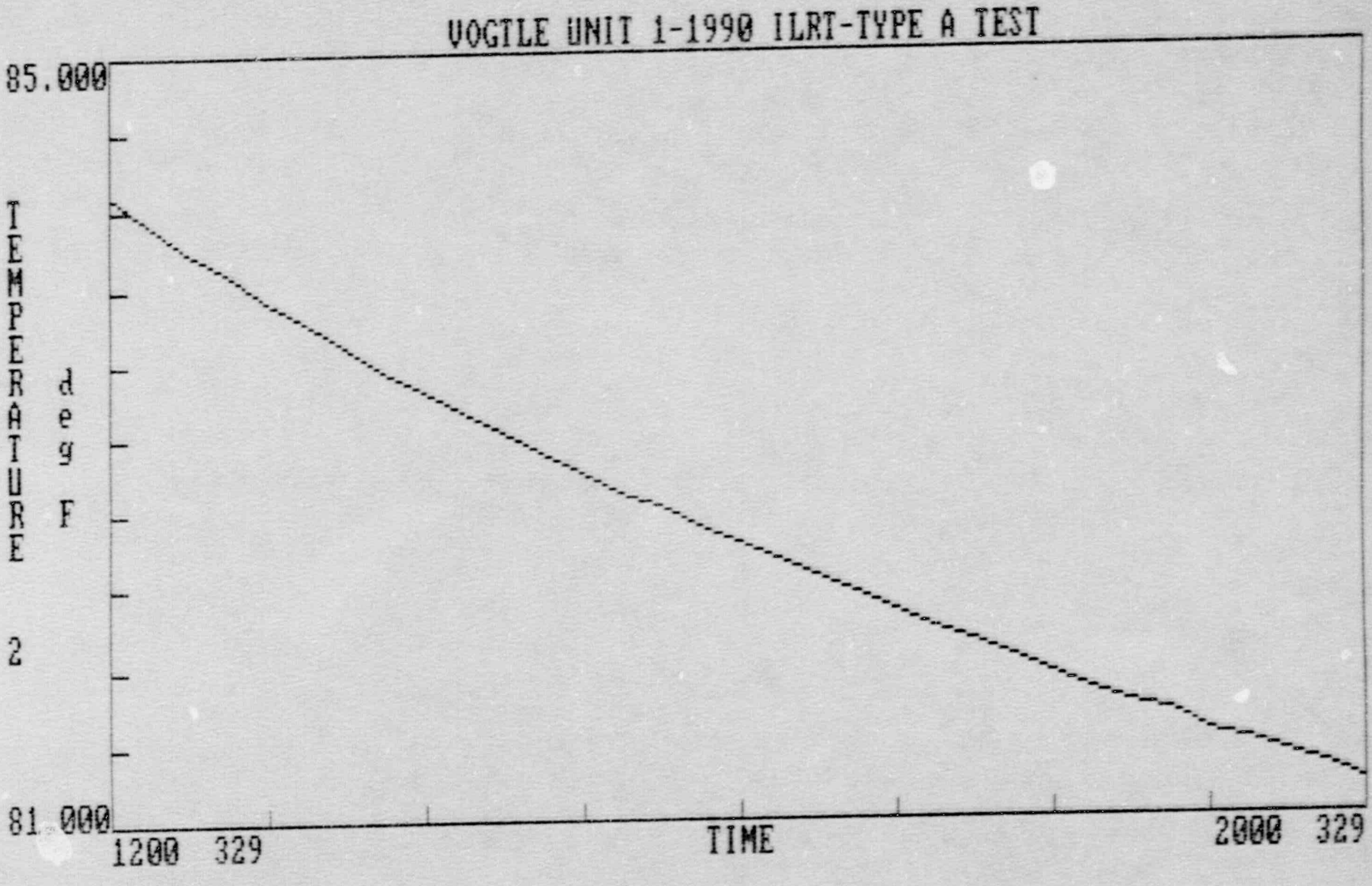
TEMPERATURE deg F
1
81.000
1200 329
TIME
2000 329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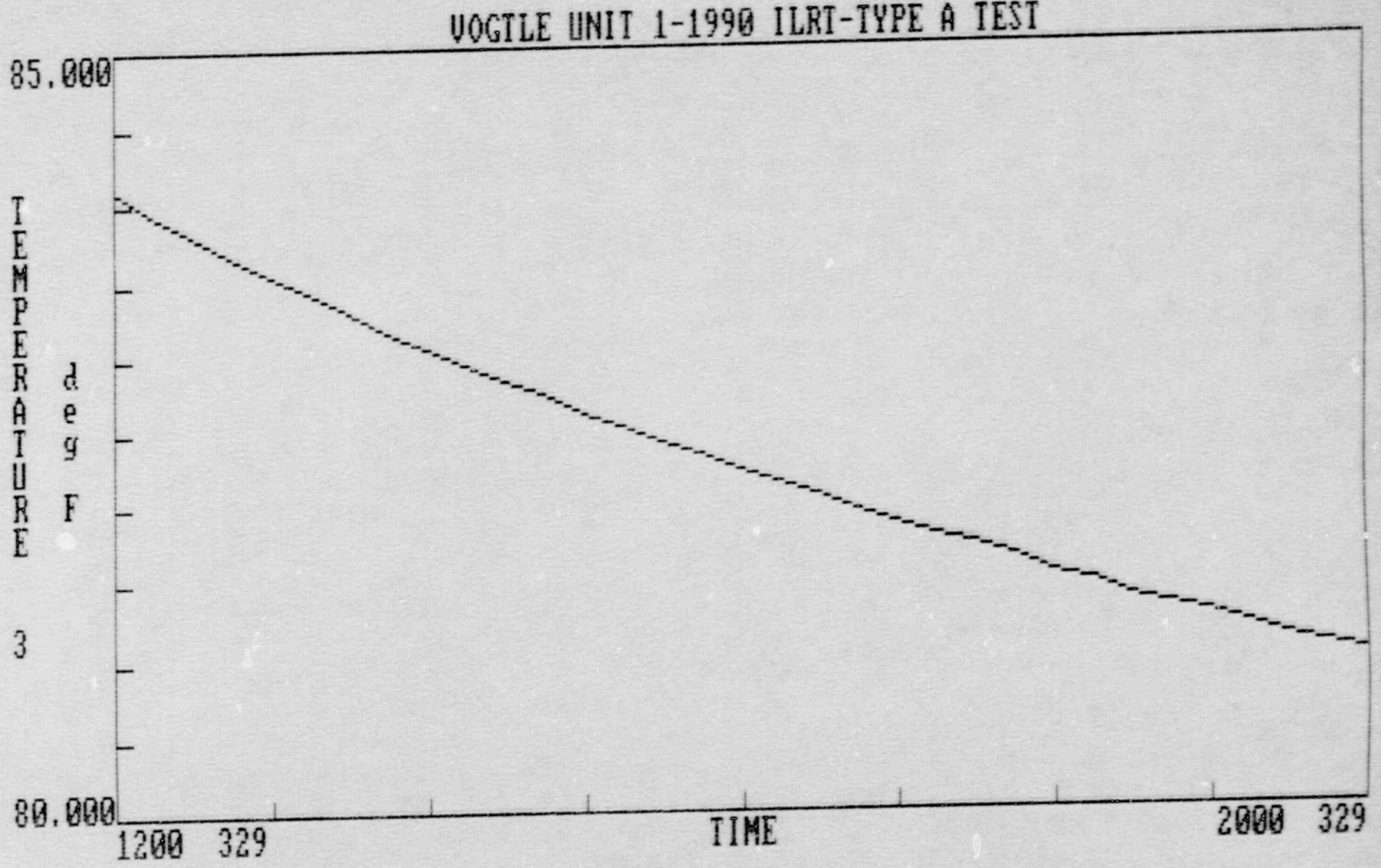
85.000
TEMPERATURE deg F
2
81.000
1200 329
TIME
2000 329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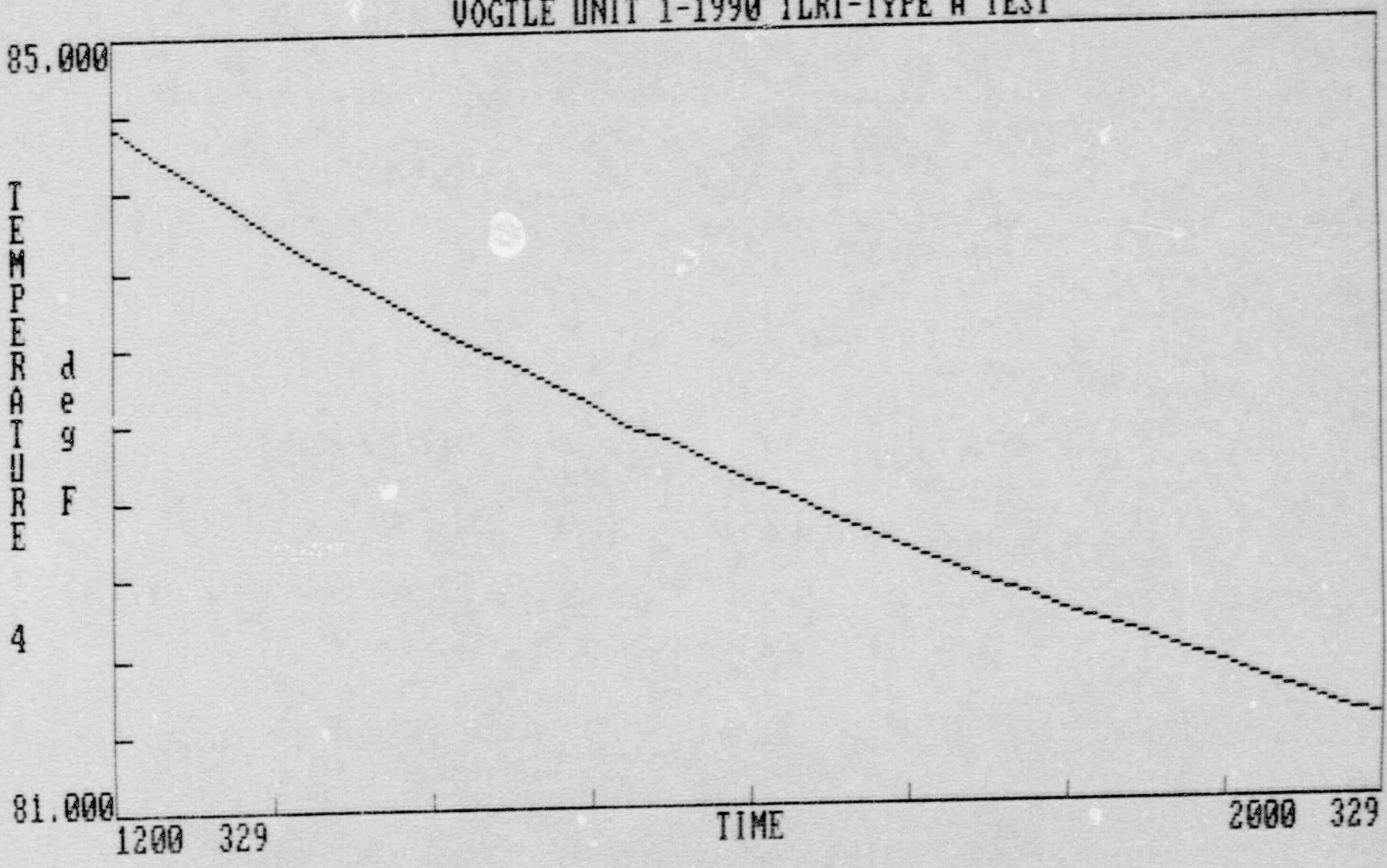
TEMPERATURE deg F
3
80.000
1200 329
TIME
2000 329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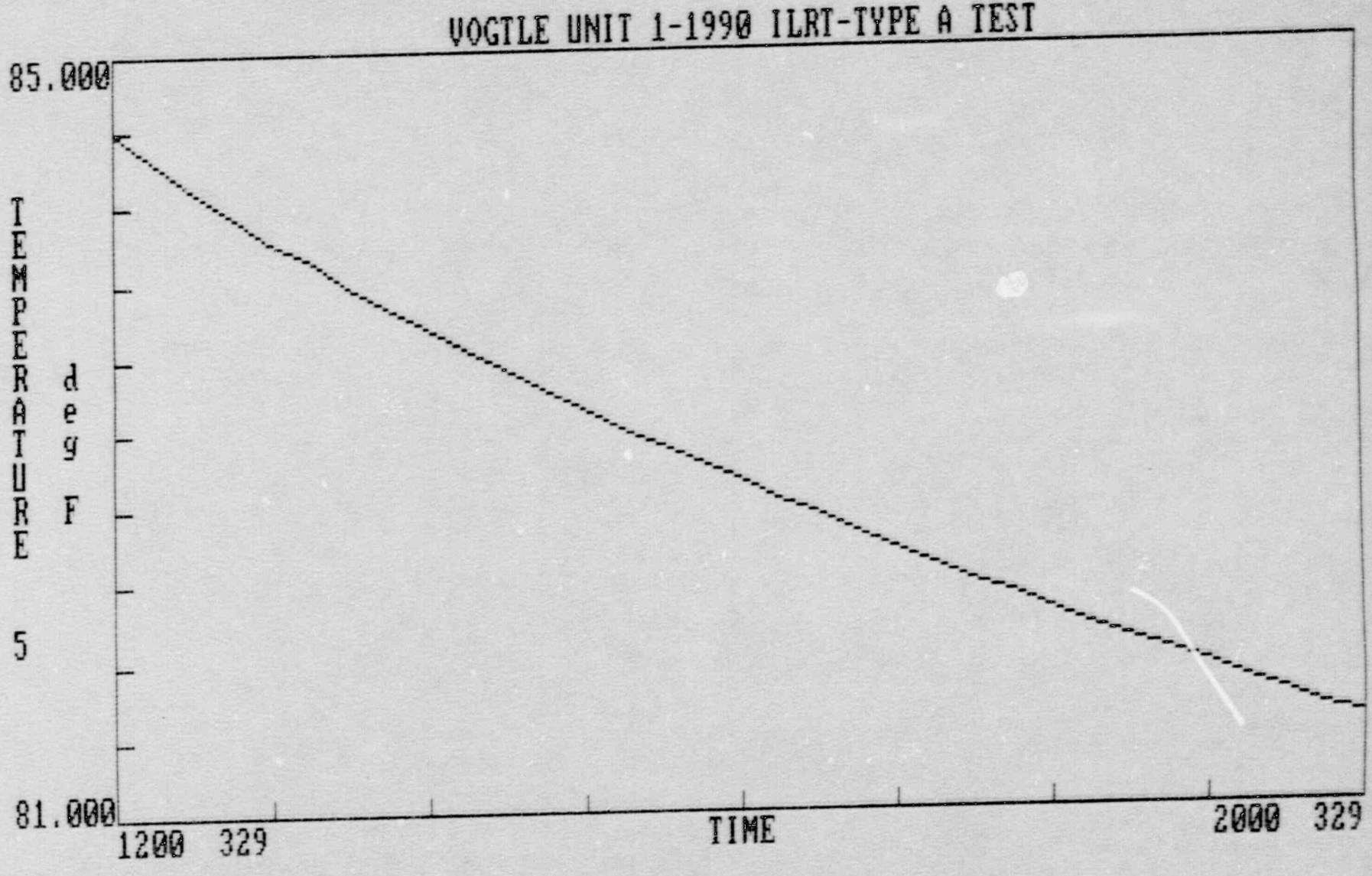
TEMPERATURE deg F
4
81.000
1200 329
TIME
2000 329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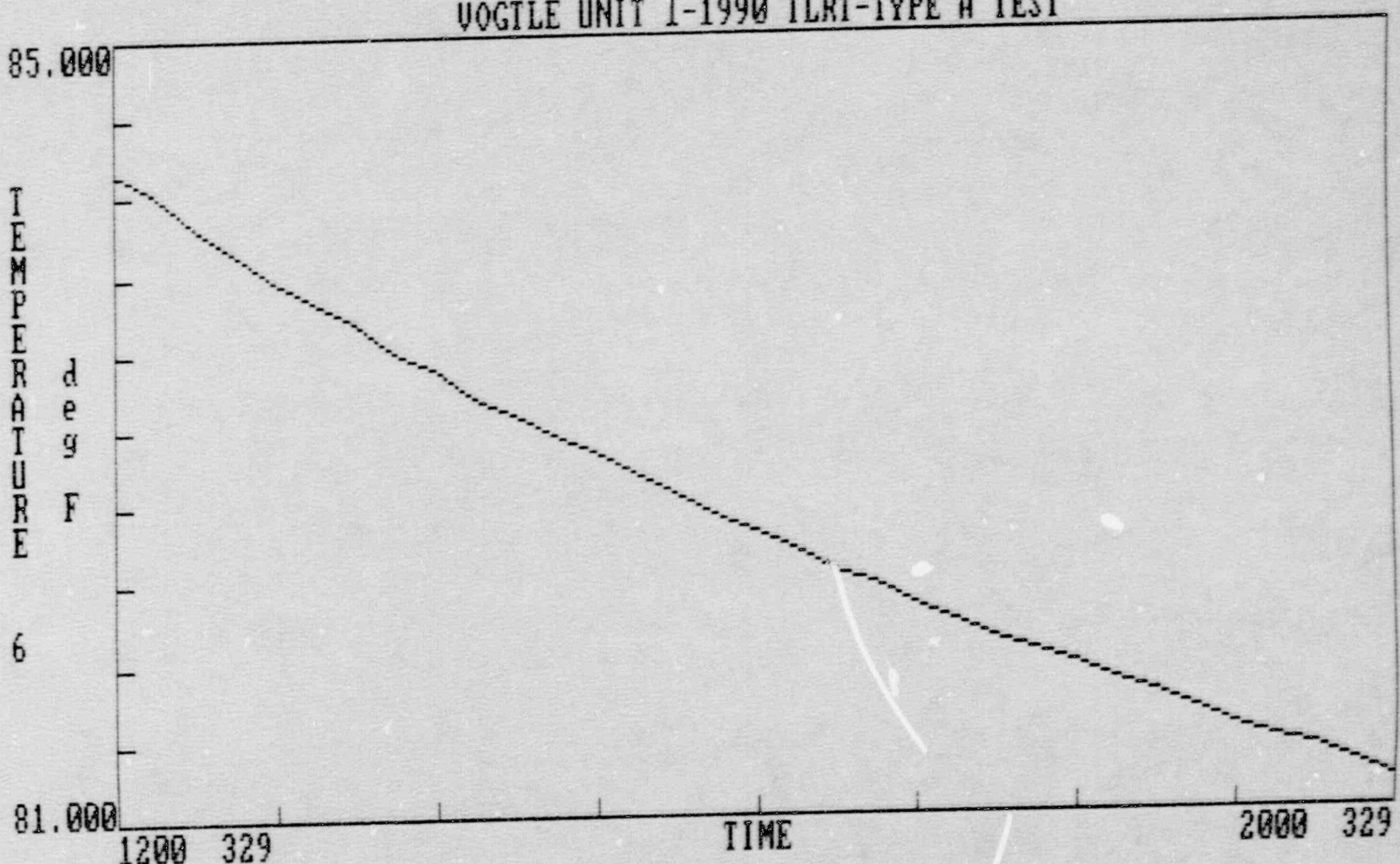
TEMPERATURE deg F
5
81.000
1200 329
TIME
2000 329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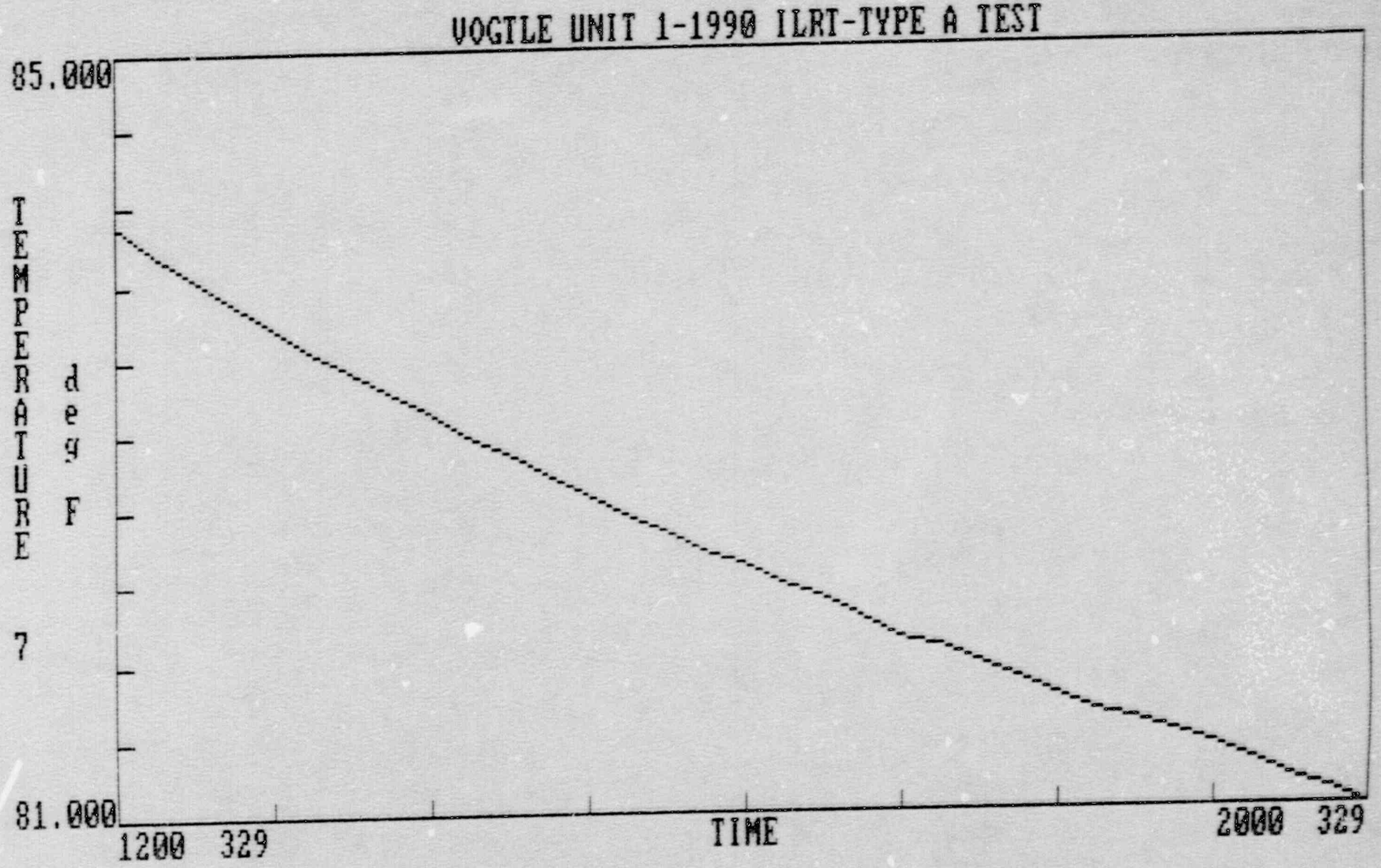
TEMPERATURE deg F
6
81.000
1200 329
TIME
2000 329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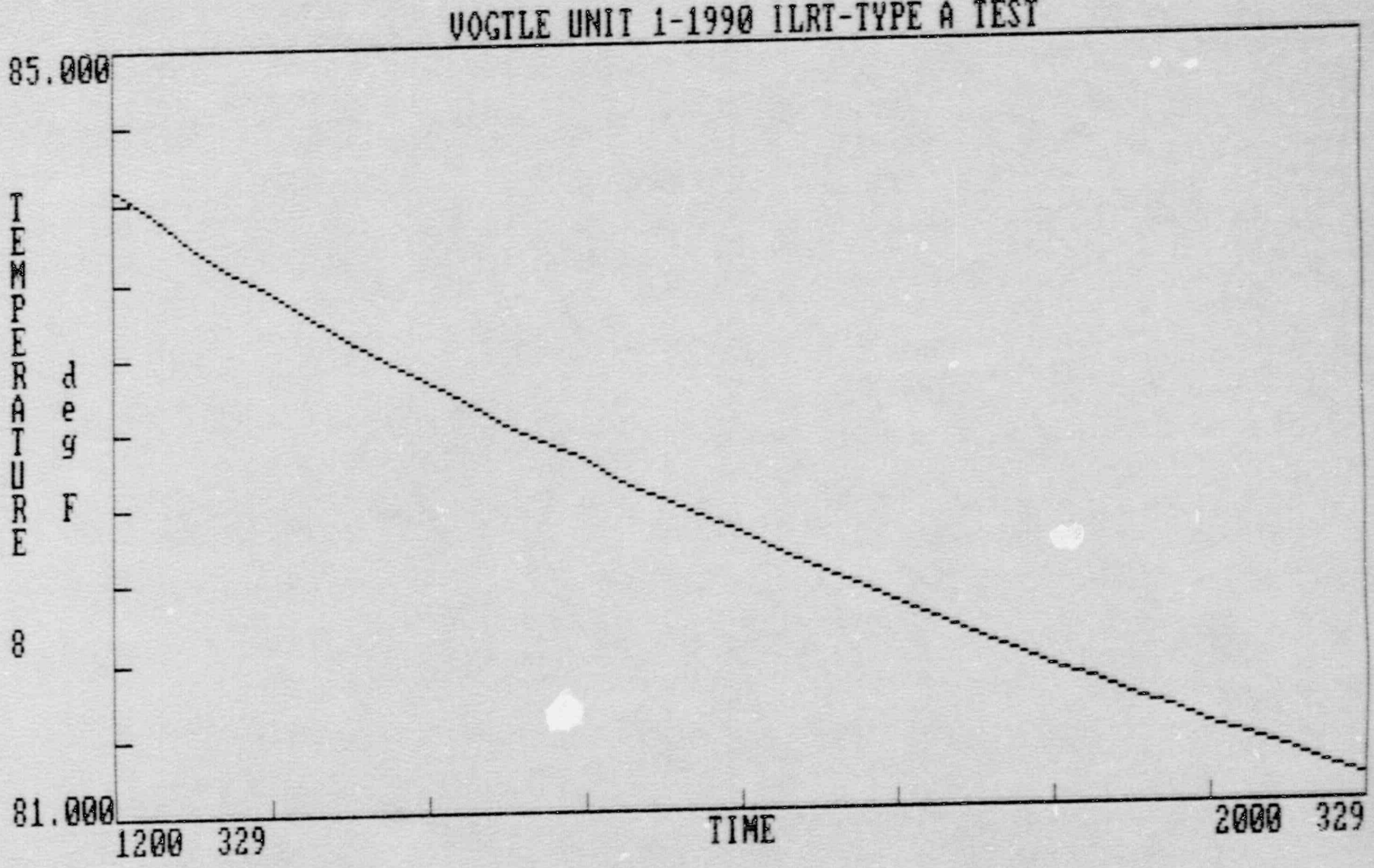
TEMPERATURE deg F
7
81.000
1200 329
TIME
2000 329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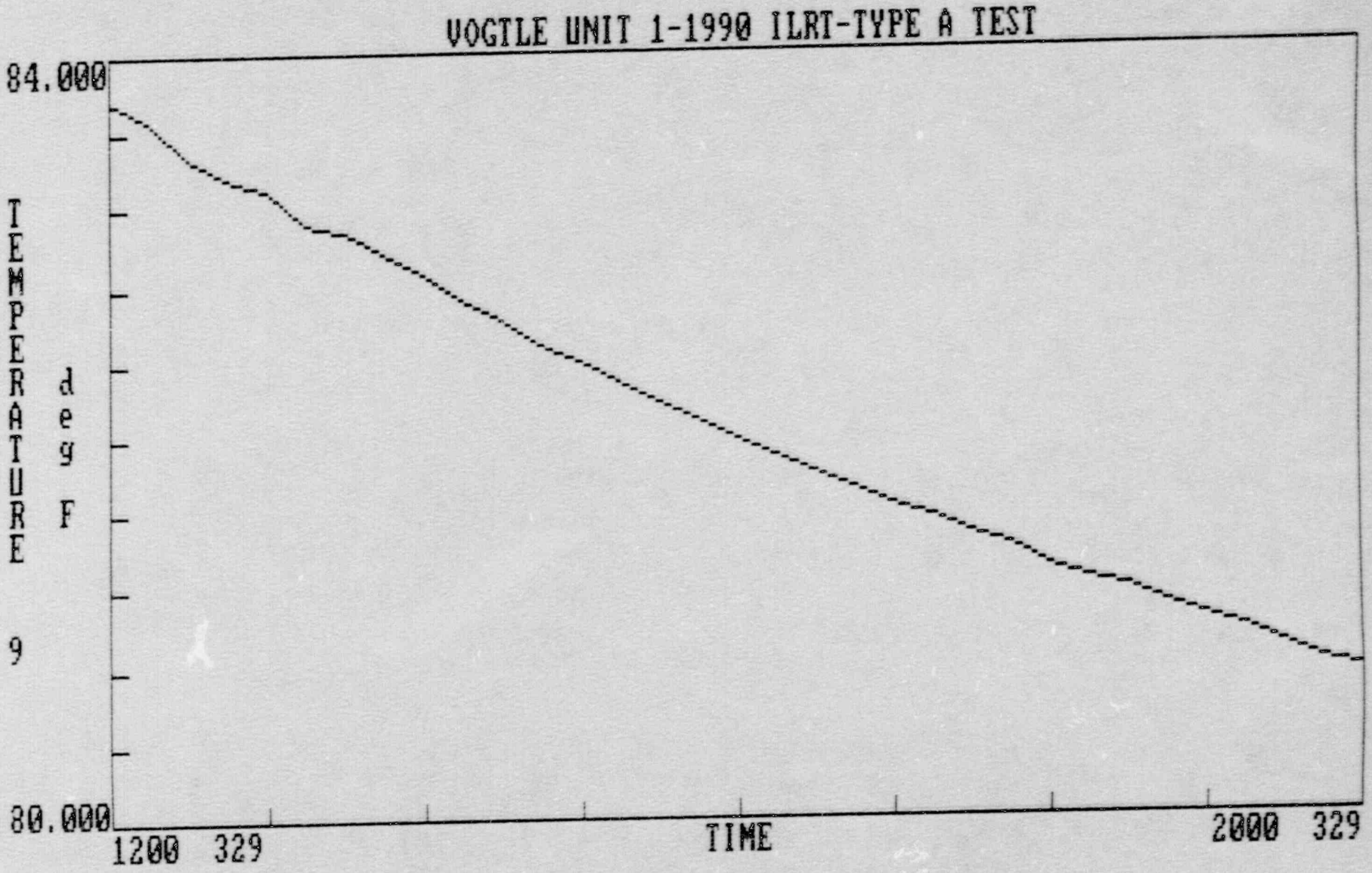
TEMPERATURE deg F
8
81.000
1200 329
TIME
2000 329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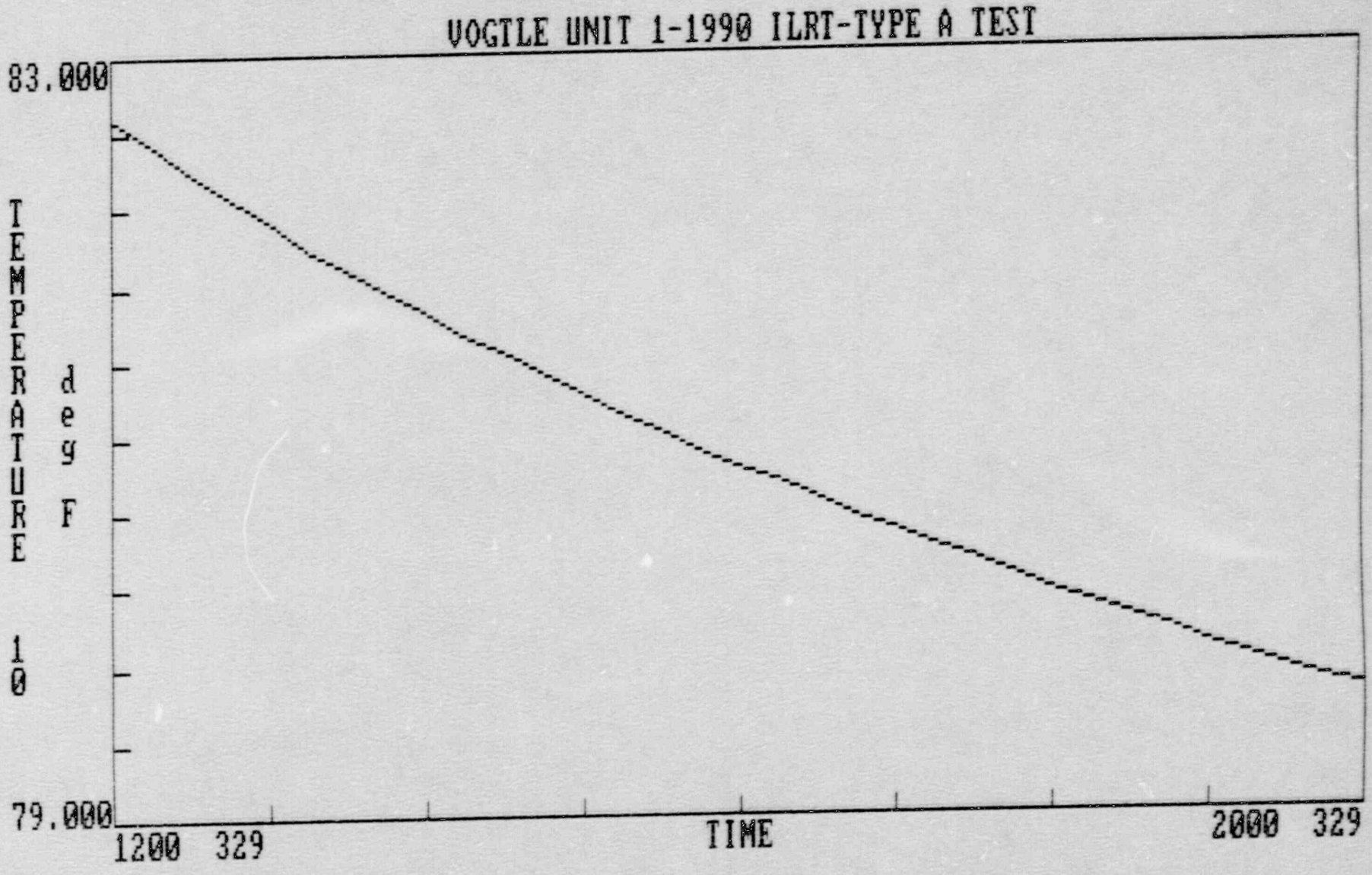
TEMPERATURE deg F
9
80.000
1200 329
TIME
2000 329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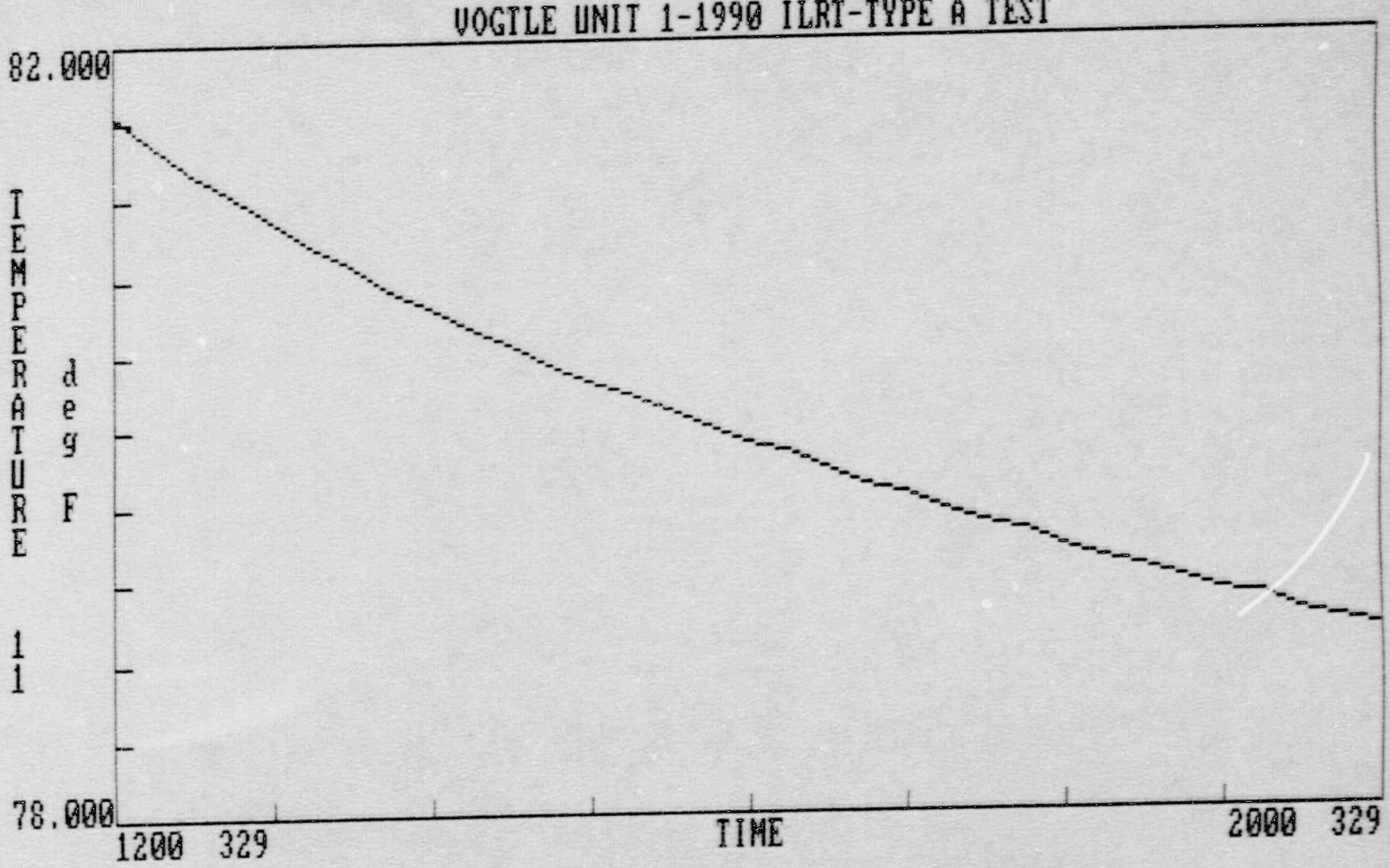
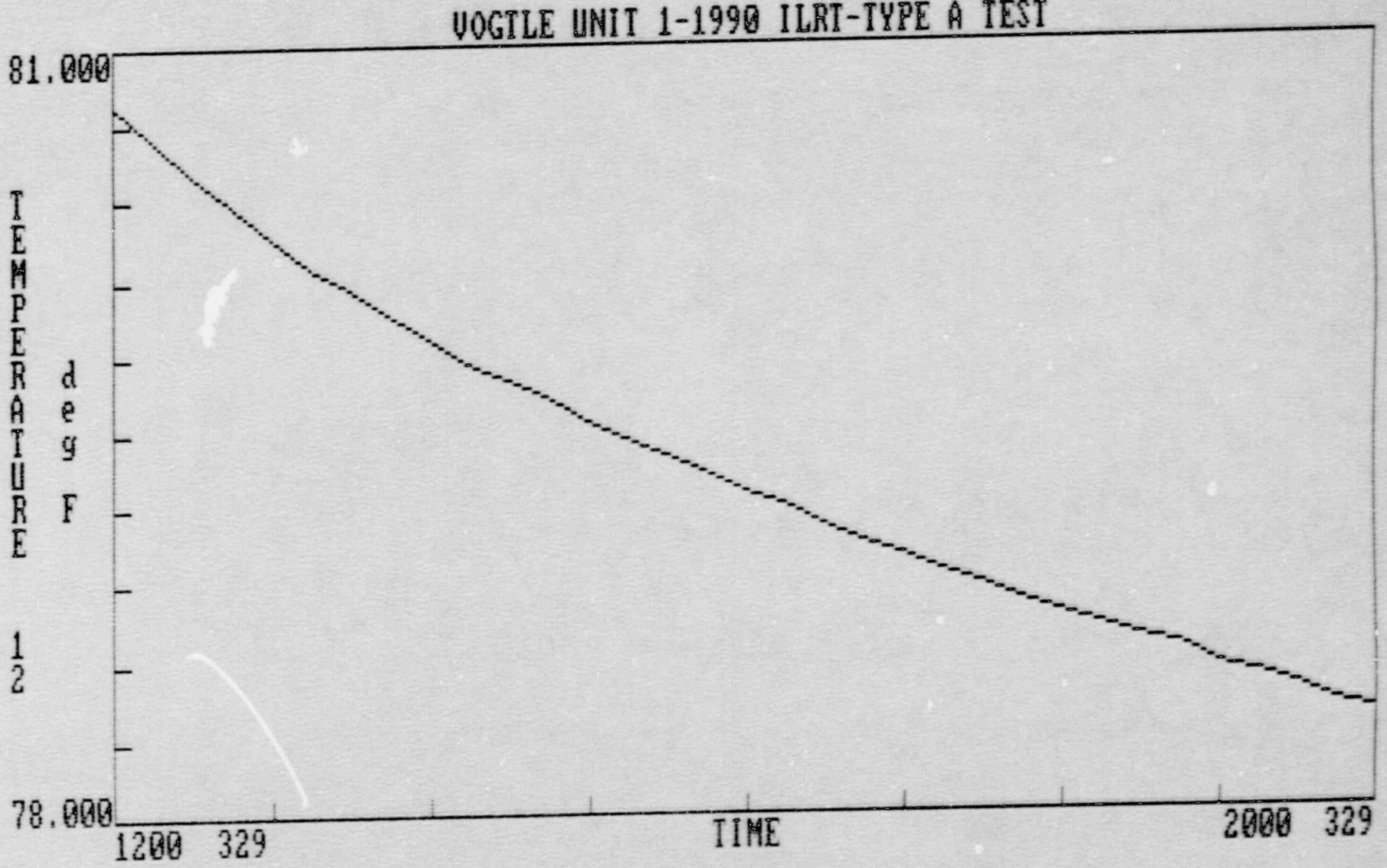
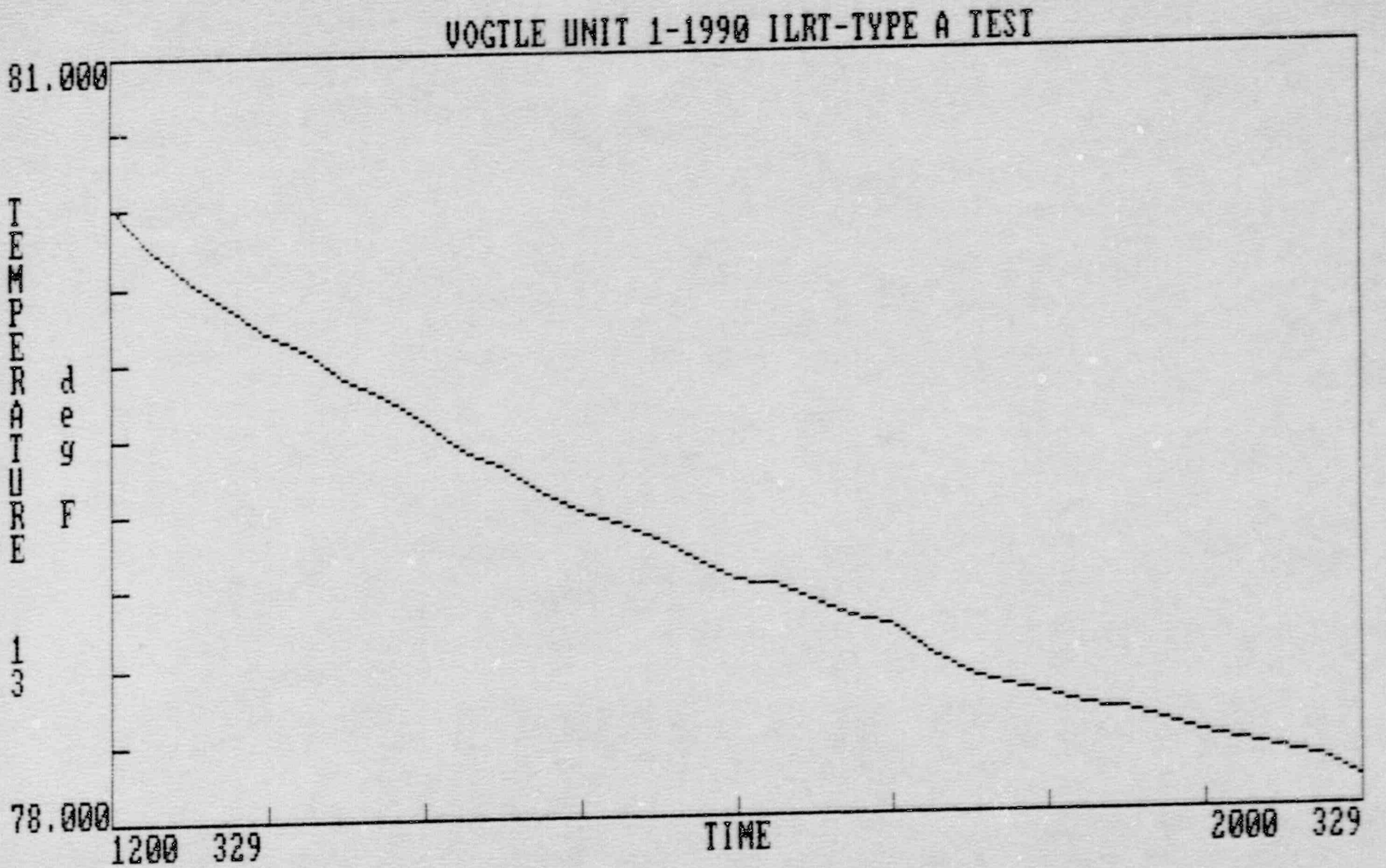
83.000
TEMPERATURE deg F
10
79.000
1200 329
TIME
2000 329


VOGTLE UNIT 1-1990 ILRT-TYPE A TEST
82.000
78.000
TEMPERATURE deg F
1
1
1200 329
TIME
2000 329


VOGTLE UNIT 1-1990 ILRT-TYPE A TEST
81.000
TEMPERATURE deg F
1
2
78.000
1200 329
TIME
2000 329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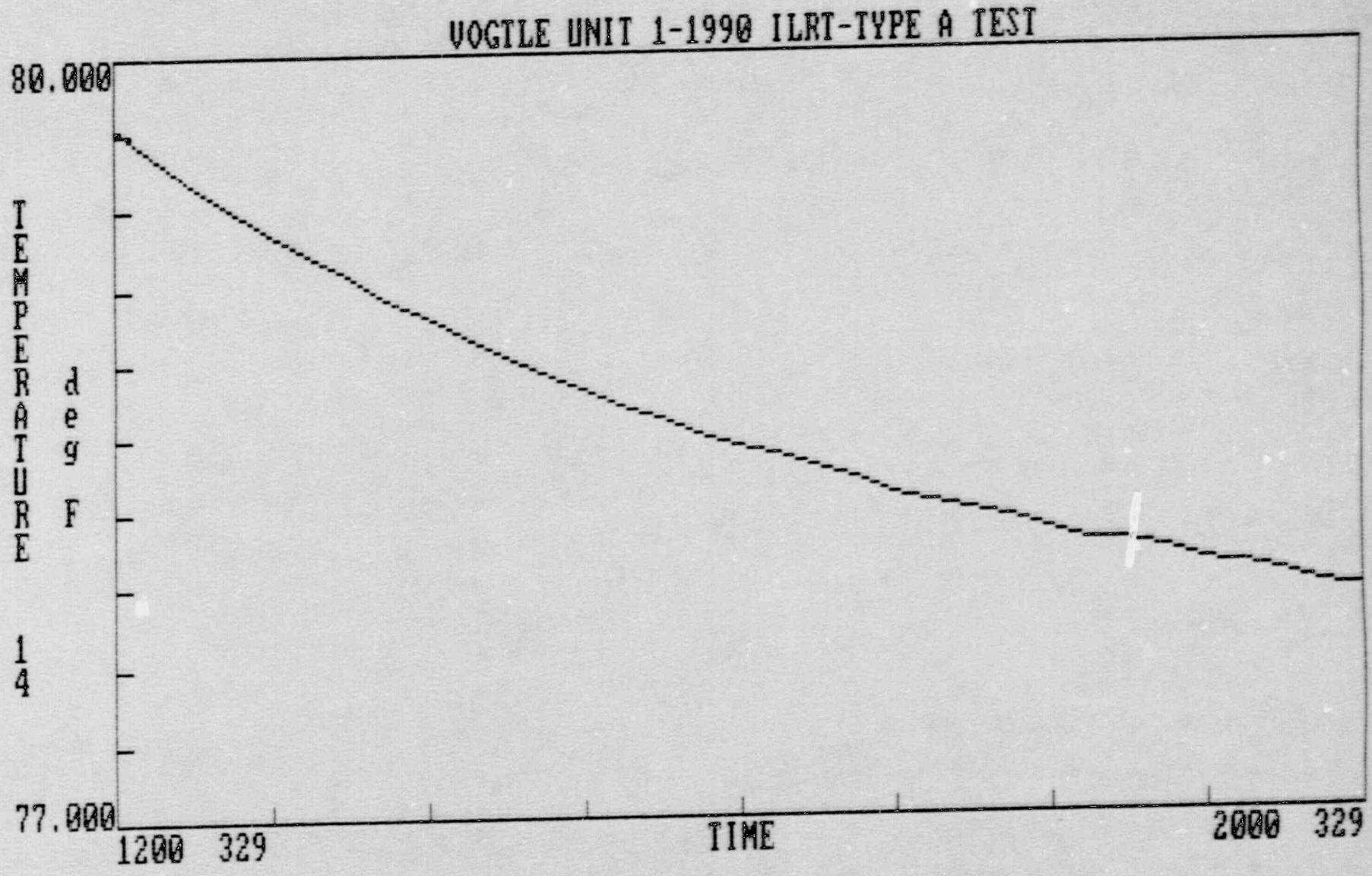
TEMPERATURE deg F
78.000
1200 329
TIME
2000 329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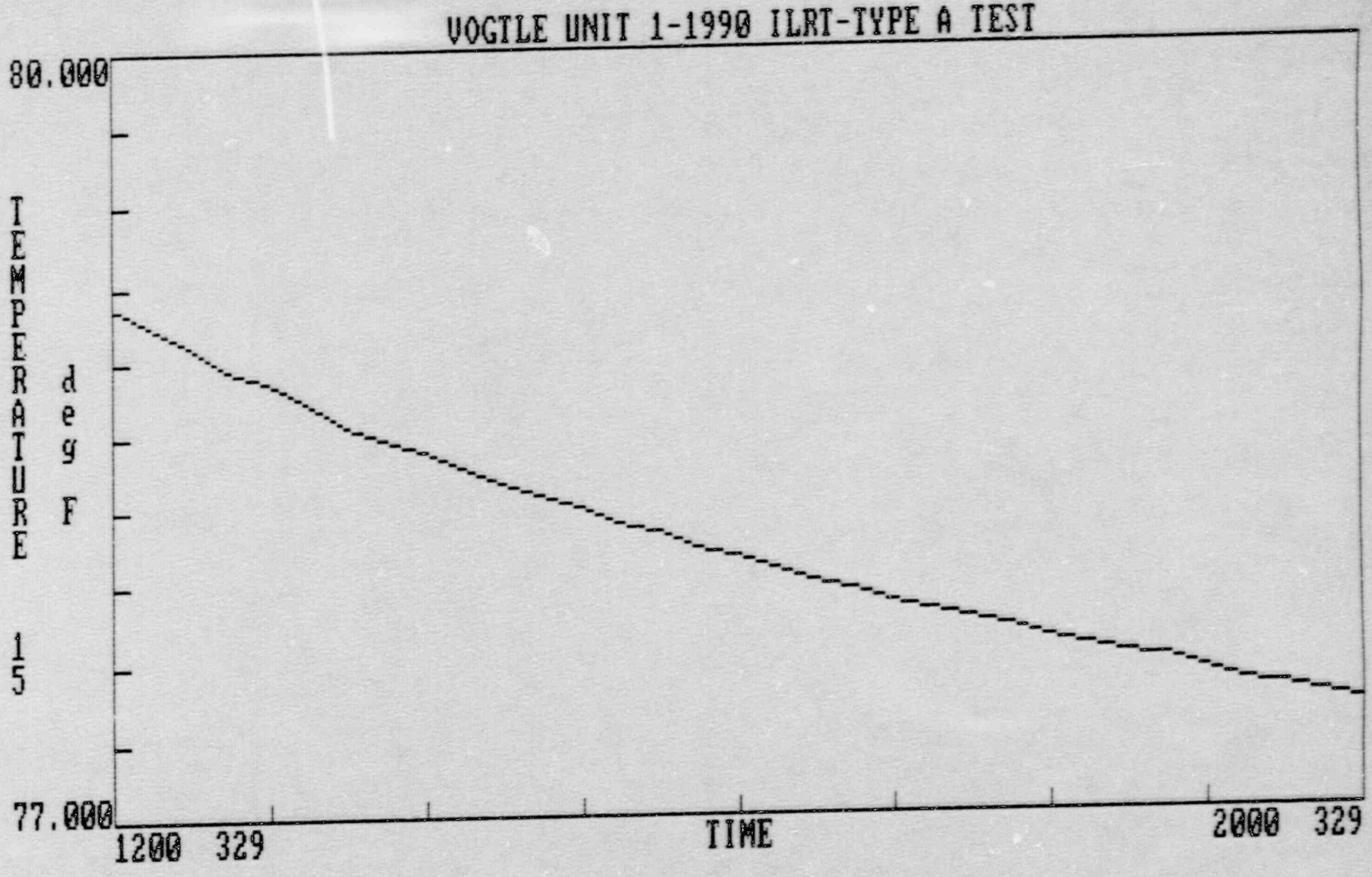
TEMPERATURE deg F
14
77.000
1200 329
TIME
2000 329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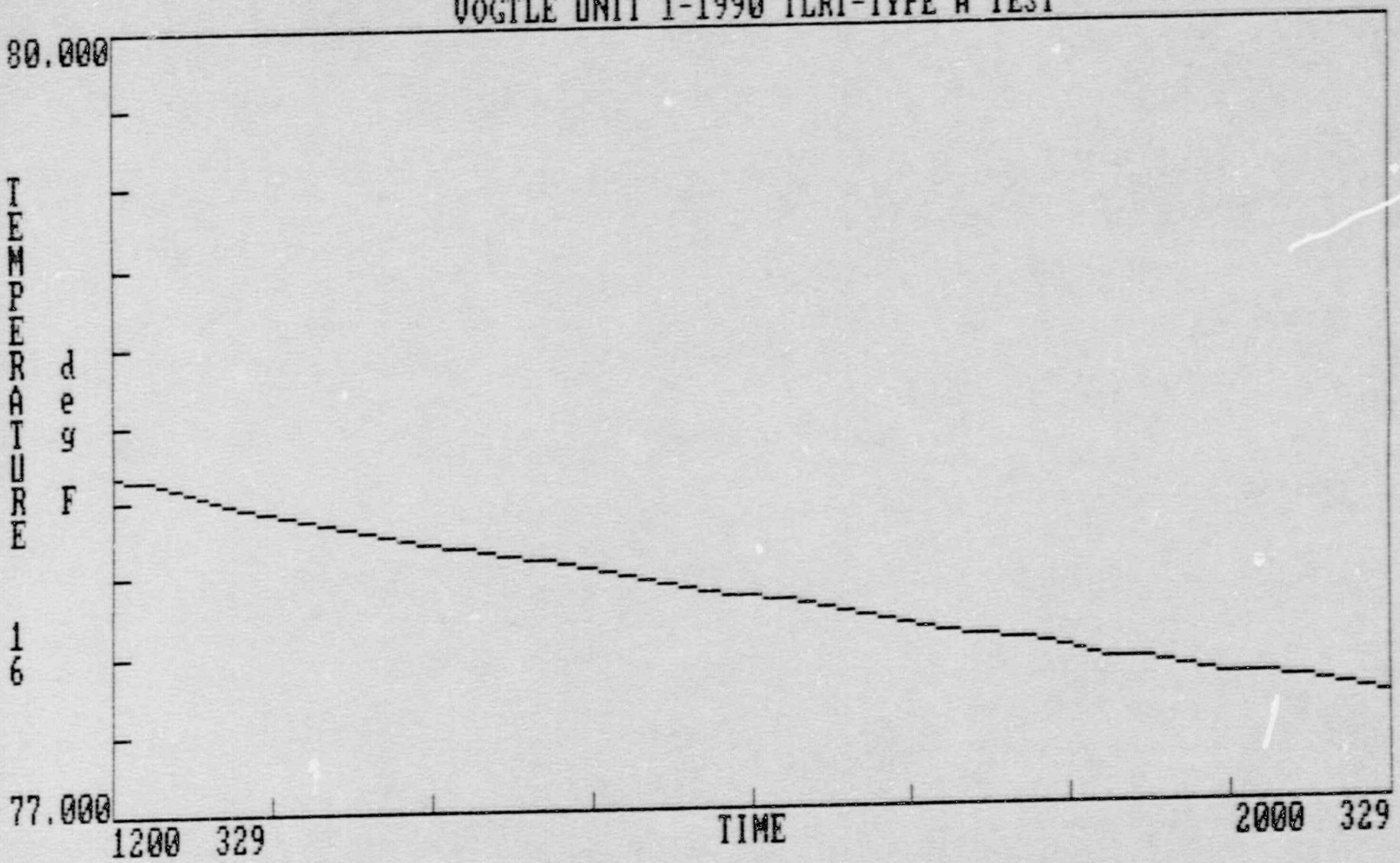
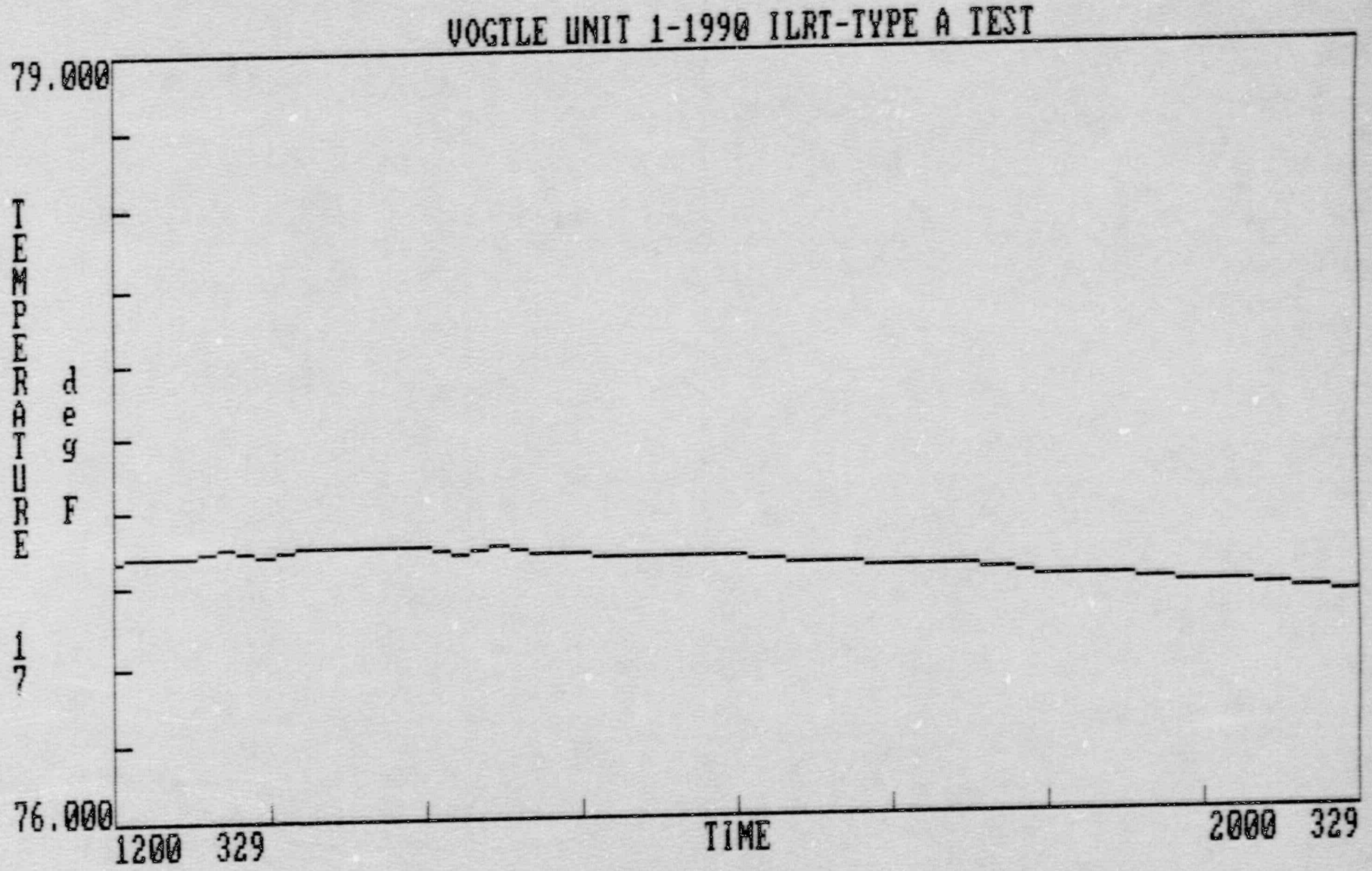
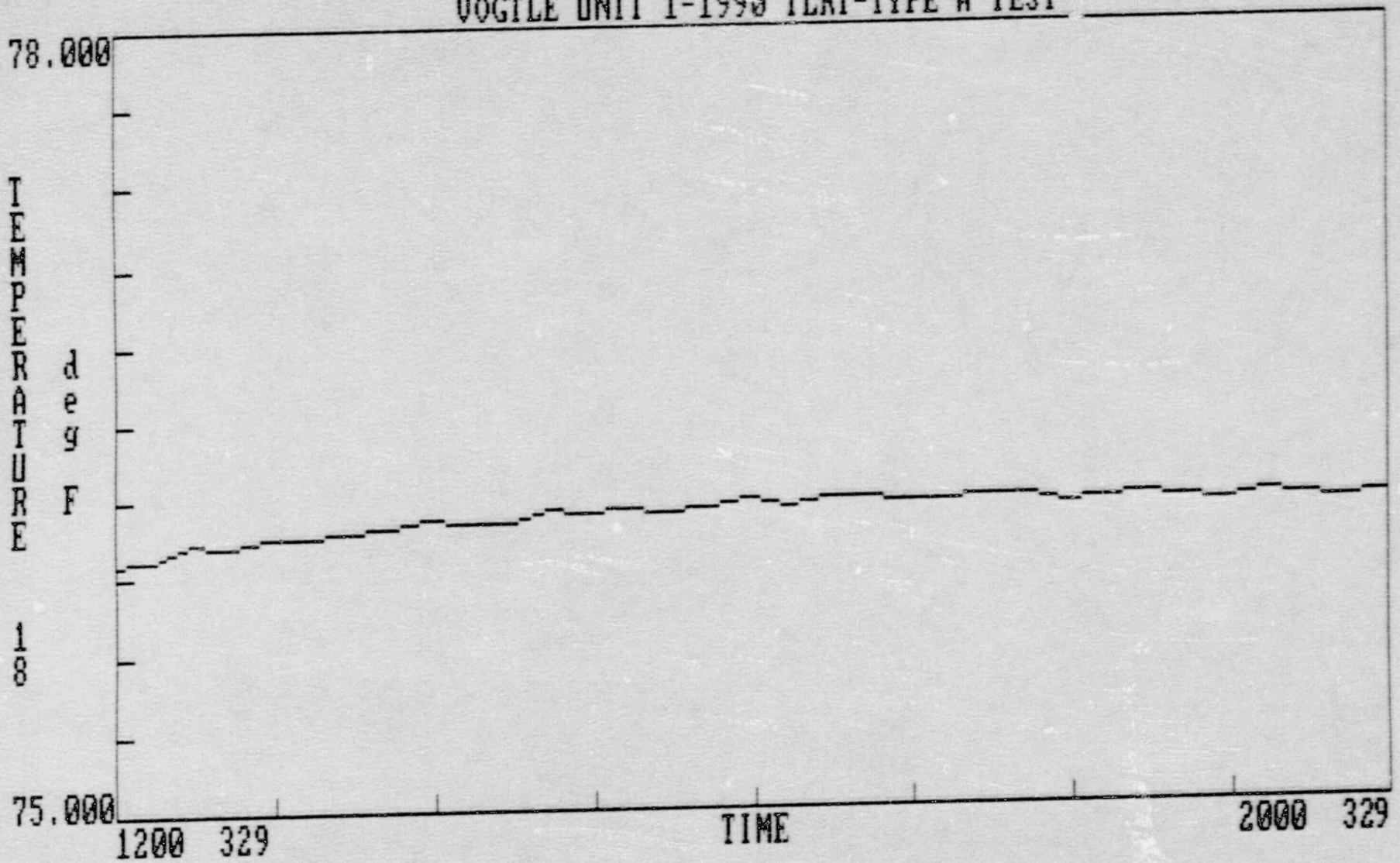
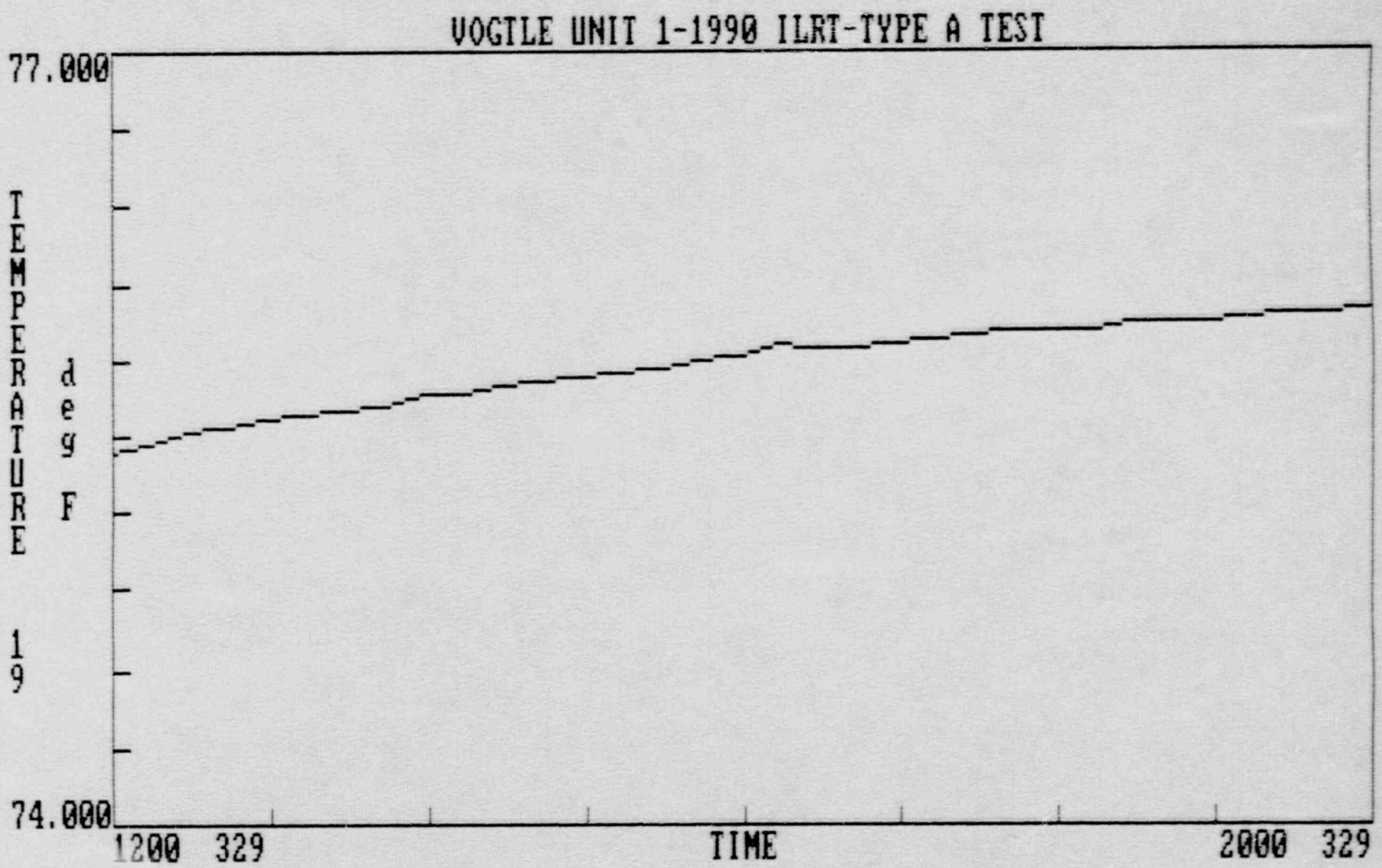
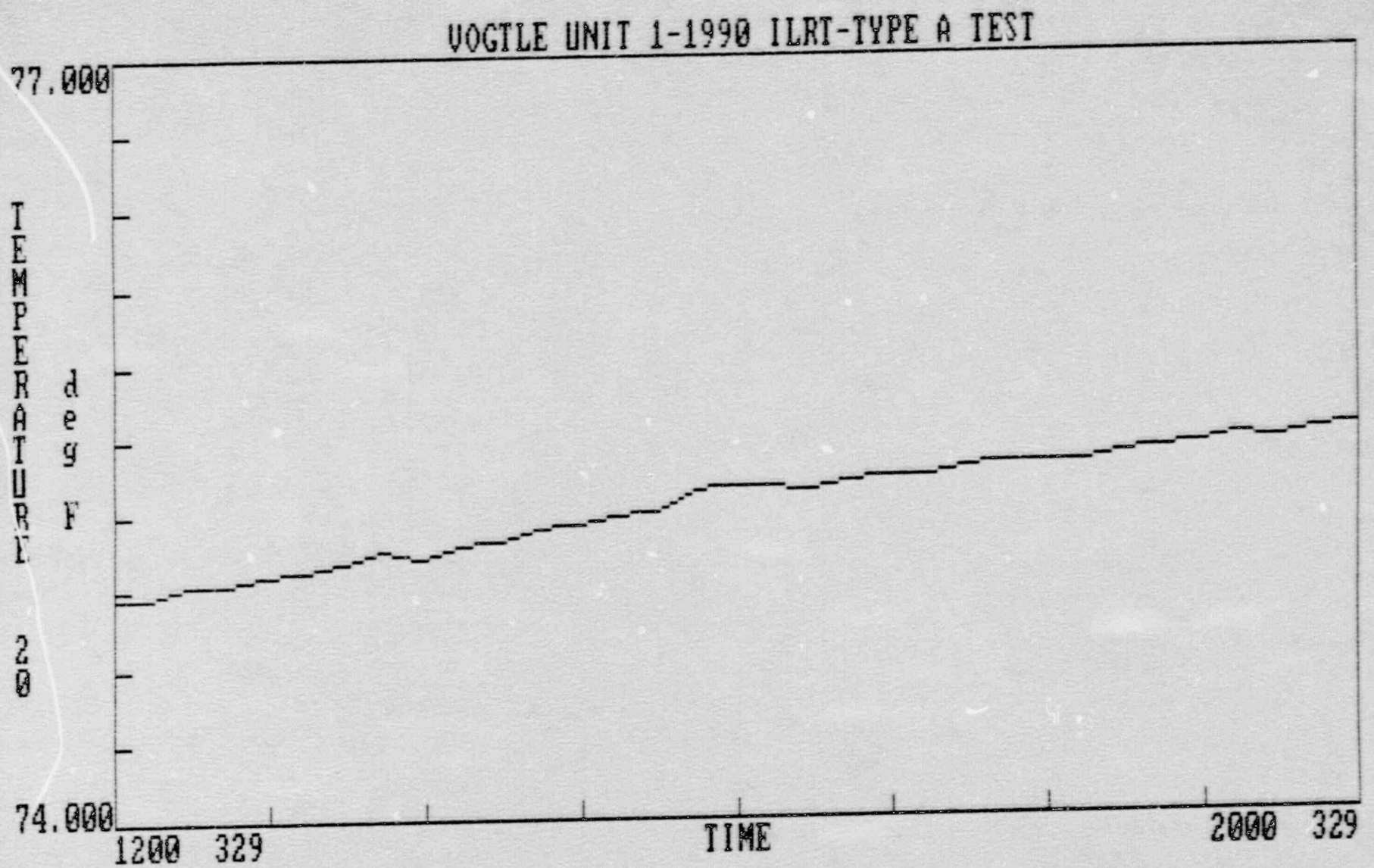
80.000
TEMPERATURE deg F
77.000
1200 329
TIME
2000 329

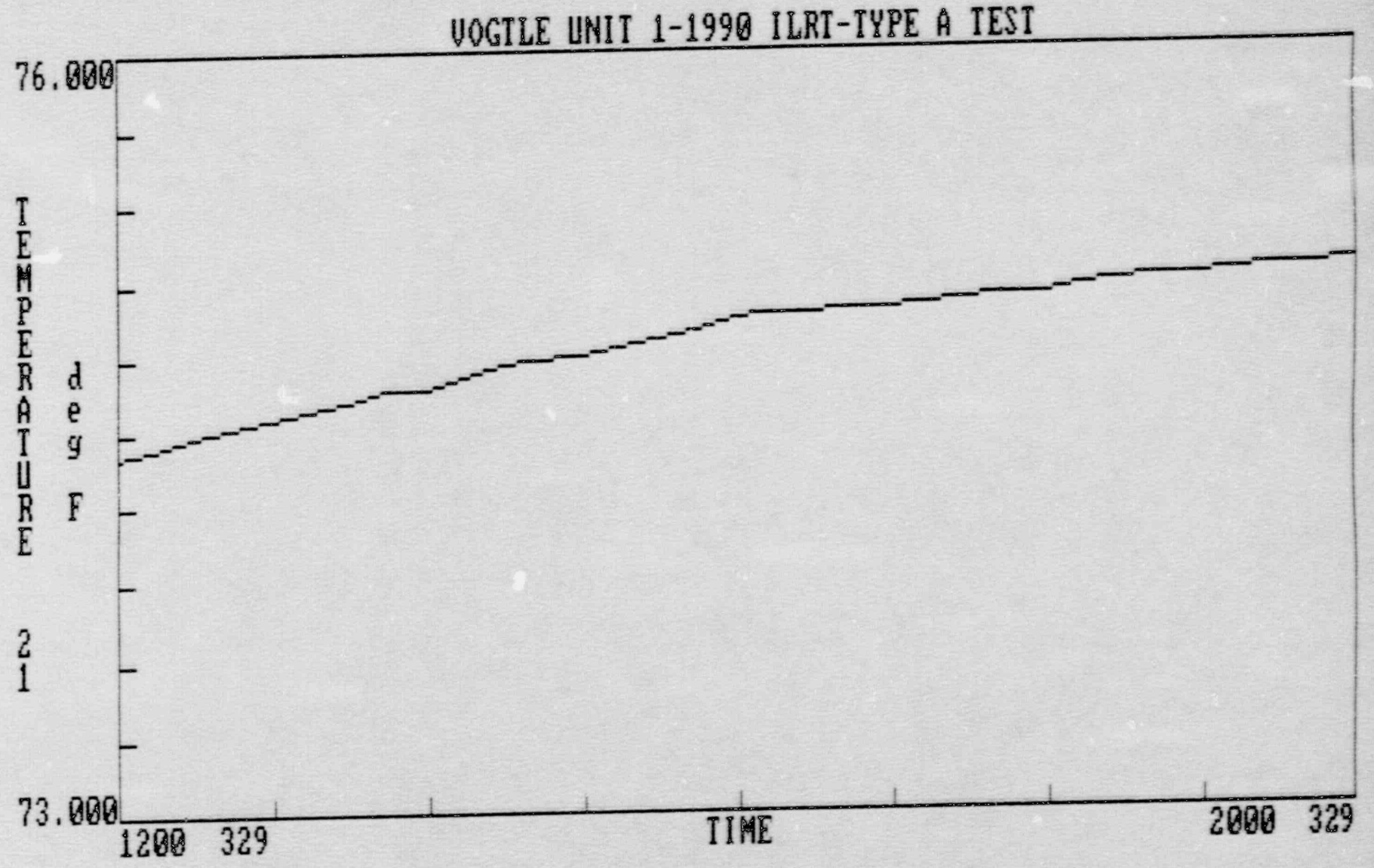

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST
80.000
TEMPERATURE deg F
16
77.000
1200 329
TIME
2000 329

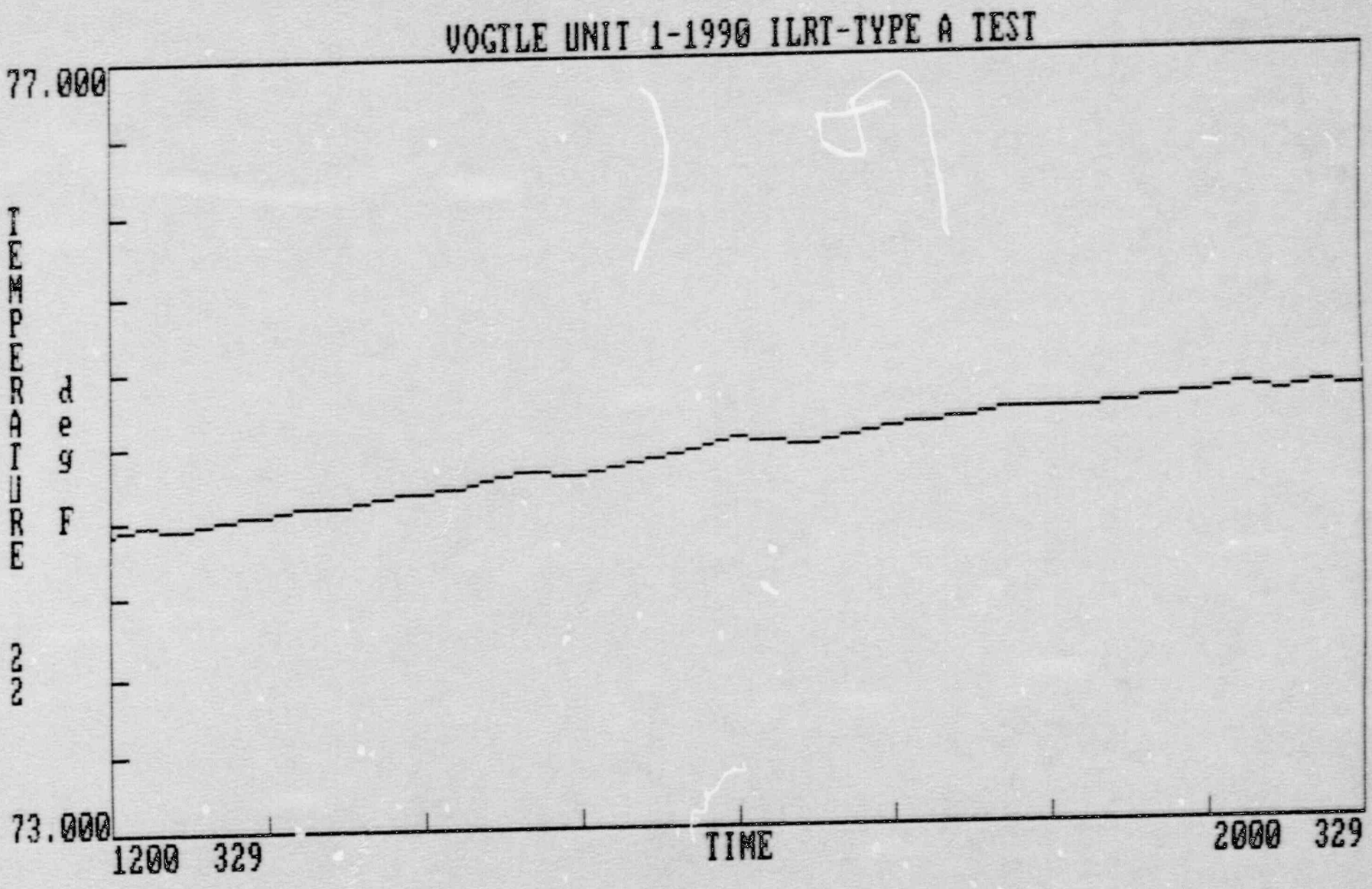

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST
79.000
TEMPERATURE deg F
1
7
76.000
1200 329
TIME
2000 329

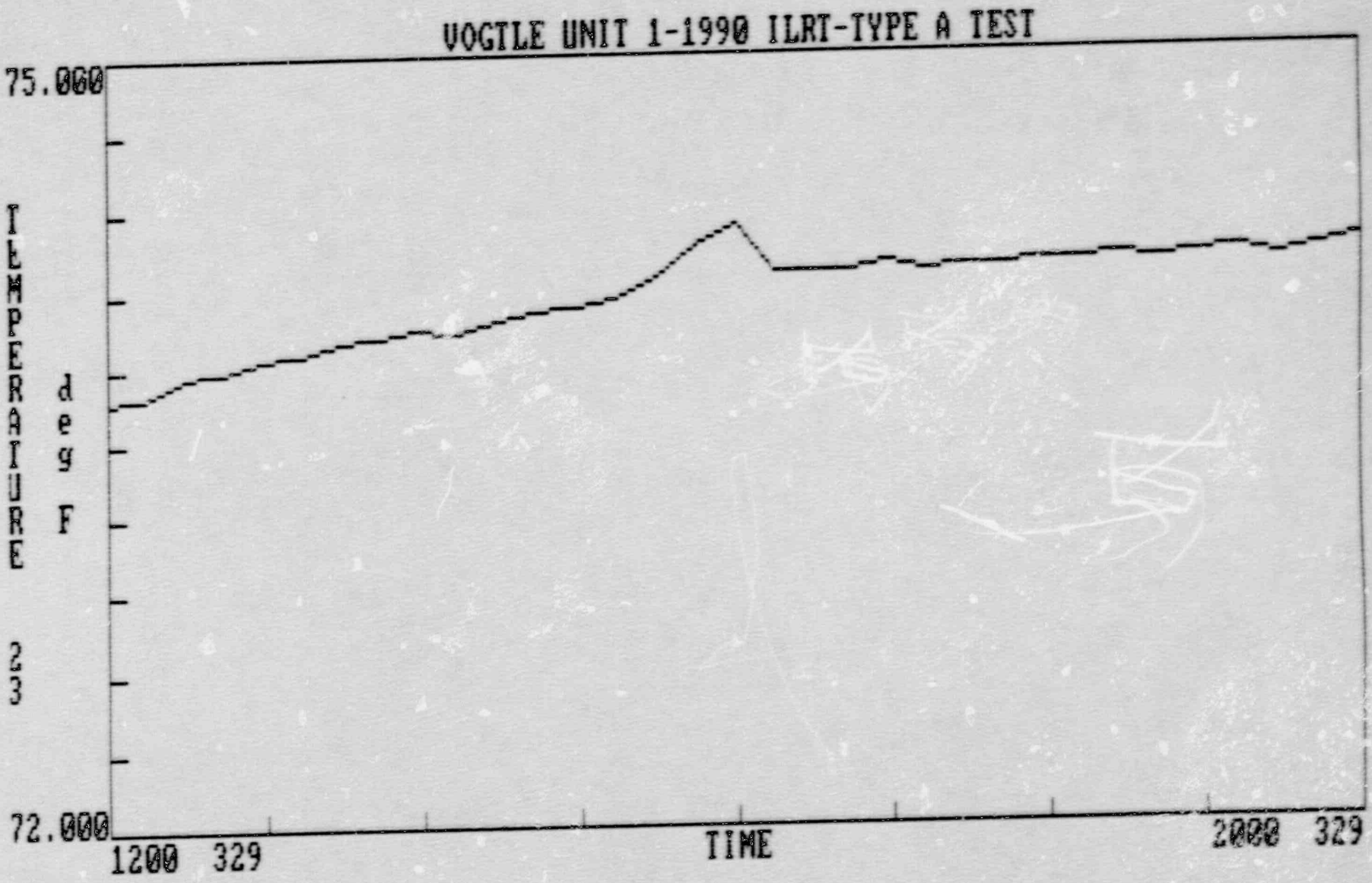

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST
78.000
TEMPERATURE deg F
18
75.000
1200 329
TIME
2000 329

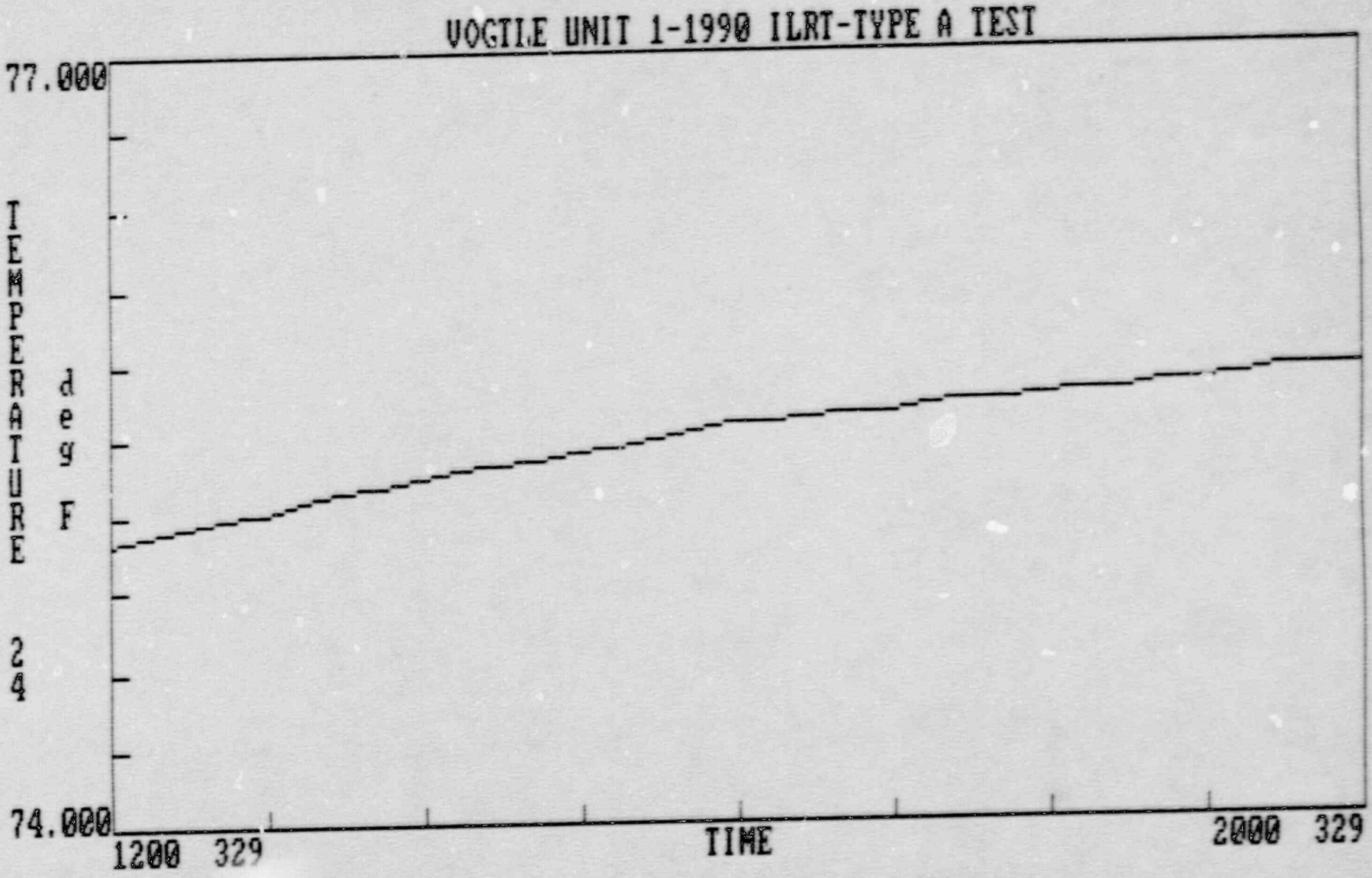

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST
77.000
TEMPERATURE deg F
19
74.000
1200 329
TIME
2000 329

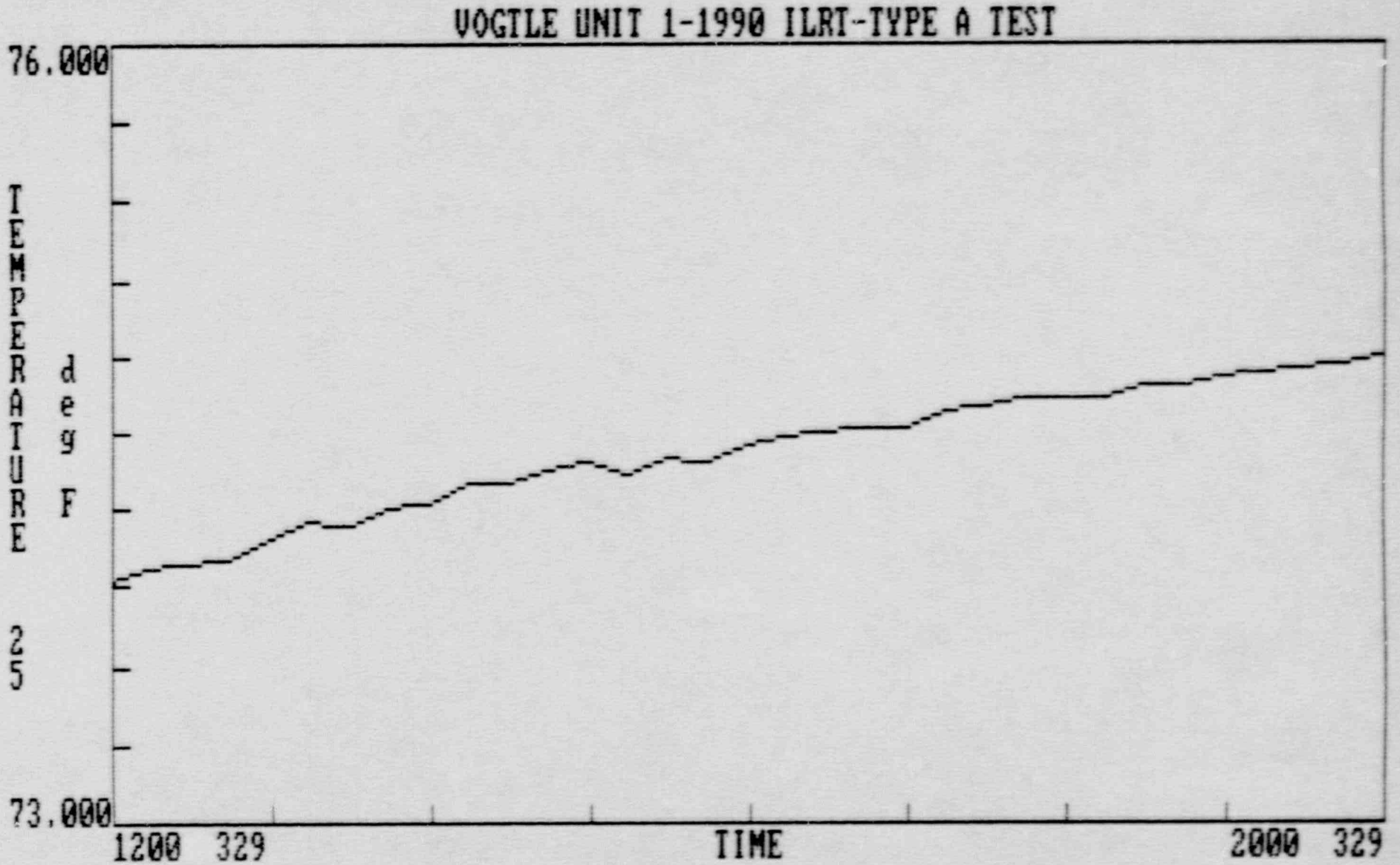

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST
77.000
TEMPERATURE deg F
20
74.000
1200 329
TIME
2000 329

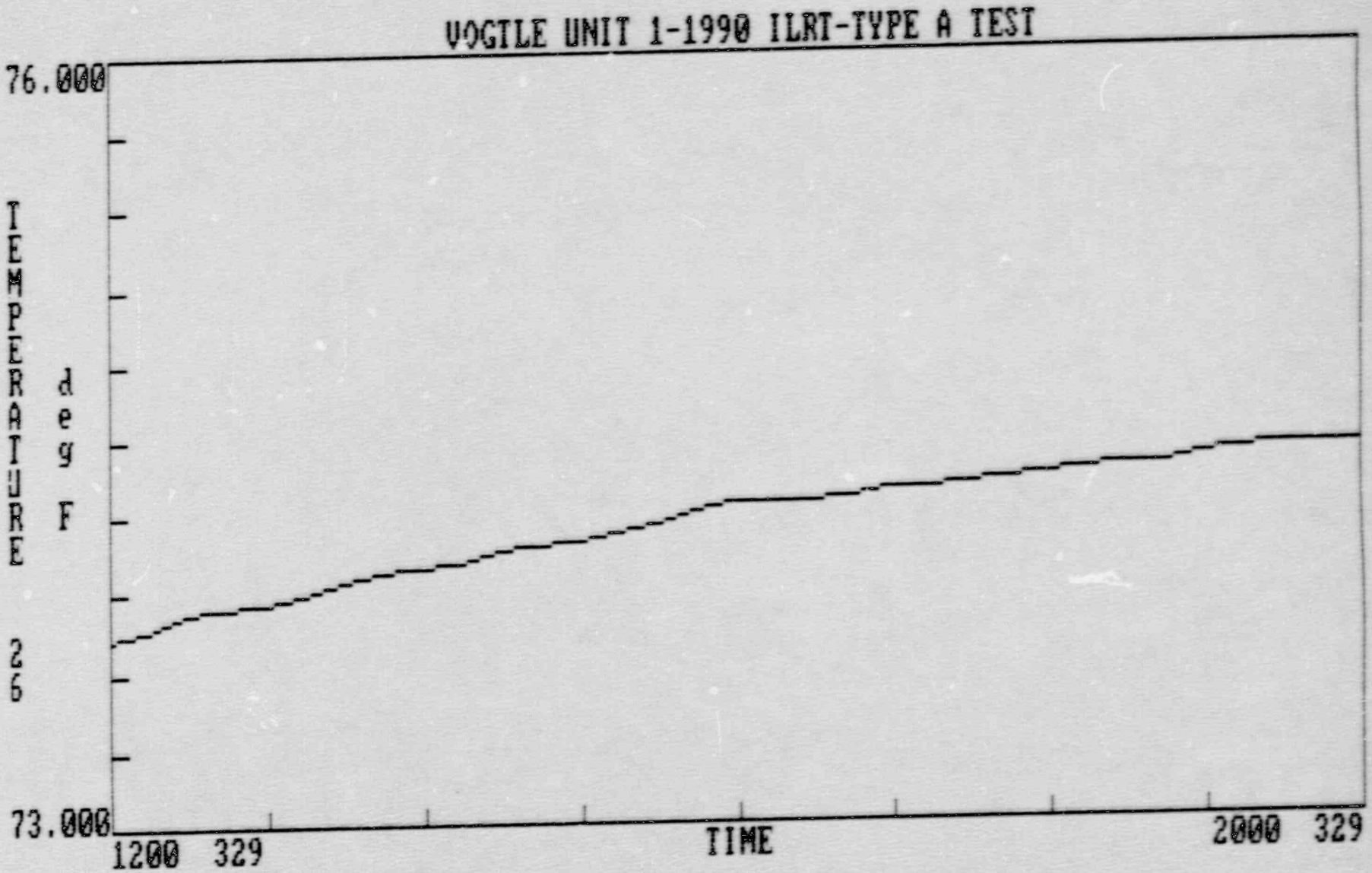

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST
76.000
TEMPERATURE deg F
21
73.000
1200 329
TIME
2000 329

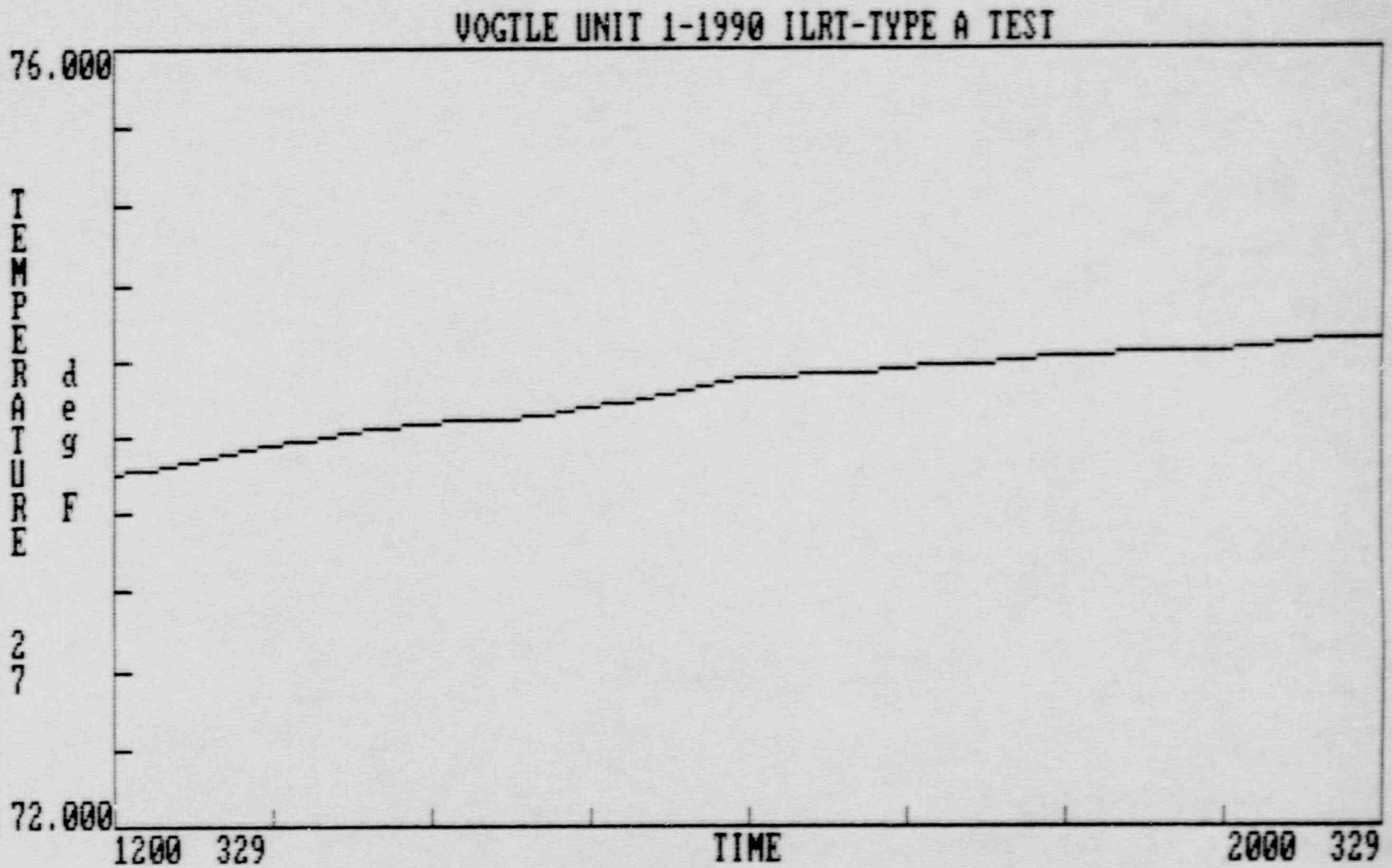

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST
77.000
TEMPERATURE deg F
22
73.000
1200 329
TIME
2000 329

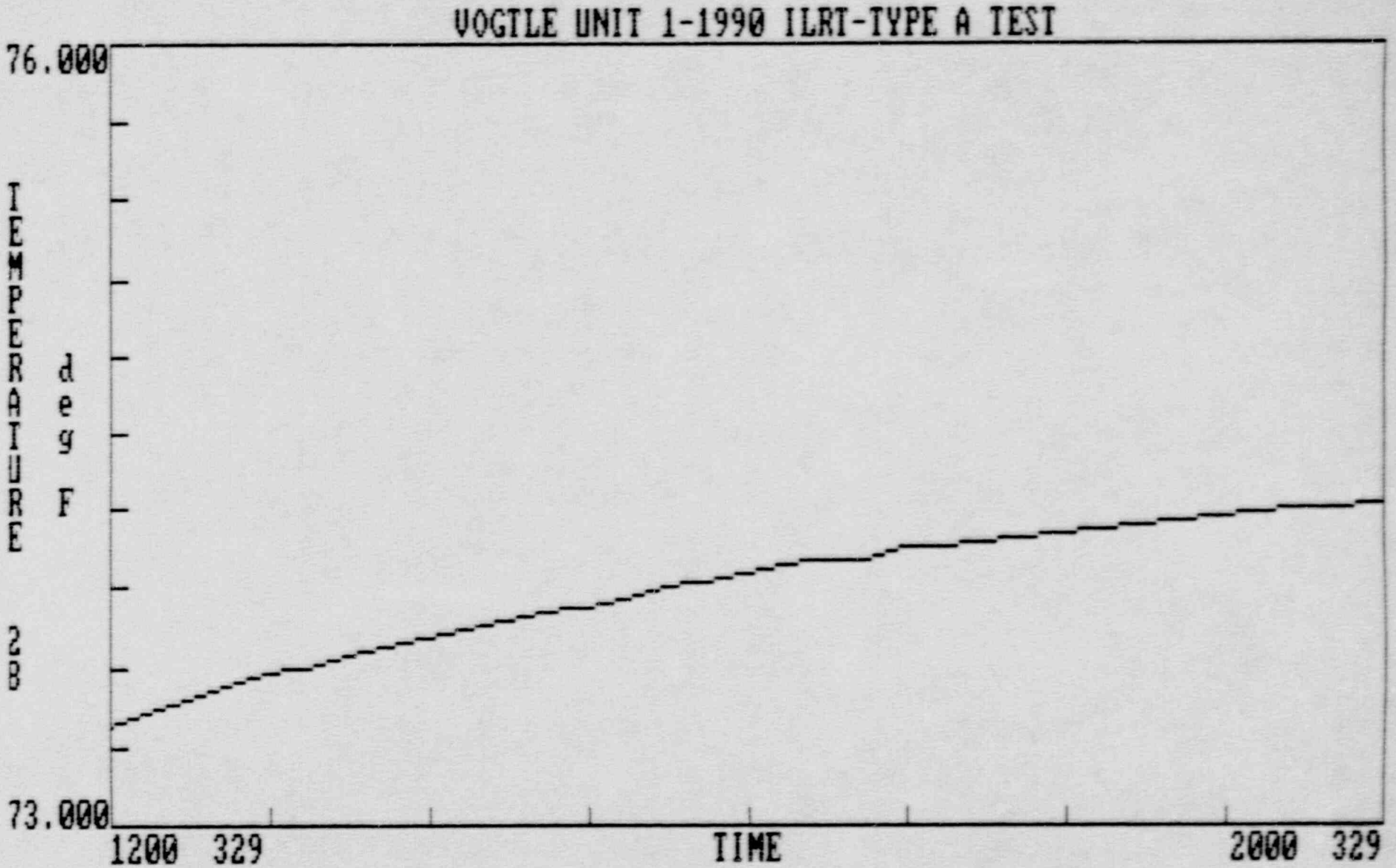

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST
75.000
TEMPERATURE deg F
23
72.000
1200 329
TIME
2000 329

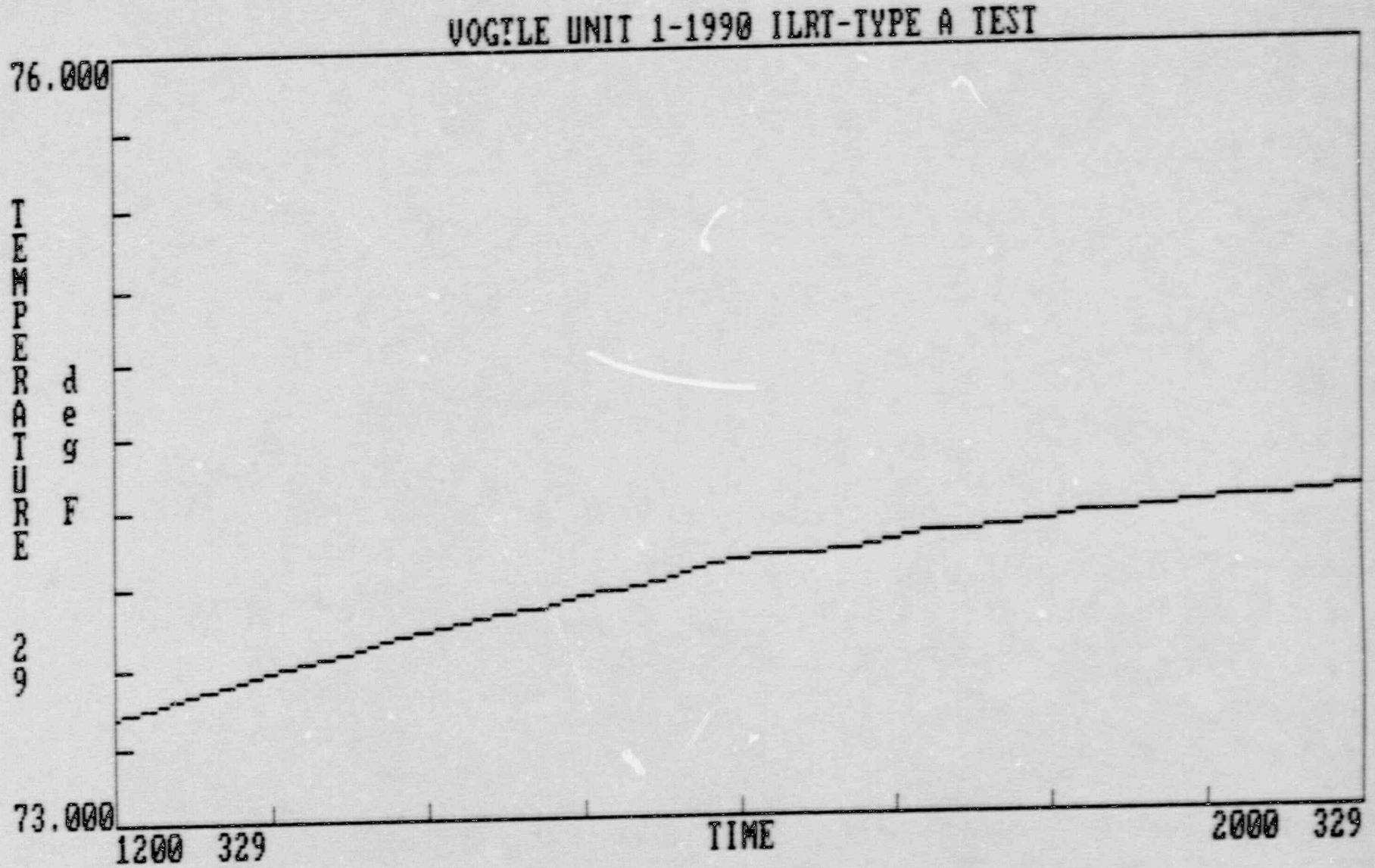

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST
77.000
TEMPERATURE deg F
24
74.000
1200 329
TIME
2000 329

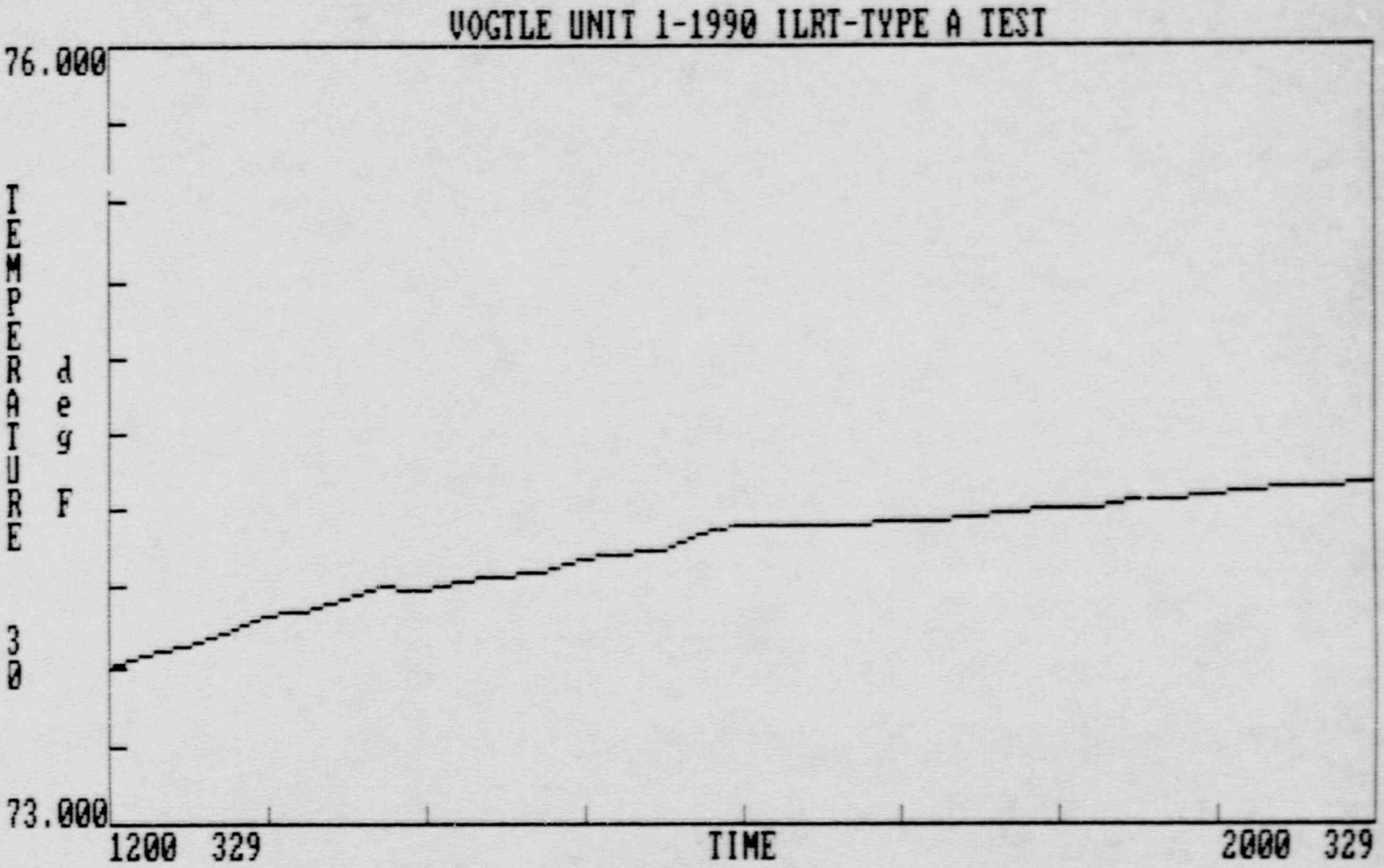

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST
76.000
TEMPERATURE deg F
25
73.000
1200 329
TIME
2000 329

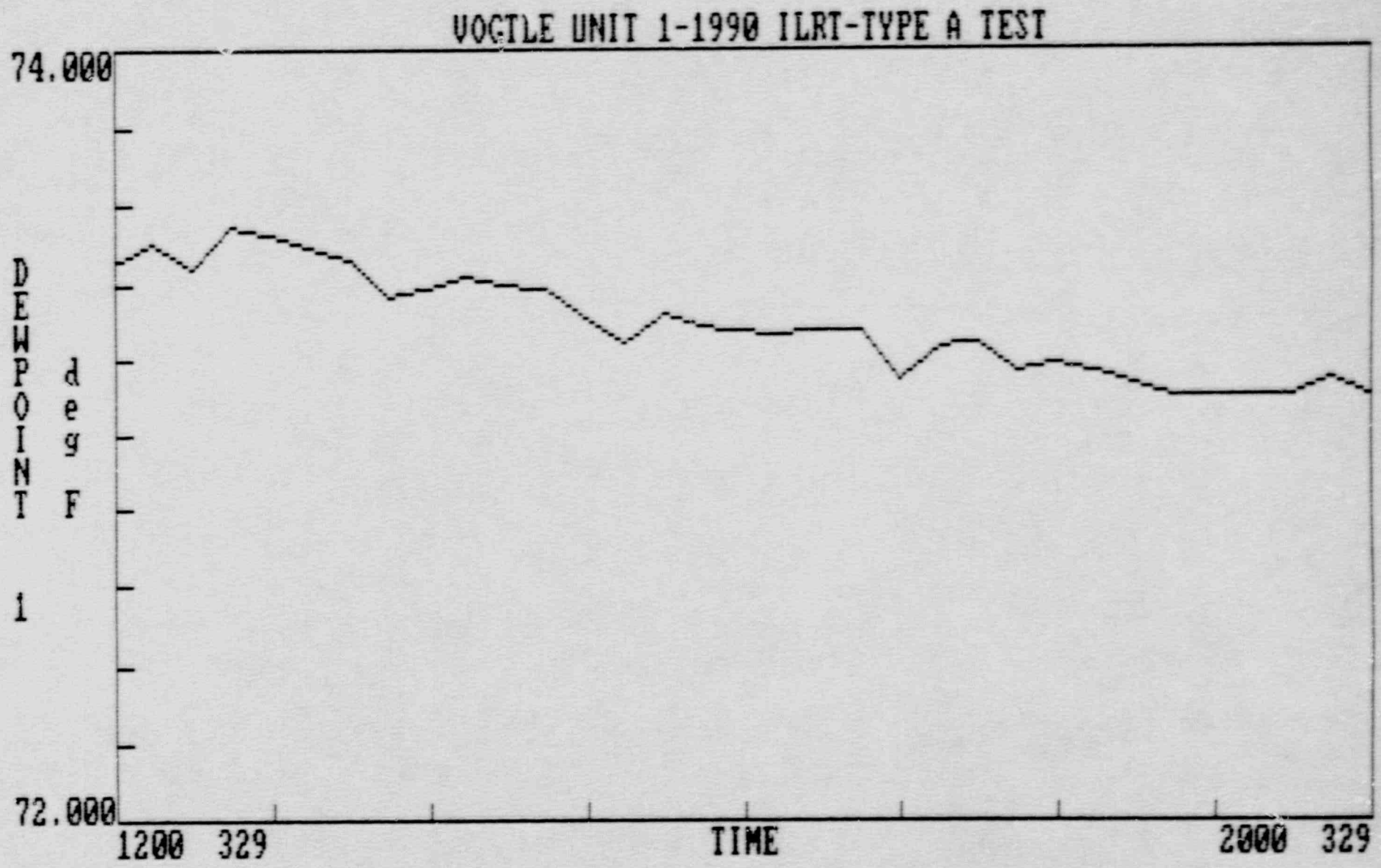

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST
76.000
TEMPERATURE deg F
26
73.000
1200 329
TIME
2000 329

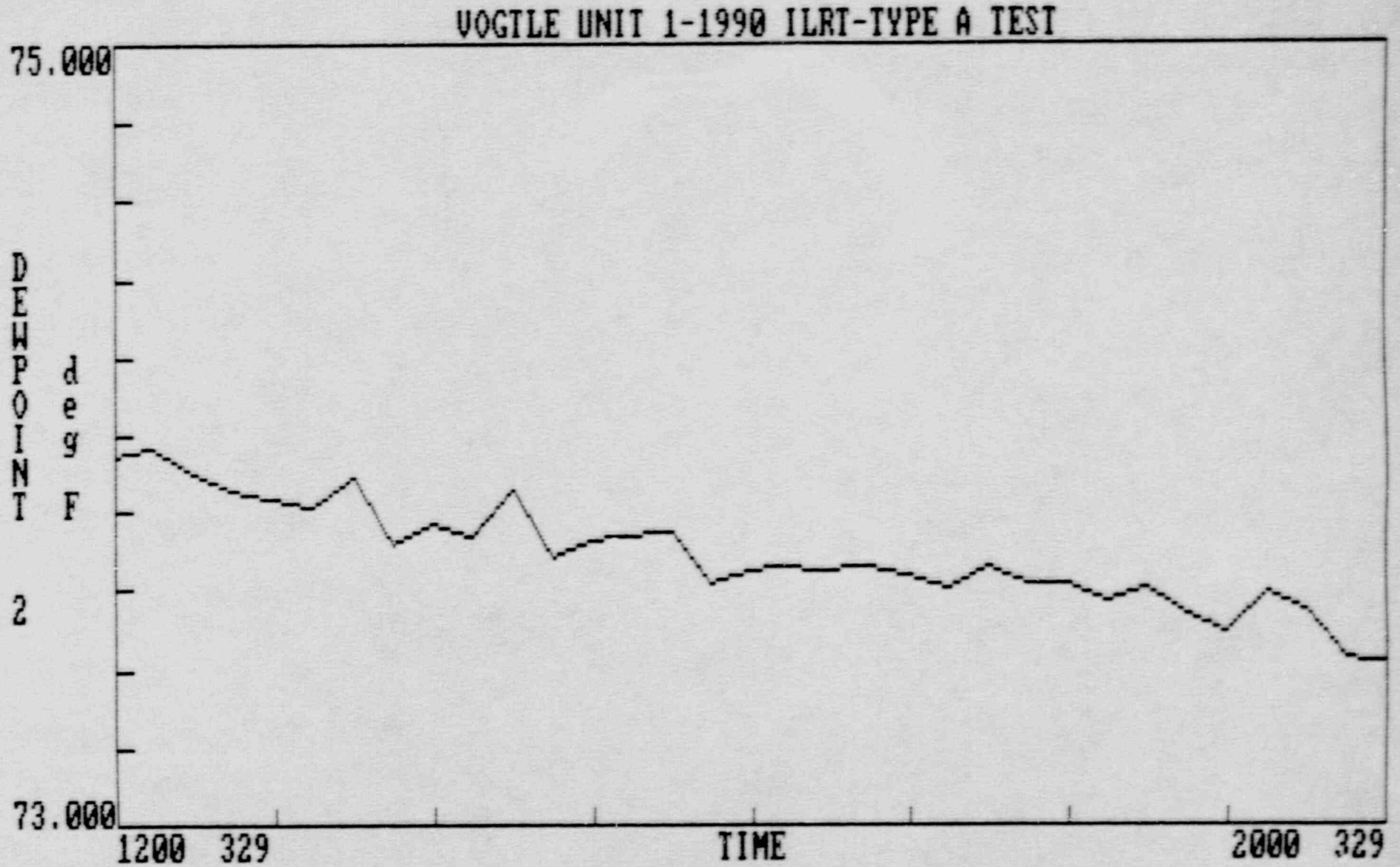

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST
76.000
TEMPERATURE deg F
27
72.000
1200 329
TIME
2000 329

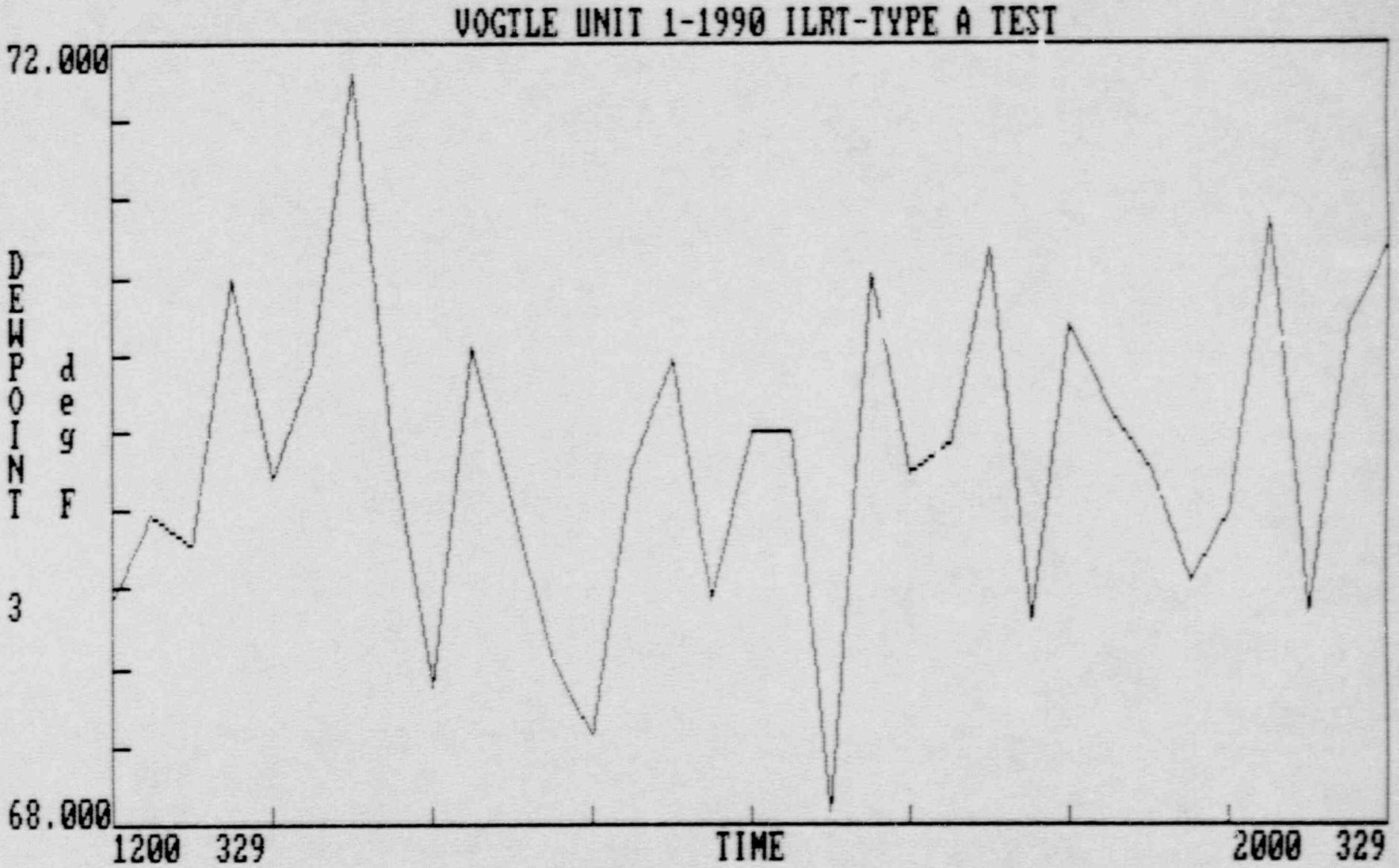

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST
76.000
73.000
TEMPERATURE deg F
28
1200 329
TIME
2000 329

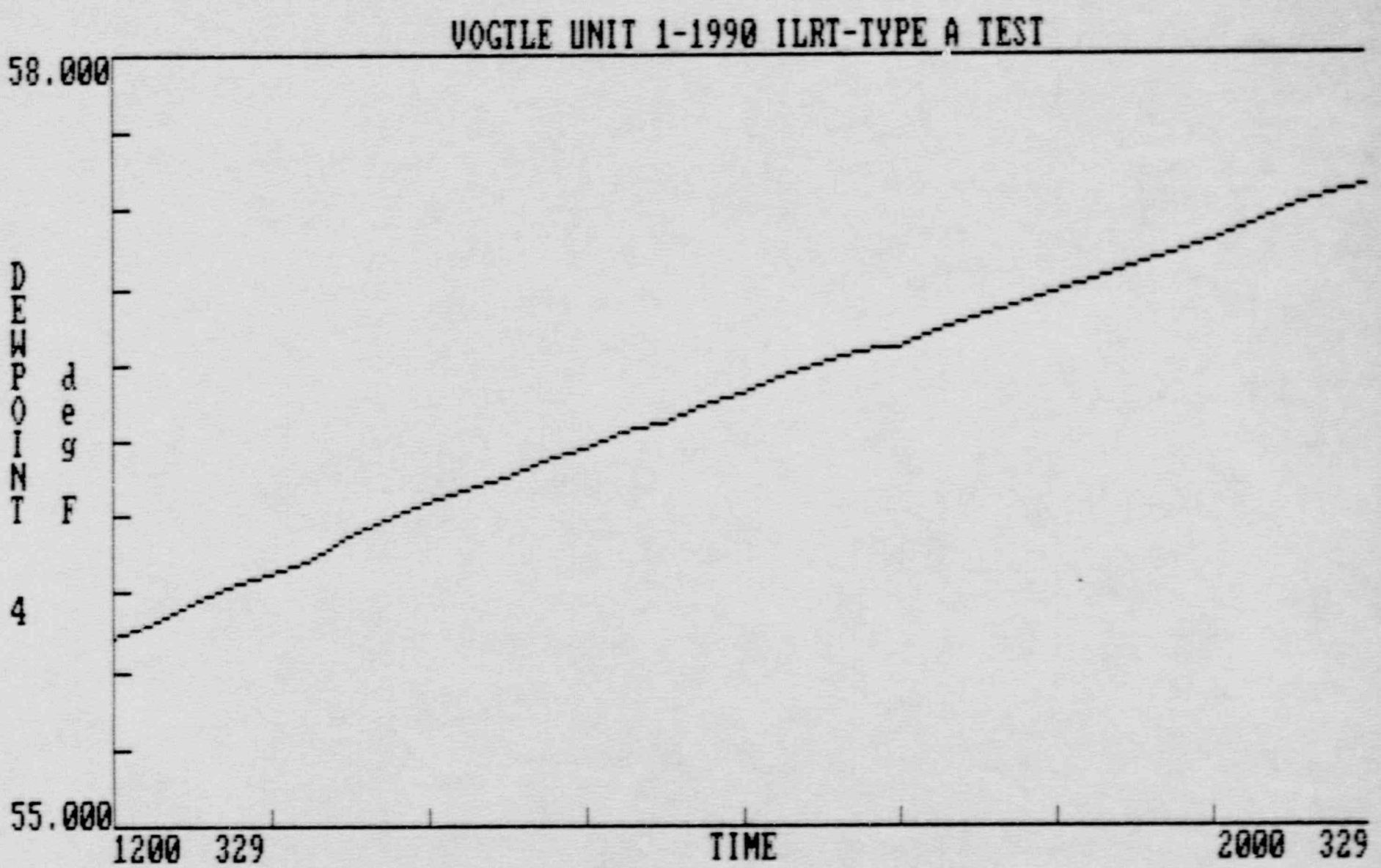

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST
76.000
TEMPERATURE deg F
29
73.000
1200 329
TIME
2000 329

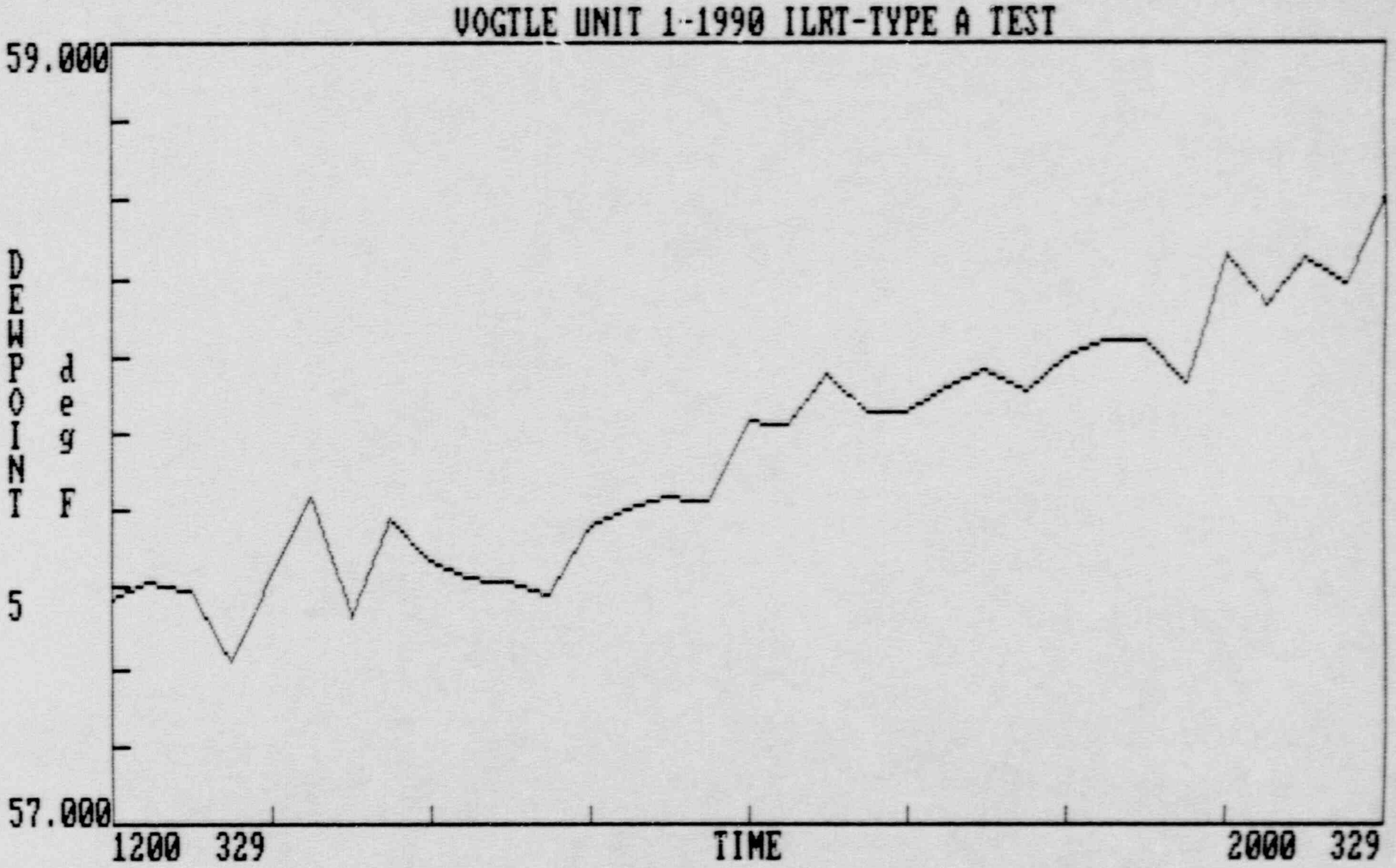

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST
76.000
73.000
TEMPERATURE deg F
TIME
1200 329
2000 329

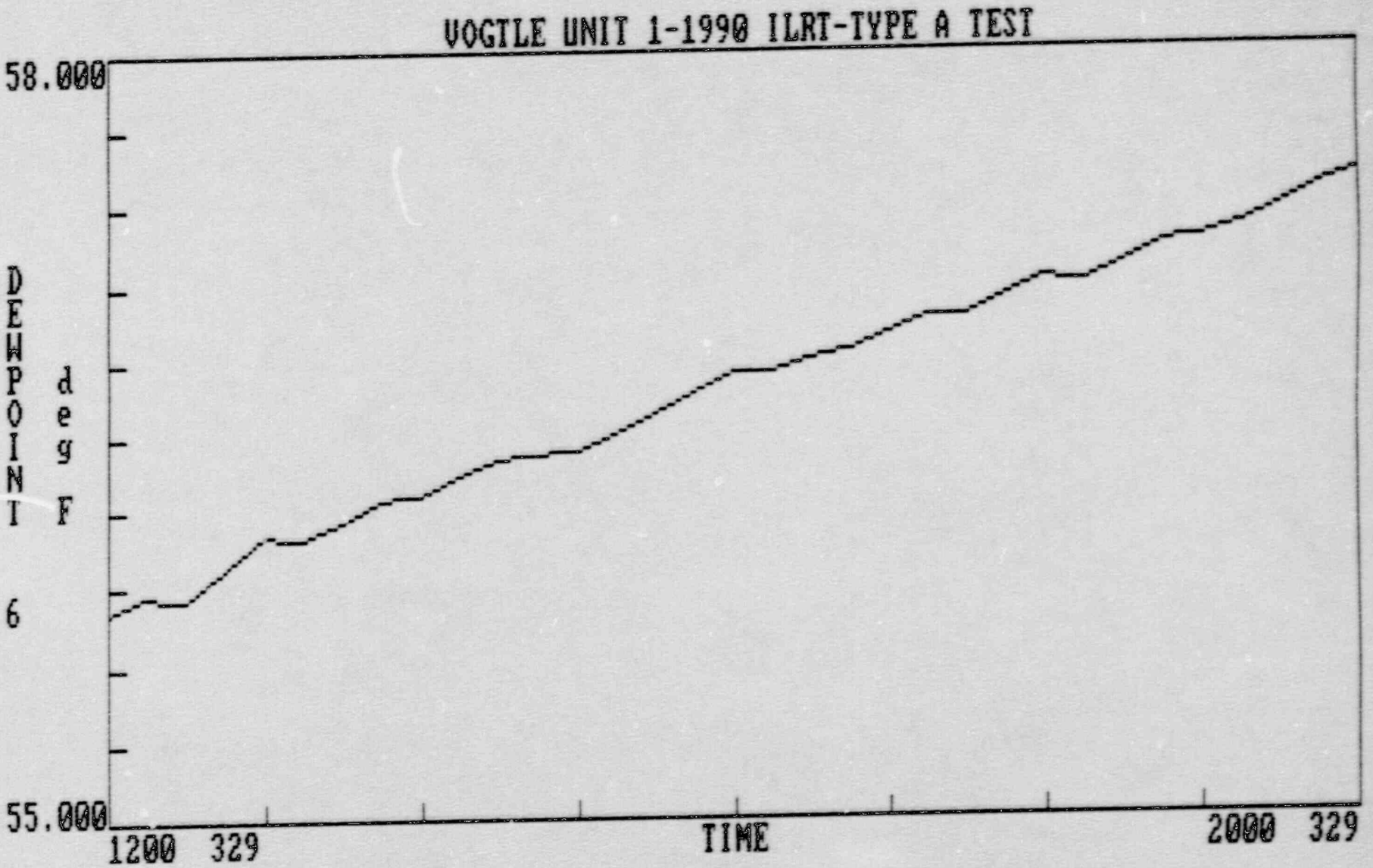

VOGTLE UNIT 1-1990 ILRT-TYPE A TEST
74.000
DEWPOINT 1 deg F
72.000
1200 329
TIME
2000 329


VOGTLE UNIT 1-1990 ILRT-TYPE A TEST
75.000
DEWPOINT deg F
2
73.000
1200 329
TIME
2000 329


VOGTLE UNIT 1-1990 ILRT-TYPE A TEST
72.000
DEWPOINT deg F
3
68.000
1200 329
TIME
2000 329


VOGTLE UNIT 1-1990 ILRT-TYPE A TEST
58.000
DEWPOINT deg F
4
55.000
1200 329
TIME
2000 329


VOGTLE UNIT 1-1990 ILRT-TYPE A TEST
59.000
DEWPOINT deg F
5
57.000
1200 329
TIME
2000 329


VOGTLE UNIT 1-1990 ILRT-TYPE A TEST
58.000
DEWPOINT deg F
6
55.000
1200 329
TIME
2000 329

APPENDIX IV

TYPE B & C

TEST RESULTS

TYPE B AND C RESULTS - 1990 OUTAGE
PAGE 1

		INITIAL TEST		FINAL TEST		
PENETRATION	VALVE	DATE	LEAKAGE	DATE	LEAKAGE	NOTES
5	N/A	3/29/90	42.4 SCCM	N/A		
11A	U4-031	1/24/90	151 SCCM	N/A		(2)
11A	HV-5280	1/24/90	23 SCCM	N/A		(2)
12A	U4-029	2/08/90	480 SCCM	N/A		(2)
12A	HV-5281	2/08/90	6.0 SCCM	N/A		(2)
13A	HV-12976	2/26/90	670 SCCM	N/A		
13A	HV-12975	2/26/90	18.5 SCCM	N/A		
13B	HV-12978	2/26/90	5.7 SCCM	N/A		
13B	HV-12977	2/26/90	6.5 SCCM	N/A		
15	U6-051	2/26/90	6.0 SCCM	N/A		
15	U6-050	2/26/90	6.0 SCCM	N/A		
22	U4-038	2/27/90	1235 SCCM	N/A		
22	U4-005	2/27/90	10.4 SCCM	N/A		
23	U4-184	1/16/90	709 SCCM	3/25/90	92.3 SCCM	(2)
23	U4-211	1/16/90	334 SCCM	3/25/90	560 SCCM	(2)
24	HV-3548	3/22/90	43.7 SCCM	3/25/90	24.3 SCCM	
24	HV-3502	3/22/90	1255 SCCM	3/25/90	60.0 SCCM	(1)
24	HV-8220	3/22/90	1255 SCCM	3/25/90	60.0 SCCM	(1)
28	HV-1978	3/04/90	20.5 SCCM	N/A		
28	HV-1979	3/04/90	40.4 SCCM	N/A		
29	HV-1974	3/04/90	48.0 SCCM	N/A		(1)
29	U4-113	3/04/90	48.0 SCCM	N/A		(1)
29	HV-1975	3/04/90	15.4 SCCM	N/A		
34	U6-016	3/06/90	122 SCCM	N/A		
34	HV-9001B	3/06/90	177 SCCM	N/A		
35	U6-015	3/06/90	5.9 SCCM	N/A		
35	HV-9001A	3/06/90	395 SCCM	N/A		
36	V4-002	2/25/90	351 SCCM	3/14/90	763 SCCM	
37	V4-001	2/26/90	880 SCCM	3/14/90	687 SCCM	
38	V4-001	2/25/90	1770 SCCM	3/09/90	245 SCCM	
39	V4-002	2/26/90	459 SCCM	3/08/90	653 SCCM	
40	U4-036	2/27/90	710 SCCM	3/25/90	1276 SCCM	
40	HV-27901	2/27/90	4210 SCCM	3/26/90	382 SCCM	
41	HV-8871	3/06/90	84 SCCM	N/A		
41	HV-8964	3/06/90	430 SCCM	N/A		(1)
41	HV-8888	3/06/90	430 SCCM	N/A		(1)
42	U4-017	2/28/90	20.6 SCCM	N/A		

NOTE 1 - VALVES TESTED SIMULTANEOUSLY - TOTAL LEAKAGE THROUGH BOTH VALVES REPORTED.

NOTE 2 - TESTS PERFORMED JUST PRIOR TO THE OUTAGE

TYPE B AND C RESULTS - 1990 CYCLE
PAGE 2

		INITIAL TEST		FINAL TEST		
PENETRATION	VALVE	DATE	LEAKAGE	DATE	LEAKAGE	NOTES
42	HV-8880	2/28/90	84.7 SCCM	N/A		
48	HV-8160	3/06/90	112.2 SCCM	N/A		
48	HV-8152	3/06/90	164.2 SCCM	N/A		
49	HV-8112	3/09/90	49.2 SCCM	3/22/90	91.8 SCCM	(1)
49	U4-021	3/09/90	49.2 SCCM	3/22/90	91.8 SCCM	(1)
49	HV-8100	3/09/90	26.3 SCCM	3/22/90	86.2 SCCM	
50	U6-032	3/14/90	26.1 SCCM	N/A		
50	HV-8105	3/14/90	15.5 SCCM	N/A		
55	N/A	3/22/90	6.6 SCCM	N/A		
62	HV-8047	2/6/90	6.0 SCCM	N/A		(2)
62	HV-8033	2/6/90	6.2 SCCM	N/A		(2)
63	U6-112	3/3/90	17.2 SCCM	N/A		
63	HV-8028	3/3/90	6.0 SCCM	N/A		
64A	N/A	2/25/90	6.0 SCCM	N/A		
64B	N/A	2/25/90	9.0 SCCM	N/A		
67A	HV-3513	3/1/90	5.4 SCCM	4/8/90	10.2 SCCM	
67A	HV-3514	3/1/90	6.5 SCCM	4/8/90	2.2 SCCM	
67B	HV-3807	3/1/90	5.5 SCCM	3/21/90	21.7 SCCM	
67B	HV-3508	3/1/90	5.4 SCCM	3/21/90	20.5 SCCM	
68	N/A	2/25/90	4.0 SCCM	4/3/90	6.0 SCCM	
69A	U4-043	2/8/90	26.2 SCCM	N/A		(2)
69A	HV-5278	2/8/90	6.0 SCCM	N/A		(2)
69B	U4-044	1/24/90	527 SCCM	N/A		
69B	HV-5279	1/24/90	35 SCCM	N/A		
70A	HV-2790A	2/13/90	6.0 SCCM	N/A		(2)
70A	HV-2791B	2/13/90	10.7 SCCM	N/A		(2)
70A	HV-2790B	2/13/90	6.0 SCCM	N/A		(2)
70B	U4-001	2/13/90	6.0 SCCM	N/A		(2)
70B	HV-2793A	2/13/90	11.0 SCCM	N/A		(2)
71A	HV-2792A	2/15/90	6.0 SCCM	N/A		(2)
71A	HV-2791B	2/15/90	6.0 SCCM	N/A		(2)
71A	HV-2792B	2/15/90	15.0 SCCM	N/A		(2)
71B	U4-002	2/15/90	95.9 SCCM	N/A		(2)
71B	HV-2793B	2/15/90	64.1 SCCM	N/A		(2)
72A	HV-10950	2/27/90	15.2 SCCM	3/25/90	1598 SCCM	
72A	U4-159	2/27/90	9.2 SCCM	3/15/90	5.9 SCCM	
72B	HV-10952	2/27/90	24.5 SCCM	N/A		

NOTE 1 - VALVES TESTED SIMULTANEOUSLY - TOTAL LEAKAGE THROUGH BOTH VALVES REPORTED.

NOTE 2 - TESTS PERFORMED JUST PRIOR TO THE OUTAGE

TYPE B AND C RESULTS - 1990 OUTAGE
PAGE 3

		INITIAL TEST		FINAL TEST		
PENETRATION	VALVE	DATE	LEAKAGE	DATE	LEAKAGE	NOTES
72B	U4-161	2/27/90	6.8 SCCM	N/A		
73A	HV-10951	2/27/90	592 SCCM	N/A		
73A	U4-160	2/27/90	3.7 SCCM	N/A		
73B	HV-10953	2/27/90	107 SCCM	N/A		
73B	U4-162	2/27/90	39.3 SCCM	N/A		
77	HV-7699	3/02/90	10.4 SCCM	N/A		
77	HV-7136	3/02/90	14.6 SCCM	N/A		
78	HV-0780	3/09/90	310 SCCM	N/A		
78	HV-0781	3/09/90	1650 SCCM	N/A		
79	HV-7126	3/01/90	13.4 SCCM	3/08/90	9.2 SCCM	
79	HV-7150	3/01/90	10.6 SCCM	3/08/90	11.7 SCCM	
80	U4-034	1/18/90	731 SCCM	1/18/90	731 SCCM	(2)
80	HV-9385	1/18/90	12800 SCCM	2/08/90	591 SCCM	(2)
81	U4-040	3/07/90	315 SCCM	N/A		
81	HV-8378	3/07/90	192 SCCM	N/A		
83	HV-2626A	2/20/90	1070 SCCM	3/24/90	2750 SCCM	(2)
83	HV-2626B	2/20/90	53.7 SCCM	3/24/90	14.3 SCCM	(2)
83	HV-2627A	2/20/90	570 SCCM	3/24/90	18.1 SCCM	(1)(2)
83	HV-2627B	2/20/90	570 SCCM	3/24/90	18.1 SCCM	(1)(2)
84	HV-2628A	2/21/90	350 SCCM	3/23/90	57.4 SCCM	(2)
84	HV-2628B	2/21/90	53.7 SCCM	3/23/90	34.5 SCCM	(2)
84	HV-2629A	2/21/90	720 SCCM	3/23/90	56.8 SCCM	(1)(2)
84	HV-2629B	2/21/90	720 SCCM	3/23/90	56.8 SCCM	(1)(2)
86A	HV-8211	1/30/90	5.4 SCCM	N/A		(2)
86A	HV-8212	1/30/90	40.3 SCCM	N/A		(2)
86C	HV-8209	2/26/90	24.5 SCCM	N/A		
86C	HV-8208	2/25/90	10.4 SCCM	N/A		
87	N/A	2/25/90	4.0 SCCM	4/03/90	6.0 SCCM	
89	N/A	2/25/90	2.4 SCCM	3/23/90	6.9 SCCM	
90	N/A	3/22/90	45.4 SCCM	N/A		
100	HV-2624A	2/01/90	355 SCCM	N/A		(2)
100	U4-012	2/01/90	374 SCCM	N/A		(2)
100	HV-2624B	2/01/90	285 SCCM	N/A		(2)
PERSONNEL AIRLOCK		2/22/90	1874.7 SCCM	3/23/90	4826.6 SCCM	(2)
ESCAPE AIRLOCK		2/17/90	285 SCCM	4/07/90	198 SCCM	
EQUIPMENT HATCH		2/24/90	6.4 SCCM	4/01/90	6.0 SCCM	
ELECTRICAL (1-72)		VARIOUS	15.8 SCCM	N/A		(2)

NOTE 1 - VALVES TESTED SIMULTANEOUSLY - TOTAL LEAKAGE THROUGH BOTH VALVES REPORTED.

NOTE 2 - TESTS PERFORMED JUST PRIOR TO THE OUTAGE

TYPE B AND C RESULTS - 1988 OUTAGE
PAGE 1

		INITIAL TEST		FINAL TEST		
PENETRATION	VALVE	DATE	LEAKAGE	DATE	LEAKAGE	NOTES
11A	U4-031	7/11/88	166,000 SCCM	7/11/88	15.8 SCCM	(2)
11A	HV-5280	7/11/88	7.0 SCCM	N/A		(2)
12A	U4-029	7/08/88	3300 SCCM	N/A		(2)
12A	HV-5281	7/08/88	6.0 SCCM	N/A		(2)
13A	HV-12976	9/22/88	1115 SCCM	N/A		(2)
13A	HV-12975	9/22/88	158.2 SCCM	N/A		(2)
13B	HV-12978	9/20/88	220 SCCM	11/8/90	6.0 SCCM	(2)
13B	HV-12977	9/20/88	14950 SCCM	11/8/90	6.0 SCCM	(2)
15	U6-051	6/30/88	6.0 SCCM	N/A		(2)
15	U6-050	6/30/88	6.0 SCCM	N/A		(2)
22	U4-038	7/21/88	1312 SCCM	N/A		(2)
22	U4-005	7/21/88	145.2 SCCM	N/A		(2)
23	U4-184	6/28/88	427 SCCM	N/A		(2)
23	U4-211	6/28/88	421 SCCM	N/A		(2)
24	HV-3548	11/10/88	860 SCCM	11/15/88	45.0 SCCM	
24	HV-3502	11/10/88	105300 SCCM	11/15/88	192 SCCM	(1)
24	HV-8220	11/10/88	105300 SCCM	11/15/88	192 SCCM	(1)
28	HV-1978	10/16/88	6.0 SCCM	10/25/88	6.0 SCCM	
28	HV-1979	10/16/88	6.0 SCCM	10/25/88	33.0 SCCM	
29	HV-1974	10/16/88	72.4 SCCM	N/A		(1)
29	U4-113	10/16/88	72.4 SCCM	N/A		(1)
29	HV-1975	10/16/88	62.7 SCCM	N/A		
34	U6-016	10/11/88	142.9 SCCM	N/A		
34	HV-9001B	10/11/88	138.4 SCCM	N/A		
35	U6-015	10/11/88	8.2 SCCM	11/6/88	281 SCCM	
35	HV-9001A	10/11/88	28.2 SCCM	11/6/88	30 SCCM	
36	V4-002	10/13/88	1504 SCCM	11/5/88	245 SCCM	
37	V4-001	10/12/88	674 SCCM	11/7/88	742 SCCM	
38	V4-001	10/10/88	4.32 SCCM	11/15/88	755 SCCM	
39	V4-002	10/10/88	92 SCCM	10/29/88	711 SCCM	
40	U4-036	7/20/88	12.0 SCCM	N/A		(2)
40	HV-27901	7/20/88	14.0 SCCM	N/A		(2)
41	HV-8871	10/26/88	3100 SCCM	11/13/88	93.4 SCCM	
41	HV-8964	10/26/88	11200 SCCM	11/13/88	109.2 SCCM	(1)
41	HV-8888	10/26/88	11200 SCCM	11/13/88	109.2 SCCM	(1)

NOTE 1 - VALVES TESTED SIMULTANEOUSLY - TOTAL LEAKAGE THROUGH BOTH VALVES REPORTED.

NOTE 2 - TESTS PERFORMED JUST PRIOR TO THE OUTAGE

TYPE B AND C RESULTS - 1988 OUTAGE
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		INITIAL TEST		FINAL TEST		
PENETRATION	VALVE	DATE	LEAKAGE	DATE	LEAKAGE	NOTES
42	U4-017	7/12/88	16.7 SCCM	N/A		(2)
42	HV-8880	7/12/88	20.9 SCCM	N/A		(2)
48	HV-8160	10/16/88	91.1 SCCM	N/A		
48	HV-8152	10/16/88	154.2 SCCM	N/A		
49	HV-8112	10/14/88	15.6 SCCM	10/15/88	239 SCCM	(1)
49	U4-021	10/14/88	15.6 SCCM	10/15/88	239 SCCM	(1)
49	HV-8100	10/14/88	4.0 SCCM	10/15/88	200.6 SCCM	
50	U6-032	10/20/88	1490 SCCM	10/28/88	45.5 SCCM	
50	HV-8105	10/20/88	1970 SCCM	10/28/88	16.0 SCCM	
62	HV-8047	6/28/88	6.5 SCCM	N/A		(2)
62	HV-8033	6/28/88	6.2 SCCM	N/A		(2)
63	U6-112	6/22/88	26.6 SCCM	N/A		(2)
63	HV-8028	6/22/88	6.0 SCCM	N/A		(2)
64A	N/A	10/14/88	6.0 SCCM	N/A		
64B	N/A	10/14/88	6.0 SCCM			
67A	HV-3513	10/13/88	6250 SCCM	11/2/88	6.0 SCCM	
67A	HV-3514	10/13/88	8460 SCCM	11/2/88	6.8 SCCM	
67B	HV-3507	10/13/88	27.3 SCCM	N/A		
67B	HV-3508	10/13/88	33.6 SCCM	N/A		
68	N/A	10/9/88	6.0 SCCM	11/11/88	6.0 SCCM	
69A	U4-043	7/8/88	2420 SCCM	N/A		(2)
69A	HV-5378	7/8/88	10.4 SCCM	N/A		(2)
69B	U4-044	7/7/88	635 SCCM	N/A		(2)
69B	HV-5279	7/7/88	20.8 SCCM	N/A		(2)
70A	HV-2790A	7/28/88	6.0 SCCM	N/A		(2)
70A	HV-2791A	7/28/88	11.4 SCCM	N/A		(2)
70A	HV-2790B	7/28/88	6.0 SCCM	N/A		(2)
70B	U4-001	7/28/88	7.3 SCCM	11/13/88	50.9 SCCM	(2)
70B	HV-2793A	7/28/88	5550 SCCM	11/13/88	7.2 SCCM	(2)
71A	HV-2792A	8/2/88	6.0 SCCM	N/A		(2)
71A	HV-2791B	8/2/88	6.0 SCCM	N/A		(2)
71A	HV-2792B	8/2/88	6.0 SCCM	N/A		(2)
71B	U4-002	8/2/88	9.4 SCCM	N/A		(2)
71B	HV-2793B	8/2/88	15.7 SCCM	N/A		(2)
72A	HV-10950	10/13/88	72.3 SCCM	10/18/88	96.3 SCCM	

NOTE 1 - VALVES TESTED SIMULTANEOUSLY - TOTAL LEAKAGE THROUGH BOTH VALVES REPORTED.

NOTE 2 - TESTS PERFORMED JUST PRIOR TO THE OUTAGE

TYPE B AND C RESULTS - NONSCHEDULED TESTS BETWEEN OUTAGES

		INITIAL TEST		FINAL TEST		
PENETRATION	VALVE	DATE	LEAKAGE	DATE	LEAKAGE	NOTES
24	HV-3548	9/12/87	6.0 SCCM	9/12/87	6.0 SCCM	
24	HV-3502	9/12/87	12.0 SCCM	9/14/88	18.0 SCCM	
24	HV-8220	9/12/87	12.0 SCCM	9/14/88	18.0 SCCM	
35	U6-015	1/26/88	2.2 SCCM			(2)
35	HV-9100B	1/26/88	31.7 SCCM			
41	HV-8871	1/26/88	2.6 SCCM			(2)
41	HV-8964	1/26/88	9370 SCCM			(1)
41	HV-8888	1/26/88	9370 SCCM			(1)
63	U6-112	6/25/86	67.2 SCCM	6/25/86	67.2 SCCM	
63	HV-8028	12/10/87	12.2 SCCM	12/10/87	12.5 SCCM	
64	N/A	1/26/88	4.3 SCCM			(2)
64B	N/A	1/26/88	7.9 SCCM			(2)
67B	HV-3507	10/19/87	6.0 SCCM			(2)
67B	HV-3508	10/19/87	6.0 SCCM			
68	N/A	1/25/88	6.9 SCCM			(2)
71A	HV-2792A	2/09/89	25.8 SCCM			
71A	HV-2791B	2/09/89	25.8 SCCM			
71A	HV-2792B	2/09/89	25.8 SCCM			
72A	HV-10950	10/15/87	378 SCCM			(2)
72A	U4-159	10/15/87	355 SCCM			
72B	HV-10952	1/24/88	2.3 SCCM			(2)
72B	U4-161	1/24/88	149.9 SCCM			
73A	HV-10951	1/24/88	607 SCCM			(2)
73A	U4-160	1/24/88	5.7 SCCM			
73B	HV-10453	10/13/87	6.0 SCCM			(2)
73B	U4-162	10/13/87	555.0 SCCM			
81	U4-049	1/27/88	537 SCCM			
81	HV-9378	1/27/88	16780 SCCM			
81	U4-256	1/27/88	3.5 SCCM			
87	N/A	1/25/88	4.6 SCCM			(2)

NOTE 1 - VALVES TESTED SIMULTANEOUSLY - TOTAL LEAKAGE THROUGH BOTH VALVES REPORTED.

NOTE 2 - PENETRATION RETESTED BEFORE FIRST REFUELING OUTAGE DUE TO EARLY PRE-OP TEST DATE.

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TYPE B AND C RESULTS - QUARTERLY SURVEILLANCES
PENETRATION 83

PENETRATION	VALVE	DATE	LEAKAGE	NOTES	DATE	LEAKAGE	NOTES
83	HV-2626A	8/24/87	162 SCCM	(1)	11/20/87	610 SCCM	(1)
83	HV-2626B	8/24/87	162 SCCM	(1)	11/20/87	610 SCCM	(1)
83	HV-2627A	8/24/87	162 SCCM	(1)	11/20/87	610 SCCM	(1)
83	HV-2627B	8/24/87	162 SCCM	(1)	11/20/87	610 SCCM	(1)
83	U4-001	8/24/87	2.2 SCCM		11/20/87	31 SCCM	
83	HV-2626A	2/13/88	241.9 SCCM	(1)	6/02/88	344 SCCM	(1)
83	HV-2626B	2/13/88	241.9 SCCM	(1)	6/02/88	344 SCCM	(1)
83	HV-2627A	2/13/88	241.9 SCCM	(1)	6/02/88	344 SCCM	(1)
83	HV-2627B	2/13/88	241.9 SCCM	(1)	6/02/88	344 SCCM	(1)
83	U4-001	2/13/88	4.2 SCCM		6/02/88	15.2 SCCM	
83	HV-2626A	12/14/88	43.2 SCCM		2/13/89	856 SCCM	(1)
83	HV-2626B	12/14/88	34.6 SCCM		2/13/89	856 SCCM	(1)
83	HV-2627A	12/14/88	1132 SCCM	(1)	2/13/89	856 SCCM	(1)
83	HV-2627B	12/14/88	1132 SCCM	(1)	2/13/89	856 SCCM	(1)
83	U4-001				2/13/89	49.2 SCCM	
83	HV-2626A	3/08/89	150 SCCM		6/01,89	1453 SCCM	
83	HV-2626B	3/08/89	22 SCCM		6/01/89	18.05 SCCM	
83	HV-2627A	3/08/89	401 SCCM	(1)	6/01/89	506 SCCM	(1)
83	HV-2627B	3/08/89	401 SCCM	(1)	6/01/89	505 SCCM	(1)
83	HV-2626A	8/30/89	2450 SCCM		11/14/89	1112 SCCM	
83	HV-2626B	8/30/89	72.8 SCCM		11/14/89	79.2 SCCM	
83	HV-2627A	8/30/89	3140 SCCM	(1)	11/14/89	709 SCCM	(1)
83	HV-2627B	8/30/89	3140 SCCM	(1)	11/14/89	709 SCCM	(1)

NOTE 1 - VALVES TESTED SIMULTANEOUSLY - TOTAL LEAKAGE THROUGH VALVES REPORTED.

TYPE B AND C RESULTS - QUARTERLY SURVEILLANCES
PENETRATION 84

PENETRATION	VALVE	DATE	LEAKAGE	NOTES	DATE	LEAKAGE	NOTES
84	HV-2628A	8/22/87	172 SCCM	(1)	11/20/87	39.2 SCCM	(1)
84	HV-2628B	8/22/87	172 SCCM	(1)	11/20/87	39.2 SCCM	(1)
84	HV-2629A	8/22/87	172 SCCM	(1)	11/20/87	39.2 SCCM	(1)
84	HV-2629B	8/22/87	172 SCCM	(1)	11/20/87	39.2 SCCM	(1)
84	U4-001	8/22/87	2.5 SCCM		11/20/87	36.0 SCCM	
84	HV-2628A	2/14/88	239.3 SCCM	(1)	5/20/88	390 SCCM	(1)
84	HV-2628B	2/14/88	239.3 SCCM	(1)	5/20/88	390 SCCM	(1)
84	HV-2629A	2/14/88	239.3 SCCM	(1)	5/20/88	390 SCCM	(1)
84	HV-2629B	2/14/88	239.3 SCCM	(1)	5/20/88	390 SCCM	(1)
84	U4-001	2/14/88	2.57 SCCM		5/20/88	131 SCCM	
84	HV-2628A	12/14/88	37.2 SCCM		3/06/89	12 SCCM	
84	HV-2628B	12/14/88	32.4 SCCM		3/06/89	24.6 SCCM	
84	HV-2629A	12/14/88	1280 SCCM	(1)	3/06/89	327 SCCM	(1)
84	HV-2629B	12/14/88	1280 SCCM	(1)	3/06/89	327 SCCM	(1)
84	HV-2628A	6/06/89	580 SCCM		8/31/89	94.3 SCCM	
84	HV-2628B	6/06/89	101.2 SCCM		8/31/89	32.6 SCCM	
84	HV-2629A	6/06/89	783 SCCM	(1)	8/31/89	795 SCCM	(1)
84	HV-2629B	6/06/89	783 SCCM	(1)	8/31/89	795 SCCM	(1)
84	HV-2628A	11/15/89	95.5 SCCM				
84	HV-2628B	11/15/89	47.2 SCCM				
84	HV-2629A	11/15/89	506 SCCM	(1)			
84	HV-2629B	11/15/89	506 SCCM	(1)			

NOTE 1 - VALVES TESTED SIMULTANEOUSLY - TOTAL LEAKAGE THROUGH VALVES REPORTED.

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TYPE B AND C RESULTS - PERSONNEL AIRLOCK
COMPOSITE TESTS - NOTE 1

DATE	LEAKAGE	DATE	LEAKAGE
2/15/87	974 SCCM	11/12/88	18,660 SCCM **
8/18/87	1017 SCCM	11/14/88	1338 SCCM
3/30/88	5812 SCCM	4/28/89	2580 SCCM
8/31/88	174 SCCM	10/16/89	1074.8 SCCM
11/2/88	*	3/23/90	4826.6 SCCM

* - DURING THE FIRST REFUELING OUTAGE (11-2-88), LOOSE EQUALIZATION VALVE MOUNTING BOLTS PREVENTED AN LLRT FROM BEING PERFORMED (D.C. 1-88-3375). HOWEVER, AN ACCEPTABLE LLRT WAS PERFORMED SEVERAL WEEKS PRIOR TO THE OUTAGE.

** - HIGH LEAKAGE WAS DUE TO HIGH WEAR ON THE AIRLOCK HANDWHEEL SHAFT SEALS DURING THE OUTAGE. SHAFT SEALS WERE REPLACED AND THE AIR LOCK WAS RETESTED.

NOTE 1 - DURING PREPARATION OF THIS REPORT IT WAS DISCOVERED THAT A GRACE PERIOD HAD BEEN APPLIED IN SEVERAL INSTANCES TO THE 6 MONTH AIRLOCK SURVEILLANCE PERIOD. THIS IS NOT PERMITTED BY TECHNICAL SPECIFICATION 4.6.1.3.B.1, DC 1-90-266 HAS BEEN SUBMITTED.

TYPE B AND C RESULTS - ESCAPE LOCK
COMPOSITE TESTS

DATE	LEAKAGE	DATE	LEAKAGE
2/15/87	125.8 SCCM	7/31/89	604.0 SCCM
8/26/87	326.0 SCCM	2/17/90	285.0 SCCM
4/1/88	734.1 SCCM	3/20/90	456.6 SCCM
9/5/88	1176.0 SCCM	4/7/90	198.0 SCCM
2/27/89	283.4 SCCM		

NOTE 1 - DURING PREPARATION OF THIS REPORT IT WAS DISCOVERED THAT A GRACE PERIOD HAD BEEN APPLIED IN SEVERAL INSTANCES TO THE 6 MONTH AIRLOCK SURVEILLANCE PERIOD. THIS IS NOT PERMITTED BY TECHNICAL SPECIFICATION 4.6.1.3.B.1, DC 1-90-266 HAS BEEN SUBMITTED.

TYPE B AND C RESULTS - EQUIPMENT HATCH

DATE	LEAKAGE	DATE	LEAKAGE
10/20/87	2.4 SCCM	2/25/90	6.4 SCCM
10/26/87	4.2 SCCM	3/24/90	9.8 SCCM
10/09/88	6.0 SCCM	4/01/90	6.0 SCCM
11/15/88	14.5 SCCM		

TYPE C RESULTS - ELECTRICAL PENETRATIONS

TOTAL ELECTRICAL PENETRATION LEAKAGE FOR 72 ELECTRICAL PENETRATIONS HAS BEEN LESS THAN 40 SCCM.