

# Duke Power Company

## *Oconee Nuclear Station Unit 3*

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### Reactor Containment Building Integrated Leakage Rate Test Report

September 1992

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## I. INTRODUCTION

A periodic Type A Containment Integrated Leakage Rate Test (ILRT) was successfully conducted on the primary containment structure of the Oconee Nuclear Station, Unit 3 pressurized water reactor. The test was completed on September 11, 1992. The purpose of the test was to demonstrate that leakage through the primary reactor containment, and systems and components penetrating primary containment does not exceed the allowable leakage rate specified in the Plant Technical Specifications.

The test was conducted in accordance with the requirements of 10CFR50, Appendix J using the Absolute Method defined in ANSI N45.4-1972. The leakage rate was calculated for both the Type A test and the verification test using the Total Time methodology and the calculational requirements of BN-TOP-1, Revision 1, "Testing Criteria for Integrated Leakage Rate Testing of Primary Containment Structures for Nuclear Power Plants." Leakage rates for both the Type A test and the verification test were also calculated, for information only, using the Mass Point methodology given by ANSI/ANS 56.8-1987. The ILRT was performed at a pressure in excess of the calculated peak containment internal pressure related to the design basis accident as specified in the Final Safety Analysis Report (FSAR) and the Plant Technical Specifications.

This report describes and presents the results of this periodic Type A test, including the supplemental test method used for verification. The summary of events and test chronology are presented in Section II, Test Synopsis. Plant information, technical data, test results and measurement system information are presented in Section III, Test Data Summary. The test results are compared with the Acceptance Criteria in Section IV, Analysis and Interpretation. A summary of the local leakage rate testing (Type B and C) performed since the last ILRT is also provided in this report as Appendix F.

The "As Left" Type A test result reported at the 95 percent upper confidence limit is

0.1094 percent of the contained mass per day. The "As Found" Type A test result reported at the 95 percent upper confidence limit is 0.1196 percent of the contained mass per day. The acceptance criterion specified in the plant Technical Specifications is a leakage rate less than  $0.75 L_a$ , or 0.1875 percent of the contained air mass per day.

## II. TEST SYNOPSIS

Preparations to pressurize containment for the ILRT included internal and external inspections of the containment structure; installation and checkout of the ILRT instrumentation; completion of all Type B and Type C local leakage rate testing; alignment of valves and breakers for test conditions; and the installation and checkout of the temporary pressurization facilities. These preparations were completed on September 8, 1992.

Containment pressurization started at 0245 on September 8, 1992. A pressurization rate was established at 3.5 psi/hr using the six 1500 rated cfm oil free diesel driven air compressors. Both "A" and "C" reactor building cooling unit fans were operated in low speed during this time. Pressurization was suspended at 1004 to repair an oil pressure switch and to add freon to the compressor on one of the 6000 cfm capacity refrigerated air dryers, and to replace a leaking air hose. Pressurization resumed 1.5 hours later at an average rate of 3.5 psi/hr. At 1725, both "A" and "C" reactor building cooling unit fans were removed from service due to high motor amps. At 2030, with a building pressure of 58.5 psig, two of the six compressors were cut off - pressurization continued with the remaining compressors until a final building test pressure of 60.92 psig was achieved. The pressurization line was isolated at 2125 on September 8, and the stabilization period began.

The temperature stabilization period was started with data set number 108 at 2130. Four hours and fifteen minutes later, both the BN-TOP-1, Rev. 1 and ANSI 56.8-1987 temperature stabilization criteria were met. Following eight hours of stabilization, the calculated leak rate was 0.32 %/day. Extensive leakage surveys of the East and West Penetration rooms, the personnel air lock and the emergency personnel hatch, revealed only two potential leak paths: penetration 54 (valves 3CC-7 & 8) and the emergency personnel

hatch. Corrective actions taken for penetration 54 included cycling 3CC-7, the isolation of all downstream vent pathways, manually tightening 3CC-8 an additional 1/8 turn, and the application of a 58 psig regulated pressure between 3CC-7 and 8. The corrective action taken for the emergency personnel hatch required installation of a threaded pipe plug into the equalization valve to stop a minor leak revealed by slight bubbling of soap solution. These actions were completed by 1230 on September 9.

At 1302, beginning with data set number 244, data trending alarms were output by the computer software for temperature sensor number 17. Trend alarms continued on this sensor due to its unstable performance - the temperature changed by more than 0.5 ° F between successive readings while adjacent sensors 9 and 10 remained constant. The decision was made to mask the output for this sensor and redistribute its assigned volume fraction to temperature sensors 9 and 10. No other instrument failures were observed for the duration of the test.

By 1500, there was still no improvement in the calculated leak. At 1540, two steam drain valves off the "A" and "B" main steam turbine bypass to the condenser lines were opened. No air flow was observed from the "A" main steam line. The "B" line had considerable air flow indicating a leak into the main steam line from either the final feedwater line (penetration 25), the emergency feedwater line (penetration 17), the steam generator, or the main steam line (penetration 28) inside the reactor building. Oconee Technical Specifications, Table 4.4-1, specifies the system conditions for each reactor building penetration. For penetrations 17, 25 and 28, the Type "A" test system conditions require all vents and drains to be closed - these systems are not vented during the ILRT. Operations procedure PT/3/A/0150/03C (Reference D) verified the valve alignments for these systems to be correct.

At 2250, Operations began pressurization of the "B" final feedwater, steam generator and main steam line with plant nitrogen. A 0-100 psig Heise gauge ( $\pm 0.1\%$  full scale accuracy) was connected to a calibration tap on "B" main steam line pressure transmitter 3PT-31A to monitor the pressure in the "B" main steam header. Pressurization of the "B"

loop proceeded at a slow rate, ranging from 2 psig/hr to 4.5 psig/hr. At 0915 on September 10, preparations were started to use one of the rental air compressors in order to increase the pressurization rate. By 1420, with a "B" main steam line pressure of 40 psig, procedure and piping modifications were complete, and the compressor was connected to the "B" main steam line. Pressure in the "B" main steam line was increased to approximately 57 psig using the air and nitrogen sources. The rental air compressor was shut off at 1545 - the plant nitrogen supply was maintained to regulate the "B" main steam header pressure. At 1700, a technician was stationed at 3PT-31A to continuously monitor the "B" main steam pressure and to record data at least once every ten minutes during the steam line stabilization, the Type A test and the verification test. At 1900, penetration 54 (CC-7 & 8) was restored to its normal ILRT alignment.

The Type A test period started with data set number 370, at 2000 on September 10. At 2130, it was determined that the "B" main steam pressure was decaying too rapidly and that this pressure would need to be increased. At 2149, the main steam line pressure was increased to 58.2 psig. Problems with the nitrogen regulator resulted in the "B" main steam pressure peaking at 59.2 psig - containment pressure was 59.73 psig. At 2305, the regulator problem was corrected and the "B" main steam pressure was maintained at approximately 58.5 psig for the duration of the test. A graph of the reactor building pressure and "B" main steam header pressure is included in Appendix D. By 2215, the Upper Confidence Limit leak rates for both the Total Time and Mass Point leakage calculations were within the acceptance limit. A successful six hour test was completed by 0200 on September 11, with data set number 394. The Total Time and Mass Point Leak Rates at the 95 % Upper Confidence Limit were 0.1083 wt. %/day and 0.0703 wt. %/day respectively. All BN-TOP-1 termination criteria were also met at this time.

A verification flow of 15.735 scfm (0.245 wt. %/day) was initiated at 0210 on September 11. Following the one hour stabilization period required by BN-TOP-1, a successful three hour verification test was performed from 0310 to 0611. The composite leakage rates calculated during this period were 0.3024 wt. %/day for the Total Time method and 0.3130 wt. %/day for the Mass Point method.

Depressurization began at 0726 on September 11 and was complete at 1541 on September 11. The primary flow path was through Penetration 51 - the ILRT pressurization / depressurization path. Depressurization was stopped at 1412, to reduce the noise level in containment which allowed the Operations staff to identify the source of the B OTSG leak. The source of the leak was a 3/4 inch emergency feedwater drain valve, 3FDW-420, that was not completely closed due to foreign material on the seating surface. Depressurization resumed at 1500. The overall depressurization sequence to 4.4 psig was accomplished in 8.3 hours at an average rate of 6.7 psi/hr. The only damage identified during the post-ILRT containment inspection was the breakage of several large diameter spotlights installed throughout containment - no structural or other equipment damage was identified.

A containment pressure time line for the entire test period is included in Appendix D.

#### Test Chronology

<u>Phase</u>		<u>Data Set No.</u>	<u>Time Period</u>	<u>Duration</u>
Pressurization	From:	002	0245 on 9/08/92	18.7
	To:	107	2125 on 9/08/92	
Stabilization (Includes leak survey & Main Steam Header B Pressurization)	From:	108	2130 on 9/08/92	46.5
	To:	370	2000 on 9/10/92	
ILRT	From:	370	2000 on 9/10/92	6.0
	To:	394	0200 on 9/11/92	
Leak Stabilization for Verification Test	From:	395	0210 on 9/11/92	1.0
	To:	401	0310 on 9/11/92	
Verification Test	From:	401	0310 on 9/11/92	3.0
	To:	419	0611 on 9/11/92	
Depressurization	From:	424	0726 on 9/11/92	8.3
	To:	457	1541 on 9/11/92	

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Total Elapsed Time: 83.5 hours

### III. TEST DATA SUMMARY

#### A. Plant Information

Owner	Duke Power Company
Plant	Oconee Nuclear Station, Unit 3
Location	Hwy 130 & 183 Seneca, South Carolina
Containment Type	Prestressed, post-tensioned concrete
NSSS Supplier, Type	B&W, PWR
Docket No.	50-287
License No.	DPR-55

#### B. Technical Data

Containment Net Free Air Volume	1,863,000 cu. ft.
Max Allowable Test Pressure, P	61.5 psig
Design Temperature, T	150 ° F
Calculated Peak Accident Pressure, P <sub>a</sub>	59 psig
Calculated Peak Accident Temperature	286 ° F
Maximum Allowable Leakage Rate, L <sub>a</sub>	0.250 wt. % / day

#### C. Test Results - Type A Test

1. Test Method	Absolute
2. Test Pressure	59.75 psig
3. Data Analysis Techniques	Total Time (per BN-TOP-1, 1972), Mass Point (for information only, per ANSI/ANS 56.8-1987)
4. ILRT Acceptance Criteria ( < 0.75 L <sub>a</sub> )	0.1875 wt. % / day



5. Type A Test Results	BN-TOP-1		ANSI 56.8	
	<u>Total Time</u>		<u>Mass Point</u>	
Simple Leakage Rate	0.0673	wt.%/day	0.0673	wt.%/day
Fitted Leakage Rate ( $L_{am}$ )	0.0684	wt.%/day	0.0652	wt.%/day
Upper 95 % Confidence Level	0.1083	wt.%/day	0.0703	wt.%/day

6. All acceptance criteria for the Reduced Duration BN-TOP-1 ILRT were satisfied in 6.0 hours. A printout of the BN-TOP-1 Total Time Termination Criteria is included in Appendix B. Report printouts and data plots for both the Total Time and the Mass Point Analysis techniques are also provided in Appendix B.

#### D. Verification Controlled Leakage Rate Test Results

1. Verification Test Super-imposed Leakage Rate ( $L_o$ ) 15.735 SCFM (0.2450 wt. %/day)

2. Verification Test Total Time Analysis Results and Limits

Upper Limit 0.3759 wt. %/day  
( $L_o + L_{am} + 0.25 L_a$ )

Verification Test Total 0.3024 wt. %/day  
Time Results ( $L_c$ )

Lower Limit 0.2509 wt. %/day  
( $L_o + L_{am} - 0.25 L_a$ )

3. Verification Test Mass Point Analysis Results and Limits (Presented for information only)

Upper Limit 0.3727 wt. %/day  
( $L_o + L_{am} + 0.25 L_a$ )

Verification Test Mass 0.3130 wt. %/day  
Point Results ( $L_c$ )

Lower Limit 0.2477 wt. %/day  
( $L_o + L_{am} - 0.25 L_a$ )

4. The report printouts and data plots for both the Total Time Analysis and Mass Point Analysis techniques are provided in Appendix C.

#### E. Test Results - Type B and C Tests

A summary of the local leakage rate test results conducted since the last ILRT in December, 1989 is included in Appendix F.

## F. Integrated Leakage Rate Measurement System

The containment system was equipped with instrumentation to permit leakage rate determination by the absolute method. Data from the absolute system is reduced to a containment air mass by application of the Ideal Gas Law. The leakage rate is equal to the time rate of change of this value. The mass of dry air,  $W$  within containment is calculated as follows:

$$W = \frac{(P - P_v) V}{R T}$$

where:  $P$  = Containment Total Absolute Pressure  
 $P_v$  = Containment Water Vapor Pressure (Average)  
 $V$  = Containment Net Free Volume  
 $R$  = Gas Constant for Air  
 $T$  = Containment Absolute Temperature (Average)

The primary measurement variables required are containment absolute pressure, containment dew point temperature and containment temperature as a function of time. During the supplemental verification test, the calibrated leakage imposed on the existing leakage in the containment system is also recorded.

### 1. Absolute Pressure (2 Sensors)

Type:	Paroscientific Model 760-A Portable Field Standard
Range:	0-100 psia
Relative Accuracy:	$\pm 0.01$ % Full Scale
Repeatability:	$\pm 0.005$ % Full Scale
Sensitivity:	$\pm 0.0001$ psia
Calibration Date:	August 6, 1992

The sensors provide an RS232 direct digital input to the computer. Both sensors were used with a weighting factor of 0.5 in the leakage rate calculations.

### 2. Dew Point Temperature (6 Sensors)

Type:	General Eastern Hygro-E1 Optical Dew Point Monitor with Model 1111H single stage sensor
Range:	-40°F - 140°F, Analog output rescaled from 20°F - 100°F dew point, corresponding to 4 - 20 mA.
Accuracy:	$\pm 1.0$ °F

Repeatability:  $\pm 0.09^{\circ}\text{F}$   
 Sensitivity:  $\pm 0.09^{\circ}\text{F}$   
 Calibration Date: August 17, 1992

### 3. Dry Bulb Temperature (24 Sensors)

Type: Rosemount Model No. 78S, 4 wire, 100 ohm platinum  
 Resistance Temperature Detector, RTD  
 Calibrated Range:  $0^{\circ}\text{F} - 200^{\circ}\text{F}$   
 Accuracy:  $\pm 0.45^{\circ}\text{F}$  over entire range  
 Sensitivity:  $\pm 0.09^{\circ}\text{F}$  (for conservatism, the manuf. specified  
 repeatability is used for this value in the ISG  
 calculation.)  
 Calibration Date: August 10, 1992

### 4. Data Acquisition System

The data acquisition system consists of a Fluke 2289A Helios system front end which interfaces with an IBM compatible, 486 processor computer. The Fluke system acquires data from the dew point sensors and the dry bulb temperature sensors. The required cards and pertinent data are as follows:

#### Dew Point - DC current measurement

Cards Required: 161 High Performance A/D  
 162 Thermocouple / DC Volts  
 171 Current Input Connector  
 Range:  $\pm 64 \text{ mA}$   
 \* Accuracy:  $\pm 0.02 \%$  of Input,  $\pm 5 \text{ uA}$  ( $15^{\circ}\text{C}$ - $35^{\circ}\text{C}$  Operating Temp.)  
 Repeatability:  $\pm 0.015 \%$  of Input,  $\pm 2 \text{ uA}$   
 Resolution:  $0.6 \text{ uA}$   
 Calibration Date: July 21, 1992

\* Note: Accuracy improved over manuf. stated spec. due to change to 8 ohm,  $\pm 0.01 \%$  precision resistors.

#### Temperature - RTD Resistance Measurement

Cards Required: 161 High Performance A/D  
 163 RTD / Resistance Scanner  
 177 RTD / Resistance Input Connector  
 Range: 256 ohms  
 Accuracy:  $\pm 0.0175 \%$  of Input,  $\pm 5.7 \text{ m ohms}$  ( $15^{\circ}\text{C}$ - $35^{\circ}\text{C}$   
 Operating Temp)  
 Repeatability:  $\pm 0.005 \%$  of Input,  $\pm 4 \text{ m ohms}$   
 Resolution:  $2.4 \text{ m ohms}$

Calibration Date: July 21, 1992

5. Verification Flow (2 flowmeters)

Type: Brooks Hi-Accuracy, Full-View Flowmeter, Model No. 1110, 10K3B1A  
 Calibrated Range: 0 - 9.5 SCFM  
 Accuracy:  $\pm 1\%$  Full Scale  
 Calibration Dates: May 28 and June 1, 1992

Two flowmeters are installed in parallel for the verification test. The imposed leak rate is equal to the sum of the readings from the two meters.

6. Instrumentation Selection Guide (ISG) Calculation

The ISG calculation is a method used to evaluate the total instrumentation systems' ability to detect leakage rates in the range required. The ISG formula is described in ANSI/ANS 56.8-1987, Appendix G and requires that the sensitivity must be at least four times better than the containment's allowable leakage ( $ISG \leq 0.25 L_a$ ). The ISG calculated for the instrumentation used for this test was 0.037 wt. %/day for the six hour test. The allowable value for this test is 0.0625 wt. %/day.

The ISG value given by the computer for the end of test data point reflects actual containment atmospheric conditions and the number of sensors in service at that time. For this test, the ISG value is based on 2 pressure sensors, 6 dew point sensors and 23 temperature sensors.

7. Sensor Calibration Information and Volume Fractions

Appendix D, Miscellaneous Information contains a Sensor Information report. This report lists the calibration coefficients for each sensor, instrument serial numbers, DAS channel assignments and final volume fraction assignments as installed for the 1992 ILRT.

G. Description of Computer Program

The Duke Power ILRT is written in the C programming language and runs under the *Microsoft (R) Windows* operating environment. Through use of pull down menus, the user is made aware of all program options at any given time. All data including individual sensor readings, containment average readings and leakage calculations are accessible through spreadsheet data display windows, graphs, standardized reports, custom reports and data files written to disk. The program provides for multiple views of test data, both graphical and tabular, and also provides for real time updating of the

displays with each new data set. Both ANSI 56.8 mass point and BN-TOP-1 total time leakage calculations are performed concurrently.

The ILRT program actually consists of two separate programs. The main program, called LEAK.EXE, is a generic data analysis and reporting program. It can be used at any facility with no changes required, as its *personality* is derived from a configuration file developed prior to each test. The configuration file specifies all plant specific information, such as station name, unit number, number of compartments in containment, number of each sensor type within each compartment, sensor calibration constants, volume fractions, serial numbers, DAS channel assignments and containment volume. The second program, called DATACQ.EXE, controls data acquisition and is customized for the type of system being used.

The ILRT program calculations were verified prior to test performance by loading a hand verified benchmark Raw Data File and Configuration Data file into the subdirectory containing the ILRT program. Following selection of the Configuration data file, a Test Data file was recalculated by the program. Having rebuilt the Test Data File, all calculated values output by the program were compared with the benchmark calculations. Exact agreement (to the same number of significant figures given in the Benchmark Summary) was achieved between the benchmark calculation and the ILRT program output.

#### H. Information Retained at Plant

The following information is available for review at Oconee Nuclear Station:

1. A listing of all containment penetrations, including the total number of like penetrations, penetration size and function.
2. A listing of normal operating instrumentation used for the leakage rate test.
3. A system lineup (at time of test), showing required valve positions and status of piping systems.
4. A continuous sequential log of events from initial survey of containment to restoration of all tested systems.

5. Documentation of instrumentation calibration and standards.
6. The working copy of the test procedure that includes signature sign-off of procedural steps.
7. The procedure and all data that would verify completion of penetrations and valve testing (Type B and C tests), including as found leakage rates, corrective action taken, and final leak rate.
8. A listing of all test exceptions including changes in containment system boundaries instituted by Oconee to conclude successful testing.
9. Description of method of leak rate verification of instrument measuring system (superimposed leakage), with calibration information on flowmeters along with calculations that were used to measure the verification leakage rate.
10. The Instrumentation Selection Guide (ISG) Calculation
11. The P&ID's of pertinent systems.

#### IV. ANALYSIS AND INTERPRETATION

##### A. ILRT Test Corrections

In accordance with 10CFR50 Appendix J, Section III A.1.D, leakage penalties must be added to the Type A test result. During the ILRT, six penetrations in addition to the electrical penetrations were not placed in the post-LOCA alignment. The penetrations and minimum pathway "As Left" leakage rates are given below:

<u>Penetration</u>	<u>Description</u>	<u>Reason</u>	<u>Leakage Rate</u>	
(4) E Penet.	Conax Electrical Penetrations	N <sub>2</sub> gas left in penet.	8	sccm
P-4	OTSG Drain - Valve 3FDW-335 & 3FDW-104	3FDW-104 manually closed - operator not installed at test start.	285	sccm
P-41	Instrument Air	Superimposed Leak Path.	20	sccm
P-45	Valves 3LRT-24 & 3LRT-25	ILRT instrument pressure sensing line.	8	sccm
P-51	Blind Flange and Valve 3LRT17	Cont. Pressurization/Depressurization Path.	40	sccm

P-54	Valves 3CC-7 & 3CC-8	During leakage survey, 3CC-8 was manually tightened 1/8 turn.	1120	sccm
P-91	Emergency Hatch	Equalization valve plugged closed during leakage survey.	410	sccm
Total:			1891	sccm
			<u>0.0011</u>	wt. %/day

Water volume changes in containment during the ILRT were negligible. During the period from 1445 on 9/10 to 0615 on 9/11, the reactor building normal sump, the quench tank and the core flood tank levels remained constant. During this same period the "B" Once-Through-Steam-Generator (OTSG) level increased from 274.8 inches to 275.3 inches.

#### B. Reported "As Left" ILRT Results

The results of the ILRT to be reported including all corrections are:

	<u>Total Time Analysis</u>	<u>Mass Point Analysis</u>
Calculated Leakage Rate at 95% UCL	0.1083 wt. %/day	0.0703 wt. %/day
Corrections	0.0011 wt. %/day	0.0011 wt. %/day
<b>"As Left" Leakage Rate</b>	0.1094 wt. %/day	0.0714 wt. %/day
Acceptance Criterion ( $< 0.75 L_a$ )	$< 0.1875$ wt. %/day	

Since both the "As Left" Total Time and Mass Point UCLs are less than  $0.75L_a$ , the test results demonstrate that the leakage through the primary containment and systems and components penetrating containment does not exceed the allowable leakage rate specified in the Oconee Nuclear Station FSAR and the Technical Specifications.

#### C. "As Found" Evaluation of Containment

In a letter dated July 27, 1989 (Reference J) to Duke Power Company, the Director

of NRR concluded that "As Found" Type A testing is not an explicit requirement of the regulations. Therefore, the "As Found" evaluation in accordance with NRC IE Notice No. 85-71, "Containment Integrated Leak Rate Tests", does not currently apply to Oconee Nuclear Station.

However, 10 CFR 50 Appendix J, Section III.A.1.(a) requires that, "during the period between the initiation of the containment inspection and the performance of the Type A test, no repairs or adjustments shall be made so that the containment can be tested in as close to the 'as is' condition as practical." Following the time of the initiation of the containment inspection, described by paragraph V.A. of Appendix J, and the completion of the Type A test, preparatory repairs and adjustments were made to containment purge penetrations, P-19 and P-20. The "As Found" Type A result is determined by adding the total leakage savings resulting from the repair or adjustment to the "As Left" Type A test result. These corrections are the difference between the pre-repair leakages (but not negative), calculated in the minimum pathway case for each purge penetration.

<u>Penetration</u>	<u>Description</u>	<u>Minimum Pathway Leakage Difference</u>	
P-19	Containment Purge Valves 3PR-1 & 3PR-2.	9415	sccm
P-20	Containment Purge Valves 3PR-5 & 3PR-6	8550	sccm
	Total Leakage Savings:	17,965	sccm
		<u>0.0102</u>	wt %/day

	<u>Total Time Analysis</u>	<u>Mass Point Analysis</u>
"As Left" Leakage Rate	0.1094 wt. %/day	0.0714 wt. %/day
Total Leakage Savings	0.0102 wt. %/day	0.0102 wt. %/day
"As Found" Leakage Rate	0.1196 wt. %/day	0.0816 wt. %/day
Acceptance Criterion ( < 0.75 L <sub>a</sub> )	< 0.1875 wt. %/day	



V. REFERENCES

- A. Oconee Nuclear Station FSAR Sections 3.8.1.7.3 and 3.8.1.7.4.
- B. Oconee Nuclear Station Technical Specifications; Section 4.4.1.1.
- C. Oconee Nuclear Station, Procedure PT/3/A/0150/03A, Unit 3, Reactor Building Integrated Leak Rate Test, Change No. 9.
- D. Oconee Nuclear Station, Procedure PT/3/A/0150/03C, Integrated Leak Rate Test Penetration Venting and Draining , Change No. 7.
- E. Duke Power Company Integrated Leak Rate Test Software Documentation, Version 1.74.
- F. Oconee Nuclear Station, Procedure MP/3/A/3005/010, Unit 3, Reactor Building Civil Inspection for Integrated Leak Rate Test (ILRT), Change No. 2.
- G. Code of Federal Regulations, Title 10, Part 50, Appendix J, "Primary Reactor Containment Leakage Testing for Water Cooled Power Reactors".
- H. ANSI/ANS 56.8-1987, "Containment System Leakage Testing Requirements".
- I. Bechtel Topical Report BN-TOP-1, "Testing Criteria for Integrated Leakage Rate Testing of Primary Containment Structures for Nuclear Power Plants", Revision 1, 1972.
- J. ANSI N45.4-1972, "Leakage-Rate Testing of Containment Structures for Nuclear Reactors".
- K. July 27, 1989 Letter to Mr. H. B. Tucker, Vice President Duke Power Company from Mr. Thomas E. Murley, Director Office of Nuclear Regulation, Determination of Backfit Appeal Regarding Containment Integrated Leakage Rate Testing at Oconee, McGuire, and Catawba Nuclear Station (TACS 68443-68449).

**SECTION VI**  
**APPENDICES**

## APPENDIX A

### Temperature Stabilization Phase Data and Graphs Reading No.108 to 370

#### Reports:

- BN-TOP-1 Temperature Stabilization Criteria
- Mass Point Temperature Stabilization Criteria
- Containment Calculated Values by Reading No.

#### Graphs:

- Containment Mass
- Average Pressure & Average Temperature
- Average Vapor Pressure
- Average Dew Point

# BN-TOP-1 Temperature Stabilization

Oconee Nuclear Station  
Unit 3 - 9/92

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TIME	TEMP	AVE. DT OVER LAST 2 HOURS	RATE OF DT CHANGE OVER LAST 2 HOURS
t	T	$\frac{T_t - T_{t-2}}{2}$	
HOURS	°F	°F/HR	°F/HR/HR
21:30	78.879		
22:29	76.696		
23:30	75.783	1.550	1.294
00:29	75.251	0.722	0.370
01:30	74.855	0.464	0.144
02:30	74.546	0.351	0.083
03:30	74.308	0.273	0.071
04:29	74.114	0.218	0.041
05:30	73.927	0.190	0.014
06:30	73.778	0.168	0.033
07:30	73.672	0.128	0.046
08:30	73.573	0.102	0.006
09:30	73.489	0.092	0.015
10:30	73.406	0.084	0.001
11:30	73.358	0.065	0.035
12:32	73.315	0.045	0.006
13:32	73.277	0.039	0.004
14:32	73.273	0.021	0.033
15:32	73.240	0.018	0.028
16:32	73.219	0.027	0.011
17:30	73.213	0.014	0.016
18:30	73.192	0.014	0.015
19:30	73.169	0.022	0.002
20:30	73.155	0.018	0.009
21:30	73.141	0.014	0.000
22:30	73.135	0.010	0.008
23:30	73.137	0.002	0.005
00:30	73.132	0.002	0.003
01:30	73.119	0.009	0.009
02:30	73.123	0.005	0.009
03:30	73.136	0.008	0.008
04:30	73.133	0.005	0.010
05:30	73.132	0.002	0.001
06:30	73.149	0.008	0.016
07:30	73.155	0.012	0.011
08:30	73.164	0.008	0.003
09:30	73.185	0.015	0.011
10:30	73.196	0.016	0.008
11:30	73.212	0.014	0.004
12:30	73.236	0.020	0.008
13:30	73.252	0.020	0.008
14:30	73.271	0.017	0.003
15:30	73.306	0.027	0.017
16:30	73.325	0.027	0.017
17:30	73.347	0.020	0.003
18:30	73.367	0.021	0.002
19:30	73.382	0.018	0.004

# Mass Point Temperature Stabilization

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①	②	③	④	⑤
TIME	TEMP	AVE. DT OVER LAST 4 HOURS	AVE. DT OVER LAST HOUR	
t	T	$\frac{ T_t - T_{t-4} }{4}$	$ T_t - T_{t-1} $	⑤ = ③ - ④
HOURS	°F	°F/HR	°F/HR	°F/HR
21:30	78.879			
22:29	76.696			
23:30	75.783			
00:29	75.251			
01:30	74.855	1.007	0.392	0.615
02:30	74.546	0.536	0.309	0.227
03:30	74.308	0.368	0.237	0.131
04:29	74.114	0.284	0.197	0.087
05:30	73.927	0.232	0.183	0.048
06:30	73.778	0.192	0.151	0.041
07:30	73.672	0.159	0.106	0.054
08:30	73.573	0.135	0.099	0.036
09:30	73.489	0.110	0.084	0.026
10:30	73.406	0.093	0.083	0.010
11:30	73.358	0.079	0.048	0.031
12:32	73.315	0.064	0.042	0.022
13:32	73.277	0.052	0.037	0.015
14:32	73.273	0.033	0.004	0.028
15:32	73.240	0.029	0.032	-0.003
16:32	73.219	0.024	0.021	0.003
17:30	73.213	0.016	0.006	0.010
18:30	73.192	0.020	0.021	-0.001
19:30	73.169	0.018	0.023	-0.005
20:30	73.155	0.016	0.014	0.002
21:30	73.141	0.018	0.014	0.004
22:30	73.135	0.014	0.006	0.008
23:30	73.137	0.008	0.001	0.007
00:30	73.132	0.006	0.004	0.001
01:30	73.119	0.006	0.013	-0.008
02:30	73.123	0.003	0.004	-0.001
03:30	73.136	0.000	0.012	-0.012
04:30	73.133	0.000	0.003	-0.002
05:30	73.132	0.003	0.001	0.002
06:30	73.149	0.006	0.017	-0.011
07:30	73.155	0.005	0.006	-0.001
08:30	73.164	0.008	0.010	-0.002
09:30	73.185	0.013	0.020	-0.007
10:30	73.196	0.012	0.012	0.000
11:30	73.212	0.014	0.016	-0.002
12:30	73.236	0.018	0.024	-0.006
13:30	73.252	0.017	0.016	0.001
14:30	73.271	0.019	0.019	-0.000
15:30	73.306	0.024	0.036	-0.012
16:30	73.325	0.022	0.019	0.003
17:30	73.347	0.024	0.022	0.002
18:30	73.367	0.024	0.019	0.005
19:30	73.382	0.019	0.016	0.003

# Containment Calculated Values

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RDG	TIME	MASS	TEMP	VAPOR PRESS	PRESSURE
108	21:30:34	698877.73	78.879	0.3486	75.1976
109	21:35:13	698800.11	78.595	0.3491	75.1502
110	21:40:21	698798.79	78.285	0.3484	75.1063
111	21:45:21	698799.23	78.035	0.3475	75.0707
112	21:50:21	698774.12	77.829	0.3468	75.0387
113	21:55:21	698779.40	77.628	0.3459	75.0105
114	22:00:21	698781.80	77.451	0.3449	74.9852
115	22:05:22	698771.32	77.294	0.3439	74.9611
116	22:10:22	698748.05	77.155	0.3440	74.9394
117	22:14:50	698745.26	77.030	0.3440	74.9218
118	22:19:50	698709.83	76.916	0.3442	74.9024
119	22:24:50	698710.07	76.799	0.3434	74.8853
120	22:29:50	698698.10	76.696	0.3420	74.8683
121	22:35:16	698692.59	76.586	0.3405	74.8510
122	22:40:24	698650.07	76.496	0.3423	74.8358
123	22:45:24	698611.88	76.413	0.3440	74.8219
124	22:50:24	698606.41	76.326	0.3438	74.8089
125	22:55:24	698571.25	76.245	0.3457	74.7959
126	23:00:25	698582.10	76.160	0.3446	74.7841
127	23:05:25	698537.50	76.101	0.3452	74.7718
128	23:10:25	698521.26	76.034	0.3452	74.7607
129	23:15:25	698493.01	75.970	0.3467	74.7503
130	23:20:25	698489.35	75.904	0.3449	74.7390
131	23:25:25	698470.76	75.845	0.3449	74.7289
132	23:30:26	698467.29	75.783	0.3445	74.7194
133	23:35:26	698442.68	75.731	0.3454	74.7104
134	23:40:26	698427.04	75.678	0.3455	74.7016
135	23:45:26	698407.54	75.624	0.3462	74.6927
136	23:50:26	698364.34	75.580	0.3473	74.6831
137	23:55:27	698340.15	75.541	0.3475	74.6752
138	00:00:27	698322.97	75.486	0.3485	74.6668
139	00:05:27	698324.13	75.443	0.3473	74.6598

# Containment Calculated Values

Oconee Nuclear Station  
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RDG	TIME	MASS	TEMP	VAPOR PRESS	PRESSURE
140	00:10:27	698305.78	75.399	0.3474	74.6518
141	00:14:49	698286.69	75.366	0.3472	74.6450
142	00:19:49	698273.53	75.326	0.3472	74.6380
143	00:24:49	698262.53	75.285	0.3473	74.6313
144	00:29:49	698243.99	75.251	0.3473	74.6246
145	00:35:15	698233.67	75.207	0.3474	74.6175
146	00:40:14	698209.09	75.178	0.3476	74.6110
147	00:50:54	698186.08	75.100	0.3474	74.5975
148	00:56:02	698173.90	75.068	0.3474	74.5918
149	01:00:14	698158.06	75.045	0.3471	74.5865
150	01:05:22	698147.69	75.006	0.3472	74.5803
151	01:10:22	698135.61	74.976	0.3470	74.5746
152	01:15:22	698133.35	74.933	0.3475	74.5689
153	01:20:23	698105.11	74.910	0.3475	74.5627
154	01:25:23	698096.70	74.884	0.3474	74.5581
155	01:30:23	698083.95	74.855	0.3474	74.5527
156	01:35:23	698077.50	74.827	0.3470	74.5477
157	01:40:23	698057.67	74.800	0.3476	74.5424
158	01:45:23	698054.03	74.769	0.3470	74.5372
159	01:50:24	698041.72	74.745	0.3472	74.5326
160	01:55:24	698022.79	74.722	0.3471	74.5274
161	02:00:24	698021.39	74.687	0.3474	74.5227
162	02:05:24	698002.70	74.672	0.3474	74.5187
163	02:10:24	697989.58	74.647	0.3475	74.5139
164	02:15:24	697973.72	74.623	0.3474	74.5087
165	02:20:25	697963.79	74.602	0.3473	74.5047
166	02:25:25	697956.28	74.574	0.3476	74.5003
167	02:30:25	697957.70	74.546	0.3475	74.4965
168	02:35:25	697934.95	74.532	0.3477	74.4923
169	02:40:25	697937.57	74.498	0.3477	74.4878
170	02:45:25	697924.05	74.478	0.3479	74.4838
171	02:50:15	697904.05	74.467	0.3479	74.4802

# Containment Calculated Values

Oconee Nuclear Station  
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RDG	TIME	MASS	TEMP	VAPOR PRESS	PRESSURE
172	03:01:13	697869.24	74.429	0.3483	74.4716
173	03:06:23	697864.24	74.405	0.3477	74.4671
174	03:10:25	697872.54	74.380	0.3477	74.4646
175	03:15:33	697856.06	74.366	0.3479	74.4611
176	03:20:33	697844.22	74.344	0.3478	74.4567
177	03:25:34	697842.15	74.322	0.3478	74.4535
178	03:30:34	697826.02	74.308	0.3475	74.4495
179	03:35:34	697818.39	74.290	0.3476	74.4462
180	03:40:34	697816.08	74.274	0.3475	74.4436
181	03:45:34	697802.84	74.254	0.3473	74.4392
182	03:50:34	697793.76	74.240	0.3473	74.4364
183	03:55:35	697772.50	74.228	0.3473	74.4325
184	04:00:35	697771.36	74.209	0.3472	74.4297
185	04:04:44	697759.32	74.198	0.3473	74.4269
186	04:09:34	697755.62	74.179	0.3473	74.4239
187	04:14:34	697750.81	74.160	0.3473	74.4207
188	04:19:34	697739.60	74.149	0.3473	74.4180
189	04:24:34	697728.83	74.128	0.3474	74.4141
190	04:29:34	697720.88	74.114	0.3478	74.4117
191	04:34:35	697722.42	74.094	0.3477	74.4090
192	04:39:35	697705.68	74.084	0.3478	74.4059
193	04:45:45	697696.70	74.071	0.3475	74.4028
194	04:50:53	697678.78	74.063	0.3472	74.3996
195	04:55:54	697664.60	74.052	0.3471	74.3963
196	05:00:54	697658.91	74.032	0.3475	74.3935
197	05:05:54	697637.75	74.033	0.3473	74.3911
198	05:10:54	697621.91	74.023	0.3471	74.3878
199	05:15:54	697620.69	74.007	0.3471	74.3856
200	05:20:54	697679.12	73.940	0.3474	74.3827
201	05:25:55	697673.84	73.931	0.3475	74.3809
202	05:30:55	697648.39	73.927	0.3477	74.3779
203	05:35:55	697641.84	73.906	0.3479	74.3746



# Containment Calculated Values

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RDG	TIME	MASS	TEMP	VAPOR PRESS	PRESSURE
204	05:40:55	697663.91	73.879	0.3479	74.3731
205	05:45:55	697661.12	73.862	0.3473	74.3699
206	05:50:55	697641.53	73.859	0.3473	74.3674
207	05:55:56	697623.96	73.851	0.3476	74.3648
208	06:00:56	697628.64	73.838	0.3468	74.3627
209	06:05:56	697613.62	73.830	0.3470	74.3601
210	06:10:56	697602.23	73.820	0.3470	74.3574
211	06:15:57	697606.34	73.805	0.3470	74.3558
212	06:20:09	697593.68	73.792	0.3471	74.3528
213	06:25:09	697583.92	73.782	0.3472	74.3504
214	06:30:09	697579.14	73.778	0.3468	74.3490
215	06:35:10	697574.80	73.763	0.3468	74.3464
216	06:40:10	697570.44	73.751	0.3467	74.3442
217	06:45:10	697556.57	73.739	0.3470	74.3414
218	06:50:10	697545.15	73.735	0.3470	74.3397
219	06:55:10	697539.76	73.727	0.3467	74.3376
220	07:00:10	697512.97	73.726	0.3471	74.3351
221	07:15:11	697493.32	73.697	0.3467	74.3286
222	07:30:11	697471.78	73.672	0.3470	74.3231
223	07:45:12	697445.71	73.645	0.3472	74.3168
224	08:00:13	697416.27	73.623	0.3478	74.3112
225	08:15:13	697395.22	73.599	0.3478	74.3057
226	08:30:14	697379.36	73.573	0.3477	74.3002
227	08:45:14	697346.41	73.560	0.3477	74.2950
228	09:00:15	697334.70	73.532	0.3477	74.2899
229	09:15:15	697301.67	73.515	0.3474	74.2838
230	09:30:16	697287.28	73.489	0.3478	74.2790
231	09:45:16	697273.31	73.469	0.3476	74.2745
232	10:00:17	697245.46	73.458	0.3475	74.2698
233	10:15:17	697224.99	73.433	0.3478	74.2646
234	10:30:18	697220.92	73.406	0.3476	74.2602
235	10:45:18	697200.85	73.396	0.3470	74.2562

# Containment Calculated Values

Oconee Nuclear Station  
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RDG	TIME	MASS	TEMP	VAPOR PRESS	PRESSURE
236	11:00:19	697163.56	73.391	0.3473	74.2518
237	11:15:19	697142.62	73.372	0.3475	74.2472
238	11:30:20	697122.98	73.358	0.3478	74.2433
239	11:45:20	697112.50	73.341	0.3478	74.2399
240	12:02:15	697071.70	73.337	0.3477	74.2349
241	12:17:16	697037.25	73.330	0.3475	74.2301
242	12:32:16	697030.41	73.315	0.3478	74.2276
243	12:47:17	697008.05	73.303	0.3475	74.2233
244	13:02:17	696991.57	73.287	0.3475	74.2193
245	13:17:18	696978.98	73.274	0.3477	74.2163
246	13:32:18	696948.20	73.277	0.3478	74.2137
247	13:47:19	696935.02	73.271	0.3481	74.2117
248	14:02:19	696928.90	73.260	0.3472	74.2086
249	14:17:20	696887.30	73.268	0.3480	74.2061
250	14:32:20	696854.70	73.273	0.3480	74.2033
251	14:47:21	696835.90	73.264	0.3477	74.1998
252	15:02:21	696841.68	73.250	0.3476	74.1984
253	15:17:22	696825.60	73.237	0.3476	74.1949
254	15:32:22	696790.72	73.240	0.3479	74.1920
255	15:47:23	696775.12	73.234	0.3477	74.1893
256	16:02:24	696757.44	73.235	0.3475	74.1874
257	16:17:24	696744.15	73.224	0.3477	74.1847
258	16:32:25	696715.46	73.219	0.3480	74.1812
259	16:47:25	696690.73	73.223	0.3480	74.1791
260	16:59:48	696685.19	73.216	0.3480	74.1776
261	17:15:15	696651.14	73.216	0.3479	74.1738
262	17:30:23	696632.08	73.213	0.3480	74.1715
263	17:45:24	696621.16	73.208	0.3482	74.1698
264	18:00:24	696595.54	73.205	0.3485	74.1670
265	18:15:25	696578.78	73.201	0.3482	74.1644
266	18:30:25	696564.52	73.192	0.3486	74.1620
267	18:45:26	696547.73	73.187	0.3485	74.1594

# Containment Calculated Values

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RDG	TIME	MASS	TEMP	VAPOR PRESS	PRESSURE
268	19:00:26	696532.24	73.180	0.3484	74.1568
269	19:15:27	696514.37	73.174	0.3487	74.1542
270	19:30:27	696498.98	73.169	0.3488	74.1521
271	19:45:28	696471.11	73.167	0.3490	74.1491
272	20:00:29	696469.66	73.159	0.3488	74.1475
273	20:15:29	696448.36	73.156	0.3488	74.1448
274	20:30:30	696422.49	73.155	0.3491	74.1423
275	20:45:30	696402.45	73.152	0.3491	74.1398
276	21:00:31	696394.59	73.151	0.3489	74.1385
277	21:15:31	696370.17	73.147	0.3489	74.1356
278	21:30:32	696365.30	73.141	0.3489	74.1342
279	21:45:32	696342.25	73.140	0.3489	74.1315
280	22:00:33	696329.65	73.139	0.3488	74.1299
281	22:15:33	696312.65	73.134	0.3488	74.1275
282	22:30:34	696287.66	73.135	0.3488	74.1250
283	22:45:34	696283.59	73.125	0.3487	74.1231
284	23:00:35	696252.89	73.132	0.3492	74.1212
285	23:15:35	696243.24	73.128	0.3493	74.1198
286	23:30:36	696215.53	73.137	0.3492	74.1179
287	23:45:36	696192.84	73.139	0.3493	74.1161
288	00:00:37	696172.49	73.138	0.3492	74.1135
289	00:15:37	696167.88	73.132	0.3491	74.1122
290	00:30:38	696154.26	73.132	0.3490	74.1107
291	00:45:38	696151.09	73.125	0.3489	74.1092
292	01:00:39	696132.63	73.126	0.3489	74.1073
293	01:15:39	696121.70	73.118	0.3487	74.1049
294	01:30:40	696104.62	73.119	0.3487	74.1032
295	01:35:40	696095.16	73.121	0.3490	74.1028
296	01:40:40	696091.92	73.124	0.3487	74.1026
297	01:45:41	696085.75	73.120	0.3489	74.1016
298	02:00:15	696065.67	73.121	0.3488	74.0995
299	02:15:24	696047.32	73.122	0.3492	74.0980

# Containment Calculated Values

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RDG	TIME	MASS	TEMP	VAPOR PRESS	PRESSURE
300	02:30:24	696030.21	73.123	0.3492	74.0964
301	02:45:25	696025.65	73.120	0.3489	74.0952
302	03:00:25	696002.71	73.121	0.3493	74.0933
303	03:15:26	695984.80	73.127	0.3490	74.0920
304	03:30:26	695961.31	73.136	0.3492	74.0908
305	03:45:27	695954.83	73.126	0.3493	74.0889
306	04:00:27	695925.20	73.136	0.3493	74.0871
307	04:15:28	695928.02	73.130	0.3492	74.0865
308	04:30:28	695908.85	73.133	0.3492	74.0849
309	04:45:29	695891.16	73.137	0.3490	74.0834
310	05:00:29	695880.45	73.138	0.3490	74.0825
311	05:15:30	695866.28	73.139	0.3489	74.0809
312	05:30:30	695857.70	73.132	0.3489	74.0791
313	05:45:31	695835.10	73.142	0.3488	74.0779
314	06:00:31	695831.23	73.136	0.3490	74.0770
315	06:15:32	695811.34	73.145	0.3490	74.0761
316	06:30:32	695799.31	73.149	0.3489	74.0752
317	06:45:33	695784.57	73.146	0.3492	74.0735
318	07:00:33	695780.58	73.143	0.3489	74.0724
319	07:15:34	695746.62	73.156	0.3489	74.0706
320	07:30:34	695739.17	73.155	0.3489	74.0697
321	07:45:35	695739.68	73.154	0.3493	74.0700
322	08:00:35	695708.62	73.167	0.3493	74.0684
323	08:15:36	695710.07	73.161	0.3491	74.0677
324	08:30:36	695692.68	73.164	0.3494	74.0666
325	08:45:37	695668.82	73.169	0.3494	74.0648
326	09:00:37	695651.53	73.179	0.3494	74.0643
327	09:15:38	695650.52	73.182	0.3491	74.0642
328	09:30:38	695635.32	73.185	0.3491	74.0630
329	09:45:39	695626.67	73.194	0.3492	74.0635
330	10:00:39	695604.40	73.198	0.3490	74.0615
331	10:15:40	695594.49	73.200	0.3492	74.0609

# Containment Calculated Values

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Oconee Nuclear Station  
Unit 3 - 9/92

RDG	TIME	MASS	TEMP	VAPOR PRESS	PRESSURE
332	10:30:40	695597.21	73.196	0.3488	74.0603
333	10:45:41	695575.16	73.200	0.3491	74.0588
334	11:00:41	695558.17	73.207	0.3493	74.0582
335	11:15:16	695551.48	73.205	0.3493	74.0571
336	11:30:16	695546.87	73.212	0.3488	74.0571
337	11:45:17	695512.13	73.227	0.3494	74.0561
338	12:00:17	695509.70	73.223	0.3494	74.0553
339	12:15:18	695506.18	73.225	0.3492	74.0550
340	12:30:17	695487.52	73.236	0.3491	74.0545
341	12:45:17	695475.91	73.237	0.3492	74.0534
342	13:00:19	695460.27	73.244	0.3492	74.0528
343	13:15:18	695456.03	73.243	0.3492	74.0521
344	13:30:19	695436.71	73.252	0.3494	74.0515
345	13:45:19	695432.24	73.256	0.3494	74.0517
346	14:00:20	695418.16	73.259	0.3493	74.0505
347	14:15:20	695399.94	73.264	0.3496	74.0496
348	14:30:21	695389.25	73.271	0.3497	74.0494
349	14:45:21	695365.22	73.286	0.3497	74.0489
350	15:00:22	695363.34	73.290	0.3497	74.0493
351	15:15:22	695350.79	73.296	0.3498	74.0490
352	15:30:23	695335.79	73.306	0.3497	74.0487
353	15:45:23	695336.01	73.311	0.3497	74.0493
354	16:00:24	695346.53	73.309	0.3495	74.0501
355	16:15:24	695325.04	73.322	0.3497	74.0498
356	16:30:25	695323.26	73.325	0.3498	74.0501
357	16:45:25	695326.57	73.330	0.3494	74.0507
358	17:00:26	695307.48	73.336	0.3497	74.0498
359	17:15:26	695306.32	73.344	0.3496	74.0506
360	17:30:27	695307.87	73.347	0.3494	74.0511
361	17:45:27	695307.20	73.350	0.3494	74.0514
362	18:00:28	695298.34	73.354	0.3496	74.0512
363	18:15:28	695297.71	73.358	0.3496	74.0516

# Containment Calculated Values

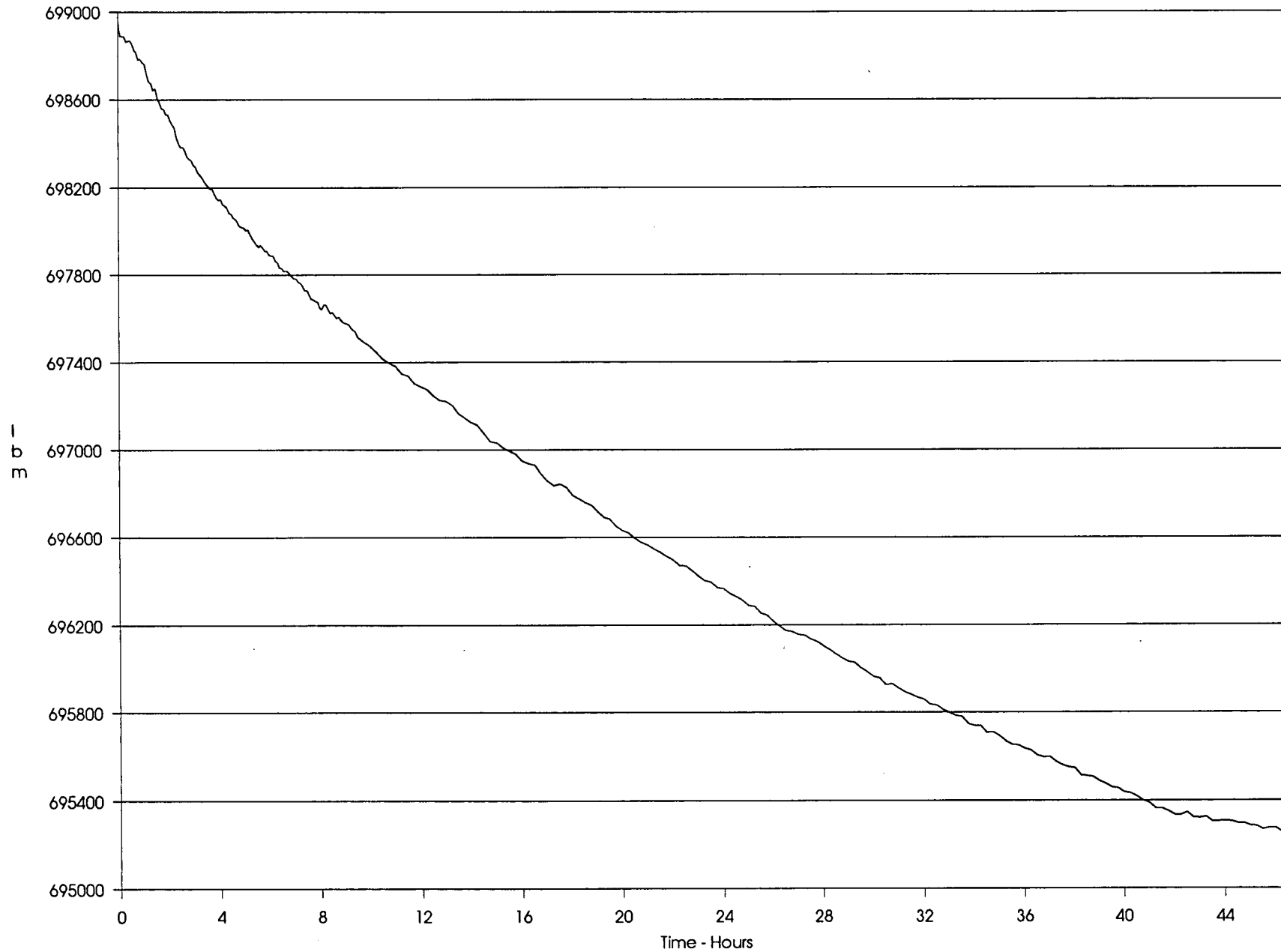
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Oconee Nuclear Station  
Unit 3 - 9/92

RDG	TIME	MASS	TEMP	VAPOR PRESS	PRESSURE
364	18:30:29	695286.61	73.367	0.3492	74.0513
365	18:45:29	695285.38	73.369	0.3494	74.0517
366	19:00:31	695269.76	73.380	0.3492	74.0513
367	19:15:32	695275.99	73.381	0.3492	74.0522
368	19:30:32	695276.66	73.382	0.3496	74.0528
369	19:45:33	695258.67	73.386	0.3497	74.0516
370	20:00:33	695254.84	73.386	0.3495	74.0509

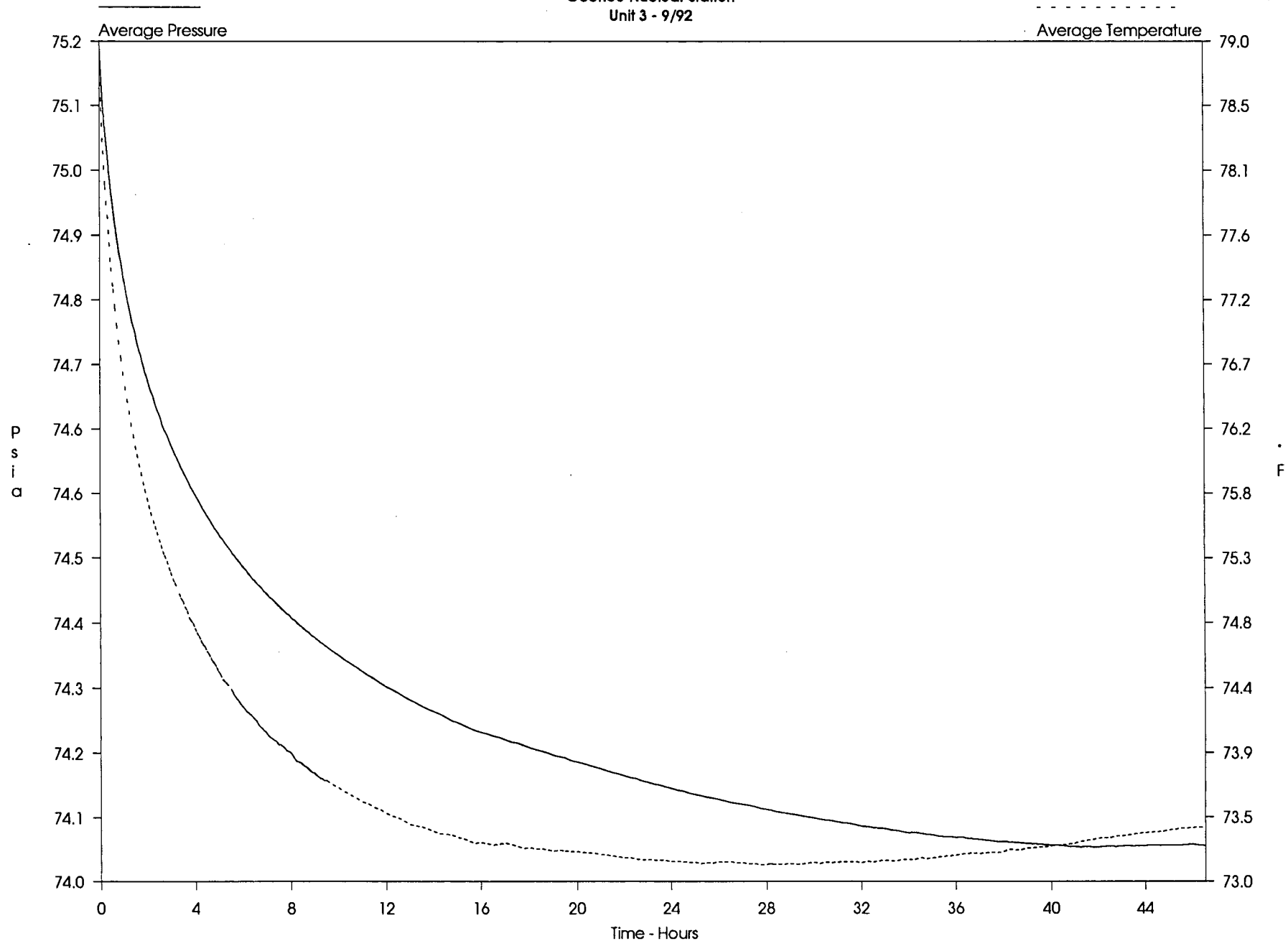
# Containment Mass

Oconee Nuclear Station  
Unit 3 - 9/92



# Average Pressure & Average Temperature

Oconee Nuclear Station  
Unit 3 - 9/92

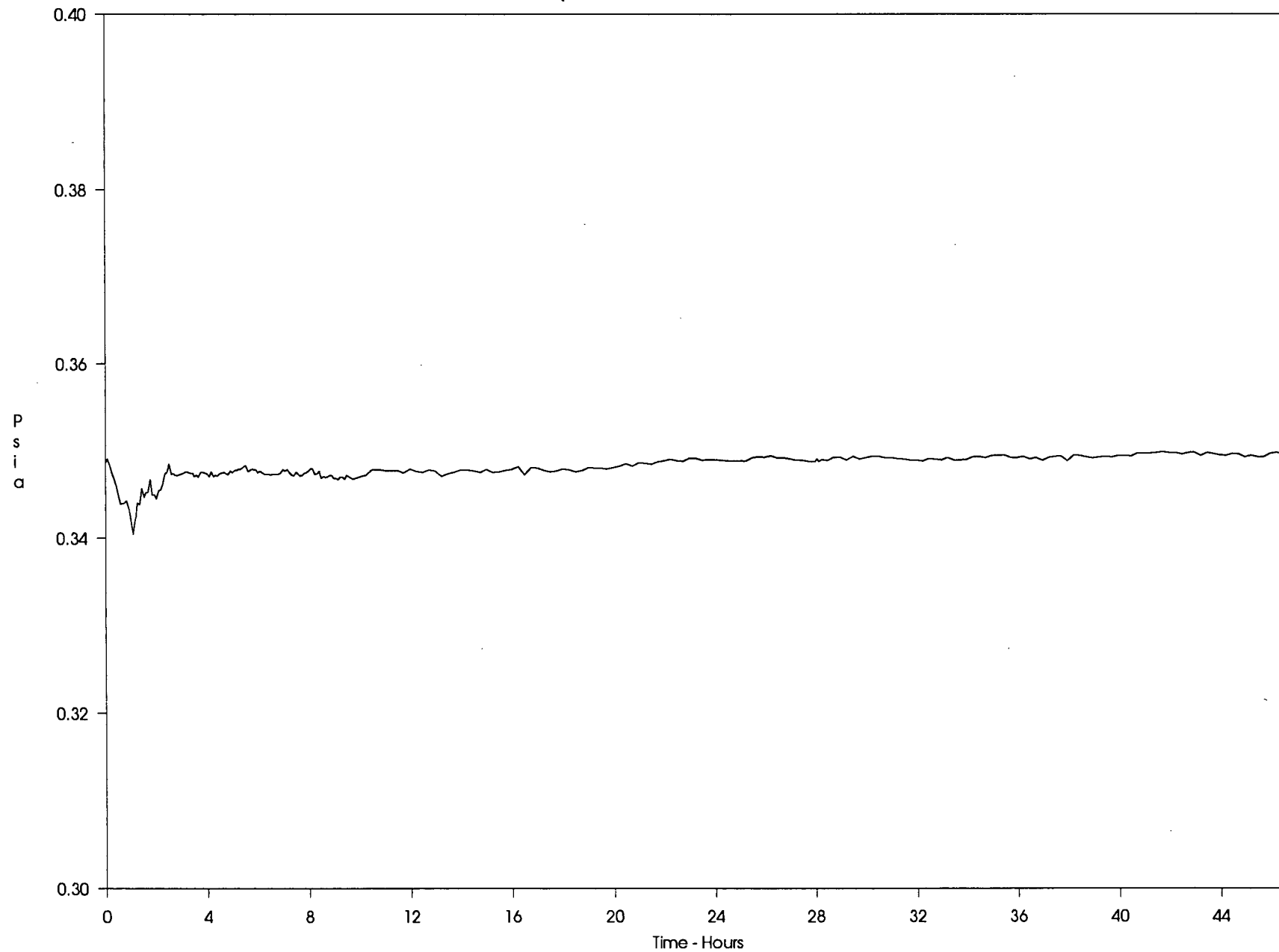




# Average Vapor Pressure

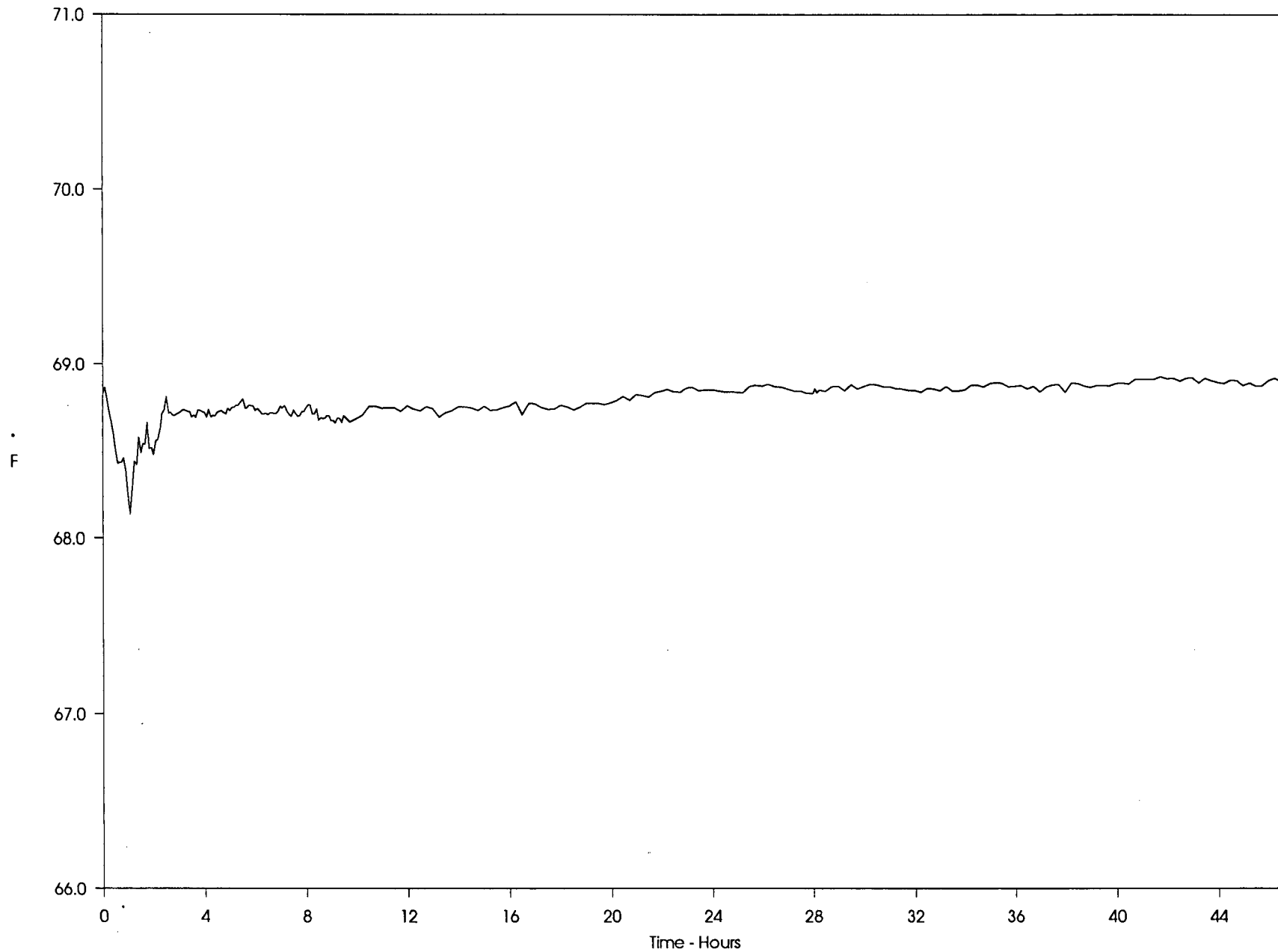
Oconee Nuclear Station

Unit 3 - 9/92



# Average Dew Point

Oconee Nuclear Station  
Unit 3 - 9/92



## **APPENDIX B**

### **Integrated Leakage Rate Test Data and Graphs Reading No. 370 to 394**

#### **Reports:**

- BN-TOP-1 Total Time Test Termination Criteria
- Total Time Leak Rate Analysis
- Mass Point Leak Rate Analysis
- Containment Calculated Values by Reading No.

#### **Graphs:**

- Total Time Leak at UCL and Calculated Total Time Leak
- Mass Point Leak at UCL and Mass Point Leak
- Containment Mass
- Average Pressure
- Average Vapor Pressure
- Average Temperature

# BN-TOP-1 Termination Criteria

Oconee Nuclear Station  
Unit 3 - 9/92

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## BN-TOP-1 Termination Criteria Evaluation for Reading # 394

1. The Trend Report based on Total Time calculations shall indicate that the magnitude of the calculated leak rate is tending to stabilize at a value less than the maximum allowable leak rate ( $<.75L_a$ ).

Required Value: 0.187500 %/day Actual Value: 0.068382 %/day

(Note: The magnitude of the calculated leak rate may be increasing slightly as it tends to stabilize. In this case the average rate of increase of the calculated leak rate shall be determined from the accumulated data over the last five hours or last twenty data points, whichever provides the most points. Using this average rate, the calculated leak rate can then be linearly extrapolated to the 24th hour data point. If this extrapolated value of the calculated leak rate exceeds 75% of the maximum allowable leak rate ( $L_a$ ) then the leak rate test is continued.)

Required Value: 0.187500 %/day Actual Value: 0.000000 %/day

2. The end of test upper 95% confidence limit for the calculated leak rate based on Total Time calculations shall be less than the maximum allowable leak rate ( $<.75L_a$ ).

Required Value: 0.187500 %/day Actual Value: 0.108319 %/day

3. The mean of the measured leak rates based on Total Time calculations over the last five hours of test or last twenty data points, whichever provides the most data, shall be less than the maximum allowable leak rate ( $<.75L_a$ ).

Required Value: 0.187500 %/day Actual Value: 0.079589 %/day

4. Data shall be recorded at approximately equal intervals and in no case at intervals greater than one hour.

Required Interval:  $\leq 1$  hr Maximum Actual Interval: 0.26 hr

5. At least twenty (20) data points shall be provided for proper statistical analysis.

Required # Data Points:  $\geq 20$  Actual Data Points: 25

6. In no case shall the minimum test duration be less than six (6) hours.

Required Minimum Duration: 6 hr Actual Duration: 6.0 hr

# Total Time Leak Rate Analysis

Page 1 of 1

Oconee Nuclear Station  
Unit 3 - 9/92

RDG %/DAY)	TIME (MINUTES)	MEASURED LEAK (WT %/DAY)	CALCULATED LEAK (WT	UCL LEAK (WT %/DAY)
370	0.00	-	-	-
371	14.77	0.050719	-	-
372	29.78	0.144190	0.144190	-
373	44.78	0.053844	0.084497	0.811437
374	59.80	0.074375	0.077885	0.345344
375	74.80	0.099749	0.090229	0.262103
376	89.82	0.076812	0.084547	0.215309
377	104.82	0.103154	0.093456	0.202000
378	119.83	0.094280	0.095227	0.188358
379	134.83	0.090833	0.095004	0.177518
380	149.85	0.080839	0.091330	0.166796
381	164.85	0.090620	0.091779	0.160921
382	179.87	0.084179	0.090181	0.154499
383	194.87	0.080474	0.087938	0.148417
384	209.88	0.082782	0.086794	0.143825
385	224.88	0.083144	0.085981	0.140027
386	239.90	0.074601	0.083385	0.135199
387	254.90	0.081015	0.082675	0.132189
388	269.92	0.072961	0.080452	0.128171
389	284.92	0.068554	0.077764	0.124008
390	299.93	0.065127	0.074895	0.119859
391	314.93	0.063880	0.072272	0.115989
392	329.95	0.068160	0.070789	0.113145
393	344.95	0.068532	0.069599	0.110691
394	360.25	0.067300	0.068382	0.108319

# Mass Point Leak Rate Analysis

Page 1 of 1

Oconee Nuclear Station  
Unit 3 - 9/92

RDG	TIME (MINUTES)	NORM. MASS	MEASURED LEAK (WT %/DAY)	UCL LEAK (WT %/DAY)
370	0.00	1.000000	-	-
371	14.77	0.999995	0.050719	-
372	29.78	0.999970	0.144449	0.602276
373	44.78	0.999983	0.072127	0.213090
374	59.80	0.999969	0.070542	0.135598
375	74.80	0.999948	0.088767	0.133327
376	89.82	0.999952	0.081695	0.112572
377	104.82	0.999925	0.093707	0.119659
378	119.83	0.999922	0.095207	0.114870
379	134.83	0.999915	0.094228	0.109657
380	149.85	0.999916	0.088999	0.102592
381	164.85	0.999896	0.089806	0.101019
382	179.87	0.999895	0.087773	0.097395
383	194.87	0.999891	0.085018	0.093672
384	209.88	0.999879	0.083921	0.091452
385	224.88	0.999870	0.083281	0.089863
386	239.90	0.999876	0.080161	0.086745
387	254.90	0.999857	0.079787	0.085624
388	269.92	0.999863	0.077250	0.083042
389	284.92	0.999864	0.074145	0.080199
390	299.93	0.999864	0.070884	0.077241
391	314.93	0.999860	0.068057	0.074471
392	329.95	0.999844	0.066884	0.072840
393	344.95	0.999836	0.066079	0.071585
394	360.25	0.999832	0.065201	0.070329

# Containment Calculated Values

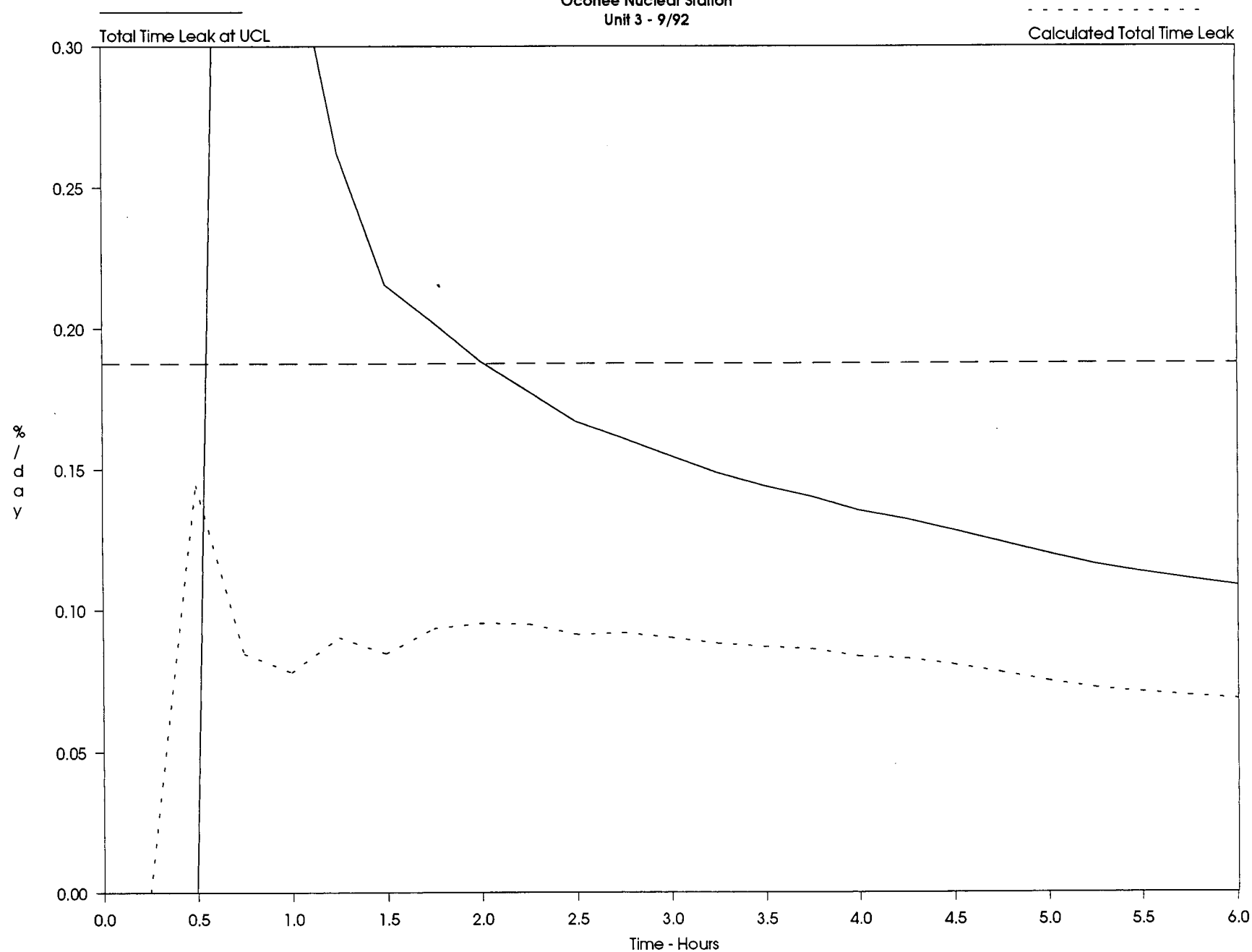
Page 1 of 1

Oconee Nuclear Station  
Unit 3 - 9/92

RDG	TIME	MASS	TEMP	VAPOR PRESS	PRESSURE
370	20:00:33	695254.84	73.386	0.3495	74.0509
371	20:15:19	695251.23	73.385	0.3497	74.0505
372	20:30:20	695234.11	73.387	0.3500	74.0494
373	20:45:20	695243.20	73.390	0.3496	74.0503
374	21:00:21	695233.37	73.390	0.3495	74.0492
375	21:15:21	695218.82	73.396	0.3500	74.0490
376	21:30:22	695221.53	73.395	0.3497	74.0489
377	21:45:22	695202.64	73.403	0.3497	74.0479
378	22:00:23	695200.29	73.407	0.3498	74.0484
379	22:15:23	695195.71	73.412	0.3500	74.0487
380	22:30:24	695196.36	73.415	0.3500	74.0492
381	22:45:24	695182.72	73.418	0.3503	74.0485
382	23:00:25	695181.74	73.424	0.3502	74.0490
383	23:15:25	695179.13	73.424	0.3500	74.0487
384	23:30:26	695170.96	73.429	0.3500	74.0485
385	23:45:26	695164.57	73.435	0.3502	74.0489
386	00:00:27	695168.43	73.439	0.3500	74.0496
387	00:15:27	695155.14	73.444	0.3505	74.0494
388	00:30:28	695159.76	73.447	0.3502	74.0500
389	00:45:28	695160.54	73.447	0.3503	74.0501
390	01:00:29	695160.53	73.451	0.3500	74.0504
391	01:15:29	695157.71	73.453	0.3504	74.0508
392	01:30:30	695146.26	73.462	0.3502	74.0507
393	01:45:30	695140.70	73.464	0.3503	74.0505
394	02:00:48	695137.78	73.471	0.3503	74.0511

# Total Time Leak at UCL & Calculated Total Time Leak

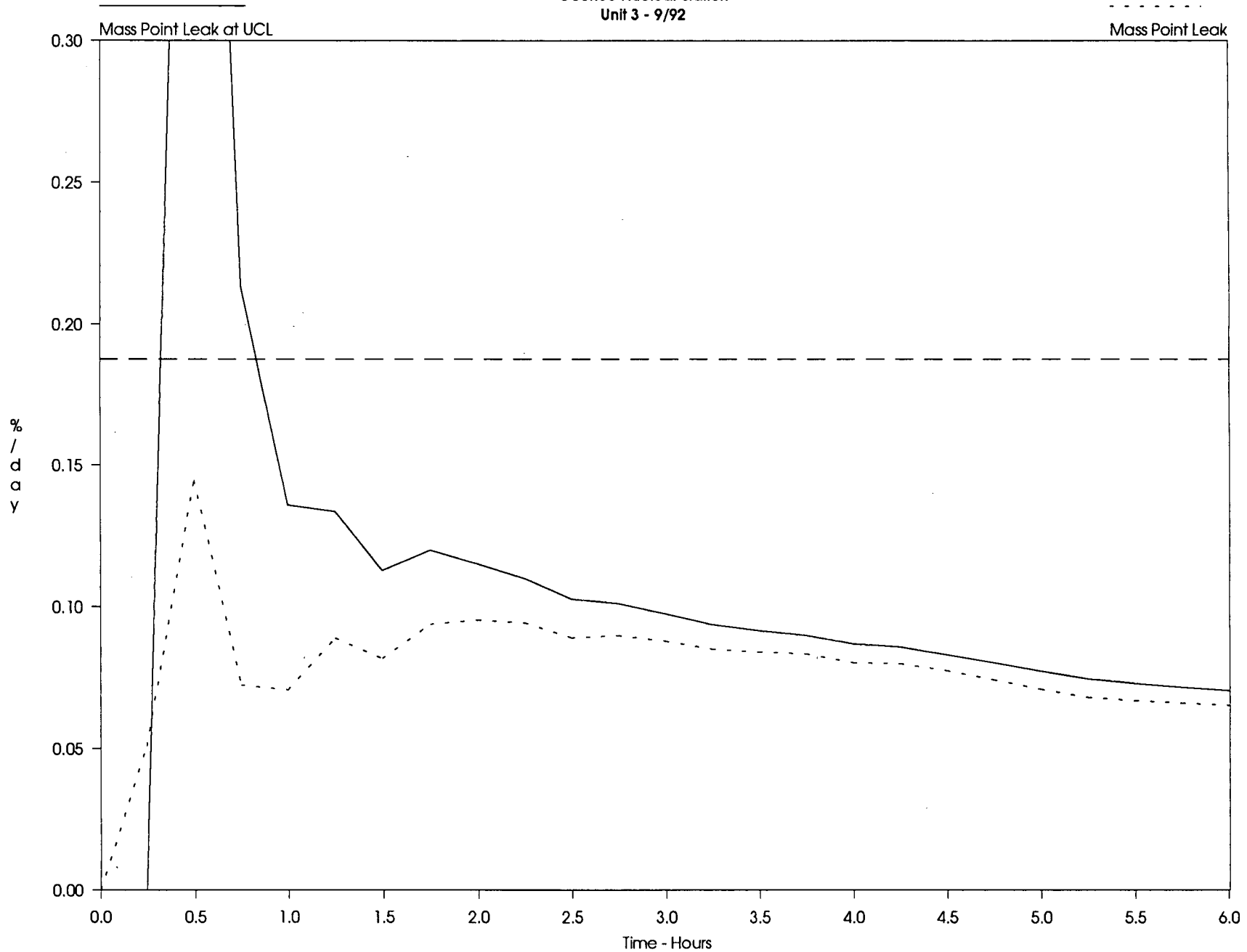
Oconee Nuclear Station  
Unit 3 - 9/92





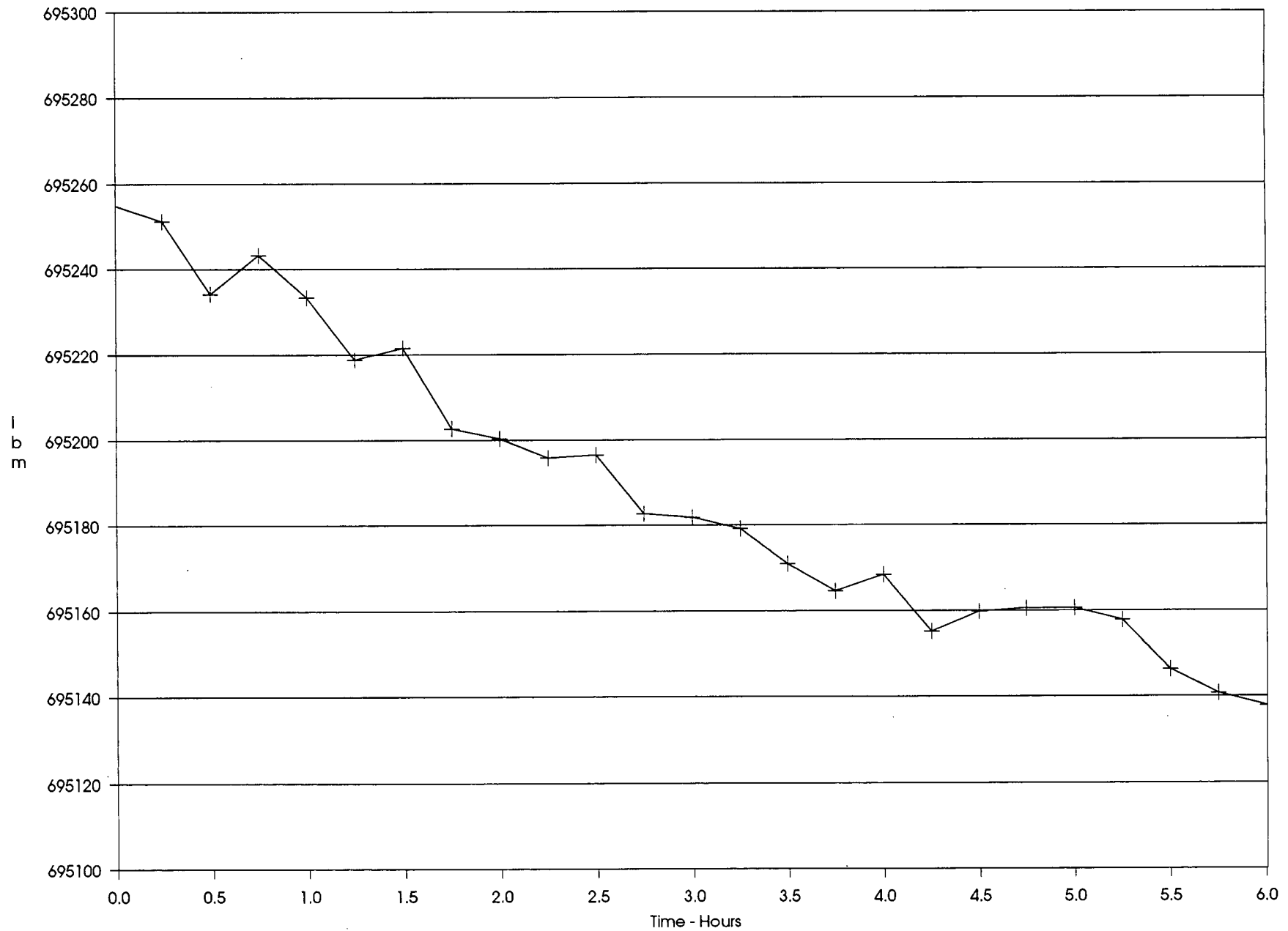
# Mass Point Leak at UCL & Mass Point Leak

Oconee Nuclear Station  
Unit 3 - 9/92



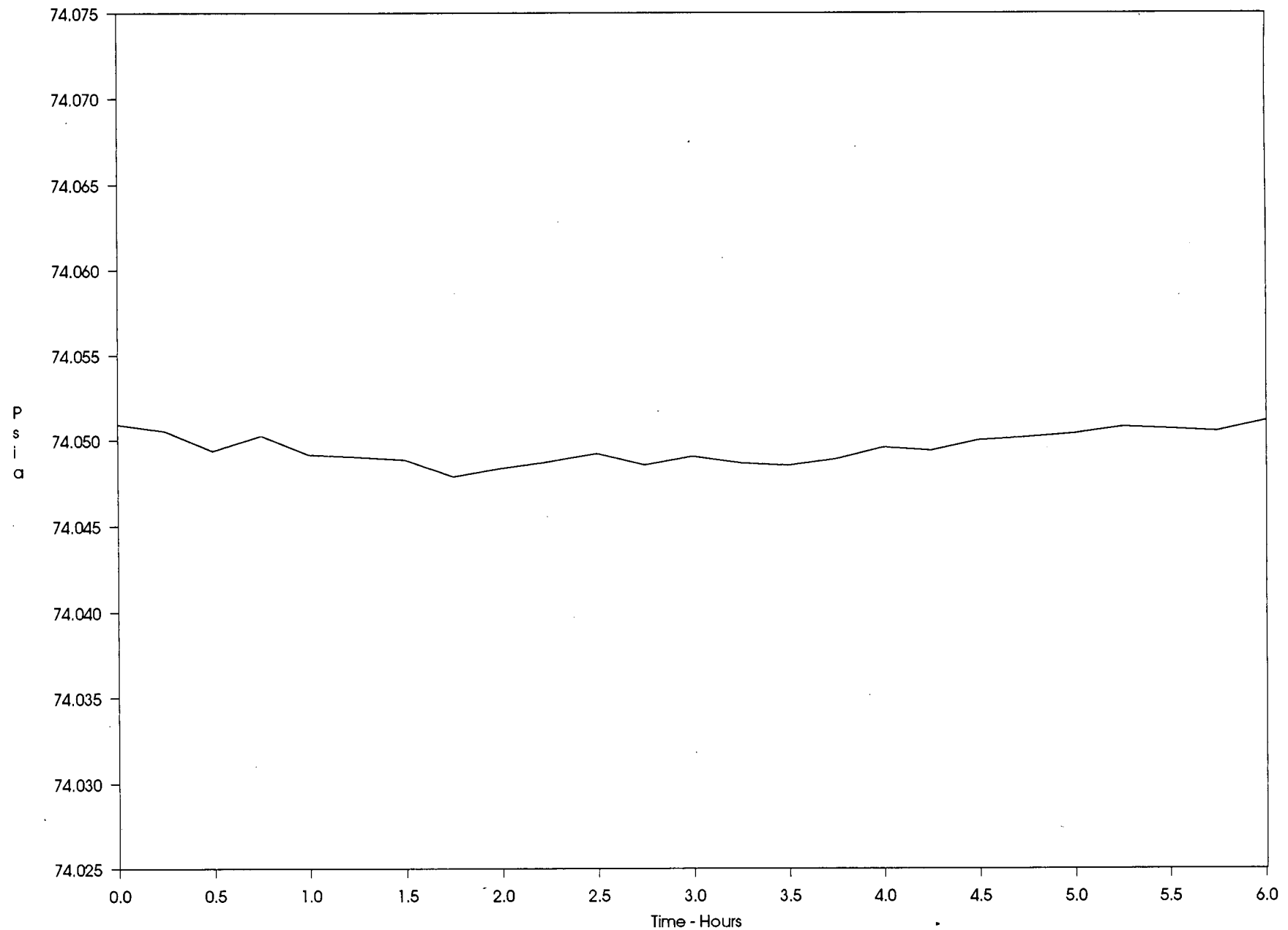
# Containment Mass

Oconee Nuclear Station  
Unit 3 - 9/92



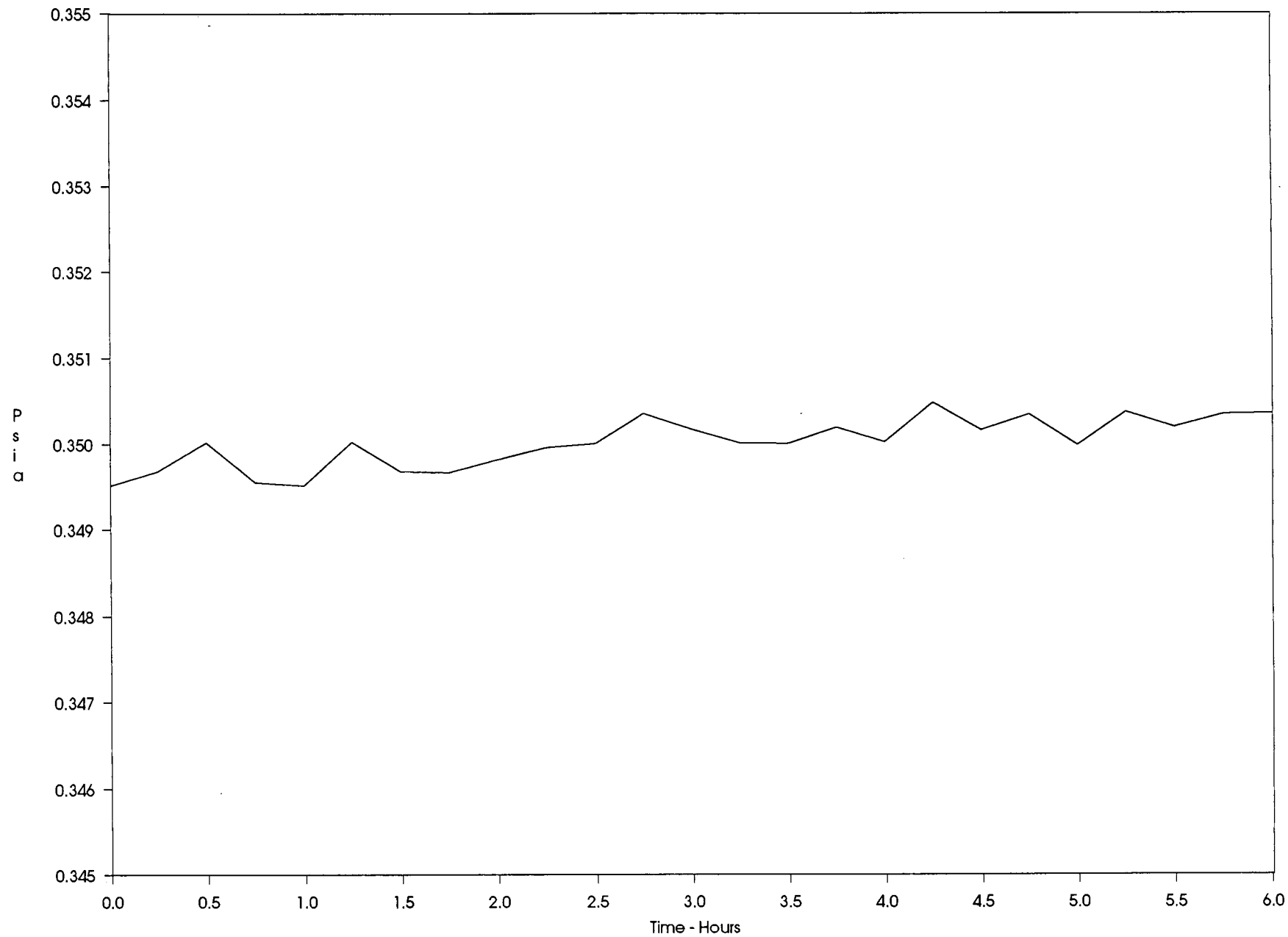
# Average Pressure

Oconee Nuclear Station  
Unit 3 - 9/92



# Average Vapor Pressure

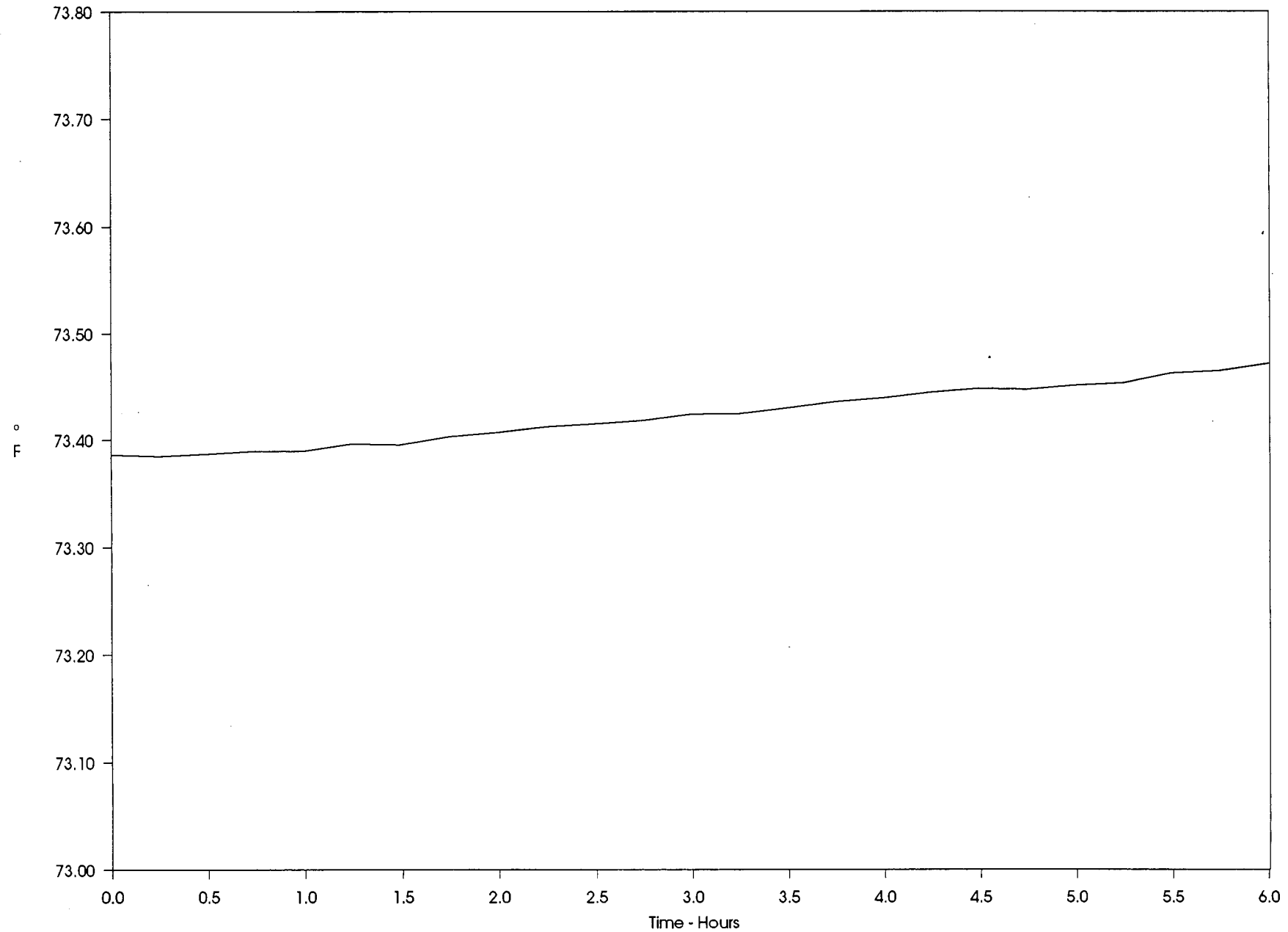
Oconee Nuclear Station  
Unit 3 - 9/92



# Average Temperature

Oconee Nuclear Station

Unit 3 - 9/92



## APPENDIX C

### Verification Controlled Leakage Rate Test Data and Graphs Reading No. 401 to 419

#### Reports:

- Total Time Leak Rate Analysis
- Mass Point Leak Rate Analysis
- Containment Calculated Values by Reading No.

#### Graphs:

- Calculated Total Time Leak
- Mass Point Leak
- Containment Mass
- Average Pressure
- Average Vapor Pressure
- Average Temperature

# Total Time Leak Rate Analysis

Page 1 of 1

Oconee Nuclear Station

Unit 3 - 9/92

RDG %/DAY)	TIME (MINUTES)	MEASURED LEAK (WT %/DAY)	CALCULATED LEAK (WT	UCL LEAK (WT %/DAY)
401	0.00	-	-	-
402	10.00	0.473576	-	-
403	20.02	0.256254	0.256254	-
404	30.02	0.351880	0.299696	1.536884
405	40.03	0.398998	0.350941	0.901241
406	50.03	0.353558	0.347385	0.694841
407	60.03	0.327743	0.332466	0.594278
408	70.05	0.312806	0.317358	0.531780
409	80.05	0.316075	0.309792	0.493990
410	90.05	0.297217	0.298100	0.460939
411	100.07	0.315586	0.296765	0.445357
412	110.07	0.315117	0.296002	0.433585
413	120.07	0.334426	0.301400	0.432706
414	130.08	0.322774	0.302471	0.426505
415	140.08	0.318959	0.302486	0.420026
416	150.08	0.321319	0.303204	0.415364
417	160.10	0.315506	0.302561	0.409690
418	170.10	0.312400	0.301477	0.404096
419	180.10	0.320794	0.302397	0.401505

# Mass Point Leak Rate Analysis

Page 1 of 1

Oconee Nuclear Station

Unit 3 - 9/92

RDG	TIME (MINUTES)	NORM. MASS	MEASURED LEAK (WT %/DAY)	UCL LEAK (WT %/DAY)
401	0.00	1.000000	-	-
402	10.00	0.999967	0.473576	-
403	20.02	0.999964	0.256196	1.328799
404	30.02	0.999927	0.320560	0.518502
405	40.03	0.999889	0.377408	0.497115
406	50.03	0.999877	0.364274	0.437051
407	60.03	0.999863	0.341844	0.397051
408	70.05	0.999848	0.322605	0.367775
409	80.05	0.999824	0.314719	0.349908
410	90.05	0.999814	0.301523	0.332507
411	100.07	0.999781	0.302477	0.327436
412	110.07	0.999759	0.303333	0.323886
413	120.07	0.999721	0.311876	0.331234
414	130.08	0.999708	0.313563	0.330106
415	140.08	0.999690	0.313555	0.327791
416	150.08	0.999665	0.314450	0.326864
417	160.10	0.999649	0.313375	0.324326
418	170.10	0.999631	0.311732	0.321563
419	180.10	0.999599	0.312952	0.321799



# Containment Calculated Values

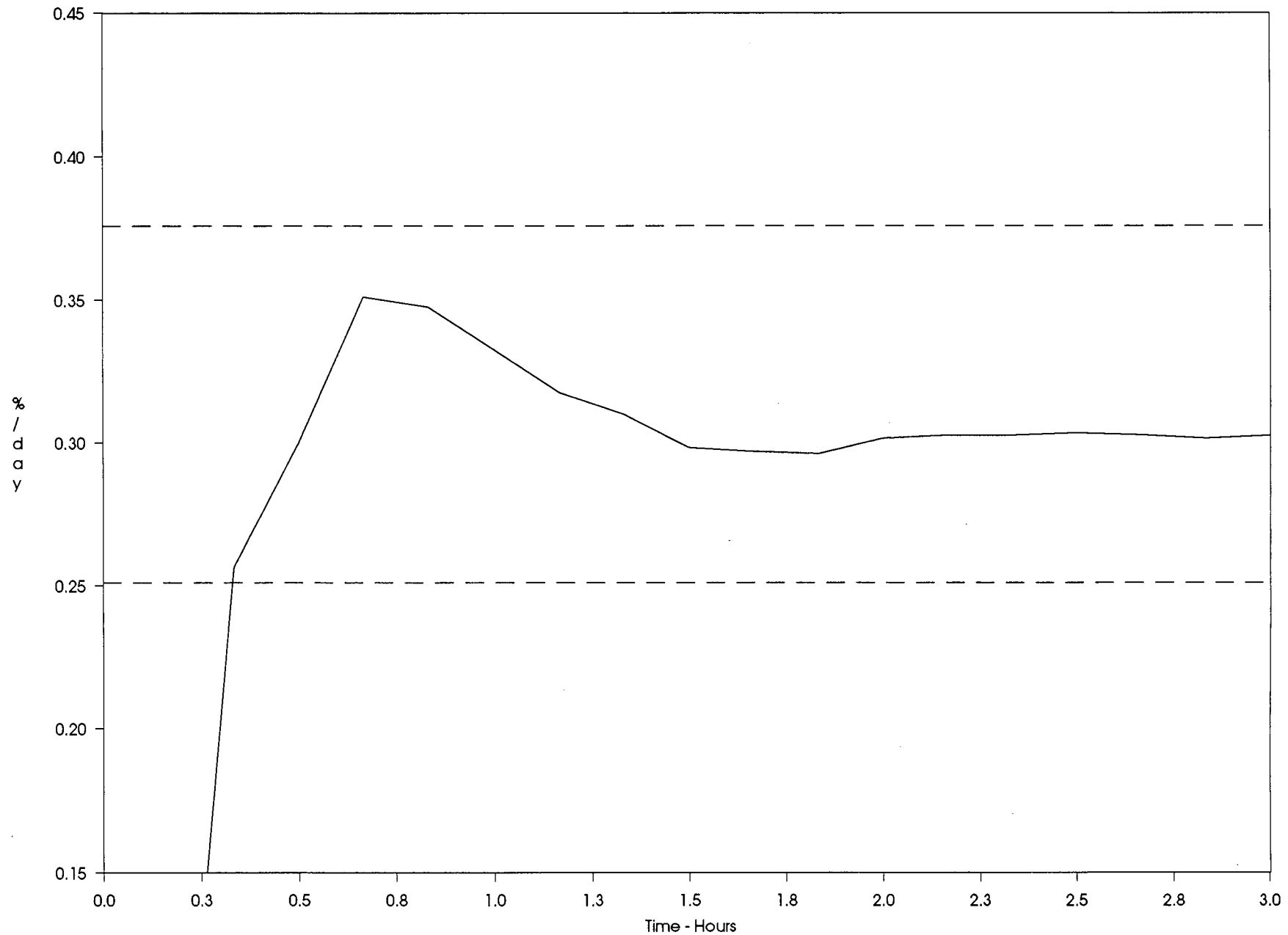
Page 1 of 1

Oconee Nuclear Station  
Unit 3 - 9/92

RDG	TIME	MASS	TEMP	VAPOR PRESS	PRESSURE
401	03:10:58	695015.54	73.485	0.3507	74.0405
402	03:20:58	694992.68	73.491	0.3507	74.0388
403	03:30:59	694990.78	73.488	0.3510	74.0385
404	03:40:59	694964.56	73.498	0.3506	74.0367
405	03:51:00	694938.45	73.506	0.3511	74.0356
406	04:01:00	694930.16	73.499	0.3511	74.0337
407	04:11:00	694920.58	73.503	0.3510	74.0331
408	04:21:01	694909.78	73.502	0.3510	74.0318
409	04:31:01	694893.42	73.505	0.3512	74.0308
410	04:41:01	694886.36	73.507	0.3511	74.0302
411	04:51:02	694863.12	73.515	0.3509	74.0286
412	05:01:02	694848.14	73.517	0.3509	74.0274
413	05:11:02	694821.74	73.523	0.3511	74.0256
414	05:21:03	694812.89	73.522	0.3509	74.0244
415	05:31:03	694799.89	73.525	0.3511	74.0236
416	05:41:03	694782.79	73.527	0.3512	74.0222
417	05:51:04	694771.74	73.532	0.3509	74.0213
418	06:01:04	694759.07	73.530	0.3513	74.0201
419	06:11:04	694736.69	73.535	0.3515	74.0186

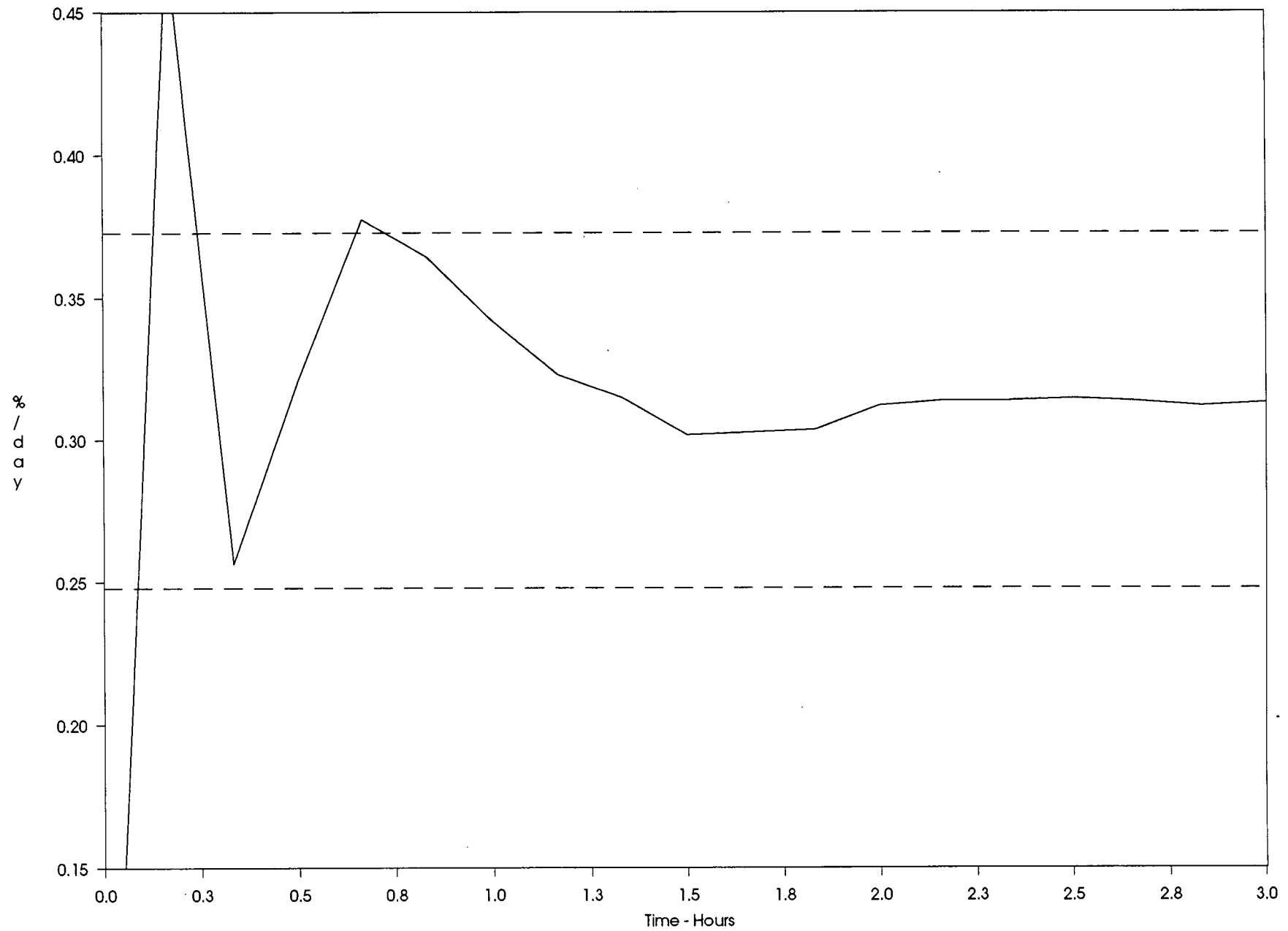
# Calculated Total Time Leak

Oconee Nuclear Station  
Unit 3 - 9/92



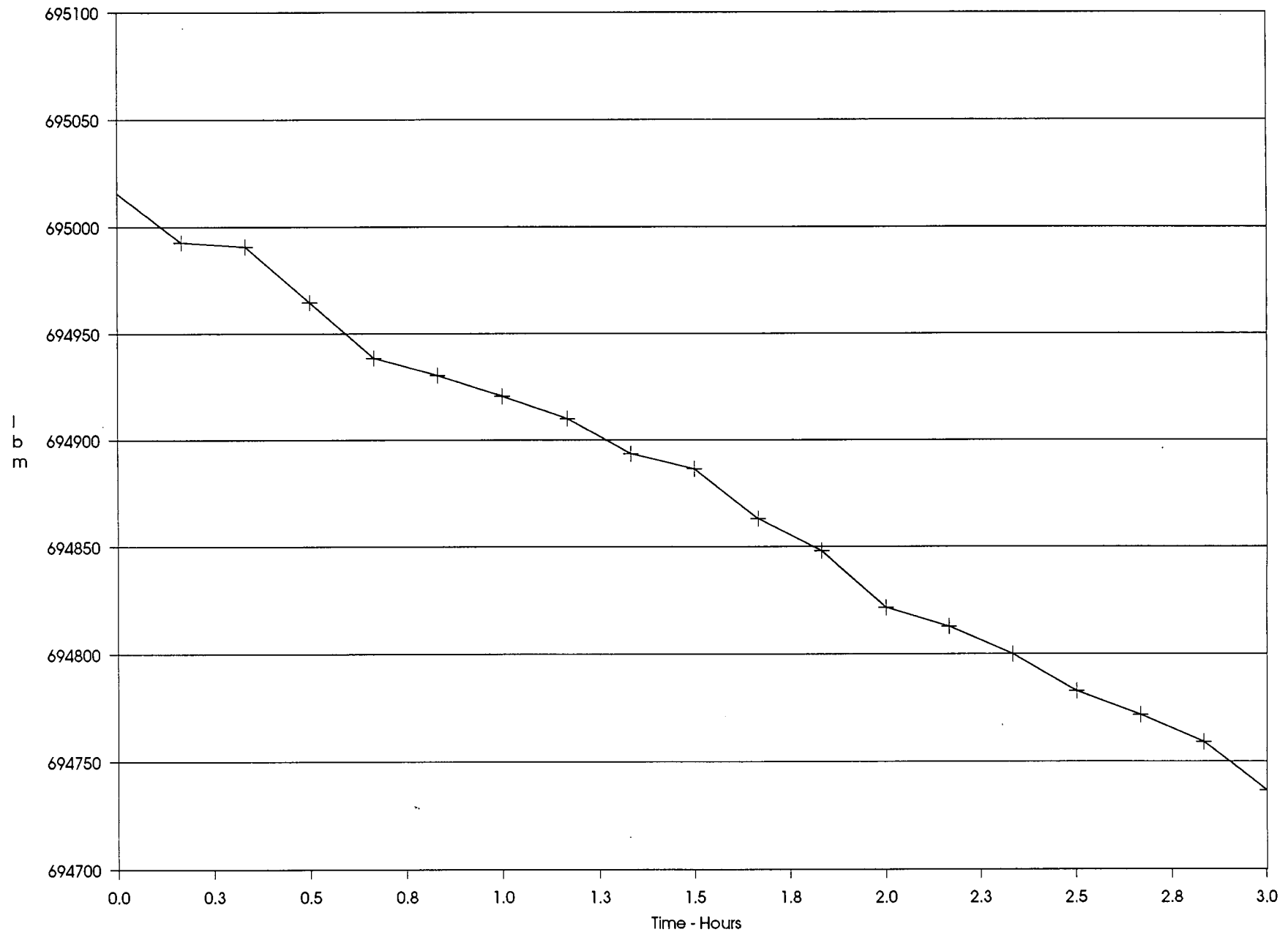
# Mass Point Leak

Oconee Nuclear Station  
Unit 3 - 9/92



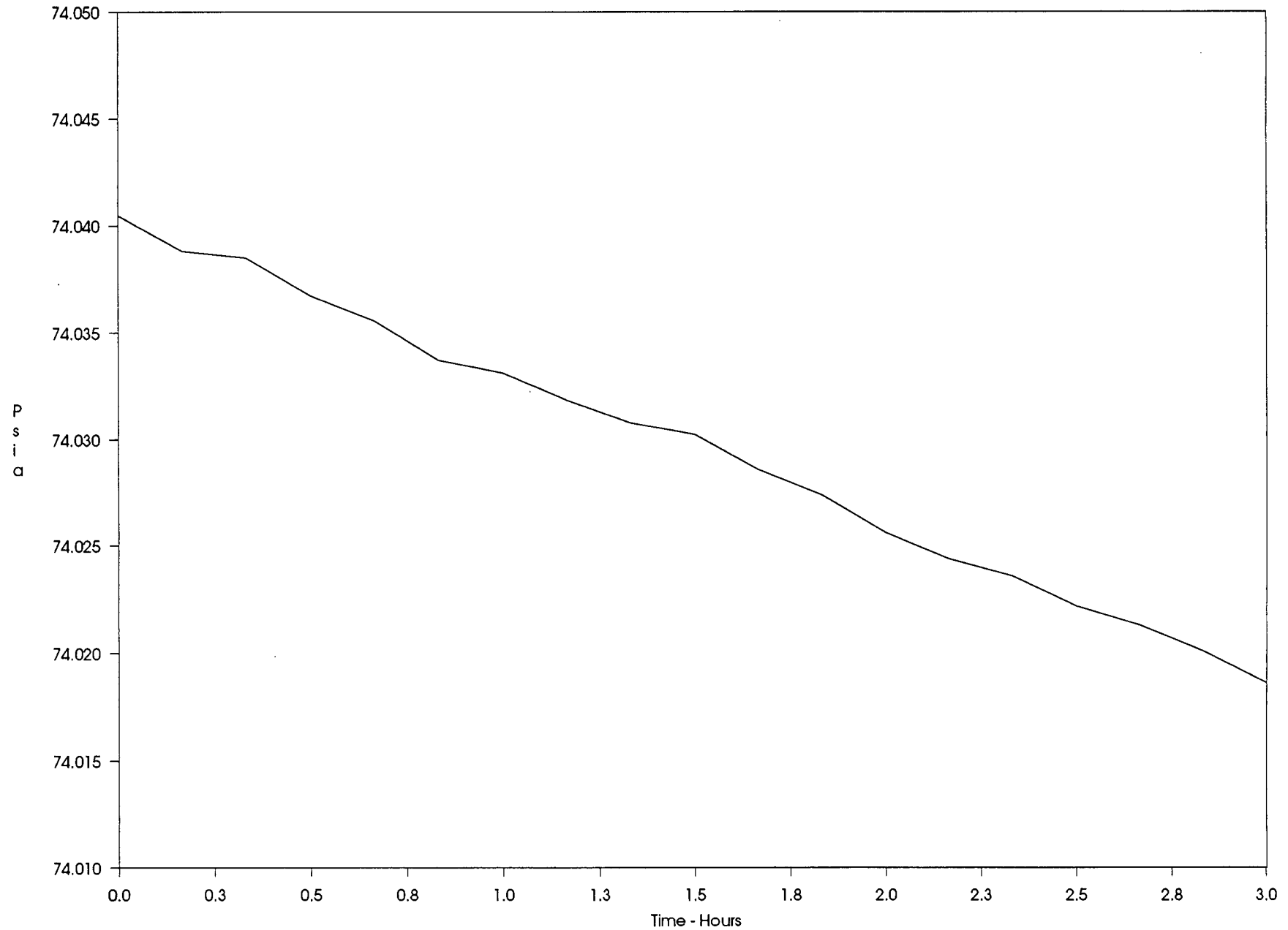
# Containment Mass

Oconee Nuclear Station  
Unit 3 - 9/92



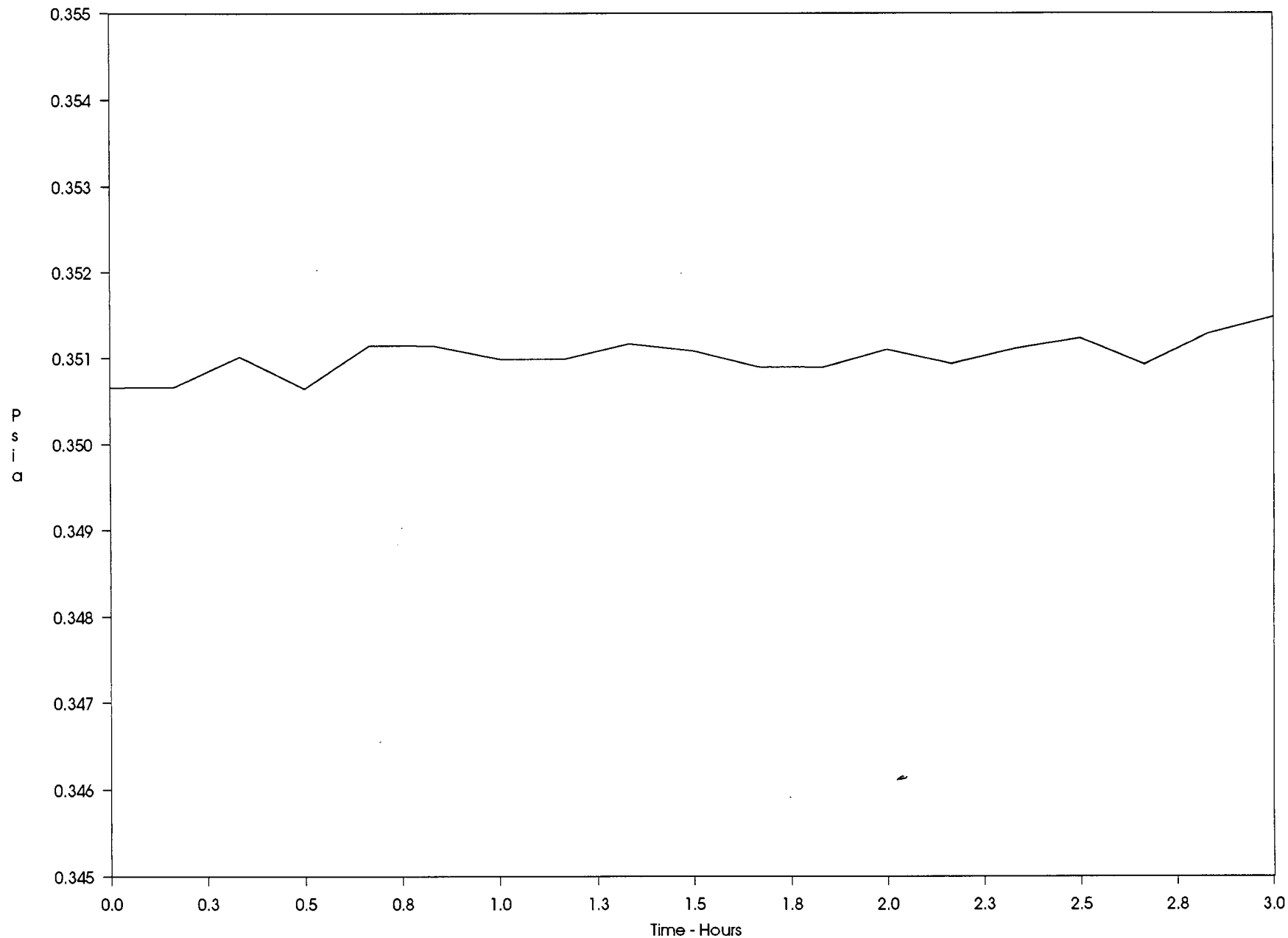
# Average Pressure

Oconee Nuclear Station  
Unit 3 - 9/92



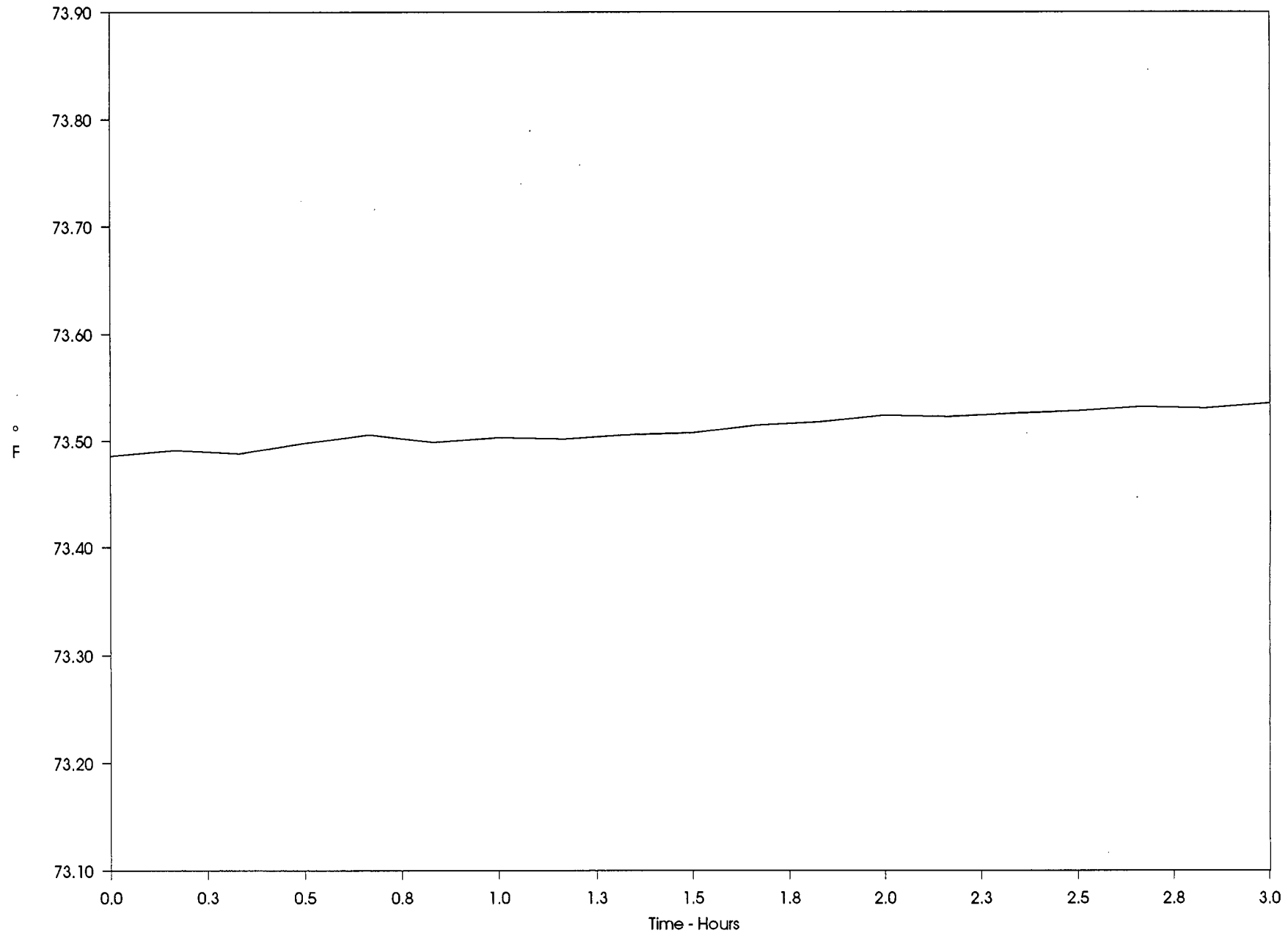
# Average Vapor Pressure

Oconee Nuclear Station  
Unit 3 - 9/92



# Average Temperature

Oconee Nuclear Station  
Unit 3 - 9/92



## **APPENDIX D**

### **Miscellaneous Information**

#### **Graphs:**

- Average Pressure (Chronological Time Sequence)
- Reactor Building Pressure & 'B' Main Steam Header Pressure

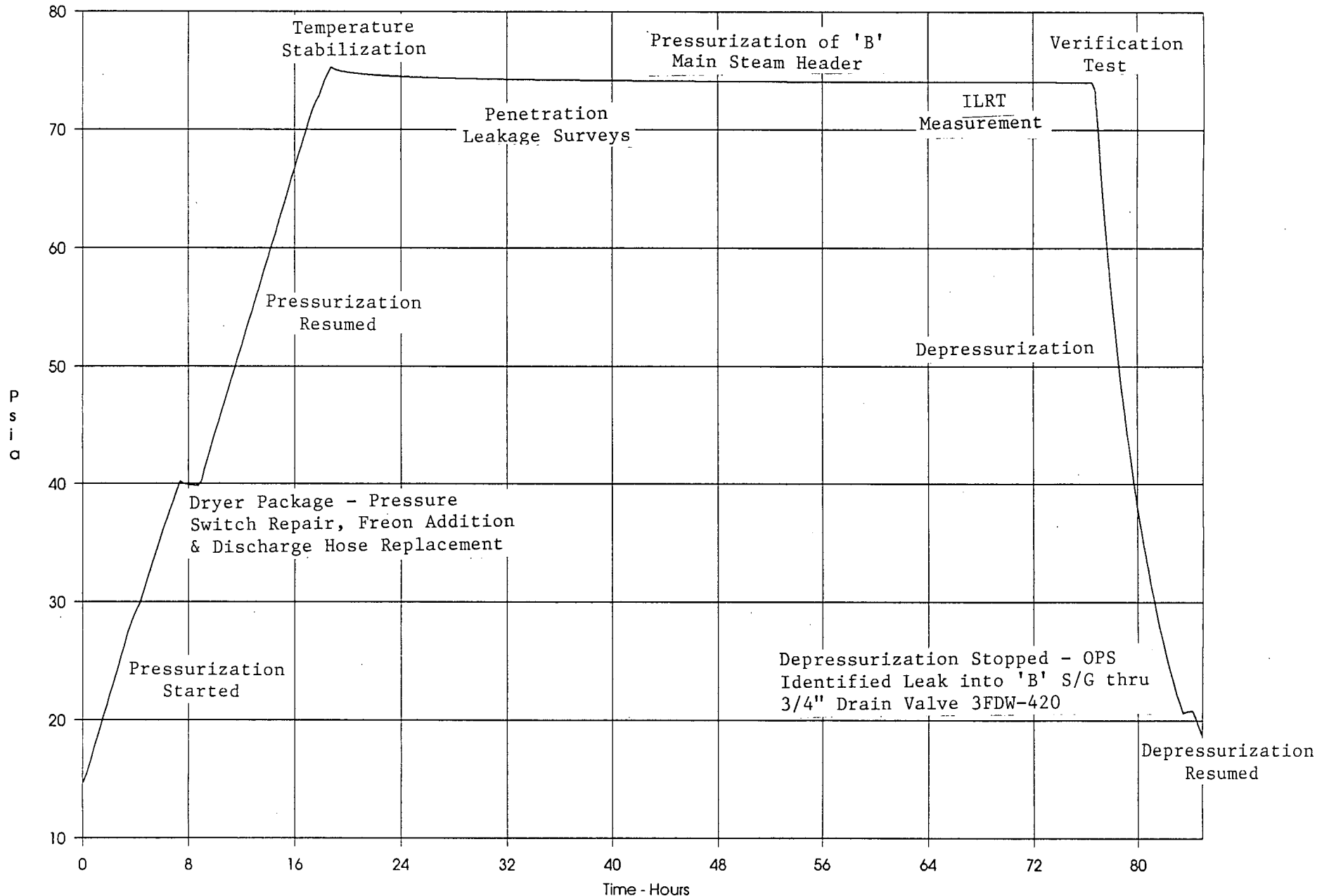
#### **Reports:**

- Configuration Data
- Sensor Information



# Average Pressure

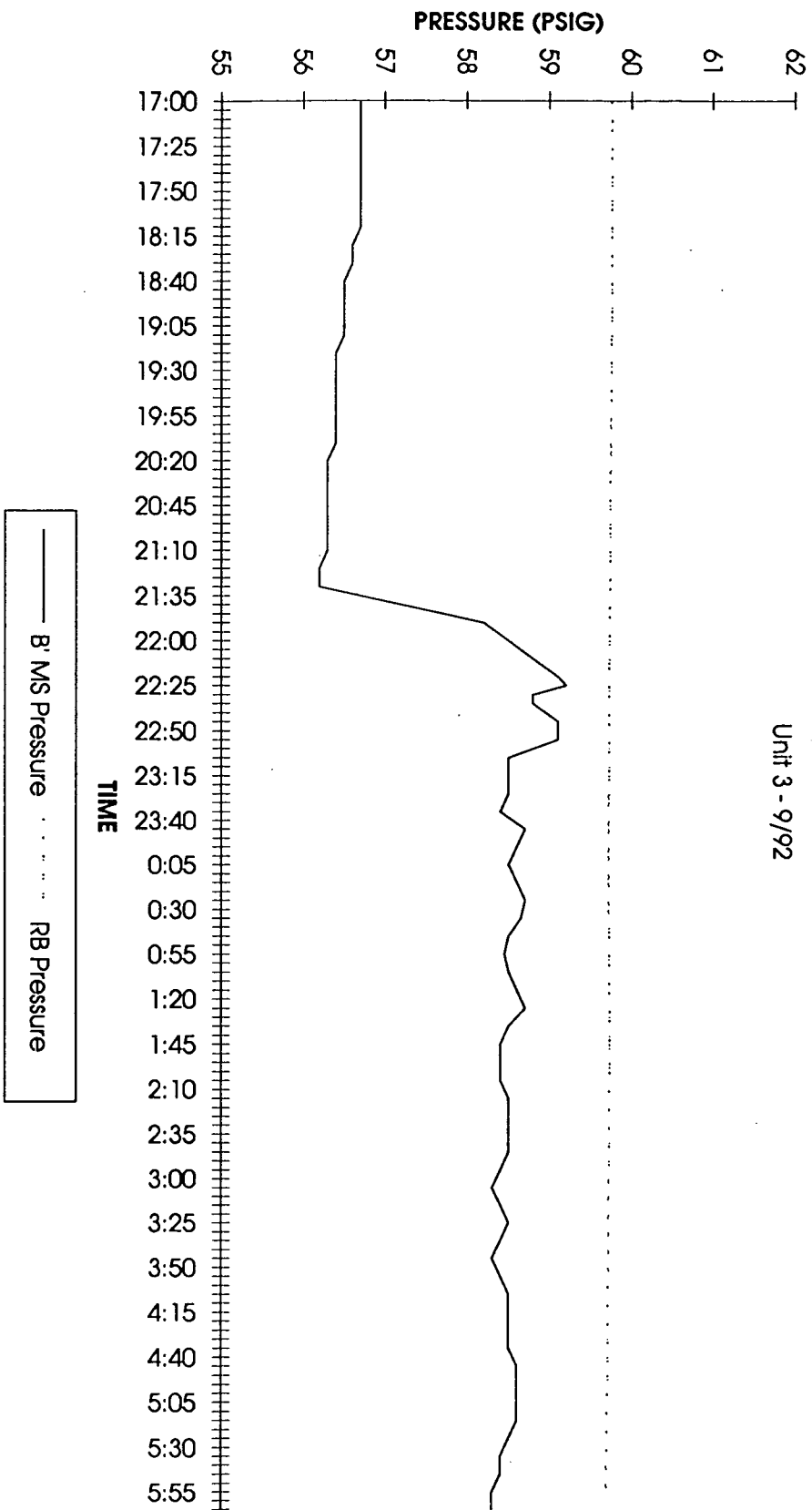
Oconee Nuclear Station  
Unit 3 - 9/92



# RB Pressure & 'B' MS Header Pressure

Oconee Nuclear Station

Unit 3 - 9/92



# Configuration Data

Oconee Nuclear Station  
Unit 3 - 9/92

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Station Name - Oconee Nuclear Station  
Unit Name - Unit 3 - 9/92  
Containment Volume = 1863000.00 cubic feet  
Imposed Leak = 0.24502 %/day  
La (Lt) = 0.250 %/day  
Test Pressure = 59.00 PSIG  
Total # Sensors = 33  
Total # Press. = 3  
Total # Dew Pt. = 6  
Total # Temp. = 24  
Start Temp Stab Rdg = 108, End Temp Stab Rdg = 370  
Start Leak Rate Test Rdg = 370, End Leak Rate Test Rdg = 394  
Start Verif. Test Rdg = 401, End Verif. Test Rdg = 419  
Raw Data File - ONS30992.RDA Test Data File - ONS30992.TDA••

# Sensor Information

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Oconee Nuclear Station  
Unit 3 - 9/92

## Pressures

NUM	CHAN	SERIAL	VOL FRACT	C0	C1	C2	C3	C4
1	1001	OCPRF28346	0.500000	0.0	1.0	-	-	-
2	1002	OCPRF28347	0.500000	0.0	1.0	-	-	-
3	1003	SNPEF40759	0.000000	0.0	1.0	-	-	-

## Dew Points

NUM	CHAN	SERIAL	VOL FRACT	C0	C1	C2	C3	C4
1	1	SNPRF41101	0.150000	0.0	5000.0	-	-	-
2	2	SNPRF41102	0.200000	0.0	5000.0	-	-	-
3	3	SNPRF41103	0.150000	0.0	5000.0	-	-	-
4	4	SNPRF41104	0.150000	0.0	5000.0	-	-	-
5	5	SNPRF41105	0.200000	0.0	5000.0	-	-	-
6	6	SNPRF41106	0.150000	0.0	5000.0	-	-	-

## Temperatures

NUM	CHAN	SERIAL	VOL FRACT	C0	C1	C2	C3	C4
1	20	SNPRF40440	0.030000	-409.37150	4.2280260	0.00189973	-	-
2	21	SNPRF40822	0.020000	-409.27720	4.2258340	0.00188681	-	-
3	22	SNPRF40807	0.020000	-408.27690	4.2068310	0.00198850	-	-
4	23	SNPRF40433	0.050000	-409.49270	4.2269520	0.00188807	-	-
5	24	SNPRF40824	0.020000	-408.99510	4.2135240	0.00198184	-	-
6	25	SNPRF40436	0.030000	-409.12750	4.2195970	0.00192986	-	-
7	26	SNPRF40833	0.010000	-409.84780	4.2349420	0.00184078	-	-
8	27	SNPRF40815	0.080000	-409.89060	4.2247290	0.00196075	-	-
9	28	SNPRF40830	0.075000	-407.98060	4.1976010	0.00201013	-	-
10	29	SNPRF40808	0.075000	-410.28240	4.241670	0.00180186	-	-
11	30	SNPRF40813	0.020000	-407.40160	4.1889750	0.00206610	-	-
12	31	SNPRF40390	0.020000	-409.93460	4.2378190	0.00183979	-	-
13	32	SNPRF40828	0.010000	-409.43920	4.221750	0.00193882	-	-
14	33	SNPRF40825	0.020000	-408.5340	4.2105210	0.00195424	-	-
15	34	SNPRF40387	0.020000	-409.0070	4.2233910	0.00189631	-	-
16	35	SNPRF40435	0.010000	-409.2970	4.2228340	0.00191831	-	-
17	36	SNPRF40806	0.000000	-409.53890	4.2243960	0.00191169	-	-
18	37	SNPRF40812	0.094000	-409.02560	4.2197940	0.00190785	-	-
19	38	SNPRF40831	0.094000	-408.76610	4.2163520	0.00192102	-	-
20	39	SNPRF40835	0.010000	-409.62420	4.22530	0.00191720	-	-
21	40	SNPRF40381	0.010000	-409.62670	4.2339320	0.00184519	-	-
22	41	SNPRF40438	0.094000	-409.16730	4.2223440	0.00191679	-	-
23	42	SNPRF40816	0.094000	-409.73290	4.2313710	0.00186929	-	-
24	43	SNPRF40834	0.094000	-408.62430	4.212490	0.00194031	-	-

## **APPENDIX E**

### **Test Data Summary**

#### **Reports:**

- **Calibrated Instrument Data (by reading number)**

# Calibrated Instrument Data

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Oconee Nuclear Station  
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## Reading # 108 - Sep 08 21:30:34

## Pressures (PSIA)

1.. 3 75.199 75.196 14.35

## Dew Points (°F)

1.. 6 67.897 76.976 67.37 65.991 66.084 66.839

## Temperatures (°F)

1..12	70.374	70.349	73.499	73.584	74.253	74.805	73.895	74.873	74.293	77.148	71.193	69.765
13..24	70.484	73.344	73.205	75.143	77.045	83.872	84.617	74.26	75.042	84.208	84.556	84.921

## Reading # 109 - Sep 08 21:35:13

## Pressures (PSIA)

1.. 3 75.151 75.149 14.352

## Dew Points (°F)

1.. 6 67.815 77.057 67.281 66.46 66.084 66.682

## Temperatures (°F)

1..12	70.142	70.089	73.327	73.334	73.969	74.48	73.65	74.71	74.052	76.963	70.91	69.524
13..24	70.247	73.163	72.945	74.865	76.892	83.514	84.25	74.055	74.624	83.841	84.226	84.568

## Reading # 110 - Sep 08 21:40:21

## Pressures (PSIA)

1.. 3 75.107 75.106 14.353

## Dew Points (°F)

1.. 6 67.737 77.135 67.125 66.302 66.081 66.603

## Temperatures (°F)

1..12	69.929	69.871	73.16	73.074	73.7	74.22	73.441	74.515	73.881	76.736	70.627	69.246
13..24	70.029	73.01	72.751	74.6	76.655	83.134	83.837	73.879	74.337	83.441	83.817	84.104

## Reading # 111 - Sep 08 21:45:21

## Pressures (PSIA)

1.. 3 75.072 75.07 14.352

## Dew Points (°F)

1.. 6 67.664 76.742 66.964 66.615 66.006 66.603

## Temperatures (°F)

1..12	69.776	69.709	73.063	72.921	73.537	74.067	73.311	74.384	73.76	76.518	70.409	69.052
13..24	69.853	72.889	72.635	74.438	76.502	82.832	83.48	73.805	74.152	83.074	83.436	83.691

## Reading # 112 - Sep 08 21:50:21

## Pressures (PSIA)

1.. 3 75.04 75.038 14.352

## Dew Points (°F)

1.. 6 67.346 76.661 66.885 66.851 66.006 66.524

## Temperatures (°F)

1..12	69.65	69.598	72.993	72.824	73.435	73.932	73.209	74.38	73.667	76.36	70.256	68.926
13..24	69.723	72.797	72.542	74.35	76.367	82.525	83.15	73.702	74.003	82.739	83.111	83.333

# Calibrated Instrument Data

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## Reading # 113 - Sep 08 21:55:21

## Pressures (PSIA)

1.. 3 75.011 75.01 14.353

## Dew Points (°F)

1.. 6 67.506 76.119 66.888 67.005 65.927 66.521

## Temperatures (°F)

1..12	69.553	69.501	72.928	72.736	73.361	73.835	73.121	74.259	73.602	76.207	70.103	68.829
13..24	69.602	72.709	72.454	74.275	76.214	82.2	82.844	73.647	73.892	82.456	82.818	82.985

## Reading # 114 - Sep 08 22:00:21

## Pressures (PSIA)

1.. 3 74.986 74.985 14.352

## Dew Points (°F)

1.. 6 67.27 75.879 66.888 67.005 65.926 66.521

## Temperatures (°F)

1..12	69.469	69.403	72.863	72.657	73.273	73.737	73.061	74.194	73.561	76.059	69.974	68.746
13..24	69.481	72.634	72.357	74.196	76.117	81.885	82.551	73.596	73.785	82.182	82.567	82.706

## Reading # 115 - Sep 08 22:05:22

## Pressures (PSIA)

1.. 3 74.963 74.96 14.352

## Dew Points (°F)

1.. 6 67.11 75.644 66.888 66.929 65.847 66.599

## Temperatures (°F)

1..12	69.404	69.334	72.812	72.583	73.184	73.682	72.991	74.175	73.538	75.929	69.885	68.676
13..24	69.407	72.583	72.301	74.131	76.001	81.611	82.291	73.54	73.697	81.921	82.316	82.432

## Reading # 116 - Sep 08 22:10:22

## Pressures (PSIA)

1.. 3 74.941 74.938 14.352

## Dew Points (°F)

1.. 6 67.113 75.489 66.885 67.084 65.848 66.679

## Temperatures (°F)

1..12	69.349	69.273	72.756	72.532	73.119	73.621	72.94	74.217	73.473	75.832	69.802	68.625
13..24	69.333	72.528	72.236	74.076	75.806	81.374	82.031	73.484	73.623	81.726	82.089	82.205

## Reading # 117 - Sep 08 22:14:50

## Pressures (PSIA)

1.. 3 74.923 74.921 14.353

## Dew Points (°F)

1.. 6 67.189 75.41 66.961 67.159 65.766 66.679

## Temperatures (°F)

1..12	69.293	69.209	72.724	72.476	73.087	73.566	72.894	74.129	73.454	75.743	69.746	68.593
13..24	69.277	72.472	72.194	74.043	75.703	81.156	81.827	73.461	73.567	81.54	81.903	82

# Calibrated Instrument Data

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Reading # 118 - Sep 08 22:19:50

Pressures (PSIA)

1.. 3 74.903 74.902 14.353

Dew Points (°F)

1.. 6 67.037 75.568 66.964 67.242 65.769 66.682

Temperatures (°F)

1..12 69.247 69.172 72.687 72.43 73.04 73.519 72.871 74.138 73.436 75.641 69.686 68.565  
13..24 69.231 72.435 72.125 74.006 75.624 80.947 81.651 73.429 73.493 81.345 81.708 81.792

Reading # 119 - Sep 08 22:24:50

Pressures (PSIA)

1.. 3 74.887 74.884 14.354

Dew Points (°F)

1.. 6 67.113 75.177 67.046 67.242 65.691 66.679

Temperatures (°F)

1..12 69.205 69.116 72.645 72.374 72.998 73.463 72.838 74.082 73.371 75.535 69.63 68.532  
13..24 69.184 72.393 72.069 73.964 75.583 80.77 81.465 73.415 73.438 81.159 81.513 81.587

Reading # 120 - Sep 08 22:29:50

Pressures (PSIA)

1.. 3 74.87 74.866 14.353

Dew Points (°F)

1.. 6 67.11 74.463 67.043 67.32 65.694 66.761

Temperatures (°F)

1..12 69.154 69.056 72.613 72.314 72.947 73.412 72.797 74.077 73.375 75.419 69.57 68.481  
13..24 69.124 72.333 72.023 73.923 75.481 80.594 81.302 73.377 73.391 81.015 81.345 81.411

Reading # 121 - Sep 08 22:35:16

Pressures (PSIA)

1.. 3 74.852 74.85 14.353

Dew Points (°F)

1.. 6 67.191 73.994 67.118 67.002 65.691 66.678

Temperatures (°F)

1..12 69.112 69 72.571 72.267 72.901 73.38 72.755 74.012 73.343 75.377 69.51 68.454  
13..24 69.078 72.291 71.977 73.895 75.411 80.408 81.14 73.336 73.34 80.834 81.164 81.216

Reading # 122 - Sep 08 22:40:24

Pressures (PSIA)

1.. 3 74.837 74.835 14.353

Dew Points (°F)

1.. 6 67.113 74.62 67.203 67.316 65.614 66.678

Temperatures (°F)

1..12 69.07 68.963 72.548 72.235 72.868 73.343 72.727 74.017 73.306 75.335 69.468 68.435  
13..24 69.045 72.25 71.93 73.858 75.332 80.251 80.987 73.308 73.285 80.695 81.002 81.053



# Calibrated Instrument Data

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## Reading # 123 - Sep 08 22:45:24

														Pressures (PSIA)	
1.. 3	74.823	74.821	14.352												
														Dew Points (°F)	
1.. 6	67.191	75.025	67.2	67.474	65.691	66.76									
														Temperatures (°F)	
1..12	69.043	68.921	72.51	72.198	72.845	73.31	72.695	73.994	73.297	75.252	69.426	68.412			
13..24	69.013	72.217	71.907	73.811	75.332	80.097	80.834	73.294	73.243	80.565	80.862	80.914			

## Reading # 124 - Sep 08 22:50:24

														Pressures (PSIA)	
1.. 3	74.81	74.808	14.354												
														Dew Points (°F)	
1.. 6	67.346	74.784	67.281	67.625	65.614	66.678									
														Temperatures (°F)	
1..12	69.015	68.88	72.483	72.151	72.794	73.273	72.667	73.989	73.269	75.145	69.376	68.375			
13..24	68.971	72.171	71.861	73.783	75.239	79.954	80.708	73.247	73.206	80.43	80.714	80.78			

## Reading # 125 - Sep 08 22:55:24

														Pressures (PSIA)	
1.. 3	74.797	74.795	14.353												
														Dew Points (°F)	
1.. 6	67.427	75.331	67.278	67.786	65.612	66.76									
														Temperatures (°F)	
1..12	68.968	68.861	72.459	72.119	72.762	73.241	72.648	73.891	73.246	75.081	69.343	68.352			
13..24	68.939	72.138	71.828	73.751	75.239	79.824	80.578	73.215	73.15	80.309	80.598	80.65			

## Reading # 126 - Sep 08 23:00:25

														Pressures (PSIA)	
1.. 3	74.786	74.783	14.353												
														Dew Points (°F)	
1.. 6	67.346	74.953	67.278	67.783	65.614	66.763									
														Temperatures (°F)	
1..12	68.936	68.829	72.441	72.086	72.729	73.227	72.625	73.826	73.259	74.974	69.315	68.333			
13..24	68.906	72.106	71.782	73.728	75.142	79.694	80.458	73.201	73.113	80.174	80.449	80.51			

## Reading # 127 - Sep 08 23:05:25

														Pressures (PSIA)	
1.. 3	74.773	74.77	14.353												
														Dew Points (°F)	
1.. 6	67.421	74.854	67.363	68.095	65.614	66.76									
														Temperatures (°F)	
1..12	68.913	68.796	72.418	72.054	72.697	73.194	72.593	73.868	73.269	74.932	69.278	68.319			
13..24	68.874	72.073	71.763	73.7	75.188	79.573	80.337	73.192	73.067	80.063	80.342	80.39			

# Calibrated Instrument Data

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Reading # 128 - Sep 08 23:10:25

## Pressures (PSIA)

1.. 3 74.762 74.759 14.354

## Dew Points (°F)

1.. 6 67.506 74.947 67.364 67.862 65.612 66.761

## Temperatures (°F)

1..12	68.899	68.778	72.404	72.017	72.673	73.18	72.588	73.798	73.273	74.849	69.255	68.305
13..24	68.85	72.055	71.745	73.681	75.095	79.462	80.249	73.155	73.044	79.975	80.24	80.278

Reading # 129 - Sep 08 23:15:25

## Pressures (PSIA)

1.. 3 74.751 74.749 14.356

## Dew Points (°F)

1.. 6 67.58 75.48 67.439 67.938 65.539 66.763

## Temperatures (°F)

1..12	68.866	68.759	72.371	71.994	72.627	73.148	72.565	73.821	73.232	74.798	69.223	68.282
13..24	68.827	72.022	71.703	73.649	75.007	79.35	80.151	73.145	73.011	79.863	80.138	80.181

Reading # 130 - Sep 08 23:20:25

## Pressures (PSIA)

1.. 3 74.74 74.738 14.357

## Dew Points (°F)

1.. 6 67.579 74.775 67.439 67.783 65.612 66.766

## Temperatures (°F)

1..12	68.839	68.731	72.357	71.957	72.599	73.12	72.537	73.817	73.181	74.756	69.195	68.264
13..24	68.799	71.995	71.675	73.63	74.97	79.234	80.035	73.117	72.979	79.766	80.031	80.074

Reading # 131 - Sep 08 23:25:25

## Pressures (PSIA)

1.. 3 74.73 74.728 14.357

## Dew Points (°F)

1.. 6 67.582 74.693 67.515 67.937 65.539 66.76

## Temperatures (°F)

1..12	68.815	68.722	72.334	71.933	72.58	73.097	72.505	73.794	73.125	74.756	69.172	68.245
13..24	68.767	71.985	71.652	73.621	74.858	79.128	79.947	73.094	72.946	79.677	79.957	79.977

Reading # 132 - Sep 08 23:30:26

## Pressures (PSIA)

1.. 3 74.721 74.718 14.356

## Dew Points (°F)

1.. 6 67.655 74.379 67.513 68.02 65.539 66.763

## Temperatures (°F)

1..12	68.797	68.685	72.32	71.901	72.557	73.078	72.486	73.747	73.116	74.626	69.148	68.236
13..24	68.734	71.944	71.624	73.602	74.84	79.039	79.85	73.085	72.914	79.594	79.859	79.879

# Calibrated Instrument Data

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Reading # 133 - Sep 08 23:35:26

## Pressures (PSIA)

1.. 3 74.712 74.709 14.355

## Dew Points (°F)

1.. 6 67.658 74.694 67.513 68.02 65.614 66.761

## Temperatures (°F)

1..12 68.774 68.667 72.302 71.878 72.525 73.055 72.472 73.705 73.148 74.571 69.116 68.213  
13..24 68.725 71.911 71.596 73.556 74.84 78.942 79.766 73.085 72.881 79.515 79.771 79.791

Reading # 134 - Sep 08 23:40:26

## Pressures (PSIA)

1.. 3 74.703 74.7 14.356

## Dew Points (°F)

1.. 6 67.737 74.696 67.588 68.019 65.539 66.76

## Temperatures (°F)

1..12 68.755 68.643 72.278 71.845 72.501 73.032 72.454 73.761 73.093 74.571 69.097 68.199  
13..24 68.702 71.888 71.578 73.556 74.738 78.858 79.678 73.039 72.844 79.422 79.678 79.698

Reading # 135 - Sep 08 23:45:26

## Pressures (PSIA)

1.. 3 74.694 74.692 14.356

## Dew Points (°F)

1.. 6 67.73 74.947 67.591 68.092 65.536 66.763

## Temperatures (°F)

1..12 68.732 68.634 72.269 71.827 72.483 73 72.44 73.696 73.074 74.487 69.074 68.189  
13..24 68.679 71.865 71.555 73.533 74.761 78.761 79.59 73.039 72.83 79.348 79.604 79.61

Reading # 136 - Sep 08 23:50:26

## Pressures (PSIA)

1.. 3 74.684 74.682 14.356

## Dew Points (°F)

1.. 6 67.813 75.096 67.667 68.334 65.539 66.761

## Temperatures (°F)

1..12 68.727 68.616 72.255 71.808 72.455 72.995 72.426 73.645 73.079 74.492 69.06 68.176  
13..24 68.674 71.851 71.541 73.51 74.715 78.691 79.52 73.039 72.807 79.278 79.52 79.54

Reading # 137 - Sep 08 23:55:27

## Pressures (PSIA)

1.. 3 74.677 74.674 14.357

## Dew Points (°F)

1.. 6 67.81 75.323 67.591 68.25 65.536 66.761

## Temperatures (°F)

1..12 68.704 68.597 72.232 71.799 72.432 72.976 72.403 73.724 73.06 74.45 69.037 68.166  
13..24 68.655 71.828 71.518 73.486 74.691 78.613 79.437 73.015 72.77 79.19 79.455 79.466

# Calibrated Instrument Data

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Reading # 138 - Sep 09 00:00:27

Pressures (PSIA)

1.. 3 74.667 74.666 14.356

Dew Points (°F)

1.. 6 67.885 75.477 67.67 68.331 65.536 66.833

Temperatures (°F)

1..12 68.676 68.569 72.204 71.771 72.404 72.948 72.389 73.673 73.051 74.399 69.019 68.148  
13..24 68.623 71.814 71.49 73.468 74.64 78.52 79.363 73.006 72.747 79.12 79.372 79.383

Reading # 139 - Sep 09 00:05:27

Pressures (PSIA)

1.. 3 74.661 74.658 14.357

Dew Points (°F)

1.. 6 67.888 75.323 67.667 68.02 65.452 66.833

Temperatures (°F)

1..12 68.662 68.56 72.204 71.739 72.385 72.925 72.366 73.663 73.074 74.357 69 68.139  
13..24 68.604 71.791 71.471 73.449 74.612 78.464 79.288 72.987 72.733 79.032 79.297 79.308

Reading # 140 - Sep 09 00:10:27

Pressures (PSIA)

1.. 3 74.653 74.65 14.356

Dew Points (°F)

1.. 6 67.888 75.169 67.667 68.25 65.454 66.836

Temperatures (°F)

1..12 68.653 68.541 72.186 71.725 72.367 72.911 72.347 73.645 73.06 74.274 68.982 68.134  
13..24 68.586 71.786 71.453 73.421 74.561 78.385 79.219 72.969 72.724 78.99 79.232 79.23

Reading # 141 - Sep 09 00:14:49

Pressures (PSIA)

1.. 3 74.646 74.644 14.356

Dew Points (°F)

1.. 6 67.97 75.09 67.67 68.174 65.454 66.836

Temperatures (°F)

1..12 68.639 68.532 72.167 71.702 72.344 72.888 72.338 73.594 73.037 74.362 68.972 68.12  
13..24 68.577 71.777 71.444 73.421 74.529 78.334 79.163 72.96 72.701 78.925 79.177 79.179

Reading # 142 - Sep 09 00:19:49

Pressures (PSIA)

1.. 3 74.64 74.636 14.355

Dew Points (°F)

1.. 6 67.97 75.014 67.745 68.174 65.454 66.833

Temperatures (°F)

1..12 68.616 68.518 72.153 71.688 72.311 72.879 72.315 73.617 72.981 74.297 68.958 68.111  
13..24 68.567 71.763 71.42 73.421 74.496 78.265 79.098 72.936 72.696 78.865 79.121 79.118

# Calibrated Instrument Data

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Reading # 143 - Sep 09 00:24:49

## Pressures (PSIA)

1.. 3 74.633 74.63 14.355

## Dew Points (°F)

1.. 6 67.967 75.014 67.745 68.249 65.454 66.833

## Temperatures (°F)

1..12	68.607	68.5	72.135	71.669	72.292	72.865	72.296	73.57	73.023	74.191	68.94	68.088
13..24	68.544	71.754	71.397	73.389	74.529	78.19	79.033	72.918	72.673	78.8	79.065	79.053

Reading # 144 - Sep 09 00:29:49

## Pressures (PSIA)

1.. 3 74.627 74.623 14.356

## Dew Points (°F)

1.. 6 67.964 75.087 67.745 68.17 65.451 66.833

## Temperatures (°F)

1..12	68.597	68.486	72.121	71.66	72.269	72.846	72.296	73.58	72.981	74.177	68.931	68.078
13..24	68.521	71.74	71.388	73.366	74.478	78.139	78.977	72.918	72.654	78.758	79	78.988

Reading # 145 - Sep 09 00:35:15

## Pressures (PSIA)

1.. 3 74.619 74.616 14.358

## Dew Points (°F)

1.. 6 68.042 75.017 67.827 68.17 65.454 66.833

## Temperatures (°F)

1..12	68.584	68.463	72.098	71.637	72.237	72.819	72.273	73.635	72.916	74.135	68.907	68.064
13..24	68.498	71.717	71.365	73.342	74.431	78.06	78.913	72.904	72.626	78.674	78.931	78.919

Reading # 146 - Sep 09 00:40:14

## Pressures (PSIA)

1.. 3 74.613 74.609 14.359

## Dew Points (°F)

1.. 6 68.042 75.017 67.742 68.334 65.457 66.833

## Temperatures (°F)

1..12	68.56	68.444	72.098	71.613	72.214	72.809	72.259	73.589	72.935	74.167	68.884	68.055
13..24	68.488	71.707	71.342	73.319	74.473	78.014	78.848	72.904	72.622	78.637	78.87	78.858

Reading # 147 - Sep 09 00:50:54

## Pressures (PSIA)

1.. 3 74.599 74.596 14.36

## Dew Points (°F)

1.. 6 68.124 74.848 67.821 68.249 65.454 66.911

## Temperatures (°F)

1..12	68.528	68.412	72.065	71.581	72.172	72.777	72.227	73.58	72.879	74.135	68.861	68.032
13..24	68.456	71.675	71.286	73.315	74.376	77.875	78.727	72.881	72.589	78.507	78.749	78.738

# Calibrated Instrument Data

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Reading # 148 - Sep 09 00:56:02

Pressures (PSIA)

1.. 3 74.593 74.591 14.36

Dew Points (°F)

1.. 6 68.124 74.766 67.824 68.41 65.454 66.833

Temperatures (°F)

1..12	68.519	68.398	72.047	71.572	72.149	72.758	72.203	73.533	72.879	74.158	68.838	68.023
13..24	68.447	71.666	71.286	73.301	74.343	77.819	78.676	72.857	72.566	78.474	78.694	78.682

Reading # 149 - Sep 09 01:00:14

Pressures (PSIA)

1.. 3 74.588 74.585 14.36

Dew Points (°F)

1.. 6 68.2 74.687 67.824 68.249 65.451 66.833

Temperatures (°F)

1..12	68.509	68.398	72.033	71.558	72.135	72.744	72.217	73.57	72.875	74.102	68.829	68.023
13..24	68.433	71.666	71.267	73.291	74.366	77.777	78.63	72.881	72.557	78.419	78.643	78.64

Reading # 150 - Sep 09 01:05:22

Pressures (PSIA)

1.. 3 74.581 74.579 14.359

Dew Points (°F)

1.. 6 68.2 74.687 67.821 68.328 65.451 66.833

Temperatures (°F)

1..12	68.486	68.375	72.023	71.535	72.116	72.735	72.185	73.528	72.852	74.047	68.819	67.999
13..24	68.423	71.642	71.244	73.259	74.352	77.722	78.578	72.839	72.548	78.368	78.596	78.585

Reading # 151 - Sep 09 01:10:22

Pressures (PSIA)

1.. 3 74.576 74.573 14.358

Dew Points (°F)

1.. 6 68.2 74.609 67.818 68.25 65.452 66.912

Temperatures (°F)

1..12	68.481	68.365	72.019	71.535	72.088	72.716	72.171	73.51	72.856	74.042	68.791	67.995
13..24	68.396	71.628	71.23	73.254	74.329	77.675	78.518	72.834	72.524	78.321	78.545	78.534

Reading # 152 - Sep 09 01:15:22

Pressures (PSIA)

1.. 3 74.57 74.567 14.356

Dew Points (°F)

1.. 6 68.2 74.769 67.824 68.334 65.452 66.909

Temperatures (°F)

1..12	68.458	68.351	71.996	71.498	72.079	72.707	72.148	73.501	72.782	73.936	68.782	67.986
13..24	68.386	71.619	71.207	73.231	74.274	77.62	78.463	72.834	72.51	78.27	78.489	78.478

# Calibrated Instrument Data

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Oconee Nuclear Station  
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Reading # 153 - Sep 09 01:20:23

## Pressures (PSIA)

1.. 3 74.564 74.561 14.354

## Dew Points (°F)

1.. 6 68.197 74.766 67.821 68.328 65.451 66.909

## Temperatures (°F)

1..12	68.449	68.342	71.986	71.488	72.056	72.698	72.138	73.468	72.782	73.977	68.768	67.972
13..24	68.368	71.619	71.207	73.222	74.297	77.569	78.421	72.779	72.501	78.233	78.448	78.436

Reading # 154 - Sep 09 01:25:23

## Pressures (PSIA)

1.. 3 74.56 74.557 14.354

## Dew Points (°F)

1.. 6 68.278 74.606 67.818 68.404 65.454 66.909

## Temperatures (°F)

1..12	68.44	68.328	71.977	71.479	72.046	72.675	72.138	73.501	72.801	73.968	68.759	67.962
13..24	68.354	71.596	71.189	73.199	74.223	77.522	78.379	72.802	72.478	78.182	78.401	78.39

Reading # 155 - Sep 09 01:30:23

## Pressures (PSIA)

1.. 3 74.554 74.552 14.354

## Dew Points (°F)

1.. 6 68.276 74.528 67.897 68.407 65.452 66.909

## Temperatures (°F)

1..12	68.435	68.324	71.972	71.474	72.032	72.67	72.134	73.482	72.81	73.885	68.745	67.958
13..24	68.363	71.591	71.184	73.194	74.236	77.476	78.342	72.797	72.459	78.14	78.341	78.329

Reading # 156 - Sep 09 01:35:23

## Pressures (PSIA)

1.. 3 74.549 74.547 14.354

## Dew Points (°F)

1.. 6 68.276 74.449 67.821 68.407 65.449 66.909

## Temperatures (°F)

1..12	68.421	68.314	71.958	71.451	72.009	72.661	72.12	73.449	72.754	73.843	68.745	67.958
13..24	68.34	71.582	71.161	73.194	74.315	77.434	78.296	72.783	72.45	78.089	78.299	78.288

Reading # 157 - Sep 09 01:40:23

## Pressures (PSIA)

1.. 3 74.543 74.541 14.354

## Dew Points (°F)

1.. 6 68.278 74.527 67.896 68.485 65.536 66.833

## Temperatures (°F)

1..12	68.403	68.296	71.944	71.433	71.991	72.656	72.106	73.435	72.791	73.815	68.727	67.944
13..24	68.321	71.573	71.142	73.189	74.274	77.383	78.249	72.76	72.446	78.052	78.262	78.251

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Reading # 158 - Sep 09 01:45:23

## Pressures (PSIA)

1.. 3 74.539 74.535 14.352

## Dew Points (°F)

1.. 6 68.281 74.449 67.896 68.407 65.451 66.83

## Temperatures (°F)

1..12	68.393	68.287	71.931	71.423	71.981	72.633	72.097	73.403	72.768	73.815	68.717	67.93
13..24	68.312	71.55	71.133	73.166	74.209	77.327	78.203	72.76	72.427	78.019	78.22	78.209

Reading # 159 - Sep 09 01:50:24

## Pressures (PSIA)

1.. 3 74.534 74.531 14.352

## Dew Points (°F)

1.. 6 68.354 74.446 67.896 68.331 65.454 66.911

## Temperatures (°F)

1..12	68.389	68.282	71.94	71.409	71.967	72.628	72.092	73.398	72.745	73.787	68.713	67.925
13..24	68.307	71.545	71.119	73.171	74.26	77.29	78.166	72.755	72.409	77.959	78.169	78.158

Reading # 160 - Sep 09 01:55:24

## Pressures (PSIA)

1.. 3 74.529 74.526 14.351

## Dew Points (°F)

1.. 6 68.357 74.452 67.896 68.17 65.533 66.909

## Temperatures (°F)

1..12	68.389	68.282	71.917	71.395	71.953	72.605	72.069	73.421	72.745	73.81	68.703	67.925
13..24	68.307	71.536	71.105	73.161	74.227	77.249	78.124	72.732	72.395	77.913	78.123	78.116

Reading # 161 - Sep 09 02:00:24

## Pressures (PSIA)

1.. 3 74.524 74.522 14.349

## Dew Points (°F)

1.. 6 68.355 74.449 67.903 68.328 65.536 66.909

## Temperatures (°F)

1..12	68.37	68.263	71.898	71.382	71.926	72.591	72.05	73.426	72.703	73.783	68.694	67.907
13..24	68.289	71.522	71.091	73.143	74.088	77.198	78.073	72.704	72.39	77.875	78.086	78.074

Reading # 162 - Sep 09 02:05:24

## Pressures (PSIA)

1.. 3 74.52 74.518 14.349

## Dew Points (°F)

1.. 6 68.358 74.525 67.818 68.334 65.533 66.912

## Temperatures (°F)

1..12	68.361	68.254	71.889	71.382	71.916	72.591	72.027	73.403	72.685	73.848	68.671	67.898
13..24	68.275	71.508	71.077	73.134	74.176	77.156	78.031	72.704	72.381	77.834	78.058	78.046



# Calibrated Instrument Data

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Reading # 163 - Sep 09 02:10:24

## Pressures (PSIA)

1.. 3 74.515 74.513 14.349

## Dew Points (°F)

1.. 6 68.357 74.449 67.899 68.407 65.533 66.909

## Temperatures (°F)

1..12 68.352 68.245 71.88 71.372 71.907 72.577 72.027 73.389 72.638 73.792 68.662 67.898  
13..24 68.256 71.499 71.068 73.124 74.199 77.123 77.989 72.714 72.371 77.81 78.011 78

Reading # 164 - Sep 09 02:15:24

## Pressures (PSIA)

1.. 3 74.51 74.507 14.348

## Dew Points (°F)

1.. 6 68.354 74.452 67.818 68.41 65.536 66.909

## Temperatures (°F)

1..12 68.342 68.231 71.88 71.349 71.893 72.559 72.018 73.38 72.629 73.759 68.662 67.888  
13..24 68.256 71.499 71.059 73.124 74.241 77.082 77.943 72.704 72.362 77.769 77.97 77.958

Reading # 165 - Sep 09 02:20:25

## Pressures (PSIA)

1.. 3 74.506 74.504 14.347

## Dew Points (°F)

1.. 6 68.433 74.294 67.899 68.407 65.533 66.909

## Temperatures (°F)

1..12 68.347 68.24 71.875 71.344 71.888 72.554 72.023 73.375 72.666 73.778 68.657 67.884  
13..24 68.266 71.494 71.063 73.12 74.148 77.04 77.915 72.686 72.344 77.727 77.928 77.917

Reading # 166 - Sep 09 02:25:25

## Pressures (PSIA)

1.. 3 74.502 74.499 14.348

## Dew Points (°F)

1.. 6 68.433 74.37 67.896 68.41 65.609 66.909

## Temperatures (°F)

1..12 68.338 68.226 71.861 71.344 71.87 72.554 72.023 73.352 72.689 73.648 68.639 67.884  
13..24 68.252 71.485 71.054 73.11 74.106 76.998 77.887 72.7 72.334 77.699 77.886 77.875

Reading # 167 - Sep 09 02:30:25

## Pressures (PSIA)

1.. 3 74.498 74.495 14.347

## Dew Points (°F)

1.. 6 68.43 74.37 67.896 68.328 65.609 66.909

## Temperatures (°F)

1..12 68.319 68.213 71.847 71.326 71.851 72.536 72.009 73.328 72.671 73.685 68.629 67.865  
13..24 68.233 71.476 71.022 73.092 74.069 76.961 77.836 72.681 72.32 77.653 77.844 77.842

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Reading # 168 - Sep 09 02:35:25

Pressures (PSIA)

1.. 3 74.494 74.491 14.348

Dew Points (°F)

1.. 6 68.433 74.449 67.899 68.334 65.609 66.909

Temperatures (°F)

1..12	68.305	68.213	71.833	71.317	71.837	72.522	71.995	73.314	72.694	73.62	68.62	67.865
13..24	68.215	71.476	71.022	73.092	74.209	76.929	77.804	72.639	72.32	77.62	77.812	77.81

Reading # 169 - Sep 09 02:40:25

Pressures (PSIA)

1.. 3 74.489 74.487 14.347

Dew Points (°F)

1.. 6 68.436 74.524 67.899 68.249 65.609 66.909

Temperatures (°F)

1..12	68.296	68.199	71.824	71.293	71.828	72.512	71.986	73.291	72.629	73.565	68.606	67.856
13..24	68.215	71.466	71.012	73.069	74.144	76.887	77.757	72.662	72.311	77.578	77.775	77.763

Reading # 170 - Sep 09 02:45:25

Pressures (PSIA)

1.. 3 74.485 74.482 14.347

Dew Points (°F)

1.. 6 68.433 74.524 67.896 68.328 65.609 66.911

Temperatures (°F)

1..12	68.287	68.189	71.81	71.293	71.828	72.503	71.976	73.314	72.615	73.565	68.597	67.856
13..24	68.201	71.452	71.003	73.069	74.055	76.85	77.739	72.649	72.297	77.546	77.733	77.736

Reading # 171 - Sep 09 02:50:15

Pressures (PSIA)

1.. 3 74.482 74.478 14.347

Dew Points (°F)

1.. 6 68.434 74.525 67.9 68.331 65.606 66.912

Temperatures (°F)

1..12	68.291	68.18	71.805	71.284	71.823	72.508	71.967	73.375	72.601	73.611	68.592	67.847
13..24	68.182	71.448	70.994	73.059	74.06	76.822	77.697	72.667	72.288	77.513	77.7	77.703

Reading # 172 - Sep 09 03:01:13

Pressures (PSIA)

1.. 3 74.473 74.471 14.348

Dew Points (°F)

1.. 6 68.509 74.446 67.982 68.407 65.688 66.909

Temperatures (°F)

1..12	68.268	68.171	71.796	71.266	71.791	72.485	71.958	73.296	72.601	73.593	68.578	67.828
13..24	68.173	71.438	70.975	73.041	74.148	76.757	77.623	72.635	72.274	77.453	77.645	77.634

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Reading # 173 - Sep 09 03:06:23

Pressures (PSIA)

1.. 3 74.469 74.466 14.349

Dew Points (°F)

1.. 6 68.512 74.367 67.9 68.337 65.612 66.912

Temperatures (°F)

1..12 68.259 68.162 71.787 71.266 71.791 72.475 71.944 73.31 72.578 73.611 68.569 67.828  
13..24 68.164 71.438 70.975 73.041 74.037 76.715 77.59 72.644 72.256 77.416 77.603 77.592

Reading # 174 - Sep 09 03:10:25

Pressures (PSIA)

1.. 3 74.466 74.463 14.348

Dew Points (°F)

1.. 6 68.43 74.367 67.897 68.328 65.682 66.909

Temperatures (°F)

1..12 68.254 68.157 71.768 71.252 71.777 72.457 71.93 73.24 72.555 73.597 68.555 67.823  
13..24 68.159 71.443 70.948 73.027 74.055 76.687 77.563 72.607 72.256 77.383 77.57 77.559

Reading # 175 - Sep 09 03:15:33

Pressures (PSIA)

1.. 3 74.462 74.46 14.348

Dew Points (°F)

1.. 6 68.434 74.373 67.903 68.331 65.688 66.988

Temperatures (°F)

1..12 68.254 68.148 71.768 71.252 71.763 72.447 71.921 73.305 72.541 73.556 68.546 67.809  
13..24 68.159 71.425 70.938 73.013 74.102 76.655 77.521 72.616 72.246 77.346 77.538 77.527

Reading # 176 - Sep 09 03:20:33

Pressures (PSIA)

1.. 3 74.458 74.456 14.347

Dew Points (°F)

1.. 6 68.512 74.37 67.981 68.246 65.685 66.909

Temperatures (°F)

1..12 68.245 68.134 71.759 71.229 71.754 72.438 71.921 73.273 72.555 73.546 68.546 67.809  
13..24 68.15 71.401 70.924 73.013 74.046 76.622 77.498 72.593 72.237 77.318 77.505 77.494

Reading # 177 - Sep 09 03:25:34

Pressures (PSIA)

1.. 3 74.455 74.452 14.347

Dew Points (°F)

1.. 6 68.515 74.297 67.984 68.328 65.685 66.909

Temperatures (°F)

1..12 68.231 68.134 71.75 71.229 71.754 72.424 71.911 73.291 72.541 73.5 68.532 67.8  
13..24 68.127 71.387 70.915 73.004 74.004 76.59 77.456 72.584 72.223 77.286 77.473 77.471

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Oconee Nuclear Station  
Unit 3 - 9/92**Reading # 178 - Sep 09 03:30:34****Pressures (PSIA)**

1.. 3 74.451 74.448 14.347

**Dew Points (°F)**

1.. 6 68.436 74.295 67.897 68.404 65.682 66.83

**Temperatures (°F)**

1..12	68.222	68.124	71.736	71.205	71.74	72.415	71.897	73.282	72.555	73.5	68.532	67.8
13..24	68.127	71.387	70.915	72.994	74.037	76.557	77.423	72.574	72.218	77.258	77.45	77.448

**Reading # 179 - Sep 09 03:35:34****Pressures (PSIA)**

1.. 3 74.448 74.445 14.346

**Dew Points (°F)**

1.. 6 68.512 74.297 67.897 68.325 65.685 66.909

**Temperatures (°F)**

1..12	68.222	68.111	71.726	71.205	71.731	72.406	71.888	73.259	72.532	73.435	68.523	67.791
13..24	68.113	71.378	70.906	72.994	74.046	76.534	77.4	72.607	72.209	77.239	77.426	77.416

**Reading # 180 - Sep 09 03:40:34****Pressures (PSIA)**

1.. 3 74.445 74.442 14.354

**Dew Points (°F)**

1.. 6 68.509 74.297 67.897 68.247 65.688 66.909

**Temperatures (°F)**

1..12	68.222	68.111	71.726	71.205	71.731	72.406	71.879	73.249	72.532	73.449	68.509	67.777
13..24	68.103	71.378	70.897	72.994	74.037	76.506	77.382	72.593	72.191	77.197	77.389	77.388

**Reading # 181 - Sep 09 03:45:34****Pressures (PSIA)**

1.. 3 74.44 74.438 14.353

**Dew Points (°F)**

1.. 6 68.509 74.21 67.897 68.247 65.685 66.909

**Temperatures (°F)**

1..12	68.208	68.101	71.713	71.196	71.721	72.396	71.879	73.249	72.555	73.481	68.509	67.777
13..24	68.103	71.378	70.897	72.994	73.925	76.483	77.345	72.584	72.191	77.165	77.352	77.355

**Reading # 182 - Sep 09 03:50:34****Pressures (PSIA)**

1.. 3 74.438 74.435 14.352

**Dew Points (°F)**

1.. 6 68.509 74.207 67.897 68.247 65.688 66.909

**Temperatures (°F)**

1..12	68.203	68.111	71.708	71.191	71.717	72.401	71.884	73.245	72.536	73.444	68.504	67.786
13..24	68.099	71.374	70.878	72.99	73.925	76.446	77.321	72.579	72.186	77.16	77.338	77.327

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Reading # 183 - Sep 09 03:55:35

## Pressures (PSIA)

1.. 3 74.434 74.431 14.353

## Dew Points (°F)

1.. 6 68.509 74.128 67.897 68.253 65.763 66.909

## Temperatures (°F)

1..12 68.203 68.097 71.708 71.191 71.717 72.392 71.874 73.277 72.513 73.505 68.495 67.777  
13..24 68.099 71.374 70.878 72.99 73.912 76.423 77.289 72.57 72.177 77.128 77.306 77.295

Reading # 184 - Sep 09 04:00:35

## Pressures (PSIA)

1.. 3 74.431 74.429 14.354

## Dew Points (°F)

1.. 6 68.515 74.209 67.899 68.092 65.76 66.909

## Temperatures (°F)

1..12 68.203 68.087 71.699 71.191 71.707 72.392 71.86 73.277 72.495 73.463 68.495 67.777  
13..24 68.089 71.364 70.869 72.976 73.879 76.404 77.266 72.588 72.172 77.086 77.278 77.267

Reading # 185 - Sep 09 04:04:44

## Pressures (PSIA)

1.. 3 74.428 74.426 14.353

## Dew Points (°F)

1.. 6 68.509 74.207 67.896 68.17 65.76 66.911

## Temperatures (°F)

1..12 68.194 68.087 71.699 71.182 71.707 72.378 71.86 73.268 72.495 73.486 68.495 67.777  
13..24 68.089 71.364 70.869 72.967 73.888 76.381 77.243 72.546 72.158 77.067 77.255 77.244

Reading # 186 - Sep 09 04:09:34

## Pressures (PSIA)

1.. 3 74.425 74.423 14.352

## Dew Points (°F)

1.. 6 68.515 74.207 67.896 68.17 65.76 66.911

## Temperatures (°F)

1..12 68.189 68.069 71.685 71.164 71.689 72.373 71.842 73.24 72.499 73.426 68.476 67.759  
13..24 68.08 71.346 70.85 72.957 73.916 76.353 77.205 72.542 72.154 77.04 77.241 77.23

Reading # 187 - Sep 09 04:14:34

## Pressures (PSIA)

1.. 3 74.423 74.419 14.352

## Dew Points (°F)

1.. 6 68.59 74.134 67.896 68.17 65.763 66.909

## Temperatures (°F)

1..12 68.175 68.069 71.671 71.164 71.689 72.373 71.833 73.217 72.532 73.328 68.476 67.759  
13..24 68.071 71.346 70.85 72.948 73.939 76.321 77.164 72.533 72.144 77.021 77.208 77.207

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Reading # 188 - Sep 09 04:19:34

## Pressures (PSIA)

1.. 3 74.42 74.416 14.354

## Dew Points (°F)

1.. 6 68.515 74.131 67.903 68.249 65.76 66.909

## Temperatures (°F)

1..12	68.175	68.06	71.671	71.154	71.689	72.359	71.833	73.24	72.518	73.384	68.467	67.745
13..24	68.062	71.346	70.841	72.939	73.949	76.298	77.141	72.533	72.135	76.989	77.18	77.17

Reading # 189 - Sep 09 04:24:34

## Pressures (PSIA)

1.. 3 74.416 74.413 14.352

## Dew Points (°F)

1.. 6 68.593 74.131 67.896 68.249 65.76 66.909

## Temperatures (°F)

1..12	68.166	68.06	71.662	71.14	71.679	72.35	71.833	73.226	72.499	73.338	68.453	67.735
13..24	68.062	71.337	70.827	72.939	73.884	76.279	77.122	72.509	72.126	76.97	77.148	77.147

Reading # 190 - Sep 09 04:29:34

## Pressures (PSIA)

1.. 3 74.413 74.41 14.349

## Dew Points (°F)

1.. 6 68.593 74.207 67.981 68.246 65.842 66.83

## Temperatures (°F)

1..12	68.166	68.06	71.662	71.14	71.679	72.341	71.814	73.217	72.509	73.315	68.453	67.735
13..24	68.052	71.337	70.827	72.929	73.851	76.256	77.099	72.519	72.135	76.942	77.134	77.123

Reading # 191 - Sep 09 04:34:35

## Pressures (PSIA)

1.. 3 74.41 74.408 14.342

## Dew Points (°F)

1.. 6 68.587 74.291 67.896 68.174 65.76 66.909

## Temperatures (°F)

1..12	68.157	68.05	71.648	71.131	71.679	72.341	71.814	73.207	72.476	73.315	68.448	67.726
13..24	68.052	71.327	70.818	72.929	73.828	76.233	77.066	72.519	72.135	76.9	77.097	77.1

Reading # 192 - Sep 09 04:39:35

## Pressures (PSIA)

1.. 3 74.407 74.404 14.341

## Dew Points (°F)

1.. 6 68.587 74.212 67.981 68.17 65.842 66.909

## Temperatures (°F)

1..12	68.157	68.036	71.648	71.122	71.666	72.341	71.823	73.217	72.467	73.352	68.448	67.735
13..24	68.052	71.313	70.818	72.916	73.86	76.2	77.043	72.519	72.126	76.872	77.074	77.072

# Calibrated Instrument Data

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## Reading # 193 - Sep 09 04:45:45

## Pressures (PSIA)

1.. 3 74.404 74.402 14.343

## Dew Points (°F)

1.. 6 68.59 74.128 67.896 68.17 65.842 66.909

## Temperatures (°F)

1..12	68.162	68.041	71.643	71.127	71.661	72.331	71.805	73.175	72.471	73.291	68.439	67.731
13..24	68.043	71.309	70.813	72.929	73.874	76.182	77.029	72.514	72.112	76.859	77.055	77.058

## Reading # 194 - Sep 09 04:50:53

## Pressures (PSIA)

1.. 3 74.401 74.398 14.342

## Dew Points (°F)

1.. 6 68.588 74.128 67.894 68.095 65.843 66.83

## Temperatures (°F)

1..12	68.138	68.032	71.643	71.113	71.661	72.331	71.814	73.221	72.495	73.333	68.439	67.717
13..24	68.043	71.318	70.799	72.929	73.921	76.149	76.992	72.514	72.112	76.835	77.023	77.026

## Reading # 195 - Sep 09 04:55:54

## Pressures (PSIA)

1.. 3 74.398 74.395 14.342

## Dew Points (°F)

1.. 6 68.588 74.049 67.984 68.092 65.76 66.909

## Temperatures (°F)

1..12	68.138	68.032	71.634	71.113	71.661	72.322	71.795	73.212	72.462	73.389	68.439	67.717
13..24	68.034	71.309	70.799	72.911	73.888	76.14	76.974	72.491	72.098	76.812	76.999	77.003

## Reading # 196 - Sep 09 05:00:54

## Pressures (PSIA)

1.. 3 74.394 74.393 14.343

## Dew Points (°F)

1.. 6 68.588 73.974 67.982 68.247 65.843 66.985

## Temperatures (°F)

1..12	68.148	68.027	71.638	71.108	71.666	72.318	71.8	73.184	72.458	73.254	68.435	67.726
13..24	68.038	71.313	70.799	72.929	73.907	76.126	76.946	72.519	72.093	76.784	76.962	76.984

## Reading # 197 - Sep 09 05:05:54

## Pressures (PSIA)

1.. 3 74.393 74.39 14.343

## Dew Points (°F)

1.. 6 68.588 74.055 67.903 68.171 65.84 66.909

## Temperatures (°F)

1..12	68.148	68.027	71.629	71.099	71.656	72.327	71.814	73.282	72.476	73.305	68.425	67.726
13..24	68.029	71.304	70.785	72.929	73.907	76.103	76.927	72.509	72.084	76.761	76.939	76.975

# Calibrated Instrument Data

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## Reading # 198 - Sep 09 05:10:54

## Pressures (PSIA)

1.. 3 74.388 74.387 14.343

## Dew Points (°F)

1.. 6 68.669 73.973 67.899 68.092 65.842 66.909

## Temperatures (°F)

1..12	68.134	68.027	71.629	71.099	71.656	72.318	71.8	73.291	72.42	73.328	68.425	67.712
13..24	68.029	71.304	70.785	72.916	73.925	76.08	76.904	72.486	72.089	76.738	76.925	76.961

## Reading # 199 - Sep 09 05:15:54

## Pressures (PSIA)

1.. 3 74.387 74.384 14.342

## Dew Points (°F)

1.. 6 68.59 74.049 67.896 68.092 65.839 66.909

## Temperatures (°F)

1..12	68.124	68.013	71.615	71.085	71.656	72.304	71.791	73.259	72.402	73.361	68.425	67.712
13..24	68.015	71.304	70.785	72.929	73.884	76.061	76.881	72.486	72.098	76.724	76.902	76.938

## Reading # 200 - Sep 09 05:20:54

## Pressures (PSIA)

1.. 3 74.384 74.382 14.341

## Dew Points (°F)

1.. 6 68.748 73.973 67.899 68.092 65.918 66.909

## Temperatures (°F)

1..12	68.115	68.009	71.597	71.089	71.647	72.29	71.786	73.254	72.374	73.366	68.407	67.708
13..24	68.011	71.295	70.767	72.911	73.856	76.033	76.853	72.491	72.084	76.696	76.879	76.91

## Reading # 201 - Sep 09 05:25:55

## Pressures (PSIA)

1.. 3 74.382 74.379 14.342

## Dew Points (°F)

1.. 6 68.827 73.973 67.981 68.019 65.918 66.83

## Temperatures (°F)

1..12	68.115	67.999	71.597	71.071	71.647	72.29	71.763	73.254	72.374	73.366	68.398	67.694
13..24	68.011	71.286	70.767	72.902	73.847	76.01	76.844	72.472	72.084	76.687	76.865	76.896

## Reading # 202 - Sep 09 05:30:55

## Pressures (PSIA)

1.. 3 74.379 74.376 14.341

## Dew Points (°F)

1.. 6 68.827 73.973 67.981 68.092 65.918 66.911

## Temperatures (°F)

1..12	68.12	67.999	71.601	71.085	71.638	72.28	71.763	73.277	72.374	73.398	68.388	67.698
13..24	68.011	71.299	70.772	72.902	73.847	75.992	76.825	72.481	72.084	76.664	76.832	76.887



# Calibrated Instrument Data

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## Reading # 203 - Sep 09 05:35:55

### Pressures (PSIA)

1.. 3 74.376 74.373 14.342

### Dew Points (°F)

1.. 6 68.827 73.973 67.981 68.092 65.993 66.911

### Temperatures (°F)

1..12	68.106	67.999	71.592	71.076	71.638	72.28	71.763	73.254	72.332	73.347	68.388	67.698
13..24	68.011	71.286	70.762	72.902	73.791	75.968	76.802	72.491	72.075	76.645	76.809	76.868

## Reading # 204 - Sep 09 05:40:55

### Pressures (PSIA)

1.. 3 74.374 74.372 14.342

### Dew Points (°F)

1.. 6 68.827 73.973 67.981 68.174 65.915 66.911

### Temperatures (°F)

1..12	68.101	67.981	71.573	71.057	71.633	72.276	71.744	73.152	72.323	73.305	68.37	67.694
13..24	67.997	71.272	70.753	72.883	73.786	75.941	76.774	72.477	72.075	76.622	76.79	76.845

## Reading # 205 - Sep 09 05:45:55

### Pressures (PSIA)

1.. 3 74.372 74.368 14.343

### Dew Points (°F)

1.. 6 68.666 73.894 67.896 68.092 65.993 66.911

### Temperatures (°F)

1..12	68.092	67.981	71.573	71.043	71.633	72.285	71.735	73.128	72.36	73.208	68.37	67.694
13..24	67.997	71.258	70.753	72.874	73.819	75.931	76.751	72.468	72.061	76.599	76.767	76.822

## Reading # 206 - Sep 09 05:50:55

### Pressures (PSIA)

1.. 3 74.368 74.366 14.343

### Dew Points (°F)

1.. 6 68.666 73.973 67.981 68.092 65.915 66.83

### Temperatures (°F)

1..12	68.087	67.981	71.569	71.052	71.628	72.28	71.754	73.105	72.397	73.203	68.374	67.689
13..24	67.992	71.276	70.748	72.869	73.925	75.917	76.746	72.472	72.052	76.575	76.758	76.831

## Reading # 207 - Sep 09 05:55:56

### Pressures (PSIA)

1.. 3 74.366 74.364 14.344

### Dew Points (°F)

1.. 6 68.666 73.973 67.984 68.092 65.996 66.911

### Temperatures (°F)

1..12	68.087	67.981	71.569	71.052	71.628	72.28	71.754	73.147	72.407	73.227	68.365	67.689
13..24	67.992	71.276	70.739	72.855	73.823	75.904	76.714	72.463	72.038	76.548	76.735	76.789

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Reading # 208 - Sep 09 06:00:56

## Pressures (PSIA)

1.. 3 74.365 74.361 14.344

## Dew Points (°F)

1.. 6 68.59 73.894 67.981 68.016 65.918 66.83

## Temperatures (°F)

1..12	68.078	67.962	71.564	71.034	71.624	72.276	71.744	73.161	72.411	73.199	68.356	67.684
13..24	67.983	71.258	70.73	72.851	73.819	75.876	76.695	72.412	72.028	76.534	76.712	76.78

Reading # 209 - Sep 09 06:05:56

## Pressures (PSIA)

1.. 3 74.362 74.358 14.344

## Dew Points (°F)

1.. 6 68.587 73.976 67.899 68.019 65.915 66.909

## Temperatures (°F)

1..12	68.078	67.962	71.564	71.034	71.624	72.262	71.726	73.142	72.393	73.231	68.356	67.684
13..24	67.983	71.258	70.73	72.851	73.744	75.866	76.672	72.412	72.038	76.515	76.693	76.771

Reading # 210 - Sep 09 06:10:56

## Pressures (PSIA)

1.. 3 74.359 74.356 14.345

## Dew Points (°F)

1.. 6 68.667 73.893 67.897 68.092 65.915 66.83

## Temperatures (°F)

1..12	68.087	67.967	71.56	71.038	71.619	72.28	71.731	73.114	72.407	73.185	68.351	67.68
13..24	67.983	71.267	70.725	72.869	73.856	75.848	76.658	72.416	72.028	76.501	76.679	76.757

Reading # 211 - Sep 09 06:15:57

## Pressures (PSIA)

1.. 3 74.357 74.355 14.346

## Dew Points (°F)

1.. 6 68.669 73.893 67.9 68.092 65.918 66.83

## Temperatures (°F)

1..12	68.087	67.958	71.56	71.029	71.619	72.271	71.74	73.124	72.388	73.162	68.351	67.68
13..24	67.983	71.253	70.725	72.869	73.847	75.839	76.649	72.416	72.019	76.469	76.647	76.724

Reading # 212 - Sep 09 06:20:09

## Pressures (PSIA)

1.. 3 74.355 74.351 14.347

## Dew Points (°F)

1.. 6 68.588 73.889 67.9 68.092 65.994 66.909

## Temperatures (°F)

1..12	68.069	67.953	71.541	71.025	71.601	72.253	71.726	73.096	72.42	73.134	68.337	67.67
13..24	67.964	71.248	70.711	72.86	73.721	75.811	76.621	72.398	72.019	76.459	76.637	76.715

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## Reading # 213 - Sep 09 06:25:09

## Pressures (PSIA)

1.. 3 74.352 74.349 14.347

## Dew Points (°F)

1.. 6 68.669 73.889 67.897 68.02 65.997 66.909

## Temperatures (°F)

1..12	68.069	67.939	71.541	71.011	71.601	72.253	71.726	73.11	72.402	73.134	68.337	67.661
13..24	67.964	71.248	70.721	72.851	73.772	75.801	76.598	72.389	72.005	76.45	76.614	76.692

## Reading # 214 - Sep 09 06:30:09

## Pressures (PSIA)

1.. 3 74.351 74.347 14.347

## Dew Points (°F)

1.. 6 68.588 73.816 67.9 68.092 65.994 66.83

## Temperatures (°F)

1..12	68.069	67.939	71.541	71.011	71.601	72.253	71.726	73.119	72.402	73.134	68.337	67.67
13..24	67.964	71.248	70.711	72.851	73.786	75.788	76.589	72.412	72.015	76.431	76.6	76.687

## Reading # 215 - Sep 09 06:35:10

## Pressures (PSIA)

1.. 3 74.348 74.345 14.349

## Dew Points (°F)

1.. 6 68.667 73.816 67.818 68.017 65.997 66.909

## Temperatures (°F)

1..12	68.059	67.939	71.532	71.011	71.601	72.243	71.726	73.087	72.393	73.12	68.328	67.661
13..24	67.964	71.216	70.702	72.841	73.795	75.769	76.556	72.412	72.033	76.422	76.577	76.678

## Reading # 216 - Sep 09 06:40:10

## Pressures (PSIA)

1.. 3 74.346 74.343 14.349

## Dew Points (°F)

1.. 6 68.585 73.816 67.894 68.017 65.994 66.83

## Temperatures (°F)

1..12	68.059	67.93	71.532	71.011	71.601	72.243	71.703	73.096	72.369	73.176	68.328	67.661
13..24	67.964	71.23	70.702	72.832	73.809	75.746	76.533	72.412	72.005	76.371	76.563	76.636

## Reading # 217 - Sep 09 06:45:10

## Pressures (PSIA)

1.. 3 74.343 74.34 14.348

## Dew Points (°F)

1.. 6 68.667 73.819 67.897 68.092 65.994 66.833

## Temperatures (°F)

1..12	68.059	67.93	71.532	71.001	71.601	72.243	71.694	73.096	72.346	73.12	68.328	67.647
13..24	67.964	71.23	70.688	72.841	73.786	75.723	76.524	72.43	72.005	76.371	76.549	76.627

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Reading # 218 - Sep 09 06:50:10

Pressures (PSIA)

1.. 3 74.341 74.338 14.351

Dew Points (°F)

1.. 6 68.667 73.819 67.897 68.017 65.997 66.912

Temperatures (°F)

1..12 68.05 67.93 71.532 71.001 71.591 72.243 71.703 73.119 72.369 73.134 68.314 67.647  
13..24 67.955 71.235 70.688 72.841 73.786 75.713 76.501 72.398 71.996 76.371 76.526 76.604

Reading # 219 - Sep 09 06:55:10

Pressures (PSIA)

1.. 3 74.339 74.336 14.351

Dew Points (°F)

1.. 6 68.669 73.816 67.821 68.02 65.994 66.83

Temperatures (°F)

1..12 68.036 67.93 71.518 71.001 71.591 72.243 71.694 73.11 72.369 73.111 68.314 67.647  
13..24 67.955 71.23 70.688 72.841 73.763 75.704 76.501 72.389 71.996 76.353 76.507 76.595

Reading # 220 - Sep 09 07:00:10

Pressures (PSIA)

1.. 3 74.336 74.334 14.352

Dew Points (°F)

1.. 6 68.667 73.814 67.894 68.017 66.07 66.909

Temperatures (°F)

1..12 68.046 67.935 71.527 70.997 71.596 72.239 71.698 73.124 72.388 73.203 68.309 67.657  
13..24 67.95 71.235 70.697 72.846 73.856 75.686 76.473 72.375 71.996 76.329 76.484 76.571

Reading # 221 - Sep 09 07:15:11

Pressures (PSIA)

1.. 3 74.33 74.327 14.353

Dew Points (°F)

1.. 6 68.669 73.741 67.9 67.938 66.076 66.833

Temperatures (°F)

1..12 68.032 67.911 71.513 70.987 71.587 72.239 71.689 73.138 72.356 73.138 68.3 67.657  
13..24 67.936 71.225 70.674 72.837 73.888 75.644 76.422 72.365 71.996 76.297 76.442 76.53

Reading # 222 - Sep 09 07:30:11

Pressures (PSIA)

1.. 3 74.325 74.322 14.357

Dew Points (°F)

1.. 6 68.667 73.744 67.894 68.017 66.07 66.909

Temperatures (°F)

1..12 68.027 67.907 71.495 70.969 71.577 72.22 71.684 73.161 72.36 73.101 68.296 67.638  
13..24 67.932 71.216 70.656 72.818 73.819 75.607 76.38 72.389 71.982 76.255 76.401 76.465

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Reading # 223 - Sep 09 07:45:12

## Pressures (PSIA)

1.. 3 74.318 74.315 14.358

## Dew Points (°F)

1.. 6 68.824 73.737 67.821 68.02 66.156 66.83

## Temperatures (°F)

1..12 68.027 67.897 71.49 70.969 71.577 72.211 71.661 73.152 72.281 73.166 68.258 67.629  
13..24 67.918 71.207 70.656 72.818 73.721 75.57 76.329 72.389 71.996 76.199 76.354 76.409

Reading # 224 - Sep 09 08:00:13

## Pressures (PSIA)

1.. 3 74.313 74.31 14.361

## Dew Points (°F)

1.. 6 68.905 73.814 67.818 68.014 66.227 66.912

## Temperatures (°F)

1..12 68.022 67.893 71.485 70.964 71.587 72.206 71.656 73.17 72.258 73.194 68.254 67.624  
13..24 67.913 71.202 70.651 72.813 73.772 75.523 76.278 72.365 71.996 76.144 76.289 76.377

Reading # 225 - Sep 09 08:15:13

## Pressures (PSIA)

1.. 3 74.307 74.305 14.359

## Dew Points (°F)

1.. 6 68.902 73.816 67.818 68.017 66.23 66.909

## Temperatures (°F)

1..12 68.004 67.884 71.467 70.96 71.577 72.188 71.638 73.152 72.249 73.217 68.24 67.615  
13..24 67.908 71.193 70.646 72.8 73.689 75.486 76.232 72.389 71.996 76.102 76.257 76.321

Reading # 226 - Sep 09 08:30:14

## Pressures (PSIA)

1.. 3 74.301 74.299 14.361

## Dew Points (°F)

1.. 6 68.824 73.814 67.821 67.935 66.302 66.909

## Temperatures (°F)

1..12 68.004 67.874 71.453 70.946 71.568 72.188 71.638 73.128 72.24 73.166 68.24 67.606  
13..24 67.885 71.193 70.632 72.8 73.809 75.454 76.199 72.37 71.982 76.069 76.215 76.27

Reading # 227 - Sep 09 08:45:14

## Pressures (PSIA)

1.. 3 74.297 74.293 14.369

## Dew Points (°F)

1.. 6 68.827 73.816 67.815 68.014 66.302 66.83

## Temperatures (°F)

1..12 67.999 67.87 71.448 70.955 71.573 72.183 71.633 73.138 72.268 73.227 68.226 67.61  
13..24 67.904 71.188 70.628 72.795 73.652 75.417 76.162 72.351 71.982 76.023 76.169 76.224

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Oconee Nuclear Station  
Unit 3 - 9/92**Reading # 228 - Sep 09 09:00:15****Pressures (PSIA)**

1.. 3 74.291 74.289 14.363

**Dew Points (°F)**

1.. 6 68.751 73.819 67.818 68.017 66.305 66.909

**Temperatures (°F)**

1..12	67.981	67.856	71.444	70.936	71.559	72.178	71.629	73.152	72.249	73.176	68.217	67.606
13..24	67.885	71.174	70.614	72.776	73.884	75.389	76.102	72.347	71.982	75.981	76.127	76.182

**Reading # 229 - Sep 09 09:15:15****Pressures (PSIA)**

1.. 3 74.286 74.282 14.363

**Dew Points (°F)**

1.. 6 68.754 73.816 67.818 67.935 66.309 66.83

**Temperatures (°F)**

1..12	67.981	67.856	71.434	70.923	71.559	72.164	71.619	73.142	72.24	73.199	68.217	67.592
13..24	67.876	71.174	70.605	72.776	73.712	75.347	76.069	72.314	71.977	75.958	76.094	76.149

**Reading # 230 - Sep 09 09:30:16****Pressures (PSIA)**

1.. 3 74.281 74.277 14.364

**Dew Points (°F)**

1.. 6 68.824 73.814 67.818 68.02 66.305 66.909

**Temperatures (°F)**

1..12	67.971	67.842	71.42	70.923	71.545	72.155	71.619	73.128	72.226	73.134	68.217	67.592
13..24	67.876	71.174	70.605	72.762	73.972	75.315	76.037	72.291	71.977	75.925	76.053	76.098

**Reading # 231 - Sep 09 09:45:16****Pressures (PSIA)**

1.. 3 74.276 74.273 14.362

**Dew Points (°F)**

1.. 6 68.748 73.816 67.824 67.935 66.382 66.833

**Temperatures (°F)**

1..12	67.971	67.842	71.42	70.913	71.545	72.155	71.619	73.128	72.217	73.092	68.207	67.587
13..24	67.867	71.16	70.591	72.762	73.763	75.291	76.004	72.324	71.977	75.898	76.015	76.057

**Reading # 232 - Sep 09 10:00:17****Pressures (PSIA)**

1.. 3 74.271 74.269 14.362

**Dew Points (°F)**

1.. 6 68.748 73.814 67.818 67.856 66.385 66.833

**Temperatures (°F)**

1..12	67.971	67.833	71.42	70.913	71.559	72.155	71.619	73.128	72.217	73.111	68.207	67.592
13..24	67.867	71.16	70.605	72.776	73.754	75.277	75.981	72.314	71.982	75.851	75.988	76.029

# Calibrated Instrument Data

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## Reading # 233 - Sep 09 10:15:17

## Pressures (PSIA)

1.. 3 74.266 74.263 14.362

## Dew Points (°F)

1.. 6 68.751 73.814 67.818 68.02 66.382 66.833

## Temperatures (°F)

1..12	67.962	67.833	71.397	70.904	71.545	72.146	71.605	73.128	72.184	73.111	68.198	67.587
13..24	67.857	71.174	70.582	72.762	73.958	75.236	75.939	72.314	71.982	75.805	75.955	75.987

## Reading # 234 - Sep 09 10:30:18

## Pressures (PSIA)

1.. 3 74.262 74.259 14.365

## Dew Points (°F)

1.. 6 68.664 73.816 67.818 67.932 66.463 66.833

## Temperatures (°F)

1..12	67.962	67.819	71.397	70.904	71.545	72.155	71.605	72.989	72.226	73.037	68.184	67.587
13..24	67.844	71.16	70.582	72.744	73.884	75.213	75.907	72.3	71.954	75.786	75.923	75.955

## Reading # 235 - Sep 09 10:45:18

## Pressures (PSIA)

1.. 3 74.257 74.255 14.371

## Dew Points (°F)

1.. 6 68.509 73.816 67.739 67.929 66.385 66.83

## Temperatures (°F)

1..12	67.948	67.819	71.411	70.904	71.545	72.146	71.605	73.045	72.281	72.995	68.184	67.573
13..24	67.844	71.174	70.568	72.753	73.884	75.194	75.874	72.291	71.954	75.763	75.876	75.922

## Reading # 236 - Sep 09 11:00:19

## Pressures (PSIA)

1.. 3 74.254 74.25 14.371

## Dew Points (°F)

1.. 6 68.585 73.811 67.742 67.929 66.46 66.828

## Temperatures (°F)

1..12	67.944	67.814	71.406	70.923	71.554	72.141	71.615	73.114	72.244	73.074	68.194	67.582
13..24	67.853	71.17	70.577	72.758	73.953	75.166	75.847	72.286	71.964	75.731	75.844	75.88

## Reading # 237 - Sep 09 11:15:19

## Pressures (PSIA)

1.. 3 74.249 74.246 14.37

## Dew Points (°F)

1.. 6 68.664 73.814 67.737 67.929 66.463 66.83

## Temperatures (°F)

1..12	67.939	67.809	71.397	70.913	71.545	72.132	71.596	73.11	72.217	73.078	68.184	67.564
13..24	67.844	71.16	70.582	72.753	74.004	75.152	75.81	72.324	71.982	75.666	75.825	75.857

# Calibrated Instrument Data

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Oconee Nuclear Station  
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Reading # 238 - Sep 09 11:30:20

Pressures (PSIA)

1.. 3 74.244 74.242 14.369

Dew Points (°F)

1.. 6 68.748 73.811 67.739 68.014 66.463 66.83

Temperatures (°F)

1..12 67.939 67.809 71.393 70.923 71.545 72.132 71.596 73.096 72.217 73.069 68.184 67.564  
13..24 67.834 71.16 70.568 72.753 73.99 75.115 75.786 72.314 71.982 75.642 75.793 75.834

Reading # 239 - Sep 09 11:45:20

Pressures (PSIA)

1.. 3 74.242 74.238 14.369

Dew Points (°F)

1.. 6 68.669 73.811 67.739 68.089 66.463 66.833

Temperatures (°F)

1..12 67.939 67.8 71.393 70.923 71.545 72.132 71.587 73.073 72.198 73.023 68.184 67.55  
13..24 67.82 71.16 70.582 72.753 73.893 75.106 75.754 72.277 71.964 75.666 75.756 75.792

Reading # 240 - Sep 09 12:02:15

Pressures (PSIA)

1.. 3 74.237 74.233 14.368

Dew Points (°F)

1.. 6 68.669 73.811 67.737 67.932 66.536 66.828

Temperatures (°F)

1..12 67.944 67.805 71.397 70.941 71.554 72.141 71.601 73.105 72.203 73.064 68.18 67.559  
13..24 67.83 71.17 70.577 72.758 74.246 75.078 75.726 72.319 71.977 75.633 75.728 75.769

Reading # 241 - Sep 09 12:17:16

Pressures (PSIA)

1.. 3 74.231 74.229 14.366

Dew Points (°F)

1.. 6 68.667 73.737 67.739 67.932 66.536 66.836

Temperatures (°F)

1..12 67.934 67.805 71.397 70.941 71.554 72.141 71.601 73.114 72.221 73.087 68.194 67.559  
13..24 67.839 71.17 70.586 72.748 74.162 75.069 75.708 72.328 71.982 75.601 75.705 75.737

Reading # 242 - Sep 09 12:32:16

Pressures (PSIA)

1.. 3 74.229 74.226 14.365

Dew Points (°F)

1.. 6 68.664 73.814 67.739 68.017 66.536 66.83

Temperatures (°F)

1..12 67.93 67.786 71.393 70.946 71.559 72.123 71.587 73.119 72.184 73.092 68.184 67.541  
13..24 67.82 71.174 70.582 72.753 74.557 75.032 75.68 72.324 71.982 75.582 75.681 75.718



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Reading # 243 - Sep 09 12:47:17

Pressures (PSIA)

1.. 3 74.225 74.221 14.363

Dew Points (°F)

1.. 6 68.669 73.735 67.745 67.932 66.536 66.83

Temperatures (°F)

1..12 67.93 67.786 71.379 70.946 71.559 72.123 71.587 73.142 72.217 73.078 68.175 67.55  
13..24 67.82 71.16 70.582 72.744 74.482 75.018 75.647 72.277 71.977 75.545 75.649 75.686

Reading # 244 - Sep 09 13:02:17

Pressures (PSIA)

1.. 3 74.221 74.218 14.361

Dew Points (°F)

1.. 6 68.669 73.816 67.739 67.856 66.536 66.83

Temperatures (°F)

1..12 67.916 67.786 71.393 70.946 71.545 72.113 71.596 73.11 72.198 73.069 68.175 67.541  
13..24 67.811 71.174 70.582 72.744 74.014 74.999 75.624 72.277 71.977 75.512 75.63 75.662

Reading # 245 - Sep 09 13:17:18

Pressures (PSIA)

1.. 3 74.218 74.215 14.36

Dew Points (°F)

1.. 6 68.748 73.741 67.742 67.853 66.618 66.83

Temperatures (°F)

1..12 67.916 67.786 71.379 70.946 71.559 72.123 71.596 73.11 72.198 73.013 68.175 67.541  
13..24 67.811 71.16 70.582 72.744 74.362 74.976 75.601 72.324 71.982 75.503 75.607 75.639

Reading # 246 - Sep 09 13:32:18

Pressures (PSIA)

1.. 3 74.215 74.212 14.357

Dew Points (°F)

1.. 6 68.748 73.734 67.739 67.929 66.617 66.83

Temperatures (°F)

1..12 67.925 67.796 71.397 70.955 71.563 72.141 71.601 73.124 72.221 73.064 68.17 67.545  
13..24 67.816 71.188 70.6 72.772 74.171 74.971 75.587 72.342 71.991 75.489 75.593 75.616

Reading # 247 - Sep 09 13:47:19

Pressures (PSIA)

1.. 3 74.213 74.21 14.354

Dew Points (°F)

1.. 6 68.666 73.737 67.818 68.095 66.617 66.833

Temperatures (°F)

1..12 67.925 67.796 71.397 70.964 71.573 72.141 71.615 73.082 72.309 73.087 68.17 67.545  
13..24 67.816 71.202 70.6 72.781 74.594 74.962 75.564 72.277 72.052 75.447 75.561 75.588

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Reading # 248 - Sep 09 14:02:19

Pressures (PSIA)

1.. 3 74.21 74.208 14.352

Dew Points (°F)

1.. 6 68.509 73.662 67.739 67.932 66.617 66.83

Temperatures (°F)

1..12 67.916 67.786 71.397 70.96 71.591 72.155 71.629 73.045 72.379 72.981 68.175 67.541  
13..24 67.802 71.216 70.605 72.776 74.58 74.944 75.536 72.314 72.079 75.457 75.547 75.57

Reading # 249 - Sep 09 14:17:20

Pressures (PSIA)

1.. 3 74.207 74.205 14.349

Dew Points (°F)

1.. 6 68.509 73.735 67.818 68.092 66.693 66.83

Temperatures (°F)

1..12 67.916 67.786 71.411 70.978 71.601 72.188 71.638 73.161 72.42 73.023 68.175 67.541  
13..24 67.802 71.23 70.614 72.8 74.612 74.92 75.527 72.3 72.116 75.429 75.519 75.542

Reading # 250 - Sep 09 14:32:20

Pressures (PSIA)

1.. 3 74.205 74.202 14.347

Dew Points (°F)

1.. 6 68.587 73.662 67.742 68.167 66.693 66.83

Temperatures (°F)

1..12 67.934 67.796 71.416 70.997 71.628 72.206 71.656 73.203 72.43 73.074 68.18 67.545  
13..24 67.83 71.244 70.642 72.813 74.803 74.916 75.508 72.351 72.135 75.406 75.496 75.523

Reading # 251 - Sep 09 14:47:21

Pressures (PSIA)

1.. 3 74.201 74.198 14.344

Dew Points (°F)

1.. 6 68.509 73.665 67.739 68.092 66.693 66.833

Temperatures (°F)

1..12 67.93 67.786 71.434 71.011 71.633 72.211 71.647 73.184 72.434 73.078 68.175 67.541  
13..24 67.811 71.258 70.646 72.832 74.817 74.888 75.485 72.324 72.158 75.382 75.486 75.509

Reading # 252 - Sep 09 15:02:21

Pressures (PSIA)

1.. 3 74.2 74.197 14.341

Dew Points (°F)

1.. 6 68.509 73.662 67.739 68.016 66.696 66.83

Temperatures (°F)

1..12 67.93 67.786 71.444 71.025 71.642 72.229 71.67 73.11 72.42 73.037 68.184 67.541  
13..24 67.811 71.272 70.656 72.809 74.84 74.879 75.471 72.347 72.177 75.368 75.472 75.495

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Reading # 253 - Sep 09 15:17:22

Pressures (PSIA)

1.. 3 74.196 74.194 14.337

Dew Points (°F)

1.. 6 68.43 73.662 67.739 68.017 66.778 66.833

Temperatures (°F)

1..12	67.93	67.777	71.444	71.034	71.642	72.243	71.684	73.073	72.402	73.023	68.198	67.531
13..24	67.811	71.272	70.656	72.832	75.272	74.869	75.453	72.333	72.172	75.35	75.445	75.468

Reading # 254 - Sep 09 15:32:22

Pressures (PSIA)

1.. 3 74.193 74.191 14.336

Dew Points (°F)

1.. 6 68.433 73.664 67.821 68.089 66.775 66.827

Temperatures (°F)

1..12	67.934	67.782	71.457	71.062	71.67	72.248	71.698	73.124	72.425	73.06	68.203	67.536
13..24	67.825	71.295	70.66	72.837	76.061	74.86	75.434	72.338	72.191	75.327	75.435	75.435

Reading # 255 - Sep 09 15:47:23

Pressures (PSIA)

1.. 3 74.19 74.188 14.334

Dew Points (°F)

1.. 6 68.43 73.664 67.739 68.092 66.775 66.83

Temperatures (°F)

1..12	67.934	67.791	71.471	71.048	71.679	72.257	71.707	73.133	72.448	73.041	68.212	67.536
13..24	67.825	71.295	70.67	72.837	76.014	74.842	75.42	72.375	72.2	75.299	75.412	75.426

Reading # 256 - Sep 09 16:02:24

Pressures (PSIA)

1.. 3 74.189 74.186 14.333

Dew Points (°F)

1.. 6 68.433 73.577 67.739 68.092 66.775 66.83

Temperatures (°F)

1..12	67.934	67.791	71.471	71.062	71.693	72.266	71.707	73.142	72.513	73.041	68.212	67.545
13..24	67.816	71.295	70.683	72.855	75.221	74.828	75.402	72.338	72.218	75.303	75.394	75.407

Reading # 257 - Sep 09 16:17:24

Pressures (PSIA)

1.. 3 74.186 74.183 14.33

Dew Points (°F)

1.. 6 68.436 73.577 67.739 68.092 66.85 66.83

Temperatures (°F)

1..12	67.934	67.782	71.481	71.071	71.703	72.28	71.717	73.124	72.448	73.05	68.203	67.536
13..24	67.839	71.318	70.693	72.878	75.416	74.818	75.392	72.319	72.232	75.28	75.384	75.384

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Reading # 258 - Sep 09 16:32:25

## Pressures (PSIA)

1.. 3 74.183 74.179 14.325

## Dew Points (°F)

1.. 6 68.433 73.58 67.821 68.089 66.85 66.909

## Temperatures (°F)

1..12	67.934	67.782	71.481	71.071	71.717	72.29	71.717	73.1	72.481	73.041	68.212	67.545
13..24	67.839	71.332	70.693	72.902	76.576	74.805	75.369	72.338	72.232	75.262	75.375	75.375

Reading # 259 - Sep 09 16:47:25

## Pressures (PSIA)

1.. 3 74.18 74.178 14.323

## Dew Points (°F)

1.. 6 68.43 73.577 67.818 68.089 66.85 66.909

## Temperatures (°F)

1..12	67.939	67.8	71.495	71.099	71.721	72.299	71.735	73.161	72.458	73.092	68.217	67.541
13..24	67.857	71.337	70.711	72.906	75.759	74.805	75.364	72.379	72.237	75.229	75.356	75.356

Reading # 260 - Sep 09 16:59:48

## Pressures (PSIA)

1.. 3 74.18 74.176 14.319

## Dew Points (°F)

1.. 6 68.433 73.577 67.739 68.167 66.85 66.909

## Temperatures (°F)

1..12	67.934	67.791	71.495	71.089	71.726	72.304	71.74	73.156	72.481	73.05	68.221	67.545
13..24	67.848	71.337	70.702	72.911	75.179	74.786	75.346	72.361	72.251	75.239	75.352	75.342

Reading # 261 - Sep 09 17:15:15

## Pressures (PSIA)

1.. 3 74.175 74.172 14.323

## Dew Points (°F)

1.. 6 68.434 73.583 67.739 68.092 66.851 66.912

## Temperatures (°F)

1..12	67.934	67.791	71.495	71.103	71.726	72.308	71.74	73.175	72.513	73.06	68.221	67.545
13..24	67.862	71.35	70.716	72.92	76.121	74.786	75.323	72.361	72.265	75.215	75.333	75.333

Reading # 262 - Sep 09 17:30:23

## Pressures (PSIA)

1.. 3 74.173 74.17 14.325

## Dew Points (°F)

1.. 6 68.433 73.583 67.818 68.095 66.853 66.909

## Temperatures (°F)

1..12	67.934	67.791	71.499	71.103	71.735	72.322	71.749	73.156	72.536	73.074	68.221	67.545
13..24	67.848	71.36	70.725	72.911	76.743	74.763	75.313	72.375	72.274	75.215	75.319	75.324

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Reading # 263 - Sep 09 17:45:24

## Pressures (PSIA)

1.. 3 74.172 74.168 14.325

## Dew Points (°F)

1.. 6 68.43 73.581 67.818 68.092 66.926 66.909

## Temperatures (°F)

1..12	67.934	67.791	71.513	71.113	71.744	72.322	71.763	73.166	72.513	73.083	68.221	67.545
13..24	67.862	71.383	70.734	72.92	77.208	74.754	75.304	72.361	72.274	75.197	75.296	75.31

Reading # 264 - Sep 09 18:00:24

## Pressures (PSIA)

1.. 3 74.168 74.166 14.324

## Dew Points (°F)

1.. 6 68.512 73.578 67.818 68.165 66.923 66.909

## Temperatures (°F)

1..12	67.934	67.791	71.513	71.113	71.744	72.322	71.763	73.189	72.522	73.097	68.221	67.545
13..24	67.848	71.383	70.734	72.929	76.479	74.744	75.295	72.351	72.283	75.183	75.287	75.287

Reading # 265 - Sep 09 18:15:25

## Pressures (PSIA)

1.. 3 74.166 74.163 14.325

## Dew Points (°F)

1.. 6 68.434 73.578 67.818 68.092 66.929 66.909

## Temperatures (°F)

1..12	67.934	67.791	71.513	71.127	71.758	72.331	71.772	73.198	72.513	73.101	68.221	67.545
13..24	67.839	71.374	70.734	72.929	76.209	74.73	75.272	72.393	72.283	75.174	75.278	75.278

Reading # 266 - Sep 09 18:30:25

## Pressures (PSIA)

1.. 3 74.164 74.161 14.321

## Dew Points (°F)

1.. 6 68.433 73.577 67.894 68.167 66.926 66.985

## Temperatures (°F)

1..12	67.934	67.791	71.522	71.127	71.768	72.331	71.786	73.142	72.522	73.097	68.221	67.545
13..24	67.839	71.392	70.734	72.943	77.25	74.721	75.258	72.426	72.288	75.146	75.268	75.273

Reading # 267 - Sep 09 18:45:26

## Pressures (PSIA)

1.. 3 74.16 74.159 14.321

## Dew Points (°F)

1.. 6 68.515 73.581 67.818 68.092 67.008 66.912

## Temperatures (°F)

1..12	67.934	67.805	71.522	71.127	71.768	72.345	71.772	73.231	72.425	73.083	68.221	67.545
13..24	67.825	71.383	70.748	72.953	77.231	74.707	75.249	72.458	72.288	75.155	75.25	75.25

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Reading # 268 - Sep 09 19:00:26

													Pressures (PSIA)	
1.. 3	74.159	74.155	14.322											
													Dew Points (°F)	
1.. 6	68.509	73.498	67.815	68.167	67.002	66.906								
													Temperatures (°F)	
1..12	67.944	67.791	71.522	71.127	71.768	72.322	71.786	73.231	72.416	73.083	68.221	67.545		
13..24	67.825	71.383	70.748	72.953	77.319	74.698	75.239	72.426	72.288	75.132	75.25	75.24		

Reading # 269 - Sep 09 19:15:27

													Pressures (PSIA)	
1.. 3	74.156	74.153	14.323											
													Dew Points (°F)	
1.. 6	68.584	73.495	67.894	68.092	67.002	66.985								
													Temperatures (°F)	
1..12	67.934	67.791	71.536	71.127	71.782	72.331	71.786	73.175	72.416	73.083	68.221	67.545		
13..24	67.839	71.392	70.758	72.953	77.208	74.698	75.225	72.435	72.288	75.132	75.227	75.24		

Reading # 270 - Sep 09 19:30:27

													Pressures (PSIA)	
1.. 3	74.153	74.151	14.324											
													Dew Points (°F)	
1.. 6	68.588	73.498	67.9	68.092	67.09	66.909								
													Temperatures (°F)	
1..12	67.934	67.791	71.522	71.127	71.768	72.345	71.786	73.212	72.407	73.125	68.221	67.545		
13..24	67.839	71.383	70.748	72.953	77.417	74.689	75.216	72.426	72.283	75.109	75.199	75.213		

Reading # 271 - Sep 09 19:45:28

													Pressures (PSIA)	
1.. 3	74.151	74.147	14.324											
													Dew Points (°F)	
1.. 6	68.587	73.498	67.818	68.17	67.09	66.99								
													Temperatures (°F)	
1..12	67.948	67.809	71.541	71.131	71.786	72.35	71.791	73.193	72.402	73.111	68.231	67.55		
13..24	67.844	71.401	70.767	72.98	77.041	74.684	75.211	72.43	72.279	75.104	75.194	75.208		

Reading # 272 - Sep 09 20:00:29

													Pressures (PSIA)	
1.. 3	74.149	74.146	14.323											
													Dew Points (°F)	
1.. 6	68.584	73.498	67.815	68.17	67.083	66.909								
													Temperatures (°F)	
1..12	67.934	67.791	71.536	71.127	71.791	72.345	71.786	73.189	72.416	73.101	68.221	67.545		
13..24	67.839	71.392	70.758	72.976	76.785	74.665	75.184	72.458	72.288	75.09	75.194	75.194		

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## Reading # 273 - Sep 09 20:15:29

														Pressures (PSIA)	
1.. 3	74.146	74.143	14.325												
														Dew Points (°F)	
1.. 6	68.588	73.42	67.894	68.092	67.087	66.988									
														Temperatures (°F)	
1..12	67.944	67.805	71.546	71.127	71.782	72.345	71.795	73.189	72.439	73.101	68.221	67.545			
13..24	67.839	71.392	70.748	72.985	76.47	74.656	75.174	72.416	72.279	75.09	75.171	75.185			

## Reading # 274 - Sep 09 20:30:30

														Pressures (PSIA)	
1.. 3	74.143	74.141	14.326												
														Dew Points (°F)	
1.. 6	68.664	73.501	67.815	68.168	67.084	66.985									
														Temperatures (°F)	
1..12	67.934	67.805	71.546	71.113	71.791	72.345	71.805	73.24	72.416	73.125	68.221	67.555			
13..24	67.825	71.406	70.748	72.962	76.2	74.656	75.16	72.472	72.288	75.071	75.162	75.176			

## Reading # 275 - Sep 09 20:45:30

														Pressures (PSIA)	
1.. 3	74.141	74.138	14.324												
														Dew Points (°F)	
1.. 6	68.667	73.501	67.818	68.171	67.084	66.985									
														Temperatures (°F)	
1..12	67.934	67.805	71.546	71.113	71.791	72.345	71.795	73.221	72.425	73.138	68.221	67.555			
13..24	67.839	71.406	70.748	72.999	77.143	74.656	75.16	72.435	72.288	75.057	75.152	75.162			

## Reading # 276 - Sep 09 21:00:31

														Pressures (PSIA)	
1.. 3	74.14	74.137	14.325												
														Dew Points (°F)	
1.. 6	68.59	73.498	67.818	68.092	67.162	66.911									
														Temperatures (°F)	
1..12	67.944	67.805	71.546	71.127	71.791	72.364	71.795	73.254	72.425	73.138	68.235	67.555			
13..24	67.839	71.406	70.758	72.985	77.185	74.633	75.151	72.458	72.288	75.048	75.138	75.152			

## Reading # 277 - Sep 09 21:15:31

														Pressures (PSIA)	
1.. 3	74.138	74.133	14.327												
														Dew Points (°F)	
1.. 6	68.666	73.42	67.818	68.167	67.162	66.906									
														Temperatures (°F)	
1..12	67.944	67.791	71.555	71.113	71.8	72.364	71.805	73.24	72.416	73.148	68.221	67.555			
13..24	67.839	71.415	70.758	72.985	76.85	74.633	75.142	72.458	72.297	75.048	75.138	75.143			

# Calibrated Instrument Data

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Oconee Nuclear Station  
Unit 3 - 9/92**Reading # 278 - Sep 09 21:30:32****Pressures (PSIA)**

1.. 3 74.136 74.133 14.328

**Dew Points (°F)**

1.. 6 68.664 73.42 67.894 68.092 67.162 66.909

**Temperatures (°F)**

1..12	67.944	67.805	71.555	71.113	71.8	72.364	71.805	73.24	72.425	73.148	68.221	67.555
13..24	67.825	71.415	70.758	72.985	78.522	74.624	75.128	72.416	72.288	75.025	75.129	75.129

**Reading # 279 - Sep 09 21:45:32****Pressures (PSIA)**

1.. 3 74.133 74.13 14.328

**Dew Points (°F)**

1.. 6 68.591 73.417 67.815 68.171 67.159 66.961

**Temperatures (°F)**

1..12	67.944	67.805	71.555	71.113	71.81	72.364	71.814	73.24	72.448	73.115	68.221	67.555
13..24	67.848	71.415	70.758	72.999	77.24	74.624	75.128	72.491	72.297	75.025	75.106	75.129

**Reading # 280 - Sep 09 22:00:33****Pressures (PSIA)**

1.. 3 74.131 74.129 14.326

**Dew Points (°F)**

1.. 6 68.667 73.417 67.815 68.095 67.162 66.906

**Temperatures (°F)**

1..12	67.944	67.805	71.569	71.113	71.81	72.378	71.814	73.277	72.416	73.148	68.235	67.555
13..24	67.848	71.415	70.758	73.018	78.174	74.61	75.105	72.458	72.311	75.025	75.106	75.111

**Reading # 281 - Sep 09 22:15:33****Pressures (PSIA)**

1.. 3 74.129 74.126 14.325

**Dew Points (°F)**

1.. 6 68.588 73.42 67.815 68.168 67.165 66.906

**Temperatures (°F)**

1..12	67.944	67.805	71.569	71.113	71.823	72.364	71.828	73.24	72.439	73.138	68.235	67.569
13..24	67.839	71.415	70.758	73.027	78.336	74.601	75.105	72.514	72.311	75.006	75.097	75.111

**Reading # 282 - Sep 09 22:30:34****Pressures (PSIA)**

1.. 3 74.127 74.123 14.325

**Dew Points (°F)**

1.. 6 68.664 73.417 67.815 68.092 67.162 66.909

**Temperatures (°F)**

1..12	67.944	67.814	71.569	71.113	71.823	72.378	71.828	73.254	72.448	73.148	68.221	67.569
13..24	67.839	71.438	70.758	73.027	78.564	74.601	75.1	72.481	72.32	75.006	75.083	75.111



# Calibrated Instrument Data

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Oconee Nuclear Station  
Unit 3 - 9/92

Reading # 283 - Sep 09 22:45:34

Pressures (PSIA)

1.. 3 74.124 74.122 14.326

Dew Points (°F)

1.. 6 68.59 73.341 67.815 68.167 67.162 66.985

Temperatures (°F)

1..12	67.944	67.814	71.578	71.113	71.823	72.387	71.828	73.231	72.462	73.115	68.235	67.569
13..24	67.848	71.429	70.758	73.018	78.346	74.591	75.086	72.449	72.311	74.983	75.073	75.087

Reading # 284 - Sep 09 23:00:35

Pressures (PSIA)

1.. 3 74.123 74.12 14.326

Dew Points (°F)

1.. 6 68.584 73.416 67.818 68.092 67.323 66.985

Temperatures (°F)

1..12	67.944	67.805	71.578	71.113	71.823	72.387	71.828	73.31	72.481	73.138	68.221	67.569
13..24	67.839	71.438	70.758	73.027	77.175	74.591	75.086	72.491	72.32	74.969	75.073	75.074

Reading # 285 - Sep 09 23:15:35

Pressures (PSIA)

1.. 3 74.121 74.119 14.324

Dew Points (°F)

1.. 6 68.667 73.417 67.818 68.168 67.242 66.985

Temperatures (°F)

1..12	67.944	67.814	71.578	71.103	71.833	72.387	71.828	73.277	72.471	73.148	68.235	67.578
13..24	67.848	71.438	70.767	73.041	77.445	74.582	75.077	72.514	72.334	74.969	75.064	75.074

Reading # 286 - Sep 09 23:30:36

Pressures (PSIA)

1.. 3 74.119 74.117 14.321

Dew Points (°F)

1.. 6 68.59 73.423 67.818 68.092 67.32 66.986

Temperatures (°F)

1..12	67.953	67.814	71.578	71.103	71.833	72.401	71.837	73.407	72.462	73.157	68.235	67.569
13..24	67.848	71.448	70.758	73.027	77.849	74.582	75.077	72.514	72.325	74.965	75.06	75.06

Reading # 287 - Sep 09 23:45:36

Pressures (PSIA)

1.. 3 74.118 74.115 14.32

Dew Points (°F)

1.. 6 68.669 73.42 67.818 68.174 67.325 66.911

Temperatures (°F)

1..12	67.962	67.819	71.597	71.122	71.851	72.406	71.833	73.403	72.444	73.189	68.24	67.587
13..24	67.857	71.443	70.776	73.027	77.691	74.587	75.072	72.486	72.344	74.969	75.041	75.064

# Calibrated Instrument Data

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Oconee Nuclear Station  
Unit 3 - 9/92

Reading # 288 - Sep 10 00:00:37

Pressures (PSIA)

1.. 3 74.115 74.112 14.322

Dew Points (°F)

1.. 6 68.667 73.344 67.818 68.095 67.326 66.988

Temperatures (°F)

1..12	67.962	67.819	71.597	71.122	71.861	72.406	71.856	73.403	72.467	73.189	68.24	67.587
13..24	67.857	71.452	70.767	73.013	78.406	74.577	75.058	72.542	72.344	74.951	75.041	75.064

Reading # 289 - Sep 10 00:15:37

Pressures (PSIA)

1.. 3 74.113 74.111 14.319

Dew Points (°F)

1.. 6 68.667 73.344 67.818 68.092 67.323 66.988

Temperatures (°F)

1..12	67.953	67.814	71.592	71.113	71.842	72.406	71.846	73.394	72.462	73.203	68.221	67.578
13..24	67.848	71.448	70.767	73.027	78.36	74.568	75.045	72.556	72.353	74.951	75.032	75.055

Reading # 290 - Sep 10 00:30:38

Pressures (PSIA)

1.. 3 74.112 74.11 14.317

Dew Points (°F)

1.. 6 68.669 73.344 67.818 68.016 67.325 66.986

Temperatures (°F)

1..12	67.953	67.823	71.592	71.113	71.856	72.406	71.846	73.417	72.462	73.236	68.235	67.578
13..24	67.848	71.457	70.767	73.027	77.663	74.559	75.031	72.556	72.348	74.941	75.027	75.036

Reading # 291 - Sep 10 00:45:38

Pressures (PSIA)

1.. 3 74.111 74.107 14.319

Dew Points (°F)

1.. 6 68.588 73.338 67.818 68.017 67.326 66.985

Temperatures (°F)

1..12	67.953	67.823	71.597	71.113	71.856	72.42	71.86	73.319	72.481	73.213	68.235	67.587
13..24	67.862	71.457	70.767	73.027	76.535	74.559	75.031	72.579	72.353	74.937	75.022	75.046

Reading # 292 - Sep 10 01:00:39

Pressures (PSIA)

1.. 3 74.108 74.107 14.32

Dew Points (°F)

1.. 6 68.509 73.338 67.818 68.016 67.395 66.985

Temperatures (°F)

1..12	67.971	67.833	71.606	71.122	71.875	72.438	71.865	73.328	72.499	73.176	68.24	67.592
13..24	67.867	71.466	70.776	73.059	75.759	74.563	75.026	72.551	72.353	74.928	75.022	75.032

# Calibrated Instrument Data

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Oconee Nuclear Station  
Unit 3 - 9/92**Reading # 293 - Sep 10 01:15:39****Pressures (PSIA)**

1.. 3 74.107 74.103 14.321

**Dew Points (°F)**

1.. 6 68.588 73.341 67.818 68.017 67.32 66.909

**Temperatures (°F)**

1..12	67.967	67.823	71.611	71.113	71.865	72.429	71.87	73.31	72.504	73.171	68.235	67.587
13..24	67.862	71.471	70.767	73.073	76.209	74.549	75.021	72.546	72.358	74.914	75.004	75.027

**Reading # 294 - Sep 10 01:30:40****Pressures (PSIA)**

1.. 3 74.104 74.102 14.322

**Dew Points (°F)**

1.. 6 68.512 73.338 67.821 68.014 67.32 66.988

**Temperatures (°F)**

1..12	67.967	67.823	71.62	71.127	71.879	72.443	71.87	73.31	72.504	73.194	68.235	67.587
13..24	67.862	71.48	70.781	73.073	74.766	74.549	75.012	72.5	72.358	74.9	75.004	75.027

**Reading # 295 - Sep 10 01:35:40****Pressures (PSIA)**

1.. 3 74.104 74.101 14.324

**Dew Points (°F)**

1.. 6 68.591 73.338 67.818 68.017 67.401 66.985

**Temperatures (°F)**

1..12	67.967	67.823	71.62	71.127	71.879	72.429	71.87	73.319	72.495	73.194	68.235	67.587
13..24	67.862	71.48	70.781	73.073	75.049	74.549	75.012	72.514	72.358	74.923	75.004	75.027

**Reading # 296 - Sep 10 01:40:40****Pressures (PSIA)**

1.. 3 74.105 74.101 14.325

**Dew Points (°F)**

1.. 6 68.588 73.341 67.821 67.932 67.323 66.991

**Temperatures (°F)**

1..12	67.967	67.823	71.62	71.127	71.888	72.443	71.884	73.361	72.513	73.194	68.235	67.587
13..24	67.871	71.489	70.781	73.083	74.715	74.549	75.012	72.514	72.376	74.895	75.008	75.023

**Reading # 297 - Sep 10 01:45:41****Pressures (PSIA)**

1.. 3 74.102 74.101 14.324

**Dew Points (°F)**

1.. 6 68.588 73.341 67.818 68.017 67.404 66.912

**Temperatures (°F)**

1..12	67.967	67.823	71.62	71.113	71.888	72.443	71.884	73.352	72.495	73.18	68.235	67.596
13..24	67.862	71.48	70.781	73.083	75.341	74.536	75.012	72.57	72.376	74.909	74.999	75.023

# Calibrated Instrument Data

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Oconee Nuclear Station  
Unit 3 - 9/92

Reading # 298 - Sep 10 02:00:15

## Pressures (PSIA)

1.. 3 74.101 74.098 14.327

## Dew Points (°F)

1.. 6 68.585 73.338 67.737 68.095 67.32 66.985

## Temperatures (°F)

1..12	67.967	67.823	71.62	71.127	71.888	72.443	71.884	73.375	72.481	73.213	68.235	67.596
13..24	67.871	71.489	70.781	73.096	75.429	74.536	75.012	72.556	72.376	74.895	74.985	75.013

Reading # 299 - Sep 10 02:15:24

## Pressures (PSIA)

1.. 3 74.1 74.097 14.327

## Dew Points (°F)

1.. 6 68.588 73.338 67.894 68.017 67.404 66.985

## Temperatures (°F)

1..12	67.976	67.823	71.634	71.145	71.898	72.452	71.893	73.352	72.522	73.213	68.235	67.596
13..24	67.871	71.489	70.781	73.106	74.682	74.536	74.998	72.533	72.376	74.895	74.976	75.013

Reading # 300 - Sep 10 02:30:24

## Pressures (PSIA)

1.. 3 74.098 74.095 14.326

## Dew Points (°F)

1.. 6 68.667 73.341 67.818 68.092 67.401 66.909

## Temperatures (°F)

1..12	67.967	67.837	71.634	71.145	71.898	72.461	71.893	73.384	72.522	73.203	68.235	67.596
13..24	67.871	71.489	70.781	73.106	73.498	74.526	74.989	72.533	72.39	74.904	74.981	75.009

Reading # 301 - Sep 10 02:45:25

## Pressures (PSIA)

1.. 3 74.097 74.094 14.328

## Dew Points (°F)

1.. 6 68.587 73.265 67.818 68.016 67.403 66.986

## Temperatures (°F)

1..12	67.976	67.837	71.643	71.159	71.898	72.461	71.902	73.338	72.546	73.236	68.235	67.596
13..24	67.871	71.503	70.79	73.115	73.563	74.526	74.989	72.533	72.385	74.872	74.967	74.999

Reading # 302 - Sep 10 03:00:25

## Pressures (PSIA)

1.. 3 74.095 74.091 14.328

## Dew Points (°F)

1.. 6 68.666 73.262 67.896 68.095 67.406 66.986

## Temperatures (°F)

1..12	67.976	67.837	71.643	71.145	71.907	72.461	71.902	73.352	72.536	73.245	68.245	67.61
13..24	67.881	71.503	70.781	73.124	73.443	74.526	74.989	72.533	72.395	74.863	74.967	74.999

# Calibrated Instrument Data

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Oconee Nuclear Station  
Unit 3 - 9/92**Reading # 303 - Sep 10 03:15:26****Pressures (PSIA)**

1.. 3 74.093 74.091 14.329

**Dew Points (°F)**

1.. 6 68.587 73.262 67.821 68.092 67.403 66.986

**Temperatures (°F)**

1..12	67.976	67.837	71.652	71.159	71.907	72.475	71.902	73.394	72.536	73.245	68.245	67.61
13..24	67.871	71.503	70.799	73.124	73.466	74.526	74.98	72.579	72.413	74.89	74.962	74.995

**Reading # 304 - Sep 10 03:30:26****Pressures (PSIA)**

1.. 3 74.092 74.09 14.33

**Dew Points (°F)**

1.. 6 68.591 73.26 67.818 68.092 67.477 66.985

**Temperatures (°F)**

1..12	67.981	67.833	71.638	71.154	71.916	72.471	71.911	73.501	72.564	73.254	68.24	67.592
13..24	67.876	71.522	70.785	73.124	73.48	74.522	74.975	72.551	72.413	74.881	74.962	74.995

**Reading # 305 - Sep 10 03:45:27****Pressures (PSIA)**

1.. 3 74.091 74.087 14.328

**Dew Points (°F)**

1.. 6 68.667 73.26 67.818 68.092 67.48 66.988

**Temperatures (°F)**

1..12	67.981	67.833	71.648	71.164	71.926	72.471	71.911	73.477	72.532	73.254	68.24	67.606
13..24	67.885	71.522	70.799	73.101	73.42	74.508	74.975	72.639	72.413	74.858	74.948	74.962

**Reading # 306 - Sep 10 04:00:27****Pressures (PSIA)**

1.. 3 74.088 74.086 14.327

**Dew Points (°F)**

1.. 6 68.666 73.262 67.818 68.092 67.477 66.985

**Temperatures (°F)**

1..12	67.99	67.851	71.657	71.173	71.93	72.489	71.916	73.482	72.55	73.268	68.249	67.624
13..24	67.904	71.527	70.804	73.11	73.401	74.517	74.97	72.635	72.427	74.867	74.953	74.985

**Reading # 307 - Sep 10 04:15:28****Pressures (PSIA)**

1.. 3 74.088 74.085 14.327

**Dew Points (°F)**

1.. 6 68.588 73.26 67.894 68.017 67.477 66.985

**Temperatures (°F)**

1..12	67.981	67.842	71.662	71.164	71.926	72.48	71.921	73.487	72.532	73.273	68.24	67.615
13..24	67.908	71.522	70.799	73.11	73.438	74.508	74.961	72.639	72.418	74.853	74.957	74.976

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Oconee Nuclear Station  
Unit 3 - 9/92

Reading # 308 - Sep 10 04:30:28

## Pressures (PSIA)

1.. 3 74.086 74.084 14.328

## Dew Points (°F)

1.. 6 68.587 73.183 67.896 68.016 67.552 66.986

## Temperatures (°F)

1..12	67.981	67.842	71.662	71.164	71.935	72.494	71.921	73.487	72.573	73.254	68.24	67.615
13..24	67.908	71.531	70.809	73.124	73.452	74.508	74.961	72.672	72.436	74.849	74.953	74.985

Reading # 309 - Sep 10 04:45:29

## Pressures (PSIA)

1.. 3 74.085 74.082 14.33

## Dew Points (°F)

1.. 6 68.59 73.265 67.818 68.016 67.477 66.986

## Temperatures (°F)

1..12	67.995	67.842	71.671	71.178	71.935	72.503	71.93	73.487	72.573	73.273	68.249	67.629
13..24	67.918	71.531	70.809	73.124	73.591	74.498	74.952	72.649	72.446	74.867	74.953	74.985

Reading # 310 - Sep 10 05:00:29

## Pressures (PSIA)

1.. 3 74.084 74.081 14.33

## Dew Points (°F)

1.. 6 68.587 73.183 67.899 68.016 67.477 66.99

## Temperatures (°F)

1..12	67.995	67.856	71.671	71.178	71.949	72.503	71.944	73.51	72.555	73.305	68.24	67.615
13..24	67.918	71.531	70.809	73.124	73.48	74.508	74.952	72.63	72.45	74.863	74.944	74.976

Reading # 311 - Sep 10 05:15:30

## Pressures (PSIA)

1.. 3 74.083 74.079 14.332

## Dew Points (°F)

1.. 6 68.509 73.183 67.818 68.019 67.552 66.986

## Temperatures (°F)

1..12	67.999	67.86	71.689	71.191	71.967	72.508	71.948	73.44	72.56	73.333	68.249	67.633
13..24	67.927	71.559	70.813	73.129	73.447	74.503	74.956	72.658	72.459	74.863	74.944	74.976

Reading # 312 - Sep 10 05:30:30

## Pressures (PSIA)

1.. 3 74.081 74.077 14.33

## Dew Points (°F)

1.. 6 68.512 73.181 67.818 68.017 67.553 66.988

## Temperatures (°F)

1..12	68.004	67.856	71.685	71.182	71.958	72.522	71.953	73.403	72.597	73.264	68.249	67.615
13..24	67.918	71.55	70.818	73.157	73.471	74.498	74.952	72.616	72.45	74.853	74.944	74.99

# Calibrated Instrument Data

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Oconee Nuclear Station  
Unit 3 - 9/92

Reading # 313 - Sep 10 05:45:31

## Pressures (PSIA)

1.. 3 74.08 74.076 14.331

## Dew Points (°F)

1.. 6 68.512 73.184 67.818 67.935 67.553 66.988

## Temperatures (°F)

1..12	68.008	67.86	71.708	71.191	71.977	72.531	71.958	73.431	72.624	73.282	68.254	67.633
13..24	67.927	71.568	70.822	73.171	73.457	74.503	74.956	72.658	72.45	74.853	74.944	74.99

Reading # 314 - Sep 10 06:00:31

## Pressures (PSIA)

1.. 3 74.079 74.075 14.332

## Dew Points (°F)

1.. 6 68.666 73.183 67.818 67.932 67.552 66.99

## Temperatures (°F)

1..12	68.004	67.856	71.694	71.196	71.972	72.522	71.962	73.435	72.615	73.287	68.249	67.629
13..24	67.918	71.564	70.818	73.175	73.461	74.498	74.952	72.607	72.459	74.839	74.944	74.967

Reading # 315 - Sep 10 06:15:32

## Pressures (PSIA)

1.. 3 74.077 74.075 14.334

## Dew Points (°F)

1.. 6 68.591 73.105 67.894 68.017 67.553 66.988

## Temperatures (°F)

1..12	68.008	67.87	71.708	71.201	71.986	72.554	71.981	73.463	72.615	73.301	68.268	67.643
13..24	67.936	71.582	70.822	73.194	73.466	74.503	74.956	72.644	72.464	74.858	74.939	74.962

Reading # 316 - Sep 10 06:30:32

## Pressures (PSIA)

1.. 3 74.076 74.074 14.337

## Dew Points (°F)

1.. 6 68.59 73.183 67.818 68.016 67.477 66.986

## Temperatures (°F)

1..12	68.013	67.865	71.713	71.205	71.981	72.536	71.976	73.542	72.615	73.315	68.249	67.638
13..24	67.932	71.573	70.827	73.199	73.438	74.498	74.943	72.662	72.478	74.844	74.925	74.972

Reading # 317 - Sep 10 06:45:33

## Pressures (PSIA)

1.. 3 74.075 74.072 14.338

## Dew Points (°F)

1.. 6 68.666 73.186 67.896 67.934 67.552 66.986

## Temperatures (°F)

1..12	68.013	67.865	71.713	71.205	71.991	72.559	71.986	73.468	72.629	73.296	68.258	67.638
13..24	67.941	71.587	70.827	73.189	73.452	74.498	74.943	72.69	72.497	74.853	74.934	74.967

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**Reading # 318 - Sep 10 07:00:33****Pressures (PSIA)**

1.. 3 74.074 74.071 14.337

**Dew Points (°F)**

1.. 6 68.587 73.111 67.821 68.016 67.552 66.986

**Temperatures (°F)**

1..12	68.013	67.865	71.713	71.205	72.005	72.559	71.986	73.412	72.638	73.305	68.258	67.647
13..24	67.941	71.596	70.841	73.222	73.461	74.498	74.943	72.639	72.497	74.853	74.934	74.967

**Reading # 319 - Sep 10 07:15:34****Pressures (PSIA)**

1.. 3 74.072 74.069 14.338

**Dew Points (°F)**

1.. 6 68.588 73.108 67.818 68.017 67.555 66.991

**Temperatures (°F)**

1..12	68.013	67.865	71.713	71.219	72.005	72.568	71.995	73.51	72.638	73.338	68.258	67.647
13..24	67.941	71.596	70.841	73.222	73.471	74.498	74.943	72.639	72.506	74.853	74.944	74.967

**Reading # 320 - Sep 10 07:30:34****Pressures (PSIA)**

1.. 3 74.071 74.068 14.337

**Dew Points (°F)**

1.. 6 68.587 73.105 67.821 68.089 67.477 67.072

**Temperatures (°F)**

1..12	68.027	67.874	71.736	71.219	72.014	72.568	71.995	73.477	72.661	73.328	68.272	67.647
13..24	67.941	71.605	70.85	73.231	73.517	74.498	74.943	72.649	72.506	74.839	74.944	74.967

**Reading # 321 - Sep 10 07:45:35****Pressures (PSIA)**

1.. 3 74.072 74.068 14.339

**Dew Points (°F)**

1.. 6 68.666 73.105 67.896 68.019 67.552 67.069

**Temperatures (°F)**

1..12	68.027	67.874	71.736	71.219	72.023	72.577	72.009	73.468	72.671	73.338	68.272	67.647
13..24	67.941	71.605	70.85	73.24	73.517	74.498	74.943	72.714	72.51	74.835	74.925	74.962

**Reading # 322 - Sep 10 08:00:35****Pressures (PSIA)**

1.. 3 74.07 74.067 14.342

**Dew Points (°F)**

1.. 6 68.664 73.105 67.818 68.092 67.553 67.069

**Temperatures (°F)**

1..12	68.032	67.884	71.745	71.233	72.032	72.587	72.013	73.547	72.68	73.324	68.277	67.666
13..24	67.95	71.624	70.86	73.25	73.512	74.503	74.947	72.7	72.515	74.839	74.944	74.967



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Reading # 323 - Sep 10 08:15:36

## Pressures (PSIA)

1.. 3 74.069 74.067 14.345

## Dew Points (°F)

1.. 6 68.667 73.105 67.818 68.089 67.555 66.991

## Temperatures (°F)

1..12 68.036 67.874 71.759 71.229 72.032 72.601 72.018 73.477 72.671 73.338 68.272 67.661  
13..24 67.955 71.628 70.864 73.254 73.577 74.498 74.943 72.727 72.529 74.853 74.934 74.958

Reading # 324 - Sep 10 08:30:36

## Pressures (PSIA)

1.. 3 74.068 74.065 14.346

## Dew Points (°F)

1.. 6 68.748 73.026 67.896 68.092 67.555 67.069

## Temperatures (°F)

1..12 68.046 67.893 71.764 71.247 72.051 72.605 72.036 73.482 72.666 73.366 68.277 67.666  
13..24 67.96 71.633 70.869 73.259 73.642 74.517 74.938 72.732 72.538 74.83 74.925 74.958

Reading # 325 - Sep 10 08:45:37

## Pressures (PSIA)

1.. 3 74.066 74.063 14.346

## Dew Points (°F)

1.. 6 68.669 73.033 67.897 68.092 67.629 67.069

## Temperatures (°F)

1..12 68.046 67.893 71.764 71.247 72.051 72.614 72.036 73.505 72.689 73.356 68.277 67.666  
13..24 67.969 71.642 70.869 73.268 73.61 74.517 74.938 72.709 72.538 74.839 74.925 74.967

Reading # 326 - Sep 10 09:00:37

## Pressures (PSIA)

1.. 3 74.066 74.063 14.348

## Dew Points (°F)

1.. 6 68.666 73.028 67.894 68.092 67.628 67.072

## Temperatures (°F)

1..12 68.036 67.884 71.759 71.252 72.056 72.601 72.041 73.621 72.685 73.393 68.282 67.661  
13..24 67.964 71.638 70.873 73.254 73.601 74.508 74.943 72.714 72.552 74.83 74.934 74.958

Reading # 327 - Sep 10 09:15:38

## Pressures (PSIA)

1.. 3 74.066 74.063 14.348

## Dew Points (°F)

1.. 6 68.669 73.035 67.818 68.016 67.628 67.069

## Temperatures (°F)

1..12 68.036 67.897 71.768 71.252 72.056 72.619 72.05 73.621 72.685 73.393 68.282 67.67  
13..24 67.964 71.647 70.883 73.24 73.577 74.508 74.943 72.779 72.557 74.821 74.934 74.967

# Calibrated Instrument Data

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Reading # 328 - Sep 10 09:30:38

Pressures (PSIA)

1.. 3 74.064 74.062 14.346

Dew Points (°F)

1.. 6 68.588 73.033 67.897 68.02 67.629 67.069

Temperatures (°F)

1..12 68.05 67.897 71.768 71.261 72.07 72.619 72.041 73.631 72.703 73.384 68.282 67.684  
13..24 67.964 71.647 70.883 73.254 73.536 74.508 74.943 72.788 72.552 74.835 74.925 74.962

Reading # 329 - Sep 10 09:45:39

Pressures (PSIA)

1.. 3 74.065 74.062 14.342

Dew Points (°F)

1.. 6 68.588 72.945 67.894 68.089 67.71 67.066

Temperatures (°F)

1..12 68.055 67.902 71.787 71.256 72.074 72.638 72.055 73.668 72.699 73.421 68.291 67.689  
13..24 67.969 71.666 70.901 73.259 73.573 74.526 74.947 72.797 72.561 74.825 74.925 74.962

Reading # 330 - Sep 10 10:00:39

Pressures (PSIA)

1.. 3 74.064 74.059 14.341

Dew Points (°F)

1.. 6 68.588 72.948 67.818 68.017 67.708 67.069

Temperatures (°F)

1..12 68.078 67.911 71.805 71.28 72.097 72.652 72.078 73.57 72.722 73.444 68.3 67.698  
13..24 67.992 71.679 70.911 73.282 73.573 74.54 74.956 72.797 72.561 74.835 74.925 74.972

Reading # 331 - Sep 10 10:15:40

Pressures (PSIA)

1.. 3 74.062 74.06 14.342

Dew Points (°F)

1.. 6 68.585 73.029 67.815 68.014 67.708 67.066

Temperatures (°F)

1..12 68.069 67.907 71.801 71.275 72.088 72.656 72.074 73.631 72.736 73.393 68.305 67.694  
13..24 67.983 71.67 70.915 73.31 73.591 74.531 74.952 72.811 72.58 74.839 74.934 74.976

Reading # 332 - Sep 10 10:30:40

Pressures (PSIA)

1.. 3 74.062 74.059 14.346

Dew Points (°F)

1.. 6 68.512 72.948 67.894 68.017 67.632 67.069

Temperatures (°F)

1..12 68.069 67.916 71.81 71.293 72.102 72.665 72.097 73.552 72.736 73.412 68.305 67.694  
13..24 67.983 71.684 70.915 73.329 73.601 74.531 74.952 72.746 72.575 74.844 74.925 74.972

# Calibrated Instrument Data

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## Reading # 333 - Sep 10 10:45:41

### Pressures (PSIA)

1.. 3 74.06 74.058 14.347

### Dew Points (°F)

1.. 6 68.588 72.948 67.894 68.017 67.71 67.069

### Temperatures (°F)

1..12 68.064 67.911 71.805 71.284 72.102 72.661 72.087 73.57 72.731 73.407 68.309 67.694  
13..24 67.987 71.689 70.92 73.333 73.605 74.536 74.947 72.792 72.58 74.853 74.934 74.99

## Reading # 334 - Sep 10 11:00:41

### Pressures (PSIA)

1.. 3 74.06 74.056 14.347

### Dew Points (°F)

1.. 6 68.667 72.948 67.815 68.02 67.71 67.145

### Temperatures (°F)

1..12 68.069 67.916 71.824 71.317 72.121 72.675 72.106 73.575 72.791 73.426 68.314 67.694  
13..24 67.997 71.703 70.924 73.338 73.624 74.545 74.952 72.779 72.585 74.844 74.916 74.972

## Reading # 335 - Sep 10 11:15:16

### Pressures (PSIA)

1.. 3 74.059 74.055 14.343

### Dew Points (°F)

1.. 6 68.667 72.954 67.821 68.092 67.71 67.069

### Temperatures (°F)

1..12 68.073 67.911 71.815 71.307 72.125 72.693 72.106 73.589 72.773 73.417 68.319 67.694  
13..24 67.987 71.707 70.929 73.333 73.619 74.526 74.947 72.792 72.599 74.844 74.925 74.962

## Reading # 336 - Sep 10 11:30:16

### Pressures (PSIA)

1.. 3 74.058 74.056 14.341

### Dew Points (°F)

1.. 6 68.664 72.872 67.818 68.014 67.629 67.072

### Temperatures (°F)

1..12 68.073 67.921 71.829 71.331 72.125 72.693 72.12 73.58 72.782 73.43 68.319 67.708  
13..24 67.987 71.717 70.929 73.356 73.619 74.536 74.947 72.783 72.603 74.853 74.934 74.976

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## Reading # 337 - Sep 10 11:45:17

### Pressures (PSIA)

1.. 3 74.058 74.054 14.342

### Dew Points (°F)

1.. 6 68.666 72.95 67.821 68.089 67.71 67.144

### Temperatures (°F)

1..12 68.078 67.93 71.847 71.358 72.144 72.698 72.138 73.64 72.814 73.458 68.337 67.712  
13..24 67.997 71.735 70.962 73.361 73.721 74.545 74.952 72.844 72.608 74.858 74.925 74.972

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Unit 3 - 9/92**Reading # 338 - Sep 10 12:00:17****Pressures (PSIA)**

1.. 3 74.056 74.054 14.339

**Dew Points (°F)**

1.. 6 68.664 72.948 67.818 68.089 67.705 67.142

**Temperatures (°F)**

1..12	68.083	67.935	71.852	71.363	72.149	72.703	72.143	73.645	72.796	73.454	68.342	67.708
13..24	67.987	71.73	70.966	73.356	73.703	74.536	74.947	72.765	72.608	74.844	74.925	74.972

**Reading # 339 - Sep 10 12:15:18****Pressures (PSIA)**

1.. 3 74.057 74.053 14.341

**Dew Points (°F)**

1.. 6 68.667 72.869 67.818 68.089 67.708 67.145

**Temperatures (°F)**

1..12	68.073	67.921	71.852	71.377	72.149	72.703	72.143	73.645	72.805	73.472	68.342	67.708
13..24	67.987	71.74	70.966	73.375	73.717	74.536	74.947	72.774	72.617	74.835	74.925	74.972

**Reading # 340 - Sep 10 12:30:17****Pressures (PSIA)**

1.. 3 74.056 74.052 14.336

**Dew Points (°F)**

1.. 6 68.667 72.872 67.821 68.017 67.71 67.145

**Temperatures (°F)**

1..12	68.083	67.935	71.861	71.382	72.158	72.712	72.152	73.635	72.819	73.472	68.342	67.708
13..24	68.001	71.749	70.975	73.375	73.726	74.549	74.956	72.83	72.636	74.863	74.944	74.99

**Reading # 341 - Sep 10 12:45:17****Pressures (PSIA)**

1.. 3 74.055 74.052 14.336

**Dew Points (°F)**

1.. 6 68.669 72.869 67.818 68.092 67.708 67.145

**Temperatures (°F)**

1..12	68.083	67.935	71.861	71.405	72.172	72.721	72.162	73.645	72.819	73.472	68.351	67.717
13..24	68.001	71.749	70.985	73.389	73.749	74.549	74.956	72.816	72.64	74.858	74.939	74.972

**Reading # 342 - Sep 10 13:00:19****Pressures (PSIA)**

1.. 3 74.054 74.052 14.332

**Dew Points (°F)**

1.. 6 68.669 72.872 67.818 68.095 67.71 67.145

**Temperatures (°F)**

1..12	68.101	67.953	71.88	71.414	72.186	72.74	72.18	73.64	72.824	73.5	68.356	67.726
13..24	68.006	71.781	71.003	73.393	73.744	74.563	74.961	72.834	72.64	74.844	74.939	74.972

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Reading # 343 - Sep 10 13:15:18

## Pressures (PSIA)

1.. 3 74.054 74.05 14.33

## Dew Points (°F)

1.. 6 68.667 72.869 67.818 68.092 67.708 67.145

## Temperatures (°F)

1..12 68.097 67.935 71.88 71.419 72.19 72.744 72.176 73.645 72.828 73.486 68.351 67.731  
13..24 68.001 71.772 71.008 73.412 73.758 74.549 74.956 72.839 72.654 74.844 74.939 74.981

Reading # 344 - Sep 10 13:30:19

## Pressures (PSIA)

1.. 3 74.053 74.05 14.332

## Dew Points (°F)

1.. 6 68.748 72.872 67.818 68.092 67.71 67.145

## Temperatures (°F)

1..12 68.097 67.944 71.893 71.428 72.19 72.758 72.185 73.677 72.879 73.505 68.351 67.717  
13..24 68.011 71.786 71.008 73.412 73.679 74.549 74.956 72.83 72.659 74.844 74.939 74.981

Reading # 345 - Sep 10 13:45:19

## Pressures (PSIA)

1.. 3 74.053 74.05 14.329

## Dew Points (°F)

1.. 6 68.751 72.872 67.894 68.017 67.713 67.145

## Temperatures (°F)

1..12 68.106 67.958 71.893 71.451 72.2 72.758 72.199 73.654 72.861 73.495 68.351 67.731  
13..24 68.001 71.795 71.017 73.417 73.726 74.549 74.966 72.881 72.668 74.863 74.957 74.99

Reading # 346 - Sep 10 14:00:20

## Pressures (PSIA)

1.. 3 74.052 74.049 14.323

## Dew Points (°F)

1.. 6 68.748 72.796 67.818 68.089 67.71 67.227

## Temperatures (°F)

1..12 68.106 67.958 71.893 71.46 72.214 72.768 72.199 73.677 72.861 73.514 68.351 67.74  
13..24 68.011 71.805 71.026 73.44 73.735 74.559 74.966 72.848 72.673 74.858 74.939 74.981

Reading # 347 - Sep 10 14:15:20

## Pressures (PSIA)

1.. 3 74.051 74.048 14.32

## Dew Points (°F)

1.. 6 68.748 72.793 67.897 68.089 67.787 67.227

## Temperatures (°F)

1..12 68.106 67.958 71.912 71.474 72.223 72.768 72.203 73.687 72.861 73.528 68.351 67.74  
13..24 68.02 71.814 71.04 73.454 73.8 74.559 74.966 72.881 72.682 74.867 74.939 74.981

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Reading # 348 - Sep 10 14:30:21

## Pressures (PSIA)

1.. 3 74.051 74.048 14.317

## Dew Points (°F)

1.. 6 68.748 72.793 67.821 68.168 67.787 67.227

## Temperatures (°F)

1..12 68.106 67.958 71.926 71.484 72.223 72.777 72.217 73.71 72.861 73.537 68.36 67.74  
13..24 68.011 71.828 71.05 73.454 73.749 74.568 74.966 72.904 72.696 74.867 74.948 74.981

Reading # 349 - Sep 10 14:45:21

## Pressures (PSIA)

1.. 3 74.051 74.047 14.315

## Dew Points (°F)

1.. 6 68.748 72.796 67.894 68.095 67.784 67.227

## Temperatures (°F)

1..12 68.106 67.967 71.926 71.493 72.237 72.791 72.227 73.798 72.879 73.583 68.36 67.74  
13..24 68.02 71.828 71.063 73.454 73.758 74.568 74.966 72.913 72.696 74.867 74.948 74.995

Reading # 350 - Sep 10 15:00:22

## Pressures (PSIA)

1.. 3 74.051 74.048 14.313

## Dew Points (°F)

1.. 6 68.748 72.721 67.897 68.095 67.865 67.227

## Temperatures (°F)

1..12 68.115 67.967 71.926 71.516 72.246 72.8 72.24 73.808 72.875 73.583 68.36 67.749  
13..24 68.02 71.828 71.073 73.431 73.758 74.568 74.966 72.955 72.705 74.867 74.962 74.995

Reading # 351 - Sep 10 15:15:22

## Pressures (PSIA)

1.. 3 74.05 74.048 14.309

## Dew Points (°F)

1.. 6 68.75 72.79 67.815 68.17 67.862 67.226

## Temperatures (°F)

1..12 68.115 67.967 71.935 71.516 72.246 72.791 72.25 73.798 72.893 73.602 68.36 67.749  
13..24 68.034 71.837 71.082 73.431 73.703 74.568 74.98 72.927 72.724 74.886 74.967 74.999

Reading # 352 - Sep 10 15:30:23

## Pressures (PSIA)

1.. 3 74.05 74.048 14.307

## Dew Points (°F)

1.. 6 68.667 72.796 67.894 68.095 67.865 67.224

## Temperatures (°F)

1..12 68.134 67.981 71.954 71.535 72.265 72.814 72.254 73.826 72.898 73.62 68.379 67.768  
13..24 68.038 71.856 71.101 73.458 73.712 74.587 74.984 72.964 72.728 74.876 74.962 74.995

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Reading # 353 - Sep 10 15:45:23

## Pressures (PSIA)

1.. 3 74.051 74.047 14.303

## Dew Points (°F)

1.. 6 68.664 72.724 67.897 68.092 67.943 67.23

## Temperatures (°F)

1..12	68.134	67.981	71.963	71.544	72.274	72.814	72.268	73.835	72.898	73.62	68.379	67.768
13..24	68.029	71.865	71.101	73.449	73.754	74.596	74.984	72.997	72.738	74.89	74.962	74.995

Reading # 354 - Sep 10 16:00:24

## Pressures (PSIA)

1.. 3 74.052 74.048 14.304

## Dew Points (°F)

1.. 6 68.588 72.793 67.894 68.092 67.865 67.227

## Temperatures (°F)

1..12	68.129	67.976	71.968	71.549	72.269	72.819	72.259	73.849	72.893	73.611	68.374	67.763
13..24	68.034	71.87	71.105	73.454	73.726	74.591	74.989	72.955	72.733	74.881	74.953	74.999

Reading # 355 - Sep 10 16:15:24

## Pressures (PSIA)

1.. 3 74.051 74.049 14.298

## Dew Points (°F)

1.. 6 68.591 72.793 67.982 68.092 67.868 67.227

## Temperatures (°F)

1..12	68.148	67.995	71.986	71.567	72.297	72.828	72.278	73.845	72.93	73.62	68.379	67.777
13..24	68.038	71.879	71.119	73.468	73.795	74.605	74.998	73.006	72.752	74.89	74.971	75.004

Reading # 356 - Sep 10 16:30:25

## Pressures (PSIA)

1.. 3 74.051 74.049 14.294

## Dew Points (°F)

1.. 6 68.591 72.796 67.897 68.095 67.943 67.224

## Temperatures (°F)

1..12	68.138	67.986	71.977	71.558	72.292	72.832	72.296	73.849	72.935	73.625	68.374	67.772
13..24	68.043	71.883	71.114	73.463	73.758	74.601	74.989	73.025	72.765	74.909	74.976	75.023

Reading # 357 - Sep 10 16:45:25

## Pressures (PSIA)

1.. 3 74.053 74.049 14.293

## Dew Points (°F)

1.. 6 68.588 72.724 67.897 68.092 67.865 67.227

## Temperatures (°F)

1..12	68.138	67.986	71.991	71.572	72.297	72.842	72.301	73.863	72.958	73.634	68.398	67.772
13..24	68.043	71.893	71.124	73.472	73.758	74.61	74.998	73.001	72.752	74.895	74.976	75.009

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## Reading # 358 - Sep 10 17:00:26

														Pressures (PSIA)	
1.. 3	74.051	74.048	14.292												
														Dew Points (°F)	
1.. 6	68.588	72.721	67.9	68.092	67.943	67.305									
														Temperatures (°F)	
1..12	68.152	67.999	71.991	71.581	72.311	72.856	72.301	73.849	72.958	73.667	68.398	67.772			
13..24	68.043	71.893	71.138	73.486	73.847	74.61	74.998	72.987	72.77	74.9	74.981	75.027			

## Reading # 359 - Sep 10 17:15:26

														Pressures (PSIA)	
1.. 3	74.052	74.049	14.292												
														Dew Points (°F)	
1.. 6	68.588	72.718	67.897	68.017	67.941	67.305									
														Temperatures (°F)	
1..12	68.157	68.004	72.005	71.586	72.33	72.87	72.319	73.882	72.944	73.653	68.402	67.791			
13..24	68.062	71.911	71.142	73.491	74.167	74.619	75.007	73.062	72.779	74.914	74.981	75.027			

## Reading # 360 - Sep 10 17:30:27

														Pressures (PSIA)	
1.. 3	74.053	74.049	14.291												
														Dew Points (°F)	
1.. 6	68.591	72.724	67.818	68.017	67.938	67.302									
														Temperatures (°F)	
1..12	68.152	67.999	72.009	71.59	72.32	72.865	72.315	73.873	72.972	73.681	68.398	67.782			
13..24	68.057	71.925	71.147	73.496	79.173	74.633	75.012	73.043	72.789	74.909	74.976	75.023			

## Reading # 361 - Sep 10 17:45:27

														Pressures (PSIA)	
1.. 3	74.053	74.05	14.292												
														Dew Points (°F)	
1.. 6	68.591	72.638	67.894	68.02	67.941	67.305									
														Temperatures (°F)	
1..12	68.162	68.009	72.023	71.59	72.334	72.865	72.324	73.887	72.972	73.658	68.398	67.796			
13..24	68.057	71.911	71.147	73.496	79.043	74.633	75.012	73.025	72.793	74.914	74.995	75.027			

## Reading # 362 - Sep 10 18:00:28

														Pressures (PSIA)	
1.. 3	74.052	74.051	14.29												
														Dew Points (°F)	
1.. 6	68.59	72.799	67.818	68.016	67.94	67.305									
														Temperatures (°F)	
1..12	68.162	68.009	72.023	71.6	72.334	72.874	72.338	73.919	72.972	73.69	68.407	67.782			
13..24	68.066	71.934	71.161	73.519	111.1	74.633	75.012	73.052	72.798	74.909	74.976	75.013			



# Calibrated Instrument Data

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Unit 3 - 9/92

**Reading # 363 - Sep 10 18:15:28****Pressures (PSIA)**

1.. 3 74.053 74.05 14.287

**Dew Points (°F)**

1.. 6 68.588 72.718 67.818 68.092 67.941 67.305

**Temperatures (°F)**

1..12	68.162	68.018	72.023	71.6	72.344	72.884	72.338	73.919	72.991	73.667	68.407	67.796
13..24	68.066	71.934	71.161	73.519	137.67	74.647	75.012	73.052	72.807	74.918	74.985	75.013

**Reading # 364 - Sep 10 18:30:29****Pressures (PSIA)**

1.. 3 74.053 74.05 14.287

**Dew Points (°F)**

1.. 6 68.585 72.638 67.821 68.014 67.941 67.305

**Temperatures (°F)**

1..12	68.171	68.018	72.033	71.613	72.353	72.897	72.347	73.919	73.014	73.69	68.407	67.796
13..24	68.066	71.944	71.17	73.528	138.43	74.647	75.021	73.066	72.807	74.918	74.999	75.023

**Reading # 365 - Sep 10 18:45:29****Pressures (PSIA)**

1.. 3 74.053 74.05 14.288

**Dew Points (°F)**

1.. 6 68.591 72.638 67.818 68.095 67.943 67.305

**Temperatures (°F)**

1..12	68.171	68.018	72.047	71.613	72.353	72.897	72.356	73.905	73	73.699	68.416	67.805
13..24	68.075	71.944	71.17	73.537	149.13	74.656	75.021	73.099	72.821	74.928	74.999	75.032

**Reading # 366 - Sep 10 19:00:31****Pressures (PSIA)**

1.. 3 74.053 74.05 14.293

**Dew Points (°F)**

1.. 6 68.591 72.563 67.897 68.02 67.943 67.308

**Temperatures (°F)**

1..12	68.189	68.027	72.051	71.618	72.371	72.911	72.375	73.942	73.028	73.727	68.425	67.809
13..24	68.071	71.962	71.189	73.547	143.55	74.661	75.026	73.104	72.83	74.928	74.999	75.023

**Reading # 367 - Sep 10 19:15:32****Pressures (PSIA)**

1.. 3 74.054 74.051 14.296

**Dew Points (°F)**

1.. 6 68.591 72.569 67.897 68.017 67.941 67.305

**Temperatures (°F)**

1..12	68.18	68.032	72.056	71.613	72.376	72.916	72.379	73.947	73.032	73.699	68.416	67.805
13..24	68.075	71.958	71.189	73.561	138.67	74.656	75.031	73.099	72.83	74.937	74.999	75.046

# Calibrated Instrument Data

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Oconee Nuclear Station  
Unit 3 - 9/92

Reading # 368 - Sep 10 19:30:32

## Pressures (PSIA)

1.. 3 74.054 74.052 14.297

## Dew Points (°F)

1.. 6 68.588 72.721 67.821 68.092 67.941 67.305

## Temperatures (°F)

1..12	68.18	68.032	72.056	71.613	72.39	72.93	72.379	73.938	73.032	73.709	68.416	67.814
13..24	68.075	71.967	71.189	73.561	136.49	74.665	75.031	73.09	72.844	74.937	75.008	75.032

Reading # 369 - Sep 10 19:45:33

## Pressures (PSIA)

1.. 3 74.053 74.05 14.297

## Dew Points (°F)

1.. 6 68.667 72.638 67.894 68.02 68.025 67.305

## Temperatures (°F)

1..12	68.199	68.036	72.074	71.632	72.385	72.925	72.389	73.891	73.042	73.727	68.435	67.823
13..24	68.08	71.962	71.198	73.579	129.95	74.675	75.04	73.085	72.83	74.937	75.008	75.046

Reading # 370 - Sep 10 20:00:33

## Pressures (PSIA)

1.. 3 74.052 74.049 14.304

## Dew Points (°F)

1.. 6 68.667 72.638 67.897 68.017 67.941 67.305

## Temperatures (°F)

1..12	68.194	68.041	72.065	71.613	72.376	72.916	72.379	73.896	73.055	73.69	68.43	67.814
13..24	68.085	71.958	71.189	73.593	120.41	74.679	75.045	73.099	72.821	74.951	75.008	75.055

## APPENDIX F

### Local Leakage Rate Testing Conducted Since Last ILRT

#### Reports:

- EOC-12 Type C Summary
- EOC-13 Type C Summary
- Type B Leakage Summary Since Last ILRT
- EOC-12 Type B & C Test Failures
- EOC-13 Type B & C Test Failures

Oconee Nuclear Station Unit 3 EOC12

U n i t	P e n	Inside Path Valves	Leak Rate (sccm)	Outside Path Valves	Leak Rate (sccm)	Max Path Leak Rate (sccm)
3	2	3FDW-106 3FDW-117 3FDW-118	20	3FDW-105	20	20
3	3	3CC-20 3CC-21 3CC-22	940 20 20	3CC-24	860	980
3	4& 43	3FDW-329 3FDW-331	170	3FDW-103 3FDW-334 3FDW-176  3FDW-104 3FDW-335 3FDW-177	212   60	272
3	5a			3LWD-28  3LWD-1 3LWD-2 3LWD-27 3LWD-29	0  0	0
3	5b	3RC-164	42	3RC-165	20	42
3	6	3HP-3 3HP-4	20 20	3HP-5 3HP-36 3HP-37	20	40
3	7	3HP-20	20	3HP-21 3HP-68 3HP-69	20	20
3	10a			3HP-216  3HP-146 3HP-218 3HP-457	20  20	40
3	10b			3HP-223  3HP-147 3HP-225 3HP-285	20  20	40
3	11a	Transfer Tube	20			20

Oconee Nuclear Station Unit 3 EOC12

U n i t	P e t n	Inside Path Valves	Leak Rate (sccm)	Outside Path Valves	Leak Rate (sccm)	Max Path Leak Rate (sccm)
3	11b	3SF-98 3SF-99 3SF-82	20 20 20	3SF-97	20	60
3	11c	3SF-74	20	3SF-72 3SF-73	20	20
3	12a	Transfer Tube	20			20
3	12b	3SF-425 3SF-423 3SF-426 3SF-417 3SF-405	20 20 20 20 20	3SF-428	42.4	100
3	18	3GWD-10  3GWD-11 3GWD-12 3GWD-13	20  20			40
3	19			3PR-29  3PR-5 3PR-6	20  5800	5820
3	20			3PR-27  3PR-1 3PR-2	20  6590	6610
3	22			3LPSW-145  3LPSW-15 3LPSW-144 3PG-190	20  1246	1266
3	23a			3HP-209  3HP-145 3HP-211 3HP-390	20  65	85

Oconee Nuclear Station Unit 3 EOC12

U n i t	P i e c e	Inside Path Valves	Leak Rate (sccm)	Outside Path Valves	Leak Rate (sccm)	Max Path Leak Rate (sccm)
3	23b			3HP-202  3HP-144 3HP-204 3HP-454	20  20	40
3	24			3PR-81 3PR-84	20 20	40
3	29	3CS-5	386	3CS-24  3CS-6 3CS-23 3CS-25	22  20	42
3	38	3CS-12	121	3CS-18  3CS-11 3CS-17	20  235	255
3	39	3CF-44 3CF-45	20 20	3CA-29 3CF-41 3HP-156 3N-131	383	383
3	41	3IA-91	210	3IA-90	140	210
3	42			3PR-87 3PR-90	20 20	40
3	44	3CC-77 3CC-82 3CC-80	40 25 20	3CC-76	250	250
3	45a	3LRT-24	20	3LRT-25	20	20
3	45b	3LRT-39	20	3LRT-38	20	20
3	45c	3LRT-37	20	3LRT-36	20	20
3	46			3FW-66  3FW-64 3FW-65	20  20	40
3	48	3BA-33	161	3BA-5	80	161
3	51			3LRT-54 3LRT-17 & Flange	34 101	135

Oconee Nuclear Station Unit 3 EOC12

U n i t	P e n	Inside Path Valves	Leak Rate (sccm)	Outside Path Valves	Leak Rate (sccm)	Max Path Leak Rate (sccm)
3	53a	3CF-42 3CF-43	20 20	3CA-27 3CF-47 3HP-155 3N-129	480	480
3	53b	3N-246 3N-247	231 20	3N-263	118	251
3	54			3CC-56  3CC-7 3CC-8 3CC-54 3CC-55	20  860	880
3	55	3DW-60	20	3DW-59	20	20
3	58a	3RC-5 3RC-6	20 20	3RC-7 3RC-49 3RC-50	20	40
3	58b	3FDW-107	20	3FDW-108 3FDW-122 3FDW-123	20	20
3	59	3CF-3 3CF-4		3CF-7 3CF-19		480
3	60			3PR-23  3PR-7 3PR-8 3PR-59 3PR-68	20  268	288
3	61			3PR-25  3PR-9 3PR-10 3PR-60	20  20	40
Total Maximum Path Leakage						19650

Oconee Nuclear Station Unit 3 EOC13

U n i t	P i e n	Inside Path Valves	Leak Rate (sccm)	Outside Path Valves	Leak Rate (sccm)	Max Path Leak Rate (sccm)
3	2	3FDW-106 3FDW-117 3FDW-118	20	3FDW-105	20	20
3	3	3CC-20 3CC-21 3CC-22	782 20 20	3CC-24	650	822
3	4& 43	3FDW-329 3FDW-331	62	3FDW-103 3FDW-334 3FDW-176  3FDW-104 3FDW-335 3FDW-177	509   570	1079
3	5a			3LWD-28  3LWD-1 3LWD-2 3LWD-27 3LWD-29	20  20	40
3	5b	3RC-164	20	3RC-165	20	20
3	6	3HP-3 3HP-4	97 65	3HP-5 3HP-36 3HP-37	90	162
3	7	3HP-20	20	3HP-21 3HP-68 3HP-69	20	20
3	10a			3HP-216  3HP-146 3HP-218 3HP-457	20  20	40
3	10b			3HP-223  3HP-147 3HP-225 3HP-285	20  460	480



Oconee Nuclear Station Unit 3 EOC13

U n i t	P i e t n	Inside Path Valves	Leak Rate (sccm)	Outside Path Valves	Leak Rate (sccm)	Max Path Leak Rate (sccm)
3	11a	Transfer Tube	20			20
3	11b	3SF-98	20	3SF-97	20	60
		3SF-99	20			
		3SF-82	20			
3	11c	3SF-74	20	3SF-72 3SF-73	20	20
3	12a	Transfer Tube	20			20
3	12b	3SF-425	35	3SF-428	250	250
		3SF-423	20			
		3SF-426	20			
		3SF-417	20			
		3SF-405	20			
3	18	3GWD-10	20			40
		3GWD-11	20			
		3GWD-12				
		3GWD-13				
3	19			3PR-29		20
				3PR-5		2000
				3PR-6		
3	20			3PR-27		20
				3PR-1		2070
				3PR-2		
3	22			3LPSW-145	20	342
				3LPSW-15	322	
				3LPSW-144		
				3PG-190		
3	23a			3HP-209	68	117
				3HP-145	49	
				3HP-211		
				3HP-390		

Oconee Nuclear Station Unit 3 EOC13

U n i t	P i e n	Inside Path Valves	Leak Rate (sccm)	Outside Path Valves	Leak Rate (sccm)	Max Path Leak Rate (sccm)
3	23b			3HP-202  3HP-144 3HP-204 3HP-454	20  20	40
3	24			3PR-81 3PR-84	2 2	4
3	29	3CS-5	386	3CS-24  3CS-6 3CS-23 3CS-25	20  20	386
3	38	3CS-12	119	3CS-18  3CS-11 3CS-17	20  80	119
3	39	3CF-44 3CF-45	20 40	3CA-29 3CF-41 3HP-156 3N-131	308	308
3	41	3IA-91	20	3IA-90	20	20
3	42			3PR-87 3PR-90	3 2	5
3	44	3CC-77 3CC-82 3CC-80	20 20 20	3CC-76	20	60
3	45a	3LRT-24	8	3LRT-25	8	8
3	45b	3LRT-39	2	3LRT-38	2	2
3	45c	3LRT-37	2	3LRT-36	2	2
3	46			3FW-66  3FW-64 3FW-65	20  20	40
3	48	3BA-172	294	3BA-171	200	294
3	51			3LRT-54 3LRT-17 &	20 98	118

Oconee Nuclear Station Unit 3 EOC13

U n i t	P i e n	Inside Path Valves	Leak Rate (sccm)	Outside Path Valves	Leak Rate (sccm)	Max Path Leak Rate (sccm)
				Flange		
3 53a		3CF-42 3CF-43	20 20	3CA-27 3CF-47 3HP-155 3N-129	20	40
3 53b		3N-246 3N-247	20 20	3N-263	60	60
3 54				3CC-56  3CC-7 3CC-8 3CC-54 3CC-55	20  2240	2260
3 55		3DW-60	25	3DW-59	20	25
3 58a		3RC-5 3RC-6	20 20	3RC-7 3RC-49 3RC-50	20	40
3 58b		3FDW-107	20	3FDW-108 3FDW-122 3FDW-123	136	136
3 59		3CF-3 3CF-4	20	3CF-7 3CF-19	20 20	40
3 60				3PR-23  3PR-7 3PR-8 3PR-59 3PR-68	20  20	40
3 61				3PR-25  3PR-9 3PR-10 3PR-60	20  20	40
Total Maximum Path Leakage						11749

**Type "B" Leak Rate Testing Since Last ILRT**

<b>Penetration</b>	<b>Test Date</b>	<b>Measured Leakage (sccm)</b>
Equipment Hatch O-Ring	3-18-91	3
	12-31-91	5
	9-6-92	4
Personnel Hatch	4-18-90	0
	10-4-90	2750
	3-21-91	4880
	3-27-91	5650
	10-3-91	14700
	12-6-91	26300
	1-2-92	15570
	9-19-92	4151
Emergency Personnel Hatch	3-20-91	1384
	9-25-91	675
	3-24-92	1384
	9-4-92	461
Electrical Penetrations O-Rings	2-18-91	54
	4-11-91	540
	8-31-92	55

# Local Leak Rate Test Failures Since Last ILRT

DC 12

Pen No.	Valve No.	Test Date	Cause of Failure	Repair
3	3CC-24	2-20-91	Seat leak	Rebuilt valve
19	3PR-5 3PR-6	3-19-91	Seat leak	Adjusted seat
20	3PR-1 3PR-2	3-19-91	Seat Leak	Adjusted seat
22	3LPSW-15 3LPSW-144 3PG-190	2-21-91	3LPSW-15 not fully closing	Adjusted limit switch on 3LPSW-15
22	3LPSW-145	2-21-91	Packing leak	Rebuilt valve
29	3CS-23	3-17-91	Seat leak	Replaced ball seat & bonnet gasket
38	3CS-11	2-21-91	Seat leak	Cleaned & lapped seat
39	3CF-44	2-18-91	Packing leak	Replaced ball & seat
39	3CA-29 3CF-41 3HP-156 3N-131	2-18-91	Seat Leak on 3N-131	Lapped seat
53a	3CF-42	2-18-91	Seat Leak	Rebuilt valve
54	3CC-7 3CC-8 3CC-54 3CC-55	2-21-91	Seat leak past 3CC-7	Replace seat & adjust valve sti
			Seat leak past 3CC-55	Replaced valve

**Local Leak Rate Test Failures Since Last ILRT****OC 13**

Pen No.	Valve No.	Test Date	Cause of Failure	Repair
3	3CC-24	8-3-92	Seat leak	Replaced disk washer, installed new brushing, strightened shaft & adjusted packing
3	3CC-20	8-3-92	Seat leak	Repaired disc & replaced brushing
10a	3HP-286	8-4-92	Seat leak	Replaced valve with swing check & manual valve
38	3CS-11	8-7-92	Seat Leak	Replaced valve
39	3CF-55	8-19-92	Stem leak	Adjusted packing
39	3CF-44	8-19-92	Seat leak	Disassembled and cleaned
44	3CC-77	8-3-92	Seat leak	Disassembled and cleaned
44	3CC-76	8-3-92	Seat leak	Disassembled and replace
53a	3CF-42	8-18-92	Seat leak	Disassembled and cleaned
53b	3N-246	8-21-92	Seat Leak	Disassembled, cleaned & replace redlient seat
54	3CC-7	8-29-92	Seat leak	Replaced valve