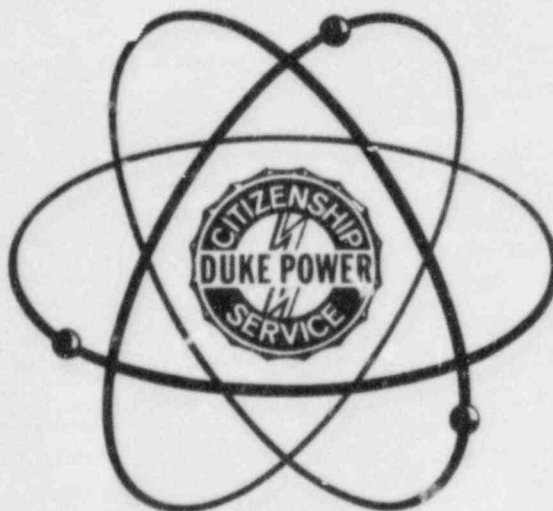


# DUKE POWER COMPANY CATAWBA NUCLEAR STATION UNIT I

## REACTOR CONTAINMENT BUILDING INTEGRATED LEAK RATE TEST

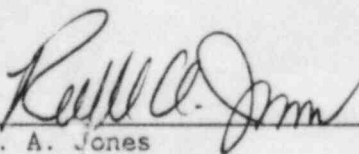


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DUKE POWER COMPANY  
CATAWBA NUCLEAR STATION  
UNIT 1  
REACTOR CONTAINMENT BUILDING  
INTEGRATED LEAK RATE TEST  
(PREOPERATIONAL)

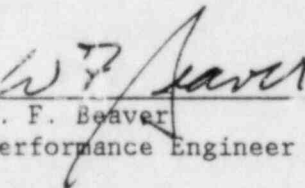
CONDUCTED JANUARY 10 - 18, 1984

Prepared By:



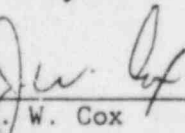
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I. DEFINITION OF SYMBOLS AND ABBREVIATIONS

ILRT	Integrated Leak Rate Test
E	Repeatability error
e	Absolute error
$\Sigma$	Measurement system error
$^{\circ}\text{F}$	Temperature, degrees Fahrenheit
FOM	Figure of Merit
$L_a$	0.20% by weight of the containment air per 24 hours at $P_a$ , 14.68 psig
$L_{am}$	Measured overall integrated containment leakage rate. It is $\leq 0.75 L_a$
$L_t$	Maximum allowable reduced pressure (7.34 psig) test leak rate. Determined during the preoperational test and is equal to $L_a (L_{tm}/L_{am})$ with $L_{tm}/L_{am} \leq 0.7$
$L_{tm}$	Measured overall integrated containment leakage rate during reduced pressure test. It is $\leq 0.75 L_t$
LR	Total observed leak rate during the ILRT.
LR(95%)	95% upper confidence level of observed leak rate of the containment vessel
$L_{aux}$	Leak rate of all penetrations, valves, flanges which cannot be exposed to test pressure.
$L_c$	Total observed leak rate during the supplemental test
$L_o$	The known leakage rate superimposed on the containment during the supplemental test.
LLRT	Local leak rate test
P	Pressure
$P_a$	Design accident pressure
psia	absolute pressure
psig	Gauge pressure

°R      Temperature, degrees Rankine  
SIT      Structural integrity test  
T      Temperature  
T<sub>dp</sub>      Dew point temperature  
t      Time  
V      Containment volume, cubic feet

## II. INTRODUCTION

The purpose of this report is to provide adequate information so that an objective review of the test can be performed. This will ensure that the test results reflect truly the leakage characteristic of the as-built containment. In conformance with the Appendix J of 10CFR50 and associated ANSI standards, the absolute method and mass-plot techniques, which require monitoring the containment vessel temperature and pressure to determine the change in containment vessel air mass caused by leakage, are used as the framework for selecting test equipment, developing test computer programs and test procedures.

The Catawba Unit 1 Containment System consists of a containment vessel and a separate reactor building enclosing an annulus. The following containment vessel specifications are used as base data for the containment leak rate test.

- Containment Net Free Volume	1,187,136 ft <sup>3</sup> (2/3 ice load)
- Design pressure	15 PSIG
- Calculated Peak Accident Pressure	14.68 PSIG
- Test Pressure	≥ 14.68 PSIG for Full Pressure Test
	≥ 7.34 PSIG for Reduced Pressure Test
- Test Temperature	Ambient

52 Resistance Temperature Detectors, 3 Dewpoint hygrometers and 3 pressure sensors are installed at predetermined locations in the containment vessel to determine the weighted averages of containment vessel temperature, vapor pressure and pressure. The Catawba containment vessel leak rate test utilizes a fully automatic Data Acquisition System. All raw test data is scanned, printed and recorded on Cassette tape automatically to minimize uncontrolled random errors. Assigned engineers of Duke Power Company were responsible for drafting and conducting the test. Three 8-hour shift crews which consisted of one shift coordinator and two technicians were utilized to maintain 24 hour test activity.

Pressurization for the Catawba Unit 1 ILRT was accomplished by 3 diesel driven portable air compressors/dryers rented from Atlas-Copco. Each compressor/dryer was rated at 1500 CFM @ 102 PSI. These compressors supplied air directly to Upper and Lower Containment and to the Ice Condenser through a special -40°F dewpoint dryer. When the test was completed, the containment vessel was depressurized through the containment hydrogen sample and purge system in the annulus and the containment air release and addition system in the Auxiliary Building. The release rate can be controlled if the air is contaminated. Section IX, Figures 2 and 3 show the pressurization and depressurization path used in this test.

### III. TEST PURPOSE

The purpose of the Preoperational Containment Integrated Leak Rate Test is to determine the leak rate of the containment vessel under controlled test conditions; to verify that there were no unidentified openings in the containment vessel due to incomplete construction; and to evaluate the possibility of accurately measuring the containment leak rate in a shorter period of time and/or at a reduced pressure.

The containment vessel was preconditioned to provide test conditions which satisfy the following:

- The vessel is under calculated accident pressure, 14.68 psig for the Full Pressure Test and 7.34 psig for the Reduced Pressure Test.
- Air temperature and pressure are stable to avoid biasing the leakage characteristics.
- The containment vessel and all penetrations are lined up as close as possible to the predicted post-accident condition; i.e., those portions of the fluid system that are part of the reactor coolant pressure boundary and are opened directly to the containment atmosphere under post-accident conditions and become an extension of the boundary of the containment shall be opened or vented to the containment atmosphere prior to and during the test.

The test utilized highly accurate sensors and an automatic data system to assure the accuracy and quality of the test data.

Statistical and error propagation analyses are performed on the test data to ensure that the test results are reliable and accurate.

IV. SUMMARY

The Containment Vessel Integrated Leak Rate and Structural Integrity Test was initiated on 1/10/84 and completed on 1/18/84. It was conducted in compliance with the Catawba FSAR and Title 10, Code of Federal Regulations, Part 50, Appendix J, which states that the containment vessel is subject to a test to assure that an acceptable upper limit of leakage of radioactive material is not exceeded under design accident basis.

The vessel was initially pressurized up to 16.892 psig (112.6% of design pressure) and held for 10 minutes for the Structural Integrity Test. Pressure was then reduced to  $\leq 85\%$  or  $P_a$  and held for 22 hours to allow for outgassing. Pressure was then increased to  $\geq 14.68$  psig and the full pressure ILRT was begun at 0305 on 1/12/84 after a  $> 4$  hour temperature stabilization period. Minor problems were encountered with the ice condenser temperatures and are discussed fully in Appendix D to this report. The test was evaluated as acceptable at 0850 on 1/13/84 using 24 hours of test data with the following results:

$$\begin{aligned} \text{LR} &= 0.1043024\%/\text{Day} \\ \text{LR}(95\%) &= 0.110752\%/\text{Day} \end{aligned}$$

The 95% UCL was less than the acceptance criteria of 0.15%/day.

The supplemental verification test began at 1020 on 1/13/84 and was determined acceptable at 1610 on 1/13/84 with an observed leak rate of 0.2983907%/day.

The vessel was then depressurized to  $\leq 85\%$  of  $P_t$  held for  $\geq 24$  hours to allow for outgassing in preparation for the reduced pressure test. Pressure was then increased to  $\geq 7.34$  psig and the reduced pressure test was begun at 0600 on 1/15/84 after a  $> 4$  hour temperature stabilization period. Problems were initially encountered in obtaining an acceptable leak rate and are discussed fully in Appendix E to this report. The test was evaluated as acceptable at 1740 on 1/17/84 using 24 hours of test data with the following results:

$$\begin{aligned} \text{LR} &= 0.0617871\%/\text{Day} \\ \text{LR}(95\%) &= 0.0677562\%/\text{Day} \end{aligned}$$

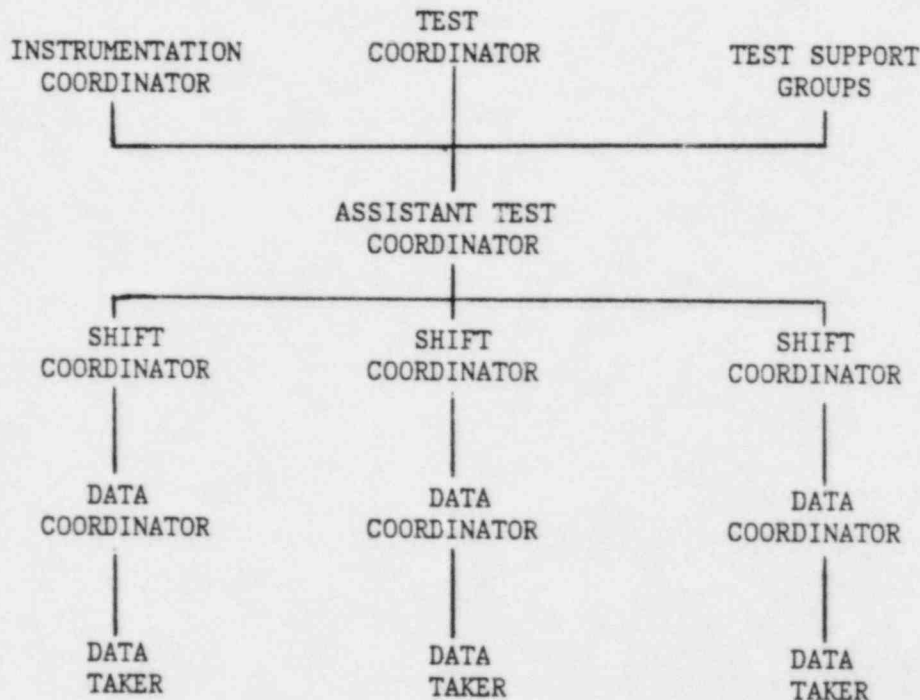
The supplemental verification test began at 1805 on 1/17/84 and was determined acceptable at 0030 on 1/18/84 with an observed leak rate of 0.1408520%/Day.

This test was conducted per test procedure TP/1/A/1200/06, Containment Initial Integrated Leak Rate Test and Structural Integrity Test.



V. TEST ORGANIZATION

In order to assure that the test is conducted in a safe and efficient manner, assigned personnel are organized as shown and their responsibility defined.



Test Coordinator: His lead responsibility is to provide overall planning and efficient execution of the test.

Assistant Test Coordinator: His lead responsibility is to assume test coordinator responsibilities during his 12 hour shift. Only Test and Assistant Test Coordinators are on 12 hour shifts.

Instrumentation Coordinator: His responsibility is to provide test equipment maintenance support to Test Coordinator.

Test Support Groups: Their responsibilities are to furnish technical support to Test personnel as required in conducting the ILRT, solving test problems, and minimizing schedule delays.

Shift Coordinator: Assume general responsibility for ILRT execution on a shift basis.

Data Coordinator: His lead responsibility is to process and edit raw data.

Data Taker: Record data accurately at correct intervals.

VI. TEST BACKGROUND INFORMATION

- A. Test Method: The absolute method of leakage rate testing is used for the Catawba test. This requires the determination and calculation of air losses by the containment vessel leakage over a stated period of time by the means of direct pressure, temperature and dewpoint observations during the period of the test. Sensors are properly located to provide an average value of the containment vessel temperature and pressure. The effect of the partial pressure of water vapor is measured and compensated.

Upon completion of the 24 hour leak rate test, a test is performed to verify the accuracy of the leak rate test. This requires superimposing a controlled and measurable leak on the containment vessel and the composite leakage of both the containment vessel and the superimposed leak is measured. The difference between the result of the leakage measurement obtained prior to the introduction of the superimposed leak and that of the composite leak determines the accuracy of the leak rate test.

The test environment is simulated as close to that of designed accident basis as possible. All portions of the fluid systems that are postulated as opening directly to the containment or outside atmosphere under post-accident conditions are opened or vented during the test except systems required to maintain the plant in safe conditions during the test.

The test pressure is the calculated design basis accident pressure of 14.68 psig for the full pressure test and 7.34 psig per the reduced pressure test.

- B. Calculation Technique: Mass of the containment vessel air volume is calculated by the Ideal Gas Law for 24 consecutive hours and plotted against time. The leak rate is obtained by a linear least square fit to the mass plot graph. The 95% confidence upper limit of the leak rate is calculated by applying the Student T Distribution Test on the leak rate test result. This upper limit is compared with the acceptance criteria to determine the completion of the test. See also Appendix A.
- C. Test Activity Flow Chart: Figure 1, Containment Pressure versus Time provides an overall look of the test activities. This provides information for test planning and test execution.
- D. Test Acceptance Criteria And Test Results

1.a. Structural Integrity Test Acceptance Criteria:

The Containment Structural Integrity Test is acceptable if a pressure of at least 16.5 psig is maintained for 10 minutes without any apparent changes in appearance of or other abnormal degradation of the containment vessel surfaces.

The Reactor Building Structural Integrity Test is acceptable if a visual inspection detects no abnormal degradation or changes in appearance.

1.b. Structural Integrity Test Results:

No apparent changes in appearance or abnormal degradation of the containment vessel surfaces were detected after a > 10 minute hold at 16.892 psig.

The Reactor Building Inspection detected no abnormal degradation or changes in appearance.

2.a. Hot Penetrations Leakage Test Acceptance Criteria:

The hot penetration soap bubble test detects no leakage for those penetrations listed in the test procedure per Tech Spec 4.6.1.2.e.

2.b. Hot Penetrations Leakage Test Results:

No leakage was detected for those penetrations listed in the test procedure.

3.a. Full Pressure Test Acceptance Criteria:

The measured overall integrated containment leakage rate ( $L_{am}$ ) is less than or equal to  $0.75 L_a$  with the test pressure  $\geq 14.68$  psig.  $L_{am} \leq 0.75 L_a$  where  $L_a = 0.20$  percent by weight of the containment air per 24 hours @  $P_a$  (14.68 psig)  
 $L_{am} \leq 0.15\%/Day$ .

Also,  $L_{am} = LR(95\%) + L_{aux}$

where  $LR(95\%) = 95\%$  Upper Confidence Level of observed leak rate of the Containment Vessel

and  $L_{aux} =$  Leak rate of all penetrations, valves, flanges which cannot be exposed to test pressure due to system operation.

The difference between the supplemental verification test and the total observed leak rate is within  $0.25 L_a$ :

$$\left| (L_c - L_o) - LR \right| \leq 0.25 L_a$$

Where  $L_c =$  Total observed leak rate during supplemental test

$L_o =$  The known leakage rate superimposed on the containment during the supplemental test

The quantity of air bled from containment during the supplemental test must be equivalent to 75 to 125% of the leakage rate  $L_a$ .

$$0.75 L_a \leq L_o \leq 1.25 L_a$$

3.b Full Pressure Test Results:

24-Hour Test Result (0850, 1/12/84 to 0950, 1/13/84)

LR = 0.1043024 %/Day

LR(95%) = 0.1107552 %/Day

The following penetrations were not exposed to test pressure due to system alignment required by ILRT. They were type C tested and the leakage added to  $L_{aux}$ .

<u>Penetration #</u>	<u>System</u>	<u>Reason</u>
M373	NF	Ice Condenser required to be in operation.
M372	NF	Ice Condenser required to be in operation.
M204	VQ	Flowpath for turbine flowmeter during imposed leak rate test.
M346	VY	Relief valve for containment connected to this penetration.
CNIP-1MI5	MI	ILRT Pressure sensing line.
CNIP-1MI6	MI	ILRT Pressure sensing line.
CNIP-1MI7	MI	ILRT Pressure sensing line.

The following penetrations were not exposed to test pressure due to following reasons:

<u>Penetration #</u>	<u>System</u>	<u>Reason</u>
M230	RN	This penetration is supplied by seal water injection system (NW) going to the inside and outside isolation valves. Both valves are being changed to flex-wedge gate design in order to prevent excessive leakage. A type C test is not required on valves 1RN484A and 1RN487B since they are supplied by NW. Reverse check 1RN485 is type C tested and its leakage is included in $L_{aux}$ .

<u>Penetration #</u>	<u>System</u>	<u>Reason</u>
M240	RN	This penetration has the outside isolation valve supplied by NW. The inside check unit is type C tested, however, it was noticed to be leaking excessively prior to beginning the 24 hour leak rate test and so the penetration was isolated. Maintenance was performed on 1RN438 and valve internals were rebuilt/replaced. Type C test was performed on 1RN438 and results added to L <sub>aux</sub> .
Lower Air Lock Emerg. Air Penetration	IAE	Temporary gasket was installed on penetration prior to ILRT. Type B test results will be added to L <sub>aux</sub> .
Lower Air Lock Reactor Door Viewport	IAE	Viewport glass installed was not QA approved. Type B test results will be applied to L <sub>aux</sub> .
Upper Air Lock Emerg. Air Penetration	IAE	Pressurization fixture was installed on penetration to allow entry into containment during inspections. Type B test result will be added to L <sub>aux</sub> .
Upper and Lower Air Lock Equalization Lines (2)	IAE	Check valves in line are to be replaced with different valves which will seat properly at lower pressure. Once valves are replaced type C test will be performed and results added to L <sub>aux</sub> .
Containment Atmos. H <sub>2</sub> Lever Xmitter Penetrations (4)	MI	Due to oversight in test procedure, line up for these penetrations was not specified. Type C test will be performed and result added to L <sub>aux</sub> .

Determination of L<sub>aux</sub>:

<u>Penetration</u>	<u>System</u>	<u>Leakage</u> (sccm) x 2.1476x10 <sup>-8</sup>	<u>%/Day</u> sccm	<u>Leakage</u> = %/Day
M373	NF	1 x 2.1476x10 <sup>-8</sup>		= 2.1476x10 <sup>-8</sup>
M372	NF	13.97 x 2.1476x10 <sup>-8</sup>		= 3.0002x10 <sup>-7</sup>
M204	VQ	30.3 x 2.1476x10 <sup>-8</sup>		= 6.5072x10 <sup>-7</sup>

<u>Penetration</u>	<u>System</u>	<u>Leakage</u> (sccm) x $2.1476 \times 10^{-8}$	<u>%/Day</u> sccm	<u>Leakage</u> = %/Day
M346	VY	97.0 x $2.1476 \times 10^{-8}$		= $2.0832 \times 10^{-6}$
CNIP-1MI5	MI	1.31 x $2.1476 \times 10^{-8}$		= $2.8134 \times 10^{-8}$
CNIP-1MI6	MI	1.82 x $2.1476 \times 10^{-8}$		= $3.9086 \times 10^{-8}$
CNIP-1MI7	MI	1.78 x $2.1476 \times 10^{-8}$		= $3.8227 \times 10^{-8}$
M230	RN	11.2 x $2.1476 \times 10^{-8}$		= $2.4053 \times 10^{-7}$
M240	RN	170.8 x $2.1476 \times 10^{-8}$		= $3.6681 \times 10^{-6}$
Lower Air Lock Emerg. Air Penetration	IAE	2.3 x $2.1476 \times 10^{-8}$		= $4.9395 \times 10^{-8}$
Lower Air Lock Reactor Door Viewport	IAE	1.36 x $2.1476 \times 10^{-8}$		= $2.9207 \times 10^{-8}$
Upper Air Lock Emerg. Air Penetration	IAE	2.4 x $2.1476 \times 10^{-8}$		= $5.1542 \times 10^{-8}$
Upper Air Lock Equalization Line	IAE	2.0 x $2.1476 \times 10^{-8}$		= $4.2952 \times 10^{-8}$
Lower Air Lock Equalization Line	IAE	5.2 x $2.1476 \times 10^{-8}$		= $1.1168 \times 10^{-7}$
Cont. Atmos. H <sub>2</sub> Level Xmitter Penetrations (4)	MI	* x $2.1476 \times 10^{-8}$		= *

$$\text{Total } L_{\text{aux}} = 7.3543 \times 10^{-6} \text{ \%/Day}$$

\*This penetration cannot be leak tested by due date of this report. Once leak rate is determined it will be added to  $L_{\text{aux}}$  and submitted to the NRC in a separate letter. Note that calculations for  $L_{\text{am}}$  and  $L_{\text{tm}}$  will also be revised to reflect this new value.

Therefore,

$$\begin{aligned} L_{\text{am}} &= LR(95\%) + L_{\text{aux}} \\ &= 0.1107552\%/Day + 0.0000074 \text{ \%/Day} \\ &= 0.1107626 \text{ \%/Day} \end{aligned}$$

Which is within Acceptance Criteria of  $\leq 0.15$  %/Day

## Supplemental Verification Test Results:

$$L_c = 0.2983907\%/Day$$

$$L_o = 0.2024\%/Day$$

$$LR = 0.1043024\%/Day$$

$$\left| (L_c - L_o) - LR \right| \leq 0.25 L_a$$

$$\left| (0.2983907 - 0.2024) - 0.1043024 \right| \leq 0.050\%/Day$$

$$0.0083117 \leq 0.050\%/Day$$

which is within Acceptance Criteria

$$0.75 L_a \leq L_o \leq 1.25 L_a$$

$$0.75 (0.20) \leq 0.2024 \leq 1.25 (0.20)$$

$$0.15\%/Day \leq 0.2024\%/Day \leq 0.25\%/Day$$

Which is within Acceptance Criteria.

## 4.a Reduced Pressure Test Acceptance Criteria:

\*Note that  $L_t$  is calculated in Section VI.E. of this report and is equal to 0.122%/Day.

The measured overall integrated containment leakage rate ( $L_{tm}$ ) is less than or equal to  $0.75 L_t$  with the test pressure  $\geq 7.34$  psig.

$L_{tm} \leq 0.75 L_t$  where  $L_t = 0.10$  percent by weight of the containment air per 24 hours @  $P_t$  (7.34 psig)

$$L_{tm} \leq 0.075\%/Day$$

$$\text{Also, } L_{tm} = LR(95\%) = L_{aux}$$

Where LR(95%) = 95% Upper Confidence Level of observed leak rate of the Containment Vessel

And  $L_{aux}$  = Leak rate of all penetrations, valves, flanges which cannot be exposed to test pressure due to system operation.

The difference between the supplemental verification test and the total observed leak rate is within  $0.25 L_t$ :

$$\left| (L_c - L_o) - LR \right| \leq 0.25 L_t$$

Where  $L_c$  = Total observed leak rate during supplemental test

$L_o$  = The known leakage rate superimposed on the containment during the supplemental test

The quantity of air bled from containment during the supplemental that must be equivalent to 75 to 125% of the leakage rate  $L_t$ .

$$0.75 L_t \leq L_o \leq 1.25 L_t$$

4.b. Reduced Pressure Test Results:

24-Hour Test Results (1740, 1/16/84 to 1740, 1/17/84)

$$\begin{aligned} \text{LR} &= 0.0617871\%/\text{Day} \\ \text{LR}(95\%) &= 0.0677562\%/\text{Day} \end{aligned}$$

Therefore,

$$\begin{aligned} L_{tm} &= \text{LR}(95\%) + L_{aux} \\ &= 0.0677562\%/\text{Day} + 0.0000074 \quad \%/ \text{Day} \\ &= 0.0677636 \quad \%/ \text{Day} \end{aligned}$$

Which is within Acceptance Criteria of  
 $\leq 0.092\%/\text{Day}$  (75% of  $L_t$  as determined in Section VI.E. of this report)

Supplemental Verification Test Results:

$$L_c = 0.140852\%/\text{Day}$$

$$L_o = 0.1010\%/\text{Day}$$

$$\text{LR} = 0.0617871\%/\text{Day}$$

$$L_t = 0.122\%/\text{Day}$$

$$\left| (L_c - L_o) - \text{LR} \right| \leq 0.25 L_t$$

$$\left| (0.140852 - 0.1010) - 0.0617871 \right| \leq 0.25 (0.122)$$

$$0.02193\%/\text{Day} \leq 0.031\%/\text{Day}$$

Which is within Acceptance Criteria

$$0.75 L_t \leq L_o \leq 1.25 L_t, \text{ using } L_t = 0.122\%/\text{Day}$$

$$0.75 (0.122) \leq 0.1010 \leq 1.25 (0.122)$$

$$0.092\%/\text{Day} \leq 0.1010\%/\text{Day} \leq 0.153\%/\text{Day}$$

Which is within Acceptance Criteria.



E. DETERMINATION OF PERIODIC REDUCED PRESSURE TEST ACCEPTANCE CRITERIA

10CFR50, Appendix J, III.A.4.1 (iii) requires using the leakage rates obtained during the preoperational tests for the full pressure and reduced pressure tests to calculate the acceptance criteria for future reduced pressure tests. Using values obtained during the preoperational Integrated Leak Rate Test, an acceptance value of 0.118%/day is obtained for future reduced pressure tests.

$$L_{am} \text{ (full pressure leak rate)} = 0.1107626 \text{ \%/day}$$

$$L_{tm} \text{ (reduced pressure leak rate)} = 0.0677636 \text{ \%/day}$$

$$L_a = 0.20 \text{ \%/day}$$

$$L_t = L_a (L_{tm}/L_{am}) = 0.20 (0.0677636/0.1107626) \\ = 0.1223583 \text{ \%/day}$$

$$L_t = 0.122 \text{ \%/day}$$

Also the ratio  $L_{tm}/L_{am}$  must be less than 0.7

$$L_{tm}/L_{am} = 0.0677636/0.1107626 \\ = 0.6117913 < 0.7$$

F. RESULTS OF TYPE B AND C LEAK RATE TESTS

<u>Test</u>	<u>Final Conservative Test Results</u>	
TP/1/A/1200/16, Containment Isolation Valve Leak Rate Test	812.98	sccm
	= $1.7460 \times 10^{-5}$	%/Day
TP/1/A/1200/16A, Containment Purge Isolation Valve Leak Rate Test	1915.1	sccm
	= $4.1129 \times 10^{-5}$	%/Day
TP/1/A/1200/16B, Additional Containment Isolation Valve Leak Rate Test	191.51	sccm*
	= $4.1129 \times 10^{-6}$	%/Day
TP/1/A/1200/17, Fuel Transfer Tube Leak Rate Test	1.89	sccm
	= $4.0590 \times 10^{-8}$	%/Day
TP/1/A/1200/18, Upper Personnel Lock Leak Rate Test	344	sccm
	= $7.3877 \times 10^{-6}$	%/Day
TP/1/A/1200/19, Lower Personnel Lock Leak Rate Test	803	sccm
	= $1.7245 \times 10^{-5}$	%/Day
TP/1/A/1200/20, Equipment Hatch Leak Rate Test	191.5	sccm
	= $4.1127 \times 10^{-6}$	%/Day



Accuracy:  $\pm .40^{\circ}\text{F}$  over 32 to  $100^{\circ}\text{F}$

Element: Copper

Resistance: 10 ohms at  $77^{\circ}\text{F}$

Section IX, Figure 5 shows placement of RTD's while Section X gives their general locations.

The Turbine Flowmeter is a Flow Technology Model FTC-8C5.0-GJS Flocapsule with Model PRI-402A Flow Rate Monitor.

Range: 0.5 to 5 ACFM                      Repeatability -  $\pm .25\%$  FS

Accuracy:  $\pm 0.2\%$ , Traceable to NBS.                       $\pm .0125$  ACFM

Output: Visual display plus 0-5 VDC signal for recording

The Data Acquisition Facility is a Leeds and Northrup Catalog Number 70072-409-4999-6-000000-0600-00-001-301-099 Digital Data Surveillance Facility with the following features:

- Numation Numeric Display
- Scanner/Programmer
- Digital Printer
- Digital Clock
- Cassette Tape Recorder

Section IX, Figure 4 shows the test instrumentation set-up.

#### B. Computer Program

To provide on-line data analysis, a computer program is developed using formulas and methods specified in Appendix A. The Leak Rate Test Program (LRT) reads instrument readings from a magnetic tape cassette taken from the data recorder on the Digital Data Surveillance Facility (DDSF). The raw data from the tape is calibrated using quadratic curve fits. This calibrated data is then checked for validity. Using the mass plot analysis method, the calibrated verified data is processed to yield a normalized weight which is the ratio of the mass of air in the containment at the present time to that which was initially present when the test began. Linear regression and confidence interval calculations are then performed to determine whether the results have covered sufficiently to yield an accurate indication of the actual containment leak rate.

Using the terminal procedures detailed in the user documentation, the test administrator can run the program from any teletype-compatible terminal device having magnetic tape cassette capability. The program is designed for interactive processing so that at each step the user will be queried as to how he wishes the work to be accomplished. Instrument parameters and readings can be entered

into the computer system either automatically from cassette or manually from the terminal keyboard. If any errors are detected in the data, the user will have the option of correcting the specific error on the computer instead of re-entering all of the data.

All data stored in the computer is protected by a password selected at the beginning of the test and must be specified each time the program is run to gain access to the data. This provides some measure of protection against inadvertent intrusion during the conduct of the test. At the conclusion of the test all of the stored data, from raw instrument readings through intermediate results to the final results, will be copied to an archival storage medium to satisfy long-term retention requirements of regulatory agencies. The archives can be placed on active storage at any time to verify calculations or generate reports.

### C. Instrument Error Analysis

(Equations used in the section can be found in ANS N274, Draft Revision 3, November 15, 1978)

Symbols:

FOM = Instrument Figure of Merit (%/day)  
 t = Test duration (hrs)  
 P = Test pressure (PSIA) (use 14.68 psig for Full Pressure Test, 7.34 psig for Reduced Pressure Test)  
 P<sub>v</sub> = Vapor pressure at test time (PSIA)  
 T = Cont. weighted average absolute test temp. (°F) (Assume 76.63°F)  
 e = Error associated with measurement of change  
 E = Sensor error (Sensitivity)  
 Σ = Measurement system error excluding sensor

#### 1. Pressure:

No. of sensors = 3  
 Range 0 - 40 PSIA

Sensor Error (E<sub>p</sub>) = ± 0.008%FS = 0.0032 PSIA

Measurement system repeatability error (Σ<sub>p</sub>) = ±0.002%FS = 0.0008 PSIA

$$e_p = \pm \frac{[(E_p)^2 + (\Sigma_p)^2]^{1/2}}{(\text{No. of Sensors})^{1/2}} = \pm 0.0019044 \text{ PSIA}$$

#### 2. Vapor Pressure:

No. of sensors = 3  
 Range -40°F to 120°F

Sensor Error E = ±0.40°F or ± .001268 PSIA\*

Measurement System Error ( $\Sigma$ ) =  $\pm 0.05^\circ\text{F}$  or  $\pm 0.0001585$  PSIA\*

$$\frac{[(.001268)^2 + (.0001585)^2]^{\frac{1}{2}}}{3^{\frac{1}{2}}}$$

$$e_{PV} = \frac{3^{\frac{1}{2}}}{3^{\frac{1}{2}}} = \pm .0007378 \text{ PSIA}$$

\*At dewpoint of  $36^\circ\text{F}$ , the rate of vapor pressure change per  $1^\circ\text{F}$  is  $.00317$  PSIA/ $^\circ\text{F}$

### 3. Temperature

No. of Sensor = 52

Sensor Error =  $\pm 0.40^\circ\text{F}$  or  $\pm 0.40^\circ\text{R}$

Measurement System Error =  $\pm .15^\circ\text{F}$  or  $\pm .15^\circ\text{R}$

$$\frac{[(.4^\circ\text{R})^2 + (.15^\circ\text{R})^2]^{\frac{1}{2}}}{52^{\frac{1}{2}}}$$

$$e_T = \pm \frac{52^{\frac{1}{2}}}{52^{\frac{1}{2}}} = \pm .0592420^\circ\text{R}$$

### 4. FOM (Figure of Merit)

$$\text{FOM} = \pm \frac{2400}{t} \left[ 2 \left( \frac{e_p}{p} \right)^2 + 2 \left( \frac{e_{PV}}{p} \right)^2 + 2 \left( \frac{e_T}{T} \right)^2 \right]^{\frac{1}{2}}$$

$$= \pm \frac{2400}{24} \left[ 2 \left( \frac{.0019044}{29.376} \right)^2 + 2 \left( \frac{.0007378}{29.376} \right)^2 + 2 \left( \frac{.0592420}{536.3} \right)^2 \right]^{\frac{1}{2}}$$

=  $\pm .0184585\%$  per day for Full Pressure Test  
(Note that value is  $\leq 0.25L_a = 0.05$ )

$$= \pm \frac{2400}{24} \left[ 2 \left( \frac{.0019044}{22.036} \right)^2 + 2 \left( \frac{.0007378}{22.036} \right)^2 + 2 \left( \frac{.0592420}{536.3} \right)^2 \right]^{\frac{1}{2}}$$

=  $\pm 0.0203922\%$  per day for Reduced Pressure Test  
(Note that value is  $\leq 0.25L_t = 0.031$ )

These FOM values indicate that test instrument repeatability is adequate to provide a precision measurement of maximum allowable leak rate for both Full and Reduced Pressure Leakage Tests.

Random errors on test results were analyzed under 95% confidence analysis and incorporated into the test results for acceptance verification.

The tests (both Full Pressure and Reduced Pressure Tests) also underwent required accuracy tests at the end of the 24 hour ILRTs. They met the Acceptance Criteria (See test results).

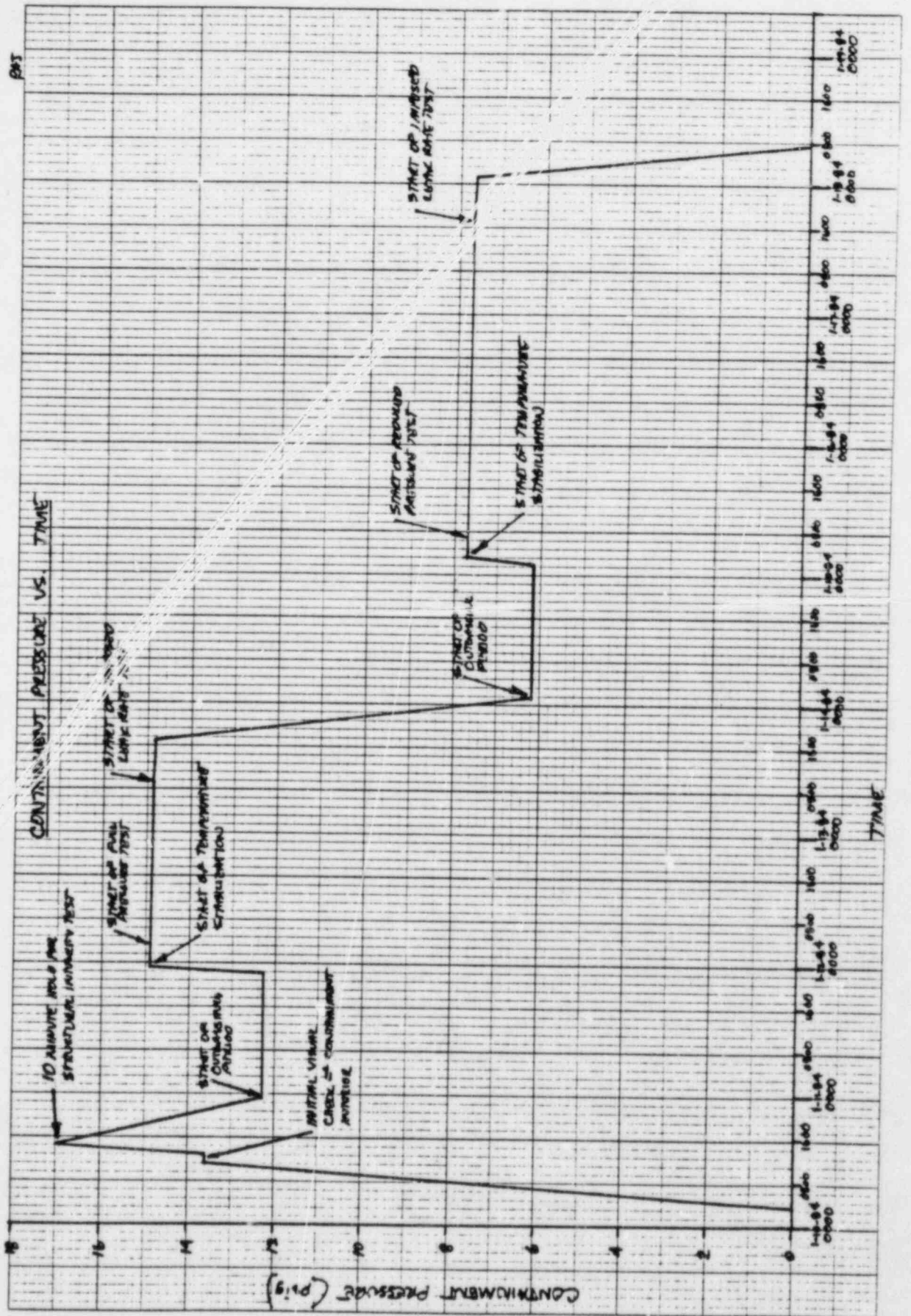
VIII. CONCLUSION

With all conservative factors built in the test results analysis, the following conclusions were made on the Catawba Unit 1 ILRT:

1. Catawba Unit 1 Containment Vessel is capable of safely containing fission products under designed accident conditions.
2. With a properly controlled test environment, test acceptance could be attained much earlier than the 24 hour minimum required time for a 24-hour test.
3. No unidentified opening in the Catawba Unit 1 Containment vessel exists due to incomplete construction.

IX. ILRT FIGURES

1. Containment Pressure vs Time
2. RTD Locations and Pressurization/Depressurization Paths
3. Pressurization System
4. Test Instrumentation System





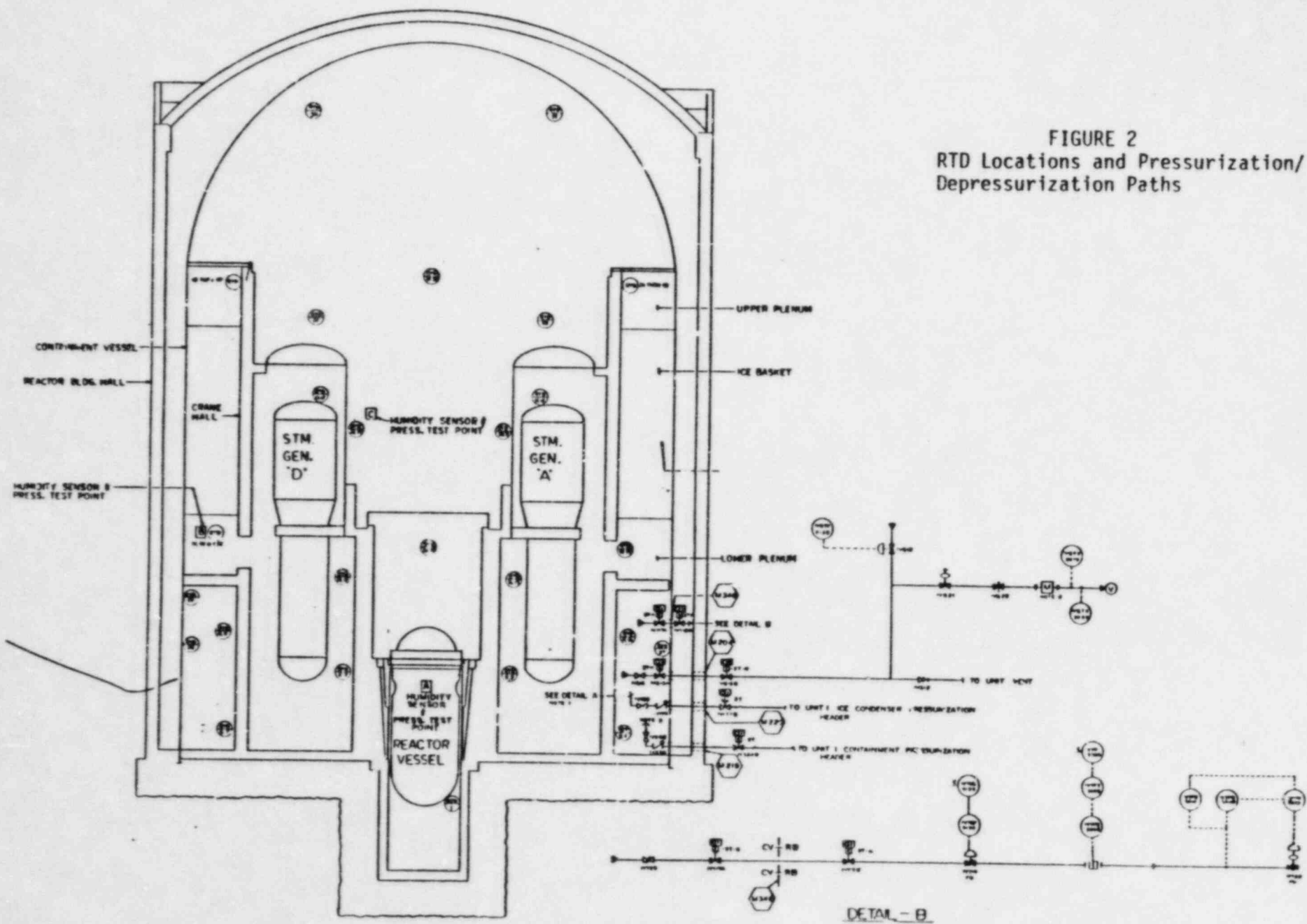


FIGURE 2  
RTD Locations and Pressurization/  
Depressurization Paths



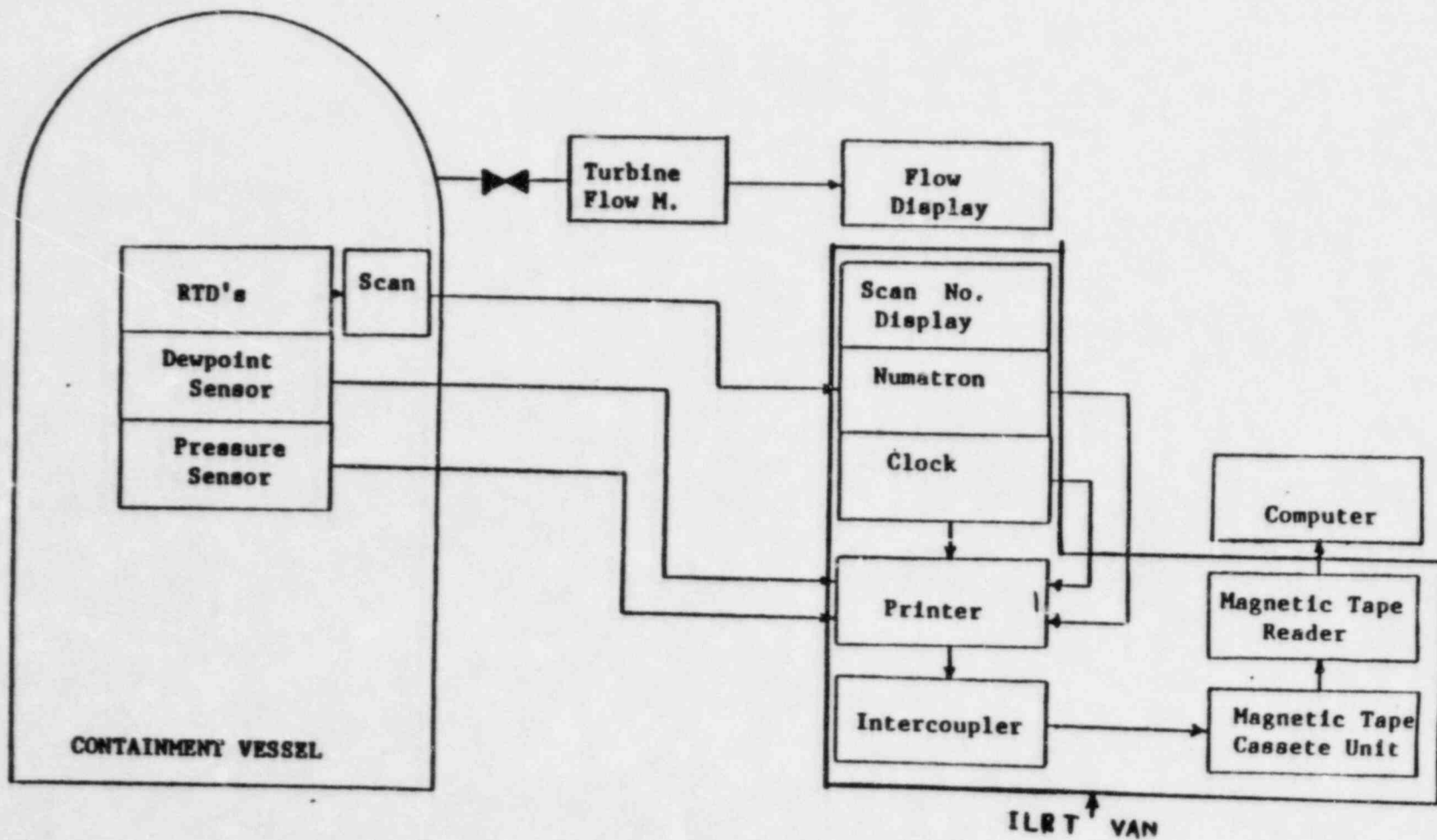


FIGURE 4  
Test Instrumentation System

X. RTD LOCATIONSLOWER CONTAINMENT (CONTAINMENT VOLUME FRACTION = 0.2676)

RTD #	GENERAL LOCATION	COMPARTMENT VOLUME FRACTION
1	Wall mounted in incore inst. area	0.0528
2	S.G. D lower support structure el. 570'	0.0530
3	S.G. A lower support structure el. 570'	0.0530
4	S.G. B lower support structure el. 570'	0.0530
5	S.G. C lower support structure el. 570'	0.0530
6	Wall mounted in tunnel area	0.0327
7	Wall mounted in tunnel area	0.0327
8	Wall mounted in tunnel area	0.0327
9	Wall mounted in tunnel area	0.0327
10	On top of S.G. 1D	0.0530
11	On top of S.G. 1C	0.0530
12	On top of S.G. 1B	0.0530
13	On top of S.G. 1A	0.0530
14	On top of NC Pump 1D	0.0530
15	On top of NC Pump 1A	0.0530
16	On top of NC Pump 1B	0.0530
17	On top of NC Pump 1C	0.0530
18	In Accumulator Room 1D	0.0120
19	In Accumulator Room 1C	0.0101
20	In Accumulator Room 1B	0.0116
21	In Accumulator Room 1A	0.0116

RTD #	GENERAL LOCATION	CONTAINMENT VOLUME FRACTION
25	Column mounted in incore instrumentation area	0.0533
26	Column mounted near lower containment vent	0.0419
27	Column mounted near lower containment vent	0.0399

UPPER CONTAINMENT (CONTAINMENT VOLUME FRACTION = 0.5875)

RTD #	GENERAL LOCATION	COMPARTMENT VOLUME FRACTION
28	On concrete housing for S.G. 1D	0.0590
29	On concrete housing for S.G. 1A	0.0590
30	On concrete housing for S.G. 1B	0.0590
31	On concrete housing for S.G. 1C	0.0590
32	On wall between S.G. 1A & 1D	0.1150
33	On wall between S.G. 1B & 1C	0.1150
34	On wall below crane track el. 665'	0.1100
35	On wall below crane track el. 665'	0.1100
36	On cont. spray piping 31'6" of center el. 707'	0.0950
37	On cont. spray piping 31'6" of center el. 707'	0.0950
22	Wall mounted in room with air return fans	0.0200
23	Mounted on ladder support in reactor cavity	0.0590
24	Mounted on ladder support in reactor internals storage area	0.0450

ICE CONDENSER (CONTAINMENT VOLUME FRACTION = 0.1449)

RTD #	GENERAL LOCATION	COMPARTMENT VOLUME FRACTION
38-47	Evenly spaced around the upper plenum area el. 669'	0.0559 Each
48-52	Evenly spaced around the lower plenum area el. 600'	0.0882 Each

APPENDICES

APPENDIX A

DERIVATIONS AND FORMULAS FOR CATAWBA CONTAINMENT  
LEAK RATE COMPUTATIONS

This appendix presents derivations of formulas used to develop the Catawba leak rate computer program.



## DEFINITION OF SYMBOLS

- $P$  = Absolute pressure in the Containment Vessel (PSFA)  
 $T$  = Weighted average absolute temperature of the Containment Vessel air compartment ( $^{\circ}R$ )  
 $W_i$  = Normalized mass of containment vessel air at  $i$  data point (dimension less)  
 $P_v$  = Partial pressure of water vapor (PSFA)  
 $t$  = time (min)  
 $V_k$  = Assigned volume fraction of  $k$  sensor (Fraction of volume)  
 $T_k$  = Recorded temperature of  $k$  sensor ( $^{\circ}R$ )  
 $\hat{W}_i$  = Estimated value of  $W_i$  in the least square fit calculation  
 $b$  = Slope of the least square fit line (fraction/min.)  
 $LR(95\%)$  = 95% confidence value of LR  
 $LR$  = Measured containment leakage rate (%/day)  
 $a$  = y intercept of the least square fit line (dimensionless)  
 $S^2 =$  the variance of  $W_i$   
 $S^2 =$  the variance of  $b$

## SUBSCRIPTS

- $u$  = upper containment compartment  
 $L$  = lower containment compartment  
 $I$  = Ice Condenser compartment  
 $v$  = vapor  
 $l$  = data point at start of test  
 $i$  =  $i$  data point ( $i = 1$  to  $N$ )  
 $N$  = Final data point of a given set  
 $k$  =  $k$  sensor

## MASS PLOT CALCULATION AND STATISTICAL TREATMENT OF LEAK RATE DATA

Normalized Containment Vessel Air Mass

The air mass of the Containment Vessel is calculated using ideal gas law compensated for partial water vapor pressure. Air mass of 3 compartments (lower, upper, Ice) are determined separately and combined to yield the whole Containment Vessel to simplify the calculation. Normalization of  $W_i$  is applied by taking the ratio of the  $i$  value and that of the initial value.

The values 0.5875, 0.2676, 0.1449 are the assigned volume fraction for upper containment, lower containment and Ice Condenser

The average temperature  $T$  at each compartment is calculated as the sum of the volume weighted recorded temperatures.

$$W_i = \frac{0.5875 \left( \frac{P-P}{T} v \right)_u^i + 0.2676 \left( \frac{P-P}{T} v \right)_L^i + 0.1449 \left( \frac{P-P}{T} v \right)_I^i}{0.5875 \left( \frac{P-P}{T} v \right)_u^1 + 0.2676 \left( \frac{P-P}{T} v \right)_L^1 + 0.1449 \left( \frac{P-P}{T} v \right)_I^1}$$

$$T = \frac{\sum V}{\sum k}$$

$k = 1$  to  $21$ ,  $25$  to  $27$  for lower containment

$k = 22$  to  $24$ ,  $28$  to  $37$  for upper containment

$k = 39$  to  $52$  for ice condenser

See Section X for volume fraction of each sensor.

#### Leakage Rate of the Containment Vessel

The graph of  $W_i$  versus time is least square fitted to yield an estimated straight line. The rate of the containment vessel air mass loss (or the containment vessel leak rate) is the slope  $b$  of the least square fitted line  $\hat{W}_i$ :

$$\hat{W}_i = bt_i + a$$

The value of  $a$  and  $b$  can be determined by taking the first partial derivation of the sum of square of deviation  $Q$  ( $Q = \sum (W_i - \hat{W}_i)^2$ ) with respect to  $a$  and  $b$  and minimize them:

$$\frac{\delta Q}{\delta a} = \frac{\delta \left[ \sum (W_i - \hat{W}_i)^2 \right]}{\delta a} = 0$$

$$\hat{W}_i = bt_i + a$$

$$W_i - \hat{W}_i = W_i - bt_i - a$$

$$\frac{\delta \left[ \sum_i (W_i - \hat{W}_i)^2 \right]}{\delta a} = 2 \sum_i (W_i - bt_i - a) = 0$$

$$\sum_i (W_i - bt_i - a) = 0$$

$$Na + b \sum_i t_i = \sum_i W_i \quad (1)$$

$$\frac{\delta Q}{\delta b} = \frac{\delta \left[ \sum_i (W_i - \hat{W}_i)^2 \right]}{\delta b} = 0 \quad \begin{aligned} \hat{W}_i &= bt_i + a \\ W_i - \hat{W}_i &= W_i - bt_i - a \end{aligned}$$

$$\frac{\delta \left[ \sum_i (W_i - \hat{W}_i)^2 \right]}{\delta b} = 2 \sum_i t_i (W_i - bt_i - a) = 0$$

$$\sum_i t_i (W_i - bt_i - a) = 0 \quad (2)$$

$$a \sum_i t_i + b \sum_i t_i^2 = \sum_i t_i W_i \quad (3)$$

with (1) and (3), a and b can be solved by matrix:

$$Na + (\sum_i t_i) b = \sum_i W_i \quad (1)$$

$$\left( \sum_i t_i \right) a + \left( \sum_i t_i^2 \right) b = \sum_i t_i W_i \quad (3)$$

$$b = \frac{\begin{vmatrix} N & \sum_i W_i \\ \sum_i t_i & \sum_i t_i W_i \end{vmatrix}}{\begin{vmatrix} N & \sum_i t_i \\ \sum_i t_i & \sum_i t_i^2 \end{vmatrix}} = \frac{N \sum_i t_i W_i - (\sum_i W_i) (\sum_i t_i)}{N \sum_i t_i^2 - (\sum_i t_i)^2} \quad (4)$$

$$a = \frac{\sum_i W_i \sum_i t_i}{N \sum_i t_i^2} = \frac{\sum_i W_i \sum_i t_i^2 - \sum_i t_i \sum_i W_i}{N \sum_i t_i^2 - (\sum_i t_i)^2} \quad (5)$$

$$LR = -b \text{ 144000\% per day}$$

(\*unless otherwise specified, all summation will be from  $i = 1$  to  $i = N$ )

It is important to emphasize here that the slope  $b$  or leak rate is formulated on the following assumptions:

- the deviation of  $W_i$  from the true value are distributed according to the gas distribution function
- only the  $W_i$  contains random error, not the  $t_i$

### The Confidence Limit of the Slope of the Least Square Line

As indicated in the error analysis, the random error is a major contribution which deviates the test result from the true value. Due to the random characteristics of this error, only statistical treatment can possibly evaluate the error effect on the test result. In order to choose a proper statistical treatment, it is important to identify the characteristics of the observed data. In the previous derivation, it is found that LR is the outcome of the calculation from the observed temperature and pressure in the Containment Vessel using the ideal gas law and curve fitting method. It is now obvious that the observed data is a continuous measurement which is completely different from the discrete measurement. The latter requires discrete statistical treatment ( $\chi^2$  CHI SQUARE), while the former requires continuous statistical treatment (The t test).

The t test provides information which indicates how much the calculated leak rate deviated from the true value and at what probability.

In other words:

$$L_{(TRUE)} = LR \pm \text{"Deviation"} \text{ (percent of probability)}$$

For t test method "deviation" is defined as:

$$\text{Deviation} = t S_b$$

- t is a tabulated value which corresponds to the number of Data sets taken and the required probability (in this case 95% is chosen on popular basis).
- $S_b$  is the standard deviation of the variance of the containment air weight.

Equation (4) indicates that  $b = f(W_i)$  and by definition of variance:

$$S_b^2 = \sum \left( \frac{\delta b}{\delta W_i} \right)^2 S_w^2 \quad (5)$$

where  $S_w^2$  is the variance of  $W_i$ :

$$S_w^2 = \frac{\sum_i (W_i - a - bt_i)^2}{N-2} \quad (6)$$

The (N-2) is chosen here instead of N because the least square line  $W_i$  is restricted by value of b and a. The freedom to evaluate the variance of  $W_i$  is reduced by 2 even though N data is recorded.

$$\frac{\delta b}{\delta W_i} = \frac{\delta \left( \frac{N \sum t_i W_i - (\sum W_i) (\sum t_i)}{N \sum t_i^2 - (\sum t_i)^2} \right)}{\delta W_i}$$

$$\text{let } c = N \sum t_i^2 - (\sum t_i)^2$$

$$\begin{aligned} \frac{\delta b}{\delta W_i} &= \frac{\delta \left( \frac{N \sum t_i W_i - (\sum W_i) (\sum t_i)}{c} \right)}{\delta W_i} \\ &= \frac{1}{c} \delta \left( \frac{N \sum t_i W_i - (\sum W_i) (\sum t_i)}{\delta W_i} \right) \\ &= \frac{1}{c} N t_i - \sum t_i \end{aligned}$$

$$\left( \frac{\delta b}{\delta W_i} \right)^2 = \frac{1}{c^2} \left( N t_i - \sum t_i \right)^2 \quad (7)$$

Substitute (7) to (5)

$$\begin{aligned} S_b^2 &= \frac{S^2}{c^2} \sum (N t_i - \sum t_i)^2 \\ &= \frac{S^2}{c^2} \sum (N^2 t_i^2 - 2 N t_i \sum t_i + (\sum t_i)^2) \\ &= \frac{S^2}{c^2} (N^2 \sum t_i^2 - 2 N \sum t_i \sum t_i + N (\sum t_i)^2) \end{aligned}$$

$$= \frac{S^2}{c^2} (N \sum_i t_i^2 - N(\sum_i t_i)^2) \quad (8)$$

Substitute  $c = N \sum_i t_i^2 - (\sum_i t_i)^2$  to (8):

$$S_b^2 = \frac{NS^2W}{c} = S^2 \frac{c}{w/N}$$

$$\frac{c}{N} = \frac{N \sum_i t_i^2 - \sum_i t_i^2}{N} = \sum_i t_i^2 - \frac{\sum_i t_i^2}{N}$$

$$S_b^2 = \frac{S^2W}{\sum_i t_i^2 - \frac{\sum_i t_i^2}{N}}$$

The identity provides:

$$\sum_i (t_i - \bar{t})^2 = \sum_i t_i^2 - \frac{(\sum_i t_i)^2}{N} = \sum_i t_i^2 - \bar{t} \sum_i t_i$$

$$S_b^2 = \frac{S^2}{\sum_i t_i^2 - \frac{\sum_i t_i^2}{N}} = \frac{S^2}{\sum_i (t_i - \bar{t})^2} = \frac{S^2}{\sum_i t_i^2 - \bar{t} \sum_i t_i} \quad (9)$$

Summarization:

The following are the essential equations used in developing ILRT computer program:

$$W_i = \frac{0.5875 \left( \frac{P-P}{T} \right)_u^i + 0.2676 \left( \frac{P-P}{T} \right)_L^i + 0.1449 \left( \frac{P-P}{T} \right)_I^i}{0.5875 \left( \frac{P-P}{T} \right)_u^i + 0.2676 \left( \frac{P-P}{T} \right)_L^i + 0.1449 \left( \frac{P-P}{T} \right)_I^i}$$

$$T = \sum_{k k} T V$$

$$W_i = bt_i + a$$

$$b = \frac{N \sum t_i W_i - (\sum W_i) (\sum t_i)}{N \sum t_i^2 - (\sum t_i)^2}$$

$$a = \frac{\sum W_i (\sum t_i^2) - (\sum t_i) (\sum t_i W_i)}{N \sum t_i^2 - (\sum t_i)^2}$$

$$LR = -b$$

$$LR(95\%) = LR \pm t S_b$$

t value corresponds to  $f = N-2$  and 0.975

$$S^2 = \frac{\sum (W_i - a - bt_i)^2}{N-2}$$

$$S_b = \left[ \frac{S^2}{\sum t_i^2 - \bar{t} \sum t_i} \right]^{\frac{1}{2}}$$



APPENDIX B

RAW AND PROCESSED DATA

INITIALIZATION DATA

## LEAK RATE INITIALIZATION

## LOWER-CONTAINMENT

26 INSTRUMENT POINTS, 26.8% BLDG VOLUME

BANK-PT	VOL	TYP	A(X**2)	B(X)	C
101	0.0528	N	0.7500E-05	0.99743	0.00563
102	0.0530	N	0.4600E-04	1.00552	-0.10145
105	0.0530	N	0.7100E-05	0.99719	0.04970
106	0.0327	N	0.8500E-05	0.99870	0.719433
108	0.0327	N	0.2600E-05	0.99971	-0.12845
109	0.0327	N	0.8900E-05	0.99739	0.05536
201	0.0530	N	0.9900E-05	0.99728	0.16965
202	0.0530	N	0.1480E-04	0.99544	0.18349
203	0.0530	N	0.5400E-05	0.99809	-0.00017
204	0.0530	N	0.6400E-05	0.99755	0.12772
205	0.0530	N	0.6200E-05	0.99910	-0.02354
206	0.0530	N	0.4000E-04	0.99888	0.07392
207	0.0530	N	0.8800E-05	0.99729	0.01786
208	0.0120	N	0.9600E-05	0.99690	0.18019
209	0.0101	N	0.7900E-05	0.99770	0.12547
210	0.0116	N	0.1380E-04	1.00179	0.18257
301	0.0116	N	0.9700E-05	0.99772	0.07965
305	0.0533	N	0.9000E-05	0.99758	0.02631
306	0.0417	N	0.9100E-05	0.99777	0.10401
307	0.0399	N	0.8400E-05	0.99713	0.03229
607	0.0530	N	0.6700E-05	0.99998	-0.01515
608	0.0530	N	0.1000E-04	0.99738	0.01766
609	0.0327	N	0.2900E-05	1.00009	-0.02875
610	0.0530	N	0.7700E-05	0.99730	0.02782
703	1.0000	3	0.0000E+00	1.00000	0.00000
706	1.0000	3	0.0000E+00	1.00000	0.00000

## UPPER-CONTAINMENT

15 INSTRUMENT POINTS, 58.7% BLDG VOLUME

BANK-PT	VOL	TYP	A(X**2)	B(X)	C
302	0.0200	N	0.7200E-05	1.00046	-0.03259
303	0.0590	N	0.8700E-05	0.99710	0.108983
304	0.0450	N	0.1090E-04	0.99655	0.09412
308	0.0590	N	0.1100E-04	0.99674	0.05613
309	0.0590	N	0.9700E-05	0.99699	0.10034
310	0.0590	N	0.4800E-05	0.99784	0.113053
401	0.0590	N	0.1240E-04	0.99628	0.11534
402	0.1150	N	0.1060E-04	0.99749	0.15319
403	0.1150	N	0.5400E-05	0.99817	-0.03483
404	0.1100	N	0.6700E-05	0.99780	0.107478
405	0.1100	N	0.6050E-04	1.01140	-0.67737
406	0.0950	N	0.1420E-04	0.99698	0.03603
407	0.0950	N	0.1240E-04	0.99854	-0.06783
702	1.0000	3	0.0000E+00	1.00000	0.00000
705	1.0000	3	0.0000E+00	1.00000	0.00000

## ICE-CONDENSER

17 INSTRUMENT POINTS, 14.5% BLDG VOLUME

BANK-PT	VOL	TYP	A(X**2)	B(X)	C
408	0.0559	N	0.1590E-04	0.99643	0.01424
409	0.0559	N	0.1190E-04	0.99644	0.00903
410	0.0559	N	0.4510E-04	0.99341	0.10977
501	0.0559	N	0.1110E-04	0.99642	0.09815
502	0.0559	N	0.2700E-05	1.00033	-0.08323
503	0.0559	N	0.1140E-04	0.99743	0.08463
504	0.0559	N	0.1200E-05	1.00018	0.08309
505	0.0559	N	0.1120E-04	0.99661	0.04627
506	0.0559	N	0.8600E-05	0.99700	0.06424

507	0.0559	2	0.2210E-04	0.99553	0.10638
508	0.0882	2	0.1180E-04	0.99706	0.05920
509	0.0882	2	0.9200E-05	0.99702	0.10969
510	0.0882	2	0.7100E-05	0.99777	0.02570
601	0.0882	2	0.7030E-04	0.99761	0.13962
602	0.0882	2	0.6600E-05	0.99742	0.16865
701	1.0000	4	0.0000E+00	1.00000	0.00000
704	1.0000	3	0.0000E+00	1.00000	0.00000

REPORT SELECTIONS

FULL PRESSURE TEST CALIBRATED DATA

## LEAK RATE INSTRUMENT CALIBRATED DATA

POINTS 1 2 3 4 5 6 7 8 9 10

## 1 READING AT 840112305

BANK 1	70.795	72.427	0.000	0.000	73.711	70.095	0.000	71.234	71.045	0.000
BANK 2	85.539	85.769	84.777	75.180	74.514	75.060	74.125	70.892	71.991	72.018
BANK 3	72.031	68.165	72.355	71.703	71.289	71.032	71.739	72.408	72.593	72.584
BANK 4	72.441	71.908	71.991	72.206	71.639	71.363	71.491	26.929	27.580	31.771
BANK 5	25.213	26.758	26.375	25.351	25.607	26.421	27.560	19.726	19.654	19.604
BANK 6	19.751	19.870	0.000	0.000	0.000	0.000	72.789	72.640	71.892	84.831
BANK 7	29.516	29.527	29.511	-0.110	43.210	42.900	0.000	0.000	0.000	0.000

## 2 READING AT 840112320

BANK 1	70.276	72.507	0.000	0.000	73.831	70.254	0.000	71.284	71.135	0.000
BANK 2	85.519	85.687	84.737	75.050	74.394	74.830	73.955	70.882	71.941	72.006
BANK 3	72.001	67.985	72.056	71.463	71.229	70.992	71.779	71.779	71.784	72.035
BANK 4	71.772	71.568	71.632	71.717	70.967	70.743	70.971	26.989	27.131	27.268
BANK 5	27.578	26.187	25.795	25.171	23.523	26.052	27.830	19.898	19.834	19.804
BANK 6	19.721	19.830	0.000	0.000	0.000	0.000	72.719	72.580	71.843	84.774
BANK 7	29.503	29.512	29.499	-0.050	42.530	42.920	0.000	0.000	0.000	0.000

## 13 READING AT 840112335

BANK 1	70.166	72.467	0.000	0.000	73.711	70.314	0.000	71.334	71.165	0.000
BANK 2	85.509	85.727	84.727	74.950	74.304	74.500	73.875	70.882	71.921	71.996
BANK 3	71.861	67.925	72.236	71.323	71.180	70.962	71.759	71.499	72.633	71.916
BANK 4	71.582	71.298	71.342	71.497	70.857	70.564	70.771	27.129	27.291	27.388
BANK 5	26.810	26.057	25.586	24.931	22.795	27.059	27.819	19.686	19.634	19.654
BANK 6	19.731	19.830	0.000	0.000	0.000	0.000	72.739	72.580	71.843	84.804
BANK 7	29.427	29.506	29.423	-0.030	42.220	43.600	0.000	0.000	0.000	0.000

## 4 READING AT 840112350

BANK 1	70.136	72.407	0.000	0.000	73.751	70.344	0.000	71.374	71.175	0.000
BANK 2	85.499	85.697	84.747	74.900	74.214	74.820	73.836	70.882	71.901	71.976
BANK 3	72.031	67.895	72.228	71.204	71.180	70.952	71.789	71.489	72.591	71.864
BANK 4	71.323	71.058	71.232	71.348	70.877	70.414	70.601	27.227	27.131	27.507
BANK 5	26.152	26.107	25.606	24.761	22.386	27.329	27.650	19.696	19.634	19.654
BANK 6	19.721	19.830	0.000	0.000	0.000	0.000	72.739	72.540	71.723	84.744
BANK 7	29.491	29.500	29.487	-0.080	42.000	43.750	0.000	0.000	0.000	0.000

## 5 READING AT 840121 5

BANK 1	70.116	72.377	0.000	0.000	73.751	70.354	0.000	71.414	71.175	0.000
BANK 2	85.499	85.647	84.757	74.830	74.154	74.810	73.708	70.872	71.881	71.968
BANK 3	72.081	67.745	72.036	71.154	71.170	70.952	71.719	71.402	72.633	71.806
BANK 4	71.253	71.018	71.282	71.268	70.687	70.374	70.551	22.734	26.842	27.358
BANK 5	26.162	26.167	25.716	25.952	22.306	26.850	28.517	19.706	19.644	19.654
BANK 6	19.731	19.830	0.000	0.000	0.000	0.000	72.739	72.510	71.773	84.744
BANK 7	29.487	29.493	29.486	-0.030	41.780	43.720	0.000	0.000	0.000	0.000

## 6 READING AT 840121 20

BANK 1	70.116	72.347	0.000	0.000	73.741	70.364	0.000	71.414	71.175	0.000
BANK 2	85.489	85.657	84.707	74.740	74.094	74.690	73.686	70.872	71.871	71.946
BANK 3	72.071	67.685	71.996	71.084	71.160	70.892	71.719	71.359	72.523	71.716
BANK 4	71.133	70.978	71.342	71.218	70.626	70.254	70.451	37.064	27.071	27.597
BANK 5	26.910	27.348	26.335	26.322	22.416	27.119	27.829	19.706	19.644	19.644
BANK 6	19.741	19.830	0.000	0.000	0.000	0.000	72.729	72.490	71.793	84.714
BANK 7	29.490	29.494	29.483	-0.040	41.780	43.640	0.000	0.000	0.000	0.000

## 7 READING AT 840121 35

BANK 1	70.096	72.337	0.000	0.000	73.741	70.364	0.000	71.434	71.185	0.000
BANK 2	85.479	85.667	84.747	74.720	74.064	74.630	73.606	70.862	71.861	71.936
BANK 3	72.091	67.625	72.066	71.054	71.170	70.902	71.709	71.349	72.443	71.566
BANK 4	71.073	70.899	71.242	71.168	70.476	70.164	70.401	35.637	27.520	27.926

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BANK 5	27.369	28.048	26.881	26.242	22.595	27.069	25.255	19.706	19.644	16.621
BANK 6	19.751	19.840	0.000	0.000	0.000	0.000	72.719	72.470	71.843	84.694
BANK 7	29.482	29.491	29.482	0.010	41.660	43.550	0.000	0.000	0.000	0.000
1. READING AT 840121 80										
BANK 1	70.066	72.297	0.000	0.000	73.691	70.374	0.000	71.434	71.175	0.000
BANK 2	85.479	85.637	64.727	74.450	74.014	70.570	73.556	70.862	71.841	71.896
BANK 3	71.101	97.595	72.026	71.116	70.510	70.862	71.677	70.361	72.413	71.576
BANK 4	27.917	27.378	26.914	25.441	23.074	26.930	33.651	19.716	19.644	27.826
BANK 5	19.751	19.840	0.000	0.000	0.000	0.000	72.709	72.450	71.843	84.694
BANK 6	29.479	29.490	29.476	0.010	41.530	43.460	0.000	0.000	0.000	0.000
2. READING AT 840121 105										
BANK 1	70.066	72.267	0.000	0.000	73.681	70.374	0.000	71.444	71.175	0.000
BANK 2	82.466	87.525	64.717	74.694	71.150	70.570	73.929	70.862	72.843	71.896
BANK 3	70.984	70.858	71.202	71.028	70.446	70.119	70.311	22.313	19.654	28.234
BANK 4	34.637	27.258	27.323	26.542	23.343	20.199	35.874	19.716	19.644	27.826
BANK 5	19.751	19.840	0.000	0.000	0.000	0.000	72.709	72.450	71.843	84.694
BANK 6	29.480	29.489	29.479	0.030	41.620	43.390	0.000	0.000	0.000	0.000
10. READING AT 840121 120										
BANK 1	70.066	72.277	0.000	0.000	73.684	70.364	0.000	70.852	71.187	0.000
BANK 2	85.460	85.597	84.667	74.541	73.934	74.460	73.536	71.884	71.183	0.000
BANK 3	72.074	70.815	71.243	71.024	70.170	70.852	71.687	28.904	27.443	71.859
BANK 4	30.809	27.248	27.323	26.542	23.343	20.199	35.874	19.716	19.644	27.826
BANK 5	19.751	19.840	0.000	0.000	0.000	0.000	72.709	72.450	71.843	84.694
BANK 6	29.475	29.485	29.472	0.110	41.630	43.270	0.000	0.000	0.000	0.000
11. READING AT 840121 135										
BANK 1	70.056	72.257	0.000	0.000	73.671	70.374	0.000	71.184	71.183	0.000
BANK 2	85.469	85.597	84.667	74.541	73.934	74.460	73.536	71.884	71.183	0.000
BANK 3	72.111	70.435	71.886	70.924	71.150	70.822	71.670	28.156	27.470	71.859
BANK 4	34.637	27.258	27.323	26.542	23.343	20.199	35.874	19.716	19.644	27.826
BANK 5	19.751	19.840	0.000	0.000	0.000	0.000	72.709	72.450	71.843	84.694
BANK 6	29.475	29.485	29.472	0.170	41.500	43.250	0.000	0.000	0.000	0.000
12. READING AT 840121 150										
BANK 1	70.056	72.237	0.000	0.000	73.641	70.364	0.000	71.634	71.175	0.000
BANK 2	85.460	85.617	84.677	74.481	73.904	74.410	73.476	70.832	71.811	0.000
BANK 3	70.614	70.415	71.824	70.894	70.126	70.822	71.687	28.904	27.443	71.859
BANK 4	34.637	27.258	27.323	26.542	23.343	20.199	35.874	19.716	19.644	27.826
BANK 5	19.751	19.840	0.000	0.000	0.000	0.000	72.709	72.450	71.843	84.694
BANK 6	29.476	29.483	29.471	0.200	41.460	43.180	0.000	0.000	0.000	0.000
13. READING AT 840121 205										
BANK 1	70.036	72.237	0.000	0.000	73.631	70.364	0.000	71.654	71.165	0.000
BANK 2	85.460	85.587	84.687	74.481	73.984	74.410	73.466	70.812	71.801	0.000
BANK 3	70.814	70.749	71.212	70.848	70.406	69.914	70.171	28.316	28.886	71.866
BANK 4	34.637	27.258	27.323	26.542	23.343	20.199	35.874	19.716	19.644	27.826
BANK 5	19.751	19.840	0.000	0.000	0.000	0.000	72.709	72.450	71.843	84.694
BANK 6	29.473	29.483	29.470	0.140	41.440	43.100	0.000	0.000	0.000	0.000
14. READING AT 840121 220										
BANK 1	70.036	72.217	0.000	0.000	73.641	70.374	0.000	71.434	71.155	0.000
BANK 2	85.450	85.597	84.687	74.471	73.954	74.421	73.466	70.822	71.801	0.000
BANK 3	70.904	70.326	71.052	70.814	71.150	70.782	71.620	28.293	28.218	71.357
BANK 4	34.637	27.258	27.323	26.542	23.343	20.199	35.874	19.716	19.644	27.826
BANK 5	19.751	19.840	0.000	0.000	0.000	0.000	72.709	72.450	71.843	84.694
BANK 6	29.481	29.490	29.479	0.000	0.000	0.000	72.709	72.450	71.843	84.694

BANK 7	29.471	29.480	29.487	0.250	41.450	43.630	0.000	0.000	0.000	0.000
15 READING AT 840121 235										
BANK 1	70.036	72.207	0.000	0.000	73.641	70.374	0.000	71.464	71.145	0.000
BANK 2	85.430	85.597	84.637	74.431	73.824	74.330	73.306	70.812	71.801	71.796
BANK 3	72.061	67.276	71.936	70.784	71.130	70.792	71.640	71.090	72.223	71.367
BANK 4	70.824	70.579	70.902	70.938	70.306	69.904	70.131	29.715	28.966	30.804
BANK 5	28.475	28.822	27.232	27.652	25.866	26.920	27.600	19.766	19.624	19.744
BANK 6	19.911	19.900	0.000	0.000	0.000	0.000	72.689	72.330	71.873	84.584
BANK 7	29.469	29.479	29.464	0.190	41.430	42.970	0.000	0.000	0.000	0.000
16 READING AT 840121 250										
BANK 1	70.016	72.217	0.000	0.000	73.611	70.374	0.000	71.464	71.135	0.000
BANK 2	85.420	85.547	84.667	74.321	73.844	74.301	73.356	70.792	71.791	71.786
BANK 3	72.061	67.236	71.894	70.784	71.110	70.752	71.620	71.070	72.233	71.247
BANK 4	70.804	70.629	71.082	70.908	70.265	69.864	70.061	26.520	27.201	28.045
BANK 5	27.639	28.567	25.886	25.831	24.530	28.027	28.866	19.796	19.704	19.754
BANK 6	19.971	19.900	0.000	0.000	0.000	0.000	72.689	72.300	71.563	84.524
BANK 7	29.467	29.475	29.463	0.270	41.360	42.910	0.000	0.000	0.000	0.000
17 READING AT 840121 305										
BANK 1	70.016	72.177	0.000	0.000	73.611	70.364	0.000	71.454	71.135	0.000
BANK 2	85.440	85.577	84.677	74.381	73.824	74.281	73.346	70.782	71.771	71.774
BANK 3	72.061	67.186	71.836	70.754	71.100	70.752	71.620	71.100	72.164	71.257
BANK 4	70.814	70.539	70.922	70.918	70.245	69.834	70.111	27.049	29.704	27.827
BANK 5	26.322	27.578	25.317	26.772	24.001	29.134	27.959	19.826	19.734	19.804
BANK 6	19.971	19.920	0.000	0.000	0.000	0.000	72.699	72.290	71.382	84.564
BANK 7	29.466	29.474	29.461	0.350	41.220	42.850	0.000	0.000	0.000	0.000
18 READING AT 840121 320										
BANK 1	70.016	72.207	0.000	0.000	73.601	70.364	0.000	71.454	71.135	0.000
BANK 2	85.420	85.577	84.677	74.371	73.814	74.271	73.336	70.772	71.771	71.766
BANK 3	72.041	67.194	71.766	70.734	71.110	70.742	71.620	71.050	72.263	71.217
BANK 4	70.784	70.642	70.982	70.888	70.215	69.834	70.081	27.498	31.247	27.458
BANK 5	26.581	28.178	26.475	28.602	24.340	28.426	27.689	19.855	19.764	19.804
BANK 6	19.901	19.940	0.000	0.000	0.000	0.000	72.692	72.280	71.533	84.524
BANK 7	29.463	29.476	29.459	0.380	41.140	42.800	0.000	0.000	0.000	0.000
19 READING AT 840121 335										
BANK 1	70.016	72.187	0.000	0.000	73.561	70.364	0.000	71.454	71.125	0.000
BANK 2	85.410	85.577	84.647	74.391	73.774	74.251	73.278	70.772	71.771	71.786
BANK 3	72.031	67.126	71.737	70.704	71.110	70.712	71.600	70.950	72.223	71.287
BANK 4	70.794	70.639	70.932	70.848	70.115	69.754	70.031	27.358	26.852	25.934
BANK 5	26.800	28.508	26.385	28.142	24.410	27.219	27.520	19.865	19.783	19.824
BANK 6	19.921	19.970	0.000	0.000	0.000	0.000	72.659	72.270	71.863	84.534
BANK 7	29.460	29.470	29.457	0.410	41.140	42.720	0.000	0.000	0.000	0.000
20 READING AT 840121 342										
BANK 1	70.016	72.157	0.000	0.000	73.571	70.374	0.000	71.444	71.128	0.000
BANK 2	85.400	85.517	84.607	74.321	73.784	74.261	73.266	70.752	71.761	71.746
BANK 3	72.001	67.106	71.776	70.734	71.100	70.712	71.570	71.030	72.243	71.247
BANK 4	70.824	70.549	70.932	70.848	70.125	69.754	70.031	26.511	25.546	24.560
BANK 5	25.295	27.458	24.744	26.702	24.241	27.578	27.719	19.855	19.813	19.853
BANK 6	19.941	19.990	0.000	0.000	0.000	0.000	72.632	72.260	71.703	84.474
BANK 7	29.457	29.468	29.456	0.510	41.170	42.560	0.000	0.000	0.000	0.000
21 READING AT 840121 405										
BANK 1	70.016	72.157	0.000	0.000	73.541	70.364	0.000	71.444	71.125	0.000
BANK 2	85.410	85.547	84.592	74.301	73.744	74.211	73.216	70.752	71.751	71.746
BANK 3	72.011	67.056	71.677	70.704	71.120	70.722	71.570	70.940	72.263	71.177
BANK 4	70.804	70.629	70.862	70.828	70.225	69.774	69.961	26.042	24.927	24.271
BANK 5	25.185	33.611	27.473	26.752	24.600	28.316	27.400	19.905	19.833	19.883
BANK 6	19.950	19.010	0.000	0.000	0.000	0.000	72.632	72.270	71.423	84.464
BANK 7	29.458	29.468	29.456	0.490	41.080	42.560	0.000	0.000	0.000	0.000

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22 READING AT 840121 420

BANK 1	70.016	72.127	0.000	0.000	73.561	70.374	0.000	71.434	71.125	0.000
BANK 2	85.420	85.527	84.577	74.301	73.754	74.231	73.306	70.742	71.751	71.746
BANK 3	72.031	67.026	71.836	70.685	71.120	70.682	71.570	70.240	72.134	71.087
BANK 4	70.714	70.529	70.982	70.798	70.153	69.754	70.001	28.580	27.141	28.123
BANK 5	26.401	40.895	28.481	28.472	25.627	29.862	27.759	19.925	19.843	19.863
BANK 6	19.960	20.030	0.000	0.000	0.000	0.000	72.639	72.230	71.362	84.444
BANK 7	22.460	29.468	29.457	0.510	41.110	42.550	0.000	0.000	0.000	0.000

23 READING AT 840121 435

BANK 1	70.006	72.147	0.000	0.000	73.571	70.364	0.000	71.474	71.105	0.000
BANK 2	85.380	85.547	84.607	74.291	73.744	74.181	73.296	70.742	71.731	71.716
BANK 3	72.021	67.016	71.798	70.665	71.100	70.682	71.560	70.980	72.134	71.157
BANK 4	0.694	70.499	70.962	70.738	70.145	69.684	70.021	27.308	28.188	28.483
BANK 5	27.169	29.239	28.830	28.492	25.695	28.336	27.749	19.935	19.853	19.893
BANK 6	20.040	20.050	0.000	0.000	0.000	0.000	72.622	72.210	71.262	84.414
BANK 7	29.459	29.467	29.457	0.570	41.050	42.480	0.000	0.000	0.000	0.000

24 READING AT 840121 450

BANK 1	69.986	72.137	0.000	0.000	73.561	70.364	0.000	71.424	71.095	0.000
BANK 2	85.370	85.487	84.587	74.281	73.734	74.161	73.137	70.732	71.731	71.716
BANK 3	71.991	66.956	71.756	70.665	71.090	70.652	71.540	70.930	72.154	71.187
BANK 4	70.604	70.549	70.852	70.758	70.085	69.644	69.921	27.399	29.025	31.133
BANK 5	28.465	29.189	28.620	28.212	25.956	27.648	27.700	19.955	19.863	19.913
BANK 6	20.060	20.060	0.000	0.000	0.000	0.000	72.639	72.210	71.442	84.434
BANK 7	29.457	29.466	29.454	0.620	41.030	42.470	0.000	0.000	0.000	0.000

25 READING AT 840121 505

BANK 1	69.986	72.117	0.000	0.000	73.541	70.354	0.000	71.444	71.095	0.000
BANK 2	85.360	85.497	84.567	74.261	73.724	74.121	73.186	70.702	71.721	71.706
BANK 3	71.981	66.886	71.816	70.645	71.100	70.642	71.510	70.920	72.134	71.117
BANK 4	70.564	70.429	70.882	70.743	70.085	69.674	69.941	26.172	25.875	26.462
BANK 5	25.933	28.669	25.387	25.832	25.884	28.306	28.138	19.875	19.873	19.893
BANK 6	20.020	20.070	0.000	0.000	0.000	0.000	72.629	72.190	71.192	84.424
BANK 7	29.453	29.461	29.451	0.630	41.060	42.380	0.000	0.000	0.000	0.000

26 READING AT 840121 520

BANK 1	69.976	72.107	0.000	0.000	73.531	70.344	0.000	71.414	71.095	0.000
BANK 2	85.360	85.527	84.557	74.241	73.704	74.111	73.196	70.712	71.711	71.696
BANK 3	71.981	66.856	71.567	70.625	71.050	70.642	71.500	71.692	72.114	71.067
BANK 4	70.674	70.529	70.832	70.748	70.095	69.684	69.931	25.814	25.092	25.098
BANK 5	25.205	28.358	25.257	25.421	24.872	26.481	27.839	19.985	19.893	19.933
BANK 6	20.040	20.090	0.000	0.000	0.000	0.000	72.619	72.190	71.332	84.484
BANK 7	29.450	29.459	29.447	0.660	40.970	42.340	0.000	0.000	0.000	0.000

27 READING AT 840121 535

BANK 1	69.986	72.107	0.000	0.000	73.501	70.344	0.000	71.424	71.095	0.000
BANK 2	85.370	85.507	84.587	74.241	73.684	74.111	73.216	70.702	71.711	71.686
BANK 3	71.981	66.816	71.687	70.585	71.030	70.622	71.500	70.900	72.074	71.077
BANK 4	70.704	70.519	70.852	70.748	70.095	69.595	69.881	25.932	25.276	24.999
BANK 5	24.976	27.988	24.938	25.241	24.590	27.748	28.826	20.005	19.923	19.973
BANK 6	20.050	20.100	0.000	0.000	0.000	0.000	72.639	72.171	71.322	84.444
BANK 7	29.450	29.456	29.446	0.670	40.950	42.310	0.000	0.000	0.000	0.000

28 READING AT 840121 550

BANK 1	69.976	72.107	0.000	0.000	73.501	70.344	0.000	71.424	71.095	0.000
BANK 2	85.370	85.507	84.587	74.241	73.684	74.111	73.216	70.702	71.711	71.686
BANK 3	71.971	66.736	71.707	70.585	71.030	70.622	71.500	70.900	72.074	71.077
BANK 4	70.704	70.519	70.852	70.748	70.095	69.595	69.861	25.753	24.509	24.042
BANK 5	24.826	27.728	25.407	25.131	24.181	27.967	28.866	20.035	19.953	20.003
BANK 6	20.070	20.120	0.000	0.000	0.000	0.000	72.609	72.161	71.212	84.374
BANK 7	29.452	29.456	29.445	0.740	40.900	42.280	0.000	0.000	0.000	0.000

29 READING AT 840121 605

BANK 1	69.986	72.087	0.000	0.000	73.521	70.324	0.000	71.434	71.085	0.000
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BANK 2	85.360	85.487	84.557	74.221	73.644	74.101	73.196	70.692	71.691	71.685
BANK 3	71.931	71.557	70.718	70.718	70.075	68.565	69.781	70.830	72.044	71.937
BANK 4	70.554	70.499	70.684	26.800	24.171	26.800	28.069	29.052	29.843	29.287
BANK 5	20.080	27.130	26.000	0.640	41.000	42.200	0.000	0.000	71.242	70.500
BANK 6	29.448	29.453	29.442	0.640	41.000	42.200	0.000	0.000	71.242	84.384
BANK 7	29.448	29.453	29.442	0.640	41.000	42.200	0.000	0.000	71.242	0.000

30 READING AT 840121 620

BANK 1	69.976	72.087	0.000	0.000	73.501	70.344	0.000	71.444	71.055	0.000
BANK 2	85.330	84.337	84.337	74.214	71.040	70.612	73.186	70.820	72.064	71.696
BANK 3	71.931	70.502	70.982	70.982	68.524	68.551	69.870	33.639	72.064	71.007
BANK 4	70.554	70.982	70.982	29.922	24.531	28.351	29.870	28.639	19.893	20.013
BANK 5	20.080	20.150	0.000	0.000	40.900	42.230	72.609	72.171	71.322	84.364
BANK 6	29.448	29.448	29.448	0.820	40.900	42.230	72.609	72.171	71.322	84.364
BANK 7	29.448	29.448	29.448	0.820	40.900	42.230	72.609	72.171	71.322	84.364

31 READING AT 840121 630

BANK 1	69.976	72.087	0.000	0.000	73.481	70.334	0.000	71.392	71.071	0.000
BANK 2	85.330	84.337	84.337	74.214	71.040	70.612	73.186	70.820	72.064	71.696
BANK 3	71.931	70.502	70.982	70.982	68.524	68.551	69.870	33.639	72.064	71.007
BANK 4	70.554	70.982	70.982	29.922	24.531	28.351	29.870	28.639	19.893	20.013
BANK 5	20.080	20.150	0.000	0.000	40.900	42.230	72.609	72.171	71.322	84.364
BANK 6	29.448	29.448	29.448	0.820	40.900	42.230	72.609	72.171	71.322	84.364
BANK 7	29.448	29.448	29.448	0.820	40.900	42.230	72.609	72.171	71.322	84.364

32 READING AT 840121 650

BANK 1	69.976	72.087	0.000	0.000	73.471	70.314	0.000	71.424	71.055	0.000
BANK 2	85.330	84.337	84.337	74.214	71.040	70.612	73.186	70.820	72.064	71.696
BANK 3	71.931	70.502	70.982	70.982	68.524	68.551	69.870	33.639	72.064	71.007
BANK 4	70.554	70.982	70.982	29.922	24.531	28.351	29.870	28.639	19.893	20.013
BANK 5	20.080	20.150	0.000	0.000	40.900	42.230	72.609	72.171	71.322	84.364
BANK 6	29.448	29.448	29.448	0.820	40.900	42.230	72.609	72.171	71.322	84.364
BANK 7	29.448	29.448	29.448	0.820	40.900	42.230	72.609	72.171	71.322	84.364

33 READING AT 840121 705

BANK 1	69.976	72.087	0.000	0.000	73.471	70.324	0.000	71.364	71.055	0.000
BANK 2	85.330	84.337	84.337	74.214	71.040	70.612	73.186	70.820	72.064	71.696
BANK 3	71.931	70.502	70.982	70.982	68.524	68.551	69.870	33.639	72.064	71.007
BANK 4	70.554	70.982	70.982	29.922	24.531	28.351	29.870	28.639	19.893	20.013
BANK 5	20.080	20.150	0.000	0.000	40.900	42.230	72.609	72.171	71.322	84.364
BANK 6	29.448	29.448	29.448	0.820	40.900	42.230	72.609	72.171	71.322	84.364
BANK 7	29.448	29.448	29.448	0.820	40.900	42.230	72.609	72.171	71.322	84.364

34 READING AT 840121 720

BANK 1	69.976	72.087	0.000	0.000	73.451	70.324	0.000	71.424	71.045	0.000
BANK 2	85.330	84.337	84.337	74.214	71.040	70.612	73.186	70.820	72.064	71.696
BANK 3	71.931	70.502	70.982	70.982	68.524	68.551	69.870	33.639	72.064	71.007
BANK 4	70.554	70.982	70.982	29.922	24.531	28.351	29.870	28.639	19.893	20.013
BANK 5	20.080	20.150	0.000	0.000	40.900	42.230	72.609	72.171	71.322	84.364
BANK 6	29.448	29.448	29.448	0.820	40.900	42.230	72.609	72.171	71.322	84.364
BANK 7	29.448	29.448	29.448	0.820	40.900	42.230	72.609	72.171	71.322	84.364

35 READING AT 840121 735

BANK 1	69.976	72.087	0.000	0.000	73.441	70.314	0.000	71.404	71.045	0.000
BANK 2	85.330	84.337	84.337	74.214	71.040	70.612	73.186	70.820	72.064	71.696
BANK 3	71.931	70.502	70.982	70.982	68.524	68.551	69.870	33.639	72.064	71.007
BANK 4	70.554	70.982	70.982	29.922	24.531	28.351	29.870	28.639	19.893	20.013
BANK 5	20.080	20.150	0.000	0.000	40.900	42.230	72.609	72.171	71.322	84.364
BANK 6	29.448	29.448	29.448	0.820	40.900	42.230	72.609	72.171	71.322	84.364
BANK 7	29.448	29.448	29.448	0.820	40.900	42.230	72.609	72.171	71.322	84.364

36 READING AT 840121 750

BANK 1	69.976	72.087	0.000	0.000	73.461	70.314	0.000	71.424	71.035	0.000
BANK 2	85.330	84.337	84.337	74.214	71.040	70.612	73.186	70.820	72.064	71.696
BANK 3	71.931	70.502	70.982	70.982	68.524	68.551	69.870	33.639	72.064	71.007
BANK 4	70.554	70.982	70.982	29.922	24.531	28.351	29.870	28.639	19.893	20.013
BANK 5	20.080	20.150	0.000	0.000	40.900	42.230	72.609	72.171	71.322	84.364
BANK 6	29.448	29.448	29.448	0.820	40.900	42.230	72.609	72.171	71.322	84.364
BANK 7	29.448	29.448	29.448	0.820	40.900	42.230	72.609	72.171	71.322	84.364

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BEGINNING OF  
DATA FOR 24HR  
FULL-PRESSURE  
TEST

37 READING AT 840121 805

BANK 4	70.584	70.419	70.593	70.599	69.955	45.475	69.881	26.182	26.104	25.277
BANK 5	25.883	29.499	27.822	26.882	24.231	28.476	22.304	20.125	20.043	20.083
BANK 6	20.160	20.190	0.000	0.000	0.000	0.000	72.589	72.111	71.202	64.275
BANK 7	22.448	22.437	1.000	40.650	41.980	0.000	0.000	0.000	0.000	0.000

37 READING AT 840121 805

BANK 1	69.966	72.068	0.000	0.000	73.451	70.324	0.000	71.424	71.045	0.000
BANK 2	85.280	85.424	81.527	76.124	77.564	74.911	73.036	70.942	71.641	71.689
BANK 3	71.911	70.415	70.459	70.589	67.235	69.435	62.711	26.890	25.915	25.008
BANK 4	25.923	30.029	28.050	28.622	24.649	28.286	28.466	20.155	20.063	20.093
BANK 5	20.160	20.190	0.000	0.000	0.000	0.000	72.619	72.081	71.022	64.275
BANK 6	22.448	22.437	1.000	40.650	41.980	0.000	0.000	0.000	0.000	0.000

38 READING AT 840121 820

BANK 1	63.266	73.038	0.000	0.000	73.441	70.284	0.000	71.382	71.025	0.000
BANK 2	85.280	85.424	81.527	76.124	77.564	74.911	73.036	70.942	71.641	71.689
BANK 3	71.911	70.415	70.459	70.589	67.235	69.435	62.711	26.890	25.915	25.008
BANK 4	25.923	30.029	28.050	28.622	24.649	28.286	28.466	20.155	20.063	20.093
BANK 5	20.160	20.190	0.000	0.000	0.000	0.000	72.589	72.111	71.022	64.275
BANK 6	22.448	22.437	1.000	40.650	41.980	0.000	0.000	0.000	0.000	0.000

39 READING AT 840121 835

BANK 1	69.966	72.068	0.000	0.000	73.421	70.314	0.000	71.404	71.025	0.000
BANK 2	85.280	85.424	81.527	76.124	77.564	74.911	73.036	70.942	71.641	71.689
BANK 3	71.911	70.415	70.459	70.589	67.235	69.435	62.711	26.890	25.915	25.008
BANK 4	25.923	30.029	28.050	28.622	24.649	28.286	28.466	20.155	20.063	20.093
BANK 5	20.160	20.190	0.000	0.000	0.000	0.000	72.589	72.111	71.022	64.275
BANK 6	22.448	22.437	1.000	40.650	41.980	0.000	0.000	0.000	0.000	0.000

40 READING AT 840121 850

BANK 1	69.966	72.068	0.000	0.000	73.421	70.314	0.000	71.404	71.025	0.000
BANK 2	85.280	85.424	81.527	76.124	77.564	74.911	73.036	70.942	71.641	71.689
BANK 3	71.911	70.415	70.459	70.589	67.235	69.435	62.711	26.890	25.915	25.008
BANK 4	25.923	30.029	28.050	28.622	24.649	28.286	28.466	20.155	20.063	20.093
BANK 5	20.160	20.190	0.000	0.000	0.000	0.000	72.589	72.111	71.022	64.275
BANK 6	22.448	22.437	1.000	40.650	41.980	0.000	0.000	0.000	0.000	0.000

41 READING AT 840121 905

BANK 1	69.956	72.038	0.000	0.000	73.421	70.324	0.000	71.384	71.000	0.000
BANK 2	85.250	85.327	81.507	76.124	77.564	74.911	73.036	70.942	71.641	71.689
BANK 3	71.901	70.375	70.459	70.589	67.235	69.435	62.711	26.890	25.915	25.008
BANK 4	25.919	27.672	28.662	24.649	28.286	28.466	20.155	20.063	20.093	20.093
BANK 5	20.260	20.279	0.000	0.000	0.000	0.000	72.589	72.111	71.022	64.275
BANK 6	22.440	22.448	22.437	1.150	40.600	41.980	0.000	0.000	0.000	0.000

42 READING AT 840121 920

BANK 1	69.956	72.038	0.000	0.000	73.421	70.324	0.000	71.384	71.000	0.000
BANK 2	85.250	85.327	81.507	76.124	77.564	74.911	73.036	70.942	71.641	71.689
BANK 3	71.901	70.375	70.459	70.589	67.235	69.435	62.711	26.890	25.915	25.008
BANK 4	25.919	27.672	28.662	24.649	28.286	28.466	20.155	20.063	20.093	20.093
BANK 5	20.260	20.279	0.000	0.000	0.000	0.000	72.589	72.111	71.022	64.275
BANK 6	22.440	22.448	22.437	1.150	40.600	41.980	0.000	0.000	0.000	0.000

43 READING AT 840121 935

BANK 1	69.956	72.018	0.000	0.000	73.411	70.294	0.000	71.374	71.015	0.000
BANK 2	85.250	85.407	81.507	76.124	77.564	74.911	73.036	70.942	71.641	71.689
BANK 3	71.851	70.359	70.435	70.589	67.235	69.435	62.711	26.890	25.915	25.008
BANK 4	25.919	27.672	28.662	24.649	28.286	28.466	20.155	20.063	20.093	20.093
BANK 5	20.260	20.279	0.000	0.000	0.000	0.000	72.589	72.111	71.022	64.275
BANK 6	22.438	22.444	22.434	1.210	40.500	41.710	0.000	0.000	0.000	0.000

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BANK 6	20.270	20.369	0.000	0.000	0.000	72.579	72.061	71.052	84.203
BANK 7	29.434	29.441	29.430	1.280	40.460	0.000	0.000	0.000	0.000
44. READING AT 8401211030									
BANK 1	85.956	85.956	0.000	0.000	73.392	70.304	71.384	71.015	0.000
BANK 2	85.240	85.387	84.487	74.111	73.514	73.261	70.582	71.601	71.666
BANK 3	71.871	66.426	71.443	70.135	70.880	72.397	70.670	71.854	70.837
BANK 4	28.425	29.398	29.483	28.912	28.864	27.328	27.248	26.172	25.357
BANK 5	20.280	20.312	0.000	0.000	0.000	72.569	72.061	71.092	84.245
BANK 6	29.434	29.442	29.430	1.230	40.530	0.000	0.000	0.000	0.000
45. READING AT 8401211030									
BANK 1	70.148	72.027	0.000	0.000	73.424	70.334	71.424	71.025	0.000
BANK 2	85.250	85.373	84.497	74.091	73.514	73.001	70.592	71.601	71.676
BANK 3	71.895	66.636	71.327	70.143	70.249	70.472	70.580	71.744	70.867
BANK 4	25.305	27.182	27.263	26.822	24.520	27.079	27.271	20.192	20.232
BANK 5	20.290	20.322	0.000	0.000	0.000	72.579	72.061	71.062	84.245
BANK 6	29.434	29.442	29.430	1.250	40.430	0.000	0.000	0.000	0.000
46. READING AT 8401211030									
BANK 1	70.805	72.187	0.000	0.000	73.411	70.314	71.414	71.015	0.000
BANK 2	85.270	85.393	84.417	74.083	73.504	73.281	70.472	71.581	71.656
BANK 3	71.851	66.291	71.377	70.129	70.300	70.472	70.696	71.851	70.837
BANK 4	27.607	28.513	29.742	27.032	25.138	28.645	27.391	20.202	20.242
BANK 5	20.300	20.332	0.000	0.000	0.000	72.569	72.061	71.062	84.245
BANK 6	29.441	29.448	29.434	1.300	40.430	0.000	0.000	0.000	0.000
47. READING AT 8401211030									
BANK 1	70.120	72.177	0.000	0.000	73.411	70.304	71.384	71.025	0.000
BANK 2	85.230	85.377	84.487	74.101	73.514	73.261	70.582	71.581	71.666
BANK 3	71.851	66.706	71.477	70.129	70.870	70.482	70.631	71.834	70.897
BANK 4	20.445	20.549	20.613	20.529	20.914	20.295	20.571	20.132	20.296
BANK 5	20.310	20.342	0.000	0.000	0.000	72.569	72.061	71.032	84.245
BANK 6	29.444	29.442	29.434	1.350	40.430	0.000	0.000	0.000	0.000
48. READING AT 8401211030									
BANK 1	70.805	72.177	0.000	0.000	73.411	70.314	71.384	71.015	0.000
BANK 2	85.230	85.377	84.497	74.101	73.514	73.261	70.582	71.581	71.666
BANK 3	71.851	66.718	71.437	70.143	70.880	70.462	70.631	71.874	70.867
BANK 4	28.944	29.270	29.352	29.272	28.914	28.185	27.398	20.218	20.242
BANK 5	20.332	20.364	0.000	0.000	0.000	72.569	72.061	71.032	84.245
BANK 6	29.435	29.440	29.438	1.360	40.400	0.000	0.000	0.000	0.000
49. READING AT 8401211030									
BANK 1	70.106	72.087	0.000	0.000	73.392	70.304	71.374	71.015	0.000
BANK 2	85.230	85.387	84.477	74.091	73.494	73.261	70.572	71.581	71.646
BANK 3	71.841	66.398	71.377	70.129	70.870	70.462	70.680	71.874	70.867
BANK 4	20.395	20.549	20.613	20.529	20.864	20.285	20.571	20.132	20.296
BANK 5	20.320	20.352	0.000	0.000	0.000	72.569	72.061	71.032	84.245
BANK 6	29.430	29.437	29.422	1.330	40.420	0.000	0.000	0.000	0.000
50. READING AT 8401211050									
BANK 1	70.106	72.087	0.000	0.000	73.392	70.314	71.394	71.005	0.000
BANK 2	85.210	85.397	84.437	74.091	73.484	73.261	70.562	71.571	71.646
BANK 3	71.831	66.706	71.417	70.129	70.880	70.462	70.660	71.904	70.897
BANK 4	20.455	20.569	20.613	20.509	20.794	20.255	20.471	20.134	20.296
BANK 5	20.320	20.352	0.000	0.000	0.000	72.569	72.061	71.032	84.245
BANK 6	29.432	29.438	29.429	1.310	40.470	0.000	0.000	0.000	0.000

51 READING AT 8401211100  
 BANK 1 70.795 72.157 0.000 73.401 70.304 0.000 71.454 71.015 0.000  
 BANK 2 70.795 72.157 74.984 73.484 73.241 71.337 70.577 71.571 70.600  
 BANK 3 70.795 72.157 74.984 73.484 73.241 71.337 70.577 71.571 70.600  
 BANK 4 70.405 70.299 70.593 69.744 69.215 69.611 27.498 27.051 27.737  
 BANK 5 24.926 24.926 24.988 24.988 26.434 25.501 20.314 20.232 20.263  
 BANK 6 20.320 20.320 20.320 20.320 20.000 22.562 72.031 71.122 64.155  
 BANK 7 29.426 29.426 29.428 29.428 41.330 0.000 0.000 0.000 0.000

52 READING AT 8401211108  
 BANK 1 70.116 72.027 0.000 73.382 70.314 0.000 71.324 71.005 0.000  
 BANK 2 70.116 72.027 74.447 73.484 73.484 72.597 70.581 71.784 71.452  
 BANK 3 71.831 69.756 71.437 70.910 70.462 71.180 70.581 71.784 71.452  
 BANK 4 70.395 70.299 70.683 69.724 69.175 69.601 27.917 28.946 28.244  
 BANK 5 24.346 24.346 24.618 24.618 25.141 25.726 20.314 20.232 20.263  
 BANK 6 20.320 20.320 20.320 20.320 20.000 22.562 72.031 71.122 64.155  
 BANK 7 29.426 29.426 29.428 29.428 41.330 0.000 0.000 0.000 0.000

53 READING AT 8401211120  
 BANK 1 70.795 72.157 0.000 73.352 70.314 0.000 71.324 71.015 0.000  
 BANK 2 70.795 72.157 74.984 73.484 73.241 71.337 70.577 71.571 70.600  
 BANK 3 70.795 72.157 74.984 73.484 73.241 71.337 70.577 71.571 70.600  
 BANK 4 70.405 70.299 70.593 69.744 69.215 69.611 27.498 27.051 27.737  
 BANK 5 24.926 24.926 24.988 24.988 26.434 25.501 20.314 20.232 20.263  
 BANK 6 20.320 20.320 20.320 20.320 20.000 22.562 72.031 71.122 64.155  
 BANK 7 29.426 29.426 29.428 29.428 41.330 0.000 0.000 0.000 0.000

54 READING AT 8401211130  
 BANK 1 70.106 72.068 0.000 73.372 70.284 0.000 71.324 71.005 0.000  
 BANK 2 70.106 72.068 74.447 73.484 73.484 72.597 70.581 71.784 71.452  
 BANK 3 71.821 69.756 71.437 70.910 70.462 71.180 70.581 71.784 71.452  
 BANK 4 70.395 70.299 70.683 69.724 69.175 69.601 27.917 28.946 28.244  
 BANK 5 24.926 24.926 24.988 24.988 26.434 25.501 20.314 20.232 20.263  
 BANK 6 20.320 20.320 20.320 20.320 20.000 22.562 72.031 71.122 64.155  
 BANK 7 29.426 29.426 29.428 29.428 41.330 0.000 0.000 0.000 0.000

55 READING AT 8401211140  
 BANK 1 70.795 72.137 0.000 73.372 70.284 0.000 71.324 71.005 0.000  
 BANK 2 70.795 72.137 74.447 73.484 73.484 72.597 70.581 71.784 71.452  
 BANK 3 71.821 69.756 71.437 70.910 70.462 71.180 70.581 71.784 71.452  
 BANK 4 70.405 70.299 70.593 69.744 69.215 69.611 27.498 27.051 27.737  
 BANK 5 24.926 24.926 24.988 24.988 26.434 25.501 20.314 20.232 20.263  
 BANK 6 20.320 20.320 20.320 20.320 20.000 22.562 72.031 71.122 64.155  
 BANK 7 29.426 29.426 29.428 29.428 41.330 0.000 0.000 0.000 0.000

56 READING AT 8401211150  
 BANK 1 70.106 72.068 0.000 73.372 70.284 0.000 71.324 71.005 0.000  
 BANK 2 70.106 72.068 74.447 73.484 73.484 72.597 70.581 71.784 71.452  
 BANK 3 71.821 69.756 71.437 70.910 70.462 71.180 70.581 71.784 71.452  
 BANK 4 70.395 70.299 70.683 69.724 69.175 69.601 27.917 28.946 28.244  
 BANK 5 24.926 24.926 24.988 24.988 26.434 25.501 20.314 20.232 20.263  
 BANK 6 20.320 20.320 20.320 20.320 20.000 22.562 72.031 71.122 64.155  
 BANK 7 29.426 29.426 29.428 29.428 41.330 0.000 0.000 0.000 0.000

57 READING AT 8401211200  
 BANK 1 70.795 72.117 0.000 73.352 70.284 0.000 71.324 71.005 0.000  
 BANK 2 70.795 72.117 74.447 73.484 73.484 72.597 70.581 71.784 71.452  
 BANK 3 71.821 69.756 71.437 70.910 70.462 71.180 70.581 71.784 71.452  
 BANK 4 70.405 70.299 70.593 69.744 69.215 69.611 27.498 27.051 27.737  
 BANK 5 24.926 24.926 24.988 24.988 26.434 25.501 20.314 20.232 20.263  
 BANK 6 20.320 20.320 20.320 20.320 20.000 22.562 72.031 71.122 64.155  
 BANK 7 29.426 29.426 29.428 29.428 41.330 0.000 0.000 0.000 0.000

58 READING AT 8401211210  
 BANK 1 70.795 72.117 0.000 73.352 70.284 0.000 71.324 71.005 0.000  
 BANK 2 70.795 72.117 74.447 73.484 73.484 72.597 70.581 71.784 71.452  
 BANK 3 71.821 69.756 71.437 70.910 70.462 71.180 70.581 71.784 71.452  
 BANK 4 70.405 70.299 70.593 69.744 69.215 69.611 27.498 27.051 27.737  
 BANK 5 24.926 24.926 24.988 24.988 26.434 25.501 20.314 20.232 20.263  
 BANK 6 20.320 20.320 20.320 20.320 20.000 22.562 72.031 71.122 64.155  
 BANK 7 29.426 29.426 29.428 29.428 41.330 0.000 0.000 0.000 0.000

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59 READING AT 8401211220										
BANK 1	70.136	72.058	0.000	0.000	73.342	70.284	0.000	71.354	70.975	0.000
BANK 2	85.180	85.347	84.397	74.051	73.434	73.881	73.007	70.522	71.551	71.626
BANK 3	71.831	66.766	71.347	70.375	70.670	70.432	71.290	70.531	71.874	70.738
BANK 4	24.597	27.778	27.553	20.469	69.634	69.225	69.541	32.265	27.141	26.671
BANK 5	20.409	20.442	0.000	0.000	0.000	0.000	27.839	20.334	20.312	20.363
BANK 6	29.428	29.433	29.422	1.350	40.230	41.400	0.000	0.000	0.000	84.085
BANK 7										0.000

60 READING AT 8401211230										
BANK 1	70.795	72.127	0.000	0.000	73.342	70.304	0.000	71.374	70.985	0.000
BANK 2	85.180	85.317	84.407	74.041	73.424	73.891	73.027	70.532	71.541	71.626
BANK 3	71.811	66.806	71.337	70.355	70.650	70.402	71.290	70.571	71.944	70.807
BANK 4	70.375	70.259	70.873	70.419	69.694	69.205	69.571	35.662	27.520	27.249
BANK 5	24.796	28.278	27.672	27.492	24.719	26.092	27.231	20.404	20.322	20.373
BANK 6	20.419	20.459	0.000	0.000	0.000	0.000	72.529	71.981	71.222	84.148
BANK 7	29.427	29.434	29.421	1.380	40.400	41.330	0.000	0.000	0.000	0.000

61 READING AT 8401211240										
BANK 1	70.106	72.058	0.000	0.000	73.332	70.304	0.000	71.374	70.975	0.000
BANK 2	85.160	85.317	84.387	74.021	73.434	73.861	72.867	70.512	71.531	71.616
BANK 3	71.801	66.836	71.377	70.355	70.640	70.402	71.300	70.591	71.774	70.822
BANK 4	70.395	70.259	70.543	70.419	69.674	69.245	69.551	37.093	27.759	27.537
BANK 5	24.516	28.628	27.992	27.502	25.128	25.623	27.371	20.414	20.332	20.363
BANK 6	20.459	20.479	0.000	0.000	0.000	0.000	72.519	71.981	71.312	84.105
BANK 7	29.424	29.430	29.421	1.480	40.390	41.330	0.000	0.000	0.000	0.000

62 READING AT 8401211250										
BANK 1	70.775	72.107	0.000	0.000	73.332	70.294	0.000	71.344	70.975	0.000
BANK 2	85.150	85.327	84.367	74.041	73.414	73.861	72.937	70.482	71.521	71.606
BANK 3	71.811	66.816	71.307	70.335	70.660	70.402	71.250	70.511	71.744	70.827
BANK 4	70.315	70.209	70.533	70.373	69.674	69.245	69.531	39.233	28.218	28.205
BANK 5	31.447	28.529	28.473	28.112	25.098	25.623	31.208	20.424	20.342	20.373
BANK 6	20.519	20.479	0.000	0.000	0.000	0.000	72.509	71.961	71.242	84.085
BANK 7	29.424	29.431	29.421	1.500	40.360	41.210	0.000	0.000	0.000	0.000

63 READING AT 8401211300										
BANK 1	70.086	72.038	0.000	0.000	73.322	70.274	0.000	71.354	70.965	0.000
BANK 2	85.150	85.297	84.407	74.021	73.414	73.871	72.987	70.492	71.521	71.596
BANK 3	71.801	66.846	71.227	70.335	70.670	70.332	71.290	70.491	71.814	70.857
BANK 4	70.446	70.249	70.443	70.359	69.734	69.239	69.491	39.719	27.450	27.417
BANK 5	36.672	28.799	26.285	26.512	25.238	26.720	31.388	20.434	20.342	20.383
BANK 6	20.509	20.479	0.000	0.000	0.000	0.000	72.509	71.961	71.232	84.075
BANK 7	29.422	29.429	29.418	1.570	40.380	41.210	0.000	0.000	0.000	0.000

64 READING AT 8401211310										
BANK 1	70.775	72.097	0.000	0.000	73.322	70.264	0.000	71.344	70.955	0.000
BANK 2	85.130	85.327	84.367	74.041	73.404	73.861	72.917	70.492	71.521	71.596
BANK 3	71.801	66.834	71.207	70.225	70.650	70.382	71.250	70.641	71.804	70.738
BANK 4	70.425	70.209	70.473	70.389	69.634	69.215	69.521	29.126	26.044	25.505
BANK 5	31.905	28.268	25.616	25.751	24.939	27.408	31.687	20.444	20.352	20.392
BANK 6	20.519	20.487	0.000	0.000	0.000	0.000	72.509	71.971	71.653	84.105
BANK 7	29.419	29.426	29.417	1.620	40.270	41.260	0.000	0.000	0.000	0.000

65 READING AT 8401211320										
BANK 1	70.086	72.038	0.000	0.000	73.302	70.264	0.000	71.344	70.945	0.000
BANK 2	85.120	85.297	84.377	74.011	73.414	73.841	72.897	70.482	71.511	71.606

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BANK 3 71.801 65.863 71.317 70.285 70.850 70.362 71.260 70.481 71.724 70.758  
 BANK 4 70.355 70.302 70.523 70.329 70.724 69.215 69.521 28.164 26.184 20.416  
 BANK 5 28.592 28.328 25.407 25.631 24.968 27.538 20.965 20.364 20.392 20.412  
 BANK 6 20.482 20.439 20.439 0.000 0.000 0.000 0.000 0.000 0.000 0.000  
 BANK 7 29.426 29.426 29.418 0.000 40.300 41.160 0.000 0.000 0.000 0.000

66 READING AT 8401211350

BANK 1 70.752 72.117 80.909 0.000 73.312 70.254 92.009 71.354 70.275 0.000  
 BANK 2 85.130 66.866 71.237 70.355 70.850 70.402 71.280 70.531 71.754 70.758  
 BANK 3 71.771 70.415 70.289 70.443 69.334 69.225 69.501 28.106 27.281 27.219  
 BANK 4 27.049 28.289 26.006 26.152 25.357 28.107 28.529 71.971 71.853 84.053  
 BANK 5 20.509 20.519 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  
 BANK 6 29.426 29.431 29.422 1.680 40.280 41.210 0.000 0.000 0.000 0.000

67 READING AT 8401211340

BANK 1 70.116 72.048 80.000 0.000 73.312 70.264 92.000 71.364 70.985 0.000  
 BANK 2 85.130 66.896 71.327 70.325 70.810 70.371 72.207 70.492 71.814 70.606  
 BANK 3 71.791 70.219 70.543 70.322 69.654 68.185 68.594 28.424 28.939 27.729  
 BANK 4 29.079 28.069 29.153 28.822 28.658 28.855 28.594 20.504 20.412 20.472  
 BANK 5 20.519 20.539 20.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  
 BANK 6 29.426 29.431 29.421 1.740 40.290 41.320 0.000 0.000 0.000 0.000

68 READING AT 8401211350

BANK 1 70.795 73.177 80.000 0.000 73.312 70.264 92.000 71.354 70.965 0.000  
 BANK 2 85.120 66.876 71.307 70.355 70.850 70.402 71.280 70.531 71.834 70.789  
 BANK 3 70.735 70.259 70.503 70.322 69.654 68.185 68.594 20.504 20.412 20.472  
 BANK 4 27.428 28.428 28.022 27.072 26.634 29.523 29.519 71.561 71.483 84.055  
 BANK 5 20.549 20.569 20.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  
 BANK 6 29.431 29.435 29.425 1.750 40.290 41.180 0.000 0.000 0.000 0.000

69 READING AT 8401211400

BANK 1 70.106 72.038 80.000 0.000 73.292 70.264 92.000 71.324 70.965 0.000  
 BANK 2 85.130 66.896 71.317 70.325 70.850 70.381 72.237 70.472 71.584 70.839  
 BANK 3 71.791 70.218 70.519 70.312 69.654 69.125 68.571 28.934 28.377 27.737  
 BANK 4 27.797 28.130 29.409 27.882 27.192 30.102 29.713 20.564 20.502 20.542  
 BANK 5 20.579 20.599 20.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  
 BANK 6 29.431 29.437 29.429 1.828 40.390 41.230 0.000 0.000 0.000 0.000

70 READING AT 8401211410

BANK 1 70.785 72.107 80.000 0.000 73.312 70.274 92.000 71.334 70.965 0.000  
 BANK 2 85.120 66.896 71.217 70.375 70.820 70.412 71.250 70.471 71.674 71.898  
 BANK 3 71.801 70.308 70.463 70.392 69.844 69.365 69.471 28.563 28.159 27.418  
 BANK 4 70.415 70.110 28.838 26.806 28.000 28.000 22.489 71.981 71.302 84.053  
 BANK 5 20.639 20.659 20.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  
 BANK 6 29.427 29.438 29.426 1.860 40.350 41.260 0.000 0.000 0.000 0.000

71 READING AT 8401211420

BANK 1 70.096 72.028 80.000 0.000 73.292 70.284 92.000 71.334 70.965 0.000  
 BANK 2 85.120 66.896 71.327 70.315 70.840 70.392 72.267 70.482 71.501 70.586  
 BANK 3 71.771 70.219 70.543 70.312 69.654 68.185 68.594 28.424 28.939 27.729  
 BANK 4 27.777 28.279 27.942 27.312 28.668 28.328 29.411 20.624 20.532 20.592  
 BANK 5 20.679 20.699 20.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000  
 BANK 6 29.429 29.438 29.427 1.910 40.310 41.190 0.000 0.000 0.000 0.000

72 READING AT 8401211430

BANK 1 70.785 72.107 80.000 0.000 73.302 70.264 92.000 71.344 70.965 0.000  
 BANK 2 85.120 66.896 71.327 70.315 70.840 70.381 72.207 70.482 71.511 70.526  
 BANK 3 71.791 70.219 70.543 70.312 69.654 68.185 68.594 28.424 28.939 27.729  
 BANK 4 70.405 70.259 70.483 70.349 69.694 69.165 69.551 29.792 29.883 29.968

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BANK 5 28.236 36.289 27.483 27.572 29.576 28.137 29.264 26.754 26.551 20.623  
 BANK 6 20.689 20.698 0.000 0.000 0.000 0.000 72.509 71.961 71.092 54.025  
 BANK 7 29.431 29.439 29.429 1.960 40.280 41.220 0.000 0.000 0.000 0.000

73 READING AT 8401211440  
 BANK 1 70.086 72.038 0.000 0.000 73.282 70.244 0.000 71.334 70.265 0.000  
 BANK 2 65.090 65.317 94.327 74.051 73.414 73.851 72.687 70.482 71.501 71.596  
 BANK 3 71.791 71.791 71.177 70.335 70.770 70.422 71.240 70.481 71.874 70.798  
 BANK 4 70.445 70.339 70.349 70.379 69.644 69.145 69.481 69.143 69.265 69.390  
 BANK 5 28.435 30.349 27.303 28.732 29.745 29.215 29.215 29.633 29.581 29.632  
 BANK 6 20.718 20.718 0.000 0.000 0.000 0.000 72.509 71.961 71.312 54.075  
 BANK 7 29.427 29.436 29.425 1.890 40.180 41.130 0.000 0.000 0.000 0.000

74 READING AT 8401211450  
 BANK 1 70.795 72.097 0.000 0.000 73.292 70.284 0.000 71.354 70.265 0.000  
 BANK 2 65.100 65.277 94.327 74.051 73.790 73.861 72.687 70.482 71.501 71.596  
 BANK 3 71.425 71.425 70.403 70.352 70.770 70.422 71.240 70.481 71.874 70.648  
 BANK 4 70.508 29.809 27.403 27.912 28.608 30.501 28.823 28.344 29.061 29.061  
 BANK 5 20.758 20.758 0.000 0.000 0.000 0.000 72.509 71.961 71.552 54.075  
 BANK 6 29.426 29.438 29.424 2.020 40.200 41.140 0.000 0.000 0.000 0.000  
 BANK 7 29.428 29.440 29.425 2.060 40.200 41.200 0.000 0.000 0.000 0.000

75 READING AT 8401211500  
 BANK 1 68.066 65.929 84.339 74.041 73.364 73.861 72.829 71.334 70.265 0.000  
 BANK 2 65.090 65.307 94.347 74.021 73.394 73.851 72.817 70.432 71.501 71.586  
 BANK 3 71.811 68.936 71.257 70.305 70.800 70.432 71.250 70.431 71.744 70.668  
 BANK 4 70.425 70.239 70.433 70.339 69.644 69.145 69.471 69.143 69.265 69.390  
 BANK 5 29.302 29.302 26.574 27.152 27.330 31.059 28.301 30.081 30.281 29.290  
 BANK 6 20.758 20.758 0.000 0.000 0.000 0.000 72.509 71.961 71.242 54.075  
 BANK 7 29.428 29.440 29.422 2.110 40.200 41.120 0.000 0.000 0.000 0.000

76 READING AT 8401211510  
 BANK 1 68.783 65.107 84.347 74.021 73.382 73.851 72.817 70.432 71.501 71.586  
 BANK 2 65.090 65.307 94.347 74.021 73.394 73.851 72.817 70.432 71.501 71.586  
 BANK 3 71.811 68.936 71.257 70.305 70.800 70.432 71.250 70.431 71.744 70.668  
 BANK 4 70.425 70.239 70.433 70.339 69.644 69.145 69.471 69.143 69.265 69.390  
 BANK 5 29.302 29.302 26.574 27.152 27.330 31.059 28.301 30.081 30.281 29.290  
 BANK 6 20.778 20.778 0.000 0.000 0.000 0.000 72.509 71.961 71.242 54.075  
 BANK 7 29.426 29.436 29.422 2.110 40.200 41.120 0.000 0.000 0.000 0.000

77 READING AT 8401211520  
 BANK 1 70.046 72.038 0.000 0.000 73.332 70.274 0.000 71.324 70.265 0.000  
 BANK 2 65.100 65.287 94.337 74.011 73.384 73.851 72.937 70.482 71.501 71.586  
 BANK 3 71.811 68.936 71.157 70.319 70.790 70.432 71.260 70.481 71.874 70.728  
 BANK 4 70.405 70.329 70.413 70.349 69.653 69.145 69.461 69.143 69.265 69.390  
 BANK 5 28.724 29.622 25.996 27.812 27.322 31.289 28.337 30.763 30.641 29.742  
 BANK 6 20.788 20.798 0.000 0.000 0.000 0.000 72.509 71.961 71.142 54.075  
 BANK 7 29.426 29.423 29.422 2.020 40.120 41.110 0.000 0.000 0.000 0.000

78 READING AT 8401211530  
 BANK 1 70.735 72.087 0.000 0.000 73.282 70.304 0.000 71.334 70.265 0.000  
 BANK 2 65.100 65.297 94.347 74.011 73.374 73.861 72.937 70.482 71.501 71.586  
 BANK 3 71.811 68.936 71.217 70.295 70.800 70.402 71.250 70.481 71.874 70.728  
 BANK 4 70.375 70.259 70.413 70.352 69.614 69.105 69.451 69.021 33.603 28.952  
 BANK 5 28.465 29.622 26.125 28.152 28.623 30.431 28.238 30.773 30.681 29.752  
 BANK 6 20.808 20.818 0.000 0.000 0.000 0.000 72.509 71.961 70.152 54.075  
 BANK 7 29.423 29.432 29.420 2.130 40.260 41.060 0.000 0.000 0.000 0.000

79 READING AT 8401211540  
 BANK 1 70.026 72.028 0.000 0.000 73.272 70.284 0.000 71.344 70.265 0.000  
 BANK 2 65.080 65.268 94.357 74.031 73.364 73.851 72.907 70.472 71.501 71.606  
 BANK 3 71.801 68.936 71.227 70.325 70.790 70.412 71.250 70.471 71.754 70.668  
 BANK 4 70.405 70.349 70.413 70.349 69.513 69.185 69.421 69.143 69.265 69.390  
 BANK 5 29.435 29.435 28.505 29.813 29.023 28.069 28.069 28.069 30.291 29.972  
 BANK 6 20.828 20.838 0.000 0.000 0.000 0.000 72.499 71.951 71.202 54.075



BANK 7	29.421	29.433	29.416	2.166	40.150	41.050	0.000	0.000	0.000	0.000
80 READING AT 8401211550										
BANK 1	70.715	72.027	0.000	0.000	73.282	70.284	0.000	71.324	70.955	0.000
BANK 2	85.060	85.287	84.307	74.031	73.364	73.841	72.917	70.482	71.491	71.594
BANK 3	71.781	66.936	71.187	70.305	70.750	70.412	71.250	70.481	71.814	70.668
BANK 4	70.285	70.169	70.423	70.319	69.624	69.155	69.361	28.635	27.979	27.339
BANK 5	27.262	28.478	26.944	29.682	26.853	30.860	27.969	20.813	20.721	20.732
BANK 6	20.826	20.858	0.000	0.000	0.000	0.000	72.479	71.931	71.102	83.955
BANK 7	29.417	29.430	29.414	2.190	40.350	41.010	0.000	0.000	0.000	0.000
81 READING AT 8401211600										
BANK 1	70.036	72.028	0.000	0.000	73.272	70.284	0.000	71.344	70.955	0.000
BANK 2	85.050	85.248	84.327	73.991	73.364	73.871	72.957	70.472	71.491	71.596
BANK 3	71.771	66.946	71.147	70.295	70.800	70.412	71.240	70.481	71.884	70.758
BANK 4	70.375	70.143	70.323	70.309	69.513	69.135	69.411	28.166	27.320	26.731
BANK 5	26.940	29.259	26.714	28.012	26.574	28.945	27.829	20.833	20.741	20.812
BANK 6	20.858	20.878	0.000	0.000	0.000	0.000	72.489	71.931	71.232	83.945
BANK 7	29.419	29.430	29.418	2.250	40.090	41.080	0.000	0.000	0.000	0.000
82 READING AT 8401211610										
BANK 1	70.725	72.137	0.000	0.000	73.272	70.264	0.000	71.314	70.975	0.000
BANK 2	85.060	85.258	84.327	74.021	73.354	73.841	73.007	70.472	71.481	71.606
BANK 3	71.771	66.946	71.167	70.245	70.760	70.412	71.240	70.481	71.804	70.738
BANK 4	70.285	70.229	70.413	70.309	69.533	69.175	69.411	27.797	27.789	26.731
BANK 5	26.691	38.954	26.944	27.592	26.724	29.842	27.749	20.853	20.761	20.812
BANK 6	20.868	20.898	0.000	0.000	0.000	0.000	72.479	71.931	71.292	83.945
BANK 7	29.425	29.425	29.416	2.220	40.220	41.070	0.000	0.000	0.000	0.000
83 READING AT 8401211620										
BANK 1	70.046	72.018	0.000	0.000	73.262	70.254	0.000	71.314	70.965	0.000
BANK 2	85.020	85.258	84.317	74.021	73.334	73.831	72.837	70.472	71.481	71.596
BANK 3	71.781	66.936	71.187	70.285	70.790	70.412	71.270	70.421	71.734	70.848
BANK 4	70.275	70.139	70.503	70.322	69.503	69.135	69.411	28.609	28.236	26.621
BANK 5	26.753	38.854	26.594	27.472	26.464	31.179	27.700	20.863	20.771	20.812
BANK 6	20.898	20.918	0.000	0.000	0.000	0.000	72.479	71.931	71.683	83.925
BANK 7	29.424	29.422	29.417	2.310	40.290	41.080	0.000	0.000	0.000	0.000
84 READING AT 8401211630										
BANK 1	70.703	72.027	0.000	0.000	73.252	70.274	0.000	71.304	70.965	0.000
BANK 2	85.050	85.248	84.297	74.011	73.364	73.791	72.817	70.462	71.471	71.598
BANK 3	71.761	66.946	71.197	70.325	70.830	70.402	71.230	70.441	71.724	70.698
BANK 4	70.305	70.219	70.363	70.309	69.624	69.145	69.451	29.094	29.235	28.493
BANK 5	26.581	31.070	26.075	27.102	26.624	29.344	27.650	20.883	20.781	20.832
BANK 6	20.898	20.928	0.000	0.000	0.000	0.000	72.479	71.921	71.723	83.955
BANK 7	29.421	29.430	29.419	2.320	40.130	41.070	0.000	0.000	0.000	0.000
85 READING AT 8401211640										
BANK 1	70.026	72.028	0.000	0.000	73.262	70.244	0.000	71.314	70.955	0.000
BANK 2	85.040	85.238	84.317	74.011	73.354	73.801	72.787	70.452	71.471	71.586
BANK 3	71.741	66.936	71.207	70.285	70.720	70.412	71.240	70.501	71.734	70.628
BANK 4	70.325	70.129	70.463	70.309	69.543	69.135	69.441	29.562	29.873	29.260
BANK 5	26.471	30.119	25.636	26.842	26.803	27.758	27.281	20.893	20.791	20.852
BANK 6	20.908	20.938	0.000	0.000	0.000	0.000	72.469	71.931	71.723	83.975
BANK 7	29.418	29.427	29.416	2.320	40.150	41.030	0.000	0.000	0.000	0.000
86 READING AT 8401211650										
BANK 1	70.685	72.037	0.000	0.000	73.262	70.254	0.000	71.324	70.955	0.000
BANK 2	85.040	85.238	84.317	74.001	73.354	73.821	72.867	70.462	71.471	71.584
BANK 3	71.761	66.976	71.217	70.275	70.760	70.392	71.260	70.411	71.774	70.658
BANK 4	70.245	70.149	70.353	70.329	69.463	69.165	69.431	29.612	30.711	30.276
BANK 5	26.332	29.889	25.387	26.682	27.033	27.578	26.852	20.903	20.801	20.882
BANK 6	20.968	20.948	0.000	0.000	0.000	0.000	72.469	71.911	71.753	83.955
BANK 7	29.422	29.428	29.417	2.360	40.140	40.990	0.000	0.000	0.000	0.000

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87 READING AT 8401211700

BANK 1	70.026	72.018	0.000	0.000	73.232	70.284	0.000	71.324	70.945	0.000
BANK 2	85.030	85.248	84.307	74.031	73.344	73.851	72.867	70.452	71.461	71.586
BANK 3	71.771	68.956	71.267	70.395	70.780	70.402	71.220	70.391	71.694	70.658
BANK 4	70.285	70.139	70.453	70.279	69.443	69.135	69.451	70.011	71.189	70.924
BANK 5	26.401	29.749	25.247	26.572	27.412	27.648	26.723	20.913	20.801	20.892
BANK 6	21.008	20.948	0.000	0.000	0.000	0.000	72.489	71.911	71.743	83.905
BANK 7	22.412	29.426	29.415	2.340	40.240	40.970	0.000	0.000	0.000	0.000

88 READING AT 8401211710

BANK 1	70.705	72.078	0.000	0.000	73.232	70.284	0.000	71.324	70.955	0.000
BANK 2	85.020	85.238	84.317	74.021	73.334	73.811	72.807	70.452	71.461	71.586
BANK 3	71.771	68.956	71.178	70.265	70.780	70.362	71.200	70.391	71.734	70.638
BANK 4	70.335	70.139	70.313	70.269	69.543	69.125	69.351	27.807	23.278	28.493
BANK 5	26.262	29.519	25.447	26.122	27.102	28.605	27.271	20.913	20.821	20.902
BANK 6	20.998	20.958	0.000	0.000	0.000	0.000	72.469	71.911	71.773	83.905
BANK 7	29.414	29.428	29.411	2.380	40.250	40.990	0.000	0.000	0.000	0.000

89 READING AT 8401211720

BANK 1	70.016	72.008	0.000	0.000	73.232	70.264	0.000	71.294	70.935	0.000
BANK 2	85.000	85.218	84.257	74.041	73.334	73.801	72.857	70.442	71.451	71.576
BANK 3	71.741	66.936	71.157	70.255	70.730	70.372	71.200	70.351	71.684	70.628
BANK 4	70.305	70.219	70.363	70.269	69.443	69.115	69.341	28.156	24.762	27.099
BANK 5	25.913	28.999	25.267	25.852	26.374	27.418	27.201	20.933	20.831	20.912
BANK 6	20.958	20.958	0.000	0.000	0.000	0.000	72.469	71.921	71.703	83.905
BANK 7	29.410	29.423	29.410	2.420	40.250	40.940	0.000	0.000	0.000	0.000

90 READING AT 8401211730

BANK 1	70.705	72.078	0.000	0.000	73.242	70.254	0.000	71.314	70.945	0.000
BANK 2	85.020	85.238	84.277	74.021	73.334	73.811	72.887	70.442	71.451	71.576
BANK 3	71.741	66.956	71.108	70.245	70.760	70.342	71.200	70.331	71.714	70.628
BANK 4	70.305	70.219	70.283	70.279	69.423	69.115	69.351	27.747	26.443	26.342
BANK 5	25.723	28.709	25.457	25.671	26.025	28.680	27.430	20.943	20.851	20.912
BANK 6	20.978	20.968	0.000	0.000	0.000	0.000	72.479	71.901	71.743	83.885
BANK 7	29.409	29.420	29.412	2.440	40.190	40.940	0.000	0.000	0.000	0.000

91 READING AT 8401211740

BANK 1	70.026	71.998	0.000	0.000	73.232	70.244	0.000	71.324	70.955	0.000
BANK 2	84.980	85.218	84.277	73.991	73.334	73.791	72.767	70.422	71.451	71.566
BANK 3	71.751	66.956	71.088	70.255	70.750	70.382	71.180	70.371	71.724	70.618
BANK 4	70.365	70.208	70.193	70.269	69.523	69.125	69.331	27.957	27.530	28.312
BANK 5	25.933	27.678	25.307	25.591	25.986	27.418	27.570	20.953	20.871	20.951
BANK 6	20.988	20.988	0.000	0.000	0.000	0.000	72.479	71.911	71.793	83.925
BANK 7	29.413	29.422	29.409	2.450	40.160	40.930	0.000	0.000	0.000	0.000

92 READING AT 8401211750

BANK 1	70.705	72.078	0.000	0.000	73.222	70.234	0.000	71.334	70.955	0.000
BANK 2	84.980	85.188	84.267	73.971	73.294	73.831	72.857	70.442	71.451	71.566
BANK 3	71.731	66.906	71.118	70.268	70.740	70.382	71.218	70.381	71.754	70.648
BANK 4	70.315	70.149	70.303	70.269	69.463	69.135	69.341	28.236	27.340	26.930
BANK 5	25.484	28.048	25.107	25.511	25.906	27.628	27.767	20.963	20.881	20.961
BANK 6	21.038	21.008	0.000	0.000	0.000	0.000	72.479	71.901	71.773	83.915
BANK 7	29.414	29.424	29.409	2.480	40.180	40.930	0.000	0.000	0.000	0.000

93 READING AT 8401211800

BANK 1	70.026	71.998	0.000	0.000	73.202	70.225	0.000	71.324	70.945	0.000
BANK 2	84.980	85.188	84.267	74.001	73.294	73.791	72.797	70.442	71.441	71.566
BANK 3	71.731	66.906	71.197	70.265	70.720	70.372	71.180	70.391	71.594	70.548
BANK 4	70.185	70.039	70.363	70.249	69.353	69.105	69.361	28.535	27.598	26.651
BANK 5	25.006	28.088	25.257	25.631	25.726	28.436	27.590	20.983	20.891	20.961
BANK 6	20.988	21.008	0.000	0.000	0.000	0.000	72.449	71.891	71.763	83.875
BANK 7	29.410	29.422	29.406	2.460	40.130	40.910	0.000	0.000	0.000	0.000

94 READING AT 8401211810

BANK 1	70.685	72.058	0.000	0.000	73.212	70.225	0.000	71.284	70.935	0.000
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BANK 2	84.980	85.218	84.267	73.881	73.314	73.811	72.647	70.432	71.431	71.556
BANK 3	71.691	66.906	71.147	70.235	70.710	70.391	71.190	70.391	71.624	70.578
BANK 4	70.315	70.169	70.249	69.513	69.085	69.085	69.321	28.655	27.659	26.063
BANK 5	20.365	21.668	26.135	25.812	25.812	28.366	27.450	21.881	20.793	20.351
BANK 6	29.411	29.419	29.408	2.440	40.090	40.910	0.000	0.000	0.000	0.000

95 READING AT 8401211829

BANK 1	70.016	65.178	64.257	73.262	73.262	70.225	0.000	71.284	70.925	0.000
BANK 2	84.970	66.916	70.106	70.215	70.690	73.791	72.817	70.432	71.431	71.578
BANK 3	71.701	70.252	70.323	70.142	69.529	70.362	71.200	70.341	71.754	70.618
BANK 4	25.265	21.038	20.881	28.132	25.627	28.635	27.889	21.023	26.747	26.476
BANK 5	20.268	21.018	0.000	0.000	0.000	0.000	72.439	71.881	71.773	83.845
BANK 6	29.409	29.414	29.407	2.500	40.150	40.900	0.000	0.000	0.000	0.000

96 READING AT 8401211830

BANK 1	69.976	71.978	0.000	0.000	73.182	70.244	0.000	71.284	70.925	0.000
BANK 2	84.970	65.168	64.257	73.262	73.262	73.791	72.757	70.432	71.431	71.556
BANK 3	71.691	66.906	71.147	70.235	70.710	70.391	71.190	70.391	71.624	70.578
BANK 4	70.315	70.169	70.249	69.513	69.085	69.085	69.321	28.655	27.659	26.063
BANK 5	20.365	21.668	26.135	25.812	25.812	28.366	27.450	21.881	20.793	20.351
BANK 6	29.411	29.419	29.408	2.440	40.090	40.910	0.000	0.000	0.000	0.000

97 READING AT 8401211840

BANK 1	70.655	65.138	64.257	0.000	73.192	70.234	0.000	71.294	70.925	0.000
BANK 2	84.970	66.916	70.106	70.215	70.690	73.811	72.747	70.432	71.431	71.578
BANK 3	71.701	70.252	70.323	70.142	69.529	70.362	71.200	70.341	71.754	70.618
BANK 4	25.265	21.038	20.881	28.132	25.627	28.635	27.889	21.023	26.747	26.476
BANK 5	20.268	21.018	0.000	0.000	0.000	0.000	72.439	71.881	71.773	83.845
BANK 6	29.409	29.414	29.407	2.500	40.150	40.900	0.000	0.000	0.000	0.000

98 READING AT 8401211850

BANK 1	69.976	71.978	0.000	0.000	73.182	70.244	0.000	71.294	70.925	0.000
BANK 2	84.970	65.168	64.257	73.262	73.262	73.791	72.757	70.432	71.431	71.556
BANK 3	71.691	66.906	71.147	70.235	70.710	70.391	71.190	70.391	71.624	70.578
BANK 4	70.315	70.169	70.249	69.513	69.085	69.085	69.321	28.655	27.659	26.063
BANK 5	20.365	21.668	26.135	25.812	25.812	28.366	27.450	21.881	20.793	20.351
BANK 6	29.411	29.419	29.408	2.440	40.090	40.910	0.000	0.000	0.000	0.000

99 READING AT 8401211900

BANK 1	69.976	71.978	0.000	0.000	73.182	70.244	0.000	71.294	70.925	0.000
BANK 2	84.970	65.168	64.257	73.262	73.262	73.791	72.757	70.432	71.431	71.556
BANK 3	71.691	66.906	71.147	70.235	70.710	70.391	71.190	70.391	71.624	70.578
BANK 4	70.315	70.169	70.249	69.513	69.085	69.085	69.321	28.655	27.659	26.063
BANK 5	20.365	21.668	26.135	25.812	25.812	28.366	27.450	21.881	20.793	20.351
BANK 6	29.411	29.419	29.408	2.440	40.090	40.910	0.000	0.000	0.000	0.000

100 READING AT 8401211910

BANK 1	69.976	71.978	0.000	0.000	73.182	70.244	0.000	71.294	70.925	0.000
BANK 2	84.970	65.168	64.257	73.262	73.262	73.791	72.757	70.432	71.431	71.556
BANK 3	71.691	66.906	71.147	70.235	70.710	70.391	71.190	70.391	71.624	70.578
BANK 4	70.315	70.169	70.249	69.513	69.085	69.085	69.321	28.655	27.659	26.063
BANK 5	20.365	21.668	26.135	25.812	25.812	28.366	27.450	21.881	20.793	20.351
BANK 6	29.411	29.419	29.408	2.440	40.090	40.910	0.000	0.000	0.000	0.000

101 READING AT 8401211915

BANK 1	70.655	65.128	64.227	0.000	73.182	70.234	0.000	71.274	70.915	0.000
BANK 2	84.930	66.936	71.068	73.991	73.284	73.751	72.859	70.402	71.412	71.528
BANK 3	71.671	70.166	70.670	70.215	70.670	70.332	71.150	70.321	71.654	70.528

BANK 4	70.275	70.069	70.153	70.239	69.373	69.015	69.271	28.635	25.715	24.769
BANK 5	27.189	28.408	24.718	24.671	25.706	28.835	30.580	21.092	21.010	21.021
BANK 6	21.038	21.087	0.000	0.000	0.000	0.000	72.429	71.851	71.743	83.835
BANK 7	29.405	29.416	29.404	2.520	40.000	40.770	0.000	0.000	0.000	0.000
102 READING AT 8401211930										
BANK 1	69.996	71.968	0.000	0.000	73.182	70.225	0.000	71.294	70.905	0.000
BANK 2	84.230	85.148	84.227	73.981	73.264	73.721	72.747	70.402	71.412	71.536
BANK 3	71.701	66.846	71.078	70.176	70.690	70.322	71.140	70.301	71.644	70.628
BANK 4	70.305	70.219	70.253	70.199	69.453	69.005	69.241	29.193	26.014	25.038
BANK 5	26.162	28.919	25.427	24.601	25.637	29.174	29.284	21.102	21.020	21.041
BANK 6	21.058	21.107	0.000	0.000	0.000	0.000	72.412	71.861	71.693	83.775
BANK 7	29.407	29.415	29.403	2.740	40.760	40.720	0.000	0.000	0.000	0.000
103 READING AT 8401211940										
BANK 1	69.996	71.968	0.000	0.000	73.172	70.205	0.000	71.274	70.915	0.000
BANK 2	84.930	85.158	84.247	73.981	73.254	73.721	72.767	70.402	71.412	71.536
BANK 3	71.681	66.826	71.108	70.166	70.700	70.302	71.160	70.311	71.634	70.588
BANK 4	70.155	70.139	70.253	70.189	69.473	69.025	69.291	27.328	26.094	25.137
BANK 5	25.793	29.752	25.206	24.581	25.647	22.523	29.736	21.152	21.030	21.041
BANK 6	21.068	21.127	0.000	0.000	0.000	0.000	72.419	71.861	71.703	83.815
BANK 7	29.407	29.415	29.404	2.660	40.690	40.630	0.000	0.000	0.000	0.000
104 READING AT 8401211950										
BANK 1	70.645	72.038	0.000	0.000	73.172	70.215	0.000	71.274	70.895	0.000
BANK 2	84.900	85.118	84.247	73.981	73.264	73.731	72.777	70.393	71.402	71.536
BANK 3	71.691	66.826	71.028	70.146	70.670	70.302	71.180	70.221	71.644	70.498
BANK 4	70.175	70.122	70.233	70.189	69.383	69.005	69.291	26.790	26.204	25.078
BANK 5	25.833	30.649	26.285	24.551	25.637	29.852	28.597	21.142	21.060	21.071
BANK 6	21.078	21.137	0.000	0.000	0.000	0.000	72.402	71.851	71.683	83.825
BANK 7	29.407	29.416	29.403	2.670	40.660	40.730	0.000	0.000	0.000	0.000
105 READING AT 8401212000										
BANK 1	69.996	71.968	0.000	0.000	73.162	70.225	0.000	71.254	70.895	0.000
BANK 2	84.880	85.118	84.207	73.981	73.224	73.771	72.677	70.393	71.402	71.526
BANK 3	71.681	66.786	70.378	70.146	70.680	70.292	71.190	70.301	71.644	70.488
BANK 4	70.175	70.019	70.243	70.179	69.463	68.985	69.231	26.420	26.174	25.038
BANK 5	25.723	30.162	26.425	24.601	25.647	30.012	28.567	21.162	21.060	21.091
BANK 6	21.098	21.147	0.000	0.000	0.000	0.000	72.419	71.841	71.663	83.805
BANK 7	29.407	29.415	29.404	2.630	40.620	40.740	0.000	0.000	0.000	0.000
106 READING AT 8401212010										
BANK 1	70.655	72.028	0.000	0.000	73.152	70.234	0.000	71.254	70.895	0.000
BANK 2	84.890	85.128	84.187	73.981	73.274	73.751	72.667	70.393	71.402	71.526
BANK 3	71.681	66.796	71.038	70.118	70.700	70.282	71.180	70.281	71.714	70.488
BANK 4	70.135	69.969	70.293	70.159	69.413	68.975	69.241	26.221	25.605	24.819
BANK 5	25.624	29.889	26.035	24.401	25.255	29.653	28.138	21.172	21.080	21.101
BANK 6	21.127	21.157	0.000	0.000	0.000	0.000	72.328	71.851	71.713	83.775
BANK 7	29.404	29.414	29.398	2.640	40.590	40.740	0.000	0.000	0.000	0.000
107 READING AT 8401212020										
BANK 1	69.996	71.968	0.000	0.000	73.162	70.215	0.000	71.274	70.905	0.000
BANK 2	84.890	85.138	84.197	73.981	73.234	73.741	72.687	70.402	71.392	71.514
BANK 3	71.691	66.796	71.028	70.176	70.640	70.292	71.180	70.271	71.624	70.518
BANK 4	70.225	70.099	70.203	70.169	69.433	68.975	69.271	25.982	25.416	25.108
BANK 5	25.713	28.939	25.037	24.981	27.102	29.453	27.752	21.182	21.100	21.111
BANK 6	21.157	21.187	0.000	0.000	0.000	0.000	72.409	71.841	71.683	83.798
BANK 7	29.404	29.416	29.402	2.730	40.620	40.650	0.000	0.000	0.000	0.000
108 READING AT 8401212030										
BANK 1	70.655	72.018	0.000	0.000	73.152	70.205	0.000	71.264	70.895	0.000
BANK 2	84.900	85.138	84.177	73.942	73.254	73.741	72.677	70.393	71.392	71.516
BANK 3	71.671	66.766	71.058	70.146	70.660	70.292	71.150	70.211	71.495	70.488
BANK 4	70.215	70.059	70.233	70.149	69.403	68.985	69.271	25.723	25.436	26.163
BANK 5	25.743	28.498	24.578	25.481	27.581	29.254	27.580	21.202	21.120	21.141

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116 READING AT 8401212150

BANK 1	69.946	71.928	0.000	0.000	73.112	70.195	0.000	71.214	70.845	0.000
BANK 2	84.840	85.048	84.137	73.932	73.184	73.707	72.677	70.343	71.242	71.466
BANK 3	71.891	66.644	70.858	70.058	70.680	70.242	71.100	70.191	71.624	70.418
BANK 4	70.195	70.219	70.163	70.069	69.283	68.905	69.171	26.082	25.625	25.207
BANK 5	26.611	27.548	26.445	24.981	26.335	30.730	27.719	21.292	21.220	21.241
BANK 6	21.307	21.307	0.000	0.000	0.000	0.000	72.378	71.801	71.593	83.685
BANK 7	29.399	29.408	29.397	2.870	40.470	40.570	0.000	0.000	0.000	0.000

117 READING AT 8401212200

BANK 1	70.635	71.988	0.000	0.000	73.112	70.205	0.000	71.194	70.875	0.000
BANK 2	84.820	85.048	84.137	73.932	73.184	73.731	72.687	70.343	71.342	71.476
BANK 3	71.621	66.646	70.918	70.066	70.610	70.252	71.100	70.151	71.604	70.308
BANK 4	70.135	70.069	70.263	70.099	69.303	68.875	69.161	26.002	25.603	25.187
BANK 5	26.371	28.268	27.602	24.721	26.295	31.322	27.712	21.312	21.240	21.261
BANK 6	21.257	21.317	0.000	0.000	0.000	0.000	72.398	71.791	71.593	83.725
BANK 7	29.400	29.410	29.396	2.840	40.450	40.600	0.000	0.000	0.000	0.000

118 READING AT 8401212210

BANK 1	69.955	71.918	0.000	0.000	73.112	70.195	0.000	71.194	70.875	0.000
BANK 2	84.820	85.048	84.117	73.932	73.144	73.711	72.687	70.353	71.332	71.456
BANK 3	71.611	66.596	70.908	70.066	70.590	70.232	71.051	70.111	71.564	70.408
BANK 4	70.075	70.229	70.163	70.099	69.333	68.895	69.061	25.822	25.536	25.068
BANK 5	26.212	30.449	27.782	24.801	26.295	32.107	27.729	21.332	21.280	21.251
BANK 6	21.267	21.327	0.000	0.000	0.000	0.000	72.378	71.791	71.623	83.685
BANK 7	29.398	29.408	29.396	2.870	40.420	40.640	0.000	0.000	0.000	0.000

119 READING AT 8401212220

BANK 1	70.625	71.978	0.000	0.000	73.102	70.165	0.000	71.194	70.865	0.000
BANK 2	84.830	85.028	84.087	73.912	73.164	73.691	72.667	70.343	71.322	71.436
BANK 3	71.631	66.596	70.938	70.046	70.610	70.242	71.020	70.141	71.555	70.318
BANK 4	70.119	70.888	70.113	70.059	69.323	68.885	69.151	25.773	25.508	25.038
BANK 5	26.172	31.300	25.826	24.861	26.574	33.104	27.600	21.342	21.260	21.261
BANK 6	21.287	21.337	0.000	0.000	0.000	0.000	72.388	71.791	71.593	83.705
BANK 7	29.399	29.407	29.398	2.880	40.450	40.610	0.000	0.000	0.000	0.000

120 READING AT 8401212230

BANK 1	69.787	71.848	0.000	0.000	73.082	70.175	0.000	71.174	70.845	0.000
BANK 2	84.800	85.028	84.097	73.912	73.124	73.701	72.657	70.333	71.322	71.416
BANK 3	71.601	66.596	70.878	70.054	70.610	70.242	71.041	70.171	71.654	70.418
BANK 4	70.135	70.009	70.063	70.079	69.353	68.875	69.051	25.743	26.044	25.237
BANK 5	25.634	29.779	25.097	24.831	26.654	31.259	27.470	21.362	21.280	21.261
BANK 6	21.307	21.357	0.000	0.000	0.000	0.000	72.388	71.791	71.583	83.675
BANK 7	29.398	29.405	29.394	2.990	40.300	40.540	0.000	0.000	0.000	0.000

121 READING AT 8401212240

BANK 1	69.926	71.908	0.000	0.000	73.082	70.135	0.000	71.184	70.875	0.000
BANK 2	84.770	85.028	84.117	73.912	73.094	73.671	72.707	70.323	71.322	71.416
BANK 3	71.591	66.566	70.878	70.066	70.660	70.232	71.061	70.141	71.495	70.378
BANK 4	70.175	69.890	70.037	70.079	69.222	68.825	69.111	25.723	26.074	25.516
BANK 5	25.464	28.882	24.718	24.751	26.654	30.211	27.480	21.372	21.290	21.281
BANK 6	21.317	21.367	0.000	0.000	0.000	0.000	72.388	71.791	71.603	83.715
BANK 7	29.398	29.408	29.394	2.990	40.310	40.580	0.000	0.000	0.000	0.000

122 READING AT 8401212250

BANK 1	70.605	71.968	0.000	0.000	73.102	70.145	0.000	71.184	70.865	0.000
BANK 2	84.810	85.038	84.117	73.962	73.164	73.691	72.687	70.323	71.312	71.396
BANK 3	71.591	66.546	70.878	70.036	70.590	70.252	71.051	70.121	71.525	70.338
BANK 4	70.155	69.940	70.113	70.079	69.273	68.835	69.161	25.902	25.975	25.635
BANK 5	25.414	28.509	24.588	24.731	26.833	29.812	27.600	21.382	21.300	21.291
BANK 6	21.337	21.377	0.000	0.000	0.000	0.000	72.388	71.801	71.543	83.705
BANK 7	29.395	29.408	29.392	2.970	40.270	40.620	0.000	0.000	0.000	0.000

123 READING AT 8401212300

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BANK 1	69.946	71.908	0.000	0.000	73.082	70.175	0.000	71.214	70.845	0.000
BANK 2	84.770	85.028	84.077	73.952	73.164	73.671	72.527	70.313	71.312	71.396
BANK 3	71.571	66.516	70.898	70.056	70.610	70.242	71.071	70.101	71.564	70.428
BANK 4	70.085	69.880	70.033	70.052	69.172	68.965	69.131	25.242	25.905	75.675
BANK 5	25.325	28.318	24.449	24.711	27.142	29.613	27.490	21.392	21.300	21.311
BANK 6	21.347	21.387	0.000	0.000	0.000	0.000	0.000	72.378	71.791	71.573
BANK 7	29.396	29.405	29.393	2.990	40.260	40.600	0.000	0.000	0.000	83.685

124 READING AT 8401212310

BANK 1	70.625	71.958	0.000	0.000	73.112	70.175	0.000	71.174	70.845	0.000
BANK 2	84.770	85.018	84.087	73.902	73.164	73.691	72.458	70.313	71.312	71.386
BANK 3	71.561	66.546	70.358	70.036	70.600	70.222	71.041	70.131	71.535	70.368
BANK 4	70.085	70.019	70.073	70.048	69.232	68.835	69.071	26.271	25.227	24.775
BANK 5	25.614	28.288	24.369	24.641	26.913	29.563	27.909	21.402	21.309	21.331
BANK 6	21.367	21.407	0.000	0.000	0.000	0.000	0.000	72.368	71.771	71.613
BANK 7	29.391	29.404	29.393	3.010	40.300	40.610	0.000	0.000	0.000	83.606

125 READING AT 8401212320

BANK 1	70.625	71.958	0.000	0.000	73.092	70.145	0.000	71.194	70.855	0.000
BANK 2	84.770	85.008	84.067	73.942	73.174	73.731	72.637	70.293	71.312	71.396
BANK 3	71.581	66.523	70.898	69.994	70.650	70.202	71.041	70.131	71.485	70.568
BANK 4	69.956	69.880	70.153	70.049	69.222	68.845	69.091	26.341	25.007	25.376
BANK 5	25.704	28.258	24.319	24.501	26.634	29.613	28.178	21.412	21.329	21.351
BANK 6	21.387	21.417	0.000	0.000	0.000	0.000	0.000	72.368	71.781	71.613
BANK 7	29.396	29.404	29.392	3.008	40.410	40.590	0.000	0.000	0.000	83.615

126 READING AT 8401212330

BANK 1	69.936	71.868	0.000	0.000	73.082	70.155	0.000	71.164	70.845	0.000
BANK 2	84.740	85.018	84.097	73.932	73.174	73.691	72.557	70.283	71.302	71.386
BANK 3	71.611	66.536	70.858	70.006	70.650	70.202	71.041	70.081	71.475	70.378
BANK 4	69.956	69.969	70.103	70.029	69.293	68.855	69.091	26.351	24.957	24.147
BANK 5	25.594	28.218	24.259	24.441	26.424	29.723	28.327	21.422	21.329	21.361
BANK 6	21.397	21.437	0.000	0.000	0.000	0.000	0.000	72.378	71.771	71.603
BANK 7	29.394	29.401	29.391	3.080	40.220	40.490	0.000	0.000	0.000	83.695

127 READING AT 8401212340

BANK 1	70.615	71.948	0.000	0.000	73.082	70.165	0.000	71.174	70.835	0.000
BANK 2	84.760	85.018	84.077	73.882	73.114	73.651	72.567	70.293	71.302	71.396
BANK 3	71.581	66.526	70.768	69.976	70.620	70.202	71.051	70.121	71.664	70.568
BANK 4	70.085	70.029	70.003	70.027	69.313	68.815	69.081	26.431	24.838	24.238
BANK 5	25.584	28.128	24.219	24.371	26.675	29.792	28.367	21.432	21.339	21.391
BANK 6	21.407	21.447	0.000	0.000	0.000	0.000	0.000	72.368	71.781	71.563
BANK 7	29.394	29.401	29.391	3.030	40.200	40.530	0.000	0.000	0.000	83.606

128 READING AT 8401212350

BANK 1	69.946	71.878	0.000	0.000	73.072	70.155	0.000	71.184	70.835	0.000
BANK 2	84.770	85.008	84.057	73.902	73.134	73.671	72.537	70.293	71.292	71.386
BANK 3	71.551	66.484	70.908	69.948	70.580	70.212	71.031	70.081	71.515	70.368
BANK 4	70.085	69.440	69.893	70.020	69.212	68.845	69.111	26.931	25.067	24.789
BANK 5	25.464	28.148	24.262	24.401	26.175	29.792	28.367	21.452	21.359	21.421
BANK 6	21.417	21.457	0.000	0.000	0.000	0.000	0.000	72.358	71.771	71.663
BANK 7	29.394	29.402	29.390	3.050	40.200	40.450	0.000	0.000	0.000	83.615

129 READING AT 840131 0

BANK 1	70.625	71.948	0.000	0.000	73.072	70.165	0.000	71.184	70.835	0.000
BANK 2	84.760	84.998	84.067	73.882	73.124	73.671	72.557	70.293	71.302	71.386
BANK 3	71.581	66.456	70.838	69.974	70.610	70.202	71.021	70.111	71.485	70.368
BANK 4	70.085	69.910	70.053	70.037	69.263	68.885	69.061	27.288	25.237	24.879
BANK 5	25.444	28.138	24.638	24.281	26.045	29.852	28.138	21.462	21.369	21.421
BANK 6	21.427	21.467	0.000	0.000	0.000	0.000	0.000	72.368	71.771	71.643
BANK 7	29.396	29.403	29.391	3.020	40.180	40.480	0.000	0.000	0.000	83.655

130 READING AT 840131 10

BANK 1	69.936	71.868	0.000	0.000	73.072	70.155	0.000	71.154	70.825	0.000
BANK 2	84.760	84.988	84.037	73.902	73.084	73.681	72.487	70.283	71.292	71.386

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BANK 3	71.571	66.866	70.508	49.974	70.610	70.172	71.041	70.072	71.594	70.328
BANK 4	70.095	70.049	70.043	70.020	69.182	69.645	62.101	27.647	71.306	24.717
BANK 5	21.437	20.248	20.257	24.201	25.926	29.798	28.198	21.461	71.389	21.431
BANK 6	25.362	20.161	20.000	9.160	40.150	40.590	0.000	71.650	71.600	0.600

131 READING AT 840131 30

BANK 1	70.655	71.948	0.000	9.892	73.872	70.155	0.000	70.164	71.835	0.000
BANK 2	71.561	69.436	70.818	62.226	70.600	70.192	71.051	70.072	71.564	70.378
BANK 3	70.045	69.870	70.033	70.620	68.112	68.795	69.051	58.156	71.564	70.378
BANK 4	21.437	20.161	20.000	9.160	40.150	40.590	0.000	71.650	71.600	0.600
BANK 5	25.362	20.161	20.000	9.160	40.150	40.590	0.000	71.650	71.600	0.600

132 READING AT 840131 30

BANK 1	70.655	71.948	0.000	9.892	73.872	70.155	0.000	71.134	70.845	0.000
BANK 2	71.561	69.436	70.818	62.226	70.600	70.192	71.051	70.692	71.564	70.378
BANK 3	70.045	69.870	70.033	70.620	68.112	68.795	69.051	28.617	71.469	21.431
BANK 4	21.437	20.161	20.000	9.160	40.150	40.590	0.000	71.650	71.600	0.600
BANK 5	25.362	20.161	20.000	9.160	40.150	40.590	0.000	71.650	71.600	0.600

133 READING AT 840131 30

BANK 1	64.956	61.868	0.000	9.000	73.052	70.155	0.000	71.134	70.845	0.000
BANK 2	71.561	69.436	70.818	62.226	70.600	70.192	71.051	70.692	71.564	70.378
BANK 3	70.045	69.870	70.033	70.620	68.112	68.795	69.051	28.617	71.469	21.431
BANK 4	21.437	20.161	20.000	9.160	40.150	40.590	0.000	71.650	71.600	0.600
BANK 5	25.362	20.161	20.000	9.160	40.150	40.590	0.000	71.650	71.600	0.600

134 READING AT 840131 50

BANK 1	70.635	71.928	0.000	9.892	73.872	70.145	0.000	71.164	70.825	0.000
BANK 2	71.561	69.436	70.818	62.226	70.600	70.192	71.051	70.692	71.564	70.378
BANK 3	70.045	69.870	70.033	70.620	68.112	68.795	69.051	28.617	71.469	21.431
BANK 4	21.437	20.161	20.000	9.160	40.150	40.590	0.000	71.650	71.600	0.600
BANK 5	25.362	20.161	20.000	9.160	40.150	40.590	0.000	71.650	71.600	0.600

135 READING AT 840131 100

BANK 1	64.956	61.868	0.000	9.000	73.052	70.155	0.000	71.134	70.845	0.000
BANK 2	71.561	69.436	70.818	62.226	70.600	70.192	71.051	70.692	71.564	70.378
BANK 3	70.045	69.870	70.033	70.620	68.112	68.795	69.051	28.617	71.469	21.431
BANK 4	21.437	20.161	20.000	9.160	40.150	40.590	0.000	71.650	71.600	0.600
BANK 5	25.362	20.161	20.000	9.160	40.150	40.590	0.000	71.650	71.600	0.600

136 READING AT 840131 110

BANK 1	70.635	71.918	0.000	9.892	73.872	70.145	0.000	71.184	70.825	0.000
BANK 2	71.541	69.426	70.818	62.226	70.600	70.192	71.051	70.303	71.495	71.376
BANK 3	70.035	69.860	70.043	70.610	68.102	68.785	70.030	28.376	71.495	70.318
BANK 4	21.437	20.161	20.000	9.160	40.150	40.590	0.000	71.650	71.600	0.600
BANK 5	25.362	20.161	20.000	9.160	40.150	40.590	0.000	71.650	71.600	0.600

137 READING AT 840131 120

BANK 1	69.936	71.858	0.000	9.892	73.872	70.135	0.000	71.134	70.825	0.000
BANK 2	71.531	69.426	70.828	62.226	70.610	70.202	72.617	70.223	71.473	71.366
BANK 3	70.006	69.850	70.073	69.990	68.182	68.785	71.061	28.465	71.473	70.278
BANK 4	21.437	20.161	20.000	9.160	40.150	40.590	0.000	71.650	71.600	0.600
BANK 5	25.362	20.161	20.000	9.160	40.150	40.590	0.000	71.650	71.600	0.600

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BANK 5 27.957 26.869 25.586 25.141 26.783 29.682 31.647 21.591 21.498 21.550  
 BANK 6 21.534 21.566 0.000 0.000 0.000 0.000 72.358 71.721 71.623 83.576  
 BANK 7 29.395 29.403 29.392 3.270 40.040 40.000 0.000 0.000 0.000 0.000

138 READING AT 840131 130  
 BANK 1 70.615 71.918 0.000 0.000 73.042 70.135 0.000 71.124 70.815 0.000  
 BANK 2 84.710 84.988 0.000 73.882 73.124 73.641 72.507 70.273 71.272 71.378  
 BANK 3 71.571 69.930 70.838 70.050 70.232 70.192 66.071 59.062 71.405 70.318  
 BANK 4 27.418 27.632 26.664 25.782 26.333 30.301 30.660 21.601 21.509 21.590  
 BANK 5 21.554 21.404 0.000 0.000 40.100 40.530 72.348 71.731 71.613 83.876  
 BANK 6 29.397 29.402 3.320 0.000 0.000 0.000 0.000 0.000 0.000 0.000

139 READING AT 840131 140  
 BANK 1 70.615 71.908 0.000 0.000 73.052 70.135 0.000 71.134 70.805 0.000  
 BANK 2 84.710 84.978 73.872 73.084 73.641 73.602 72.537 70.047 71.536 71.366  
 BANK 3 71.571 69.928 70.836 69.242 68.795 68.720 69.041 27.747 26.862 26.213  
 BANK 4 27.418 27.629 26.662 25.852 27.083 30.000 30.142 21.531 21.523 21.570  
 BANK 5 21.554 21.404 0.000 0.000 40.130 40.570 72.300 71.741 71.593 83.568  
 BANK 6 29.397 29.402 3.350 0.000 0.000 0.000 0.000 0.000 0.000 0.000

140 READING AT 840131 150  
 BANK 1 70.615 71.908 0.000 0.000 73.092 70.145 0.000 70.434 70.815 0.000  
 BANK 2 84.710 84.988 73.882 73.084 73.641 73.641 72.547 70.032 71.475 71.378  
 BANK 3 71.571 69.936 70.838 69.102 68.775 68.775 69.051 27.598 27.501 26.582  
 BANK 4 27.418 27.632 26.662 26.000 27.000 31.100 32.962 21.941 21.533 21.538  
 BANK 5 21.554 21.404 0.000 0.000 40.150 40.590 72.300 71.741 71.633 83.538  
 BANK 6 29.397 29.402 3.350 0.000 0.000 0.000 0.000 0.000 0.000 0.000

141 READING AT 840131 200  
 BANK 1 70.615 71.908 0.000 0.000 73.082 70.135 0.000 71.144 70.805 0.000  
 BANK 2 84.710 84.978 73.872 73.084 73.641 73.641 72.547 70.032 71.475 71.378  
 BANK 3 71.571 69.928 70.836 69.102 68.775 68.775 69.051 27.598 27.501 26.582  
 BANK 4 27.418 27.632 26.662 26.000 27.000 31.100 32.962 21.941 21.533 21.538  
 BANK 5 21.554 21.404 0.000 0.000 40.090 40.550 72.300 71.741 71.633 83.526  
 BANK 6 29.397 29.402 3.370 0.000 0.000 0.000 0.000 0.000 0.000 0.000

142 READING AT 840131 210  
 BANK 1 70.615 71.908 0.000 0.000 73.092 70.155 0.000 70.434 70.805 0.000  
 BANK 2 84.710 84.988 73.882 73.084 73.641 73.641 72.547 70.032 71.475 71.378  
 BANK 3 71.571 69.936 70.838 69.112 68.785 68.785 69.071 27.678 27.602 26.583  
 BANK 4 27.418 27.632 26.662 26.112 27.800 31.172 32.703 21.731 21.533 21.538  
 BANK 5 21.554 21.404 0.000 0.000 40.080 40.520 72.300 71.741 71.633 83.526  
 BANK 6 29.397 29.402 3.420 0.000 0.000 0.000 0.000 0.000 0.000 0.000

143 READING AT 840131 220  
 BANK 1 70.615 71.908 0.000 0.000 73.032 70.135 0.000 71.124 70.805 0.000  
 BANK 2 84.710 84.978 73.872 73.084 73.641 73.641 72.547 70.032 71.475 71.378  
 BANK 3 69.928 69.930 69.280 68.122 68.030 68.030 69.030 27.727 27.602 26.860  
 BANK 4 27.418 27.632 26.662 26.742 28.907 30.980 29.643 21.721 21.613 21.590  
 BANK 5 21.554 21.404 0.000 0.000 40.000 40.540 72.300 71.741 71.633 83.566  
 BANK 6 29.397 29.402 3.480 0.000 0.000 0.000 0.000 0.000 0.000 0.000

144 READING AT 840131 230  
 BANK 1 70.615 71.908 0.000 0.000 73.032 70.115 0.000 71.104 70.795 0.000  
 BANK 2 84.710 84.978 73.872 73.114 73.641 73.641 72.488 70.253 71.545 71.366  
 BANK 3 71.571 69.928 69.970 69.302 68.528 68.528 70.971 27.978 27.418 27.418  
 BANK 4 69.928 69.930 69.272 69.376 30.830 30.830 29.633 21.741 21.633 21.633  
 BANK 5 21.554 21.404 0.000 0.000 0.000 0.000 72.300 71.741 71.633 83.536  
 BANK 6 29.397 29.402 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000

BANK 7	29.397	29.403	29.398	3.490	40.110	40.580	0.000	0.000	0.000	0.000
145 READING AT 840131 240										
BANK 1	70.625	71.828	0.000	0.000	73.042	70.135	0.000	71.114	70.795	0.000
BANK 2	84.660	84.938	83.947	73.872	73.094	73.631	72.507	70.253	71.242	71.346
BANK 3	71.571	66.226	70.728	69.906	70.570	70.142	70.941	70.012	71.515	70.288
BANK 4	69.996	69.960	69.983	69.960	69.142	68.566	69.000	27.438	27.061	28.025
BANK 5	27.827	29.609	26.465	27.562	29.705	30.840	22.613	21.761	21.642	21.670
BANK 6	21.746	21.754	0.000	0.000	0.000	0.000	72.338	71.731	71.623	83.486
BANK 7	29.398	29.407	29.396	3.480	40.040	40.580	0.000	0.000	0.000	0.000
146 READING AT 840131 250										
BANK 1	70.815	71.888	0.000	0.000	73.032	70.125	0.000	71.094	70.795	0.000
BANK 2	84.660	84.928	83.977	73.832	73.044	73.621	72.517	70.243	71.242	71.346
BANK 3	71.561	66.176	70.768	69.896	70.570	70.172	70.941	70.002	71.485	70.268
BANK 4	70.055	70.012	69.933	69.960	69.232	68.536	68.960	27.438	27.752	29.031
BANK 5	28.066	29.679	26.724	27.692	29.578	31.917	29.414	21.781	21.652	21.700
BANK 6	21.756	21.776	0.000	0.000	0.000	0.000	72.328	71.731	71.623	83.536
BANK 7	29.399	29.409	29.395	3.570	40.020	40.510	0.000	0.000	0.000	0.000
147 READING AT 840131 300										
BANK 1	69.936	71.828	0.000	0.000	73.022	70.125	0.000	71.094	70.805	0.000
BANK 2	84.650	84.918	83.967	73.872	73.064	73.611	72.527	70.253	71.232	71.346
BANK 3	71.501	66.186	70.718	69.916	70.570	70.152	70.951	69.992	71.485	70.278
BANK 4	70.115	70.039	69.864	69.960	69.162	68.486	68.970	27.667	30.581	28.862
BANK 5	28.266	30.012	26.994	28.172	28.947	32.386	29.504	21.811	21.692	21.740
BANK 6	21.776	21.806	0.000	0.000	0.000	0.000	72.328	71.721	71.633	83.516
BANK 7	29.399	29.407	29.396	3.570	40.050	40.490	0.000	0.000	0.000	0.000
148 READING AT 840131 310										
BANK 1	70.595	71.888	0.000	0.000	73.032	70.125	0.000	71.054	70.775	0.000
BANK 2	84.660	84.888	83.977	73.872	73.084	73.571	72.587	70.253	71.232	71.346
BANK 3	71.521	66.186	70.738	69.896	70.540	70.132	70.941	69.992	71.545	70.278
BANK 4	69.986	69.830	69.973	69.960	69.102	68.486	69.061	27.907	33.553	28.252
BANK 5	29.522	30.249	27.253	28.852	28.937	32.655	29.693	21.831	21.718	21.740
BANK 6	21.806	21.836	0.000	0.000	0.000	0.000	72.328	71.721	71.593	83.426
BANK 7	29.400	29.408	29.397	3.600	40.050	40.810	0.000	0.000	0.000	0.000
149 READING AT 840131 320										
BANK 1	69.916	71.808	0.000	0.000	73.022	70.115	0.000	71.104	70.795	0.000
BANK 2	84.630	84.908	83.977	73.842	73.084	73.601	72.557	70.243	71.232	71.336
BANK 3	71.511	66.166	70.768	69.916	70.590	70.122	70.931	70.022	71.475	70.218
BANK 4	69.996	69.890	69.983	69.940	69.042	68.206	68.990	28.196	36.564	29.081
BANK 5	30.031	30.522	27.453	29.422	28.987	33.003	29.932	21.851	21.738	21.770
BANK 6	21.836	21.856	0.000	0.000	0.000	0.000	72.328	71.701	71.573	83.456
BANK 7	29.401	29.407	29.397	3.620	39.990	40.560	0.000	0.000	0.000	0.000
150 READING AT 840131 330										
BANK 1	70.595	71.878	0.000	0.000	73.012	70.105	0.000	71.074	70.789	0.000
BANK 2	84.650	84.908	83.947	73.832	73.054	73.571	72.467	70.243	71.232	71.346
BANK 3	71.481	66.156	70.718	69.896	70.560	70.152	70.961	69.982	71.475	70.258
BANK 4	69.976	69.840	69.864	69.920	69.162	68.675	68.900	28.435	31.558	28.722
BANK 5	30.001	30.840	27.682	29.182	29.127	32.426	30.132	21.681	21.758	21.800
BANK 6	21.866	21.886	0.000	0.000	0.000	0.000	72.318	71.701	71.543	83.466
BANK 7	29.400	29.410	29.398	3.690	39.990	40.520	0.000	0.000	0.000	0.000
151 READING AT 840131 340										
BANK 1	69.906	71.808	0.000	0.000	73.012	70.115	0.000	71.074	70.775	0.000
BANK 2	84.640	84.888	83.937	73.832	73.054	73.581	72.448	70.253	71.222	71.336
BANK 3	71.501	66.146	70.728	69.896	70.590	70.142	70.941	69.972	71.455	70.348
BANK 4	69.976	69.690	69.913	69.920	69.152	68.665	68.940	28.645	29.265	28.762
BANK 5	30.061	30.820	28.381	29.022	29.486	32.127	30.511	21.900	21.788	21.830
BANK 6	21.905	21.926	0.000	0.000	0.000	0.000	72.308	71.701	71.573	83.476
BANK 7	29.398	29.408	29.397	3.680	39.980	40.550	0.000	0.000	0.000	0.000

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152 READING AT 840131 350  
 BANK 1 70.525 64.978 0.000 73.012 70.105 0.000 71.074 70.785 0.000  
 BANK 2 84.620 64.978 78.822 73.012 70.105 0.000 71.074 70.785 0.000  
 BANK 3 71.571 64.978 68.946 70.550 70.112 70.418 70.233 71.272 71.336  
 BANK 4 79.576 64.978 68.946 70.550 70.112 70.418 70.233 71.272 71.336  
 BANK 5 79.576 64.978 68.946 70.550 70.112 70.418 70.233 71.272 71.336  
 BANK 6 29.441 64.978 28.582 29.536 33.015 30.790 21.711 71.583 83.446  
 BANK 7 21.935 64.978 0.000 0.000 0.000 72.318 0.000 0.000 0.000  
 BANK 8 22.401 64.978 3.740 40.020 40.580 0.000 0.000 0.000 0.000

153 READING AT 840131 400  
 BANK 1 69.916 84.868 0.000 73.012 70.085 0.000 71.084 70.795 0.000  
 BANK 2 84.620 84.868 73.832 73.012 70.085 0.000 71.084 70.795 0.000  
 BANK 3 71.571 84.868 68.946 70.550 70.112 70.453 70.233 71.415 71.479  
 BANK 4 69.926 84.868 68.946 70.550 70.112 70.453 70.233 71.415 71.479  
 BANK 5 29.441 84.868 28.582 29.536 33.015 30.790 21.711 71.583 83.446  
 BANK 6 21.935 84.868 0.000 0.000 0.000 72.318 0.000 0.000 0.000  
 BANK 7 22.401 84.868 3.740 40.020 40.580 0.000 0.000 0.000 0.000

154 READING AT 840131 410  
 BANK 1 70.525 84.868 0.000 73.012 70.115 0.000 71.084 70.785 0.000  
 BANK 2 84.620 84.868 73.832 73.012 70.115 0.000 71.084 70.785 0.000  
 BANK 3 71.571 84.868 68.946 70.550 70.122 70.418 70.233 71.415 71.479  
 BANK 4 69.926 84.868 68.946 70.550 70.122 70.418 70.233 71.415 71.479  
 BANK 5 29.441 84.868 28.582 29.536 33.015 30.790 21.711 71.583 83.446  
 BANK 6 21.935 84.868 0.000 0.000 0.000 72.318 0.000 0.000 0.000  
 BANK 7 22.401 84.868 3.740 40.020 40.580 0.000 0.000 0.000 0.000

155 READING AT 840131 420  
 BANK 1 69.916 84.868 0.000 72.982 70.105 0.000 71.084 70.775 0.000  
 BANK 2 84.620 84.868 73.832 73.044 70.105 0.000 71.084 70.775 0.000  
 BANK 3 71.571 84.868 68.946 70.570 70.132 70.426 70.233 71.415 71.479  
 BANK 4 69.926 84.868 68.946 70.570 70.132 70.426 70.233 71.415 71.479  
 BANK 5 29.441 84.868 28.582 29.536 33.015 30.790 21.711 71.583 83.446  
 BANK 6 21.935 84.868 0.000 0.000 0.000 72.318 0.000 0.000 0.000  
 BANK 7 22.401 84.868 3.740 40.020 40.580 0.000 0.000 0.000 0.000

156 READING AT 840131 430  
 BANK 1 70.525 84.868 0.000 73.002 70.115 0.000 71.054 70.785 0.000  
 BANK 2 84.620 84.868 73.832 73.054 70.115 0.000 71.054 70.785 0.000  
 BANK 3 71.571 84.868 68.946 70.530 70.102 70.418 70.233 71.415 71.479  
 BANK 4 69.926 84.868 68.946 70.530 70.102 70.418 70.233 71.415 71.479  
 BANK 5 29.441 84.868 28.582 29.536 33.015 30.790 21.711 71.583 83.446  
 BANK 6 21.935 84.868 0.000 0.000 0.000 72.318 0.000 0.000 0.000  
 BANK 7 22.401 84.868 3.740 40.020 40.580 0.000 0.000 0.000 0.000

157 READING AT 840131 440  
 BANK 1 69.916 84.868 0.000 72.992 70.105 0.000 71.084 70.775 0.000  
 BANK 2 84.620 84.868 73.832 73.034 70.105 0.000 71.084 70.775 0.000  
 BANK 3 71.571 84.868 68.946 70.530 70.132 70.418 70.233 71.415 71.479  
 BANK 4 69.926 84.868 68.946 70.530 70.132 70.418 70.233 71.415 71.479  
 BANK 5 29.441 84.868 28.582 29.536 33.015 30.790 21.711 71.583 83.446  
 BANK 6 21.935 84.868 0.000 0.000 0.000 72.318 0.000 0.000 0.000  
 BANK 7 22.401 84.868 3.740 40.020 40.580 0.000 0.000 0.000 0.000

158 READING AT 840131 450  
 BANK 1 70.525 84.868 0.000 73.002 70.095 0.000 71.054 70.785 0.000  
 BANK 2 84.620 84.868 73.832 73.002 70.095 0.000 71.054 70.785 0.000  
 BANK 3 71.571 84.868 68.946 70.530 70.082 70.418 70.233 71.415 71.479  
 BANK 4 69.926 84.868 68.946 70.530 70.082 70.418 70.233 71.415 71.479  
 BANK 5 29.441 84.868 28.582 29.536 33.015 30.790 21.711 71.583 83.446  
 BANK 6 21.935 84.868 0.000 0.000 0.000 72.318 0.000 0.000 0.000  
 BANK 7 22.401 84.868 3.740 40.020 40.580 0.000 0.000 0.000 0.000

159 READING AT 840131 500  
 BANK 1 69.916 84.868 0.000 72.982 70.085 0.000 71.044 70.765 0.000  
 BANK 2 84.620 84.868 73.832 73.002 70.085 0.000 71.044 70.765 0.000  
 BANK 3 71.571 84.868 68.946 70.530 70.072 70.418 70.233 71.415 71.479  
 BANK 4 69.926 84.868 68.946 70.530 70.072 70.418 70.233 71.415 71.479  
 BANK 5 29.441 84.868 28.582 29.536 33.015 30.790 21.711 71.583 83.446  
 BANK 6 21.935 84.868 0.000 0.000 0.000 72.318 0.000 0.000 0.000  
 BANK 7 22.401 84.868 3.740 40.020 40.580 0.000 0.000 0.000 0.000

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BANK 2	83.590	84.858	83.897	73.812	73.044	73.541	72.477	70.223	71.202	71.318
BANK 3	71.461	66.066	70.728	69.906	70.530	70.122	69.901	69.812	71.375	70.192
BANK 4	69.966	69.770	69.894	69.890	69.132	68.636	68.940	69.612	71.743	70.679
BANK 5	22.115	21.145	23.080	23.042	31.022	32.919	31.418	32.110	31.863	29.950
BANK 6	29.403	29.411	29.400	3.970	40.000	40.590	72.288	71.691	71.813	83.466
BANK 7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160 READING AT 840131.510										
BANK 1	70.585	71.838	0.000	0.000	72.992	70.075	0.000	71.054	70.775	0.000
BANK 2	94.580	94.818	93.907	73.832	72.924	73.581	72.517	70.213	71.172	71.306
BANK 3	71.451	66.056	70.648	69.856	70.570	70.102	69.891	69.692	71.574	70.209
BANK 4	30.031	31.913	28.933	28.870	30.102	28.638	28.830	28.884	22.006	21.980
BANK 5	29.145	29.410	29.399	3.990	40.000	40.640	72.298	71.671	71.593	83.426
BANK 6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BANK 7	62.886	71.718	0.000	73.812	72.982	73.165	72.000	70.024	70.765	0.000
BANK 1	64.580	64.818	63.868	69.856	70.570	70.102	69.910	69.713	71.182	71.306
BANK 2	71.451	66.056	70.648	69.856	70.570	70.102	69.891	69.692	71.574	70.209
BANK 3	30.031	31.913	28.933	28.870	30.102	28.638	28.830	28.884	22.006	21.980
BANK 4	29.145	29.410	29.399	3.990	40.000	40.640	72.298	71.671	71.593	83.426
BANK 5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BANK 6	62.886	71.718	0.000	73.812	72.982	73.165	72.000	70.024	70.765	0.000
BANK 7	64.580	64.818	63.868	69.856	70.570	70.102	69.910	69.713	71.182	71.306
161 READING AT 840131.520										
BANK 1	70.585	71.838	0.000	0.000	72.982	70.065	0.000	71.024	70.775	0.000
BANK 2	94.570	94.836	93.907	73.802	72.934	73.571	72.527	70.213	71.195	70.199
BANK 3	71.451	66.056	70.648	69.856	70.570	70.102	69.891	69.692	71.547	28.752
BANK 4	30.031	31.913	28.933	28.870	30.102	28.638	28.830	28.884	22.078	22.002
BANK 5	29.145	29.410	29.399	3.990	40.000	40.640	72.298	71.681	71.573	83.416
BANK 6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BANK 7	62.886	71.718	0.000	73.812	72.982	73.165	72.000	70.024	70.765	0.000
BANK 1	64.580	64.818	63.868	69.856	70.570	70.102	69.910	69.713	71.182	71.306
BANK 2	71.451	66.056	70.648	69.856	70.570	70.102	69.891	69.692	71.574	70.209
BANK 3	30.031	31.913	28.933	28.870	30.102	28.638	28.830	28.884	22.006	21.980
BANK 4	29.145	29.410	29.399	3.990	40.000	40.640	72.298	71.671	71.593	83.426
BANK 5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BANK 6	62.886	71.718	0.000	73.812	72.982	73.165	72.000	70.024	70.765	0.000
BANK 7	64.580	64.818	63.868	69.856	70.570	70.102	69.910	69.713	71.182	71.306
162 READING AT 840131.530										
BANK 1	70.585	71.838	0.000	0.000	72.982	70.045	0.000	71.034	70.765	0.000
BANK 2	94.570	94.836	93.907	73.802	72.934	73.571	72.527	70.203	71.182	71.296
BANK 3	71.451	66.056	70.648	69.856	70.570	70.102	69.891	69.692	71.405	70.159
BANK 4	30.031	31.913	28.933	28.870	30.102	28.638	28.830	28.884	22.128	28.344
BANK 5	29.145	29.410	29.399	3.990	40.000	40.640	72.298	71.651	71.563	83.406
BANK 6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BANK 7	62.886	71.718	0.000	73.812	72.982	73.165	72.000	70.024	70.765	0.000
BANK 1	64.580	64.818	63.868	69.856	70.570	70.102	69.910	69.713	71.182	71.306
BANK 2	71.451	66.056	70.648	69.856	70.570	70.102	69.891	69.692	71.574	70.209
BANK 3	30.031	31.913	28.933	28.870	30.102	28.638	28.830	28.884	22.006	21.980
BANK 4	29.145	29.410	29.399	3.990	40.000	40.640	72.298	71.671	71.593	83.426
BANK 5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BANK 6	62.886	71.718	0.000	73.812	72.982	73.165	72.000	70.024	70.765	0.000
BANK 7	64.580	64.818	63.868	69.856	70.570	70.102	69.910	69.713	71.182	71.306
163 READING AT 840131.540										
BANK 1	70.585	71.838	0.000	0.000	72.982	70.045	0.000	71.034	70.765	0.000
BANK 2	94.570	94.836	93.907	73.802	72.934	73.571	72.527	70.203	71.182	71.296
BANK 3	71.451	66.056	70.648	69.856	70.570	70.102	69.891	69.692	71.405	70.159
BANK 4	30.031	31.913	28.933	28.870	30.102	28.638	28.830	28.884	22.128	28.344
BANK 5	29.145	29.410	29.399	3.990	40.000	40.640	72.298	71.651	71.563	83.406
BANK 6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BANK 7	62.886	71.718	0.000	73.812	72.982	73.165	72.000	70.024	70.765	0.000
BANK 1	64.580	64.818	63.868	69.856	70.570	70.102	69.910	69.713	71.182	71.306
BANK 2	71.451	66.056	70.648	69.856	70.570	70.102	69.891	69.692	71.574	70.209
BANK 3	30.031	31.913	28.933	28.870	30.102	28.638	28.830	28.884	22.006	21.980
BANK 4	29.145	29.410	29.399	3.990	40.000	40.640	72.298	71.671	71.593	83.426
BANK 5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BANK 6	62.886	71.718	0.000	73.812	72.982	73.165	72.000	70.024	70.765	0.000
BANK 7	64.580	64.818	63.868	69.856	70.570	70.102	69.910	69.713	71.182	71.306
164 READING AT 840131.550										
BANK 1	70.585	71.838	0.000	0.000	72.982	70.085	0.000	71.034	70.765	0.000
BANK 2	94.560	94.798	93.887	73.822	73.024	73.571	72.568	70.203	71.182	71.286
BANK 3	71.451	65.996	70.718	69.816	70.510	70.092	70.901	69.912	71.385	70.159
BANK 4	29.844	31.080	27.453	27.582	29.227	28.916	28.350	28.854	22.923	28.055
BANK 5	22.215	23.255	0.000	0.000	39.990	40.530	72.408	71.681	71.563	83.346
BANK 6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BANK 7	62.886	71.718	0.000	73.812	72.982	73.165	72.000	70.024	70.765	0.000
BANK 1	69.206	71.768	0.000	0.000	72.962	70.065	0.000	71.014	70.755	0.000
BANK 2	94.580	94.818	93.868	73.822	73.034	73.571	72.578	70.203	71.172	71.296
BANK 3	71.451	65.996	70.628	69.816	70.510	70.092	70.901	69.922	71.395	70.198
BANK 4	29.844	31.080	27.453	27.582	29.227	28.916	28.350	28.854	22.923	27.467
BANK 5	22.215	23.255	0.000	0.000	39.990	40.530	72.408	71.681	71.563	83.346
BANK 6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BANK 7	62.886	71.718	0.000	73.812	72.982	73.165	72.000	70.024	70.765	0.000
BANK 1	69.206	71.768	0.000	0.000	72.962	70.065	0.000	71.014	70.755	0.000
BANK 2	94.580	94.818	93.868	73.822	73.034	73.571	72.578	70.203	71.172	71.296
BANK 3	71.451	65.996	70.628	69.816	70.510	70.092	70.901	69.922	71.395	70.198
BANK 4	29.844	31.080	27.453	27.582	29.227	28.916	28.350	28.854	22.923	27.467
BANK 5	22.215	23.255	0.000	0.000	39.990	40.530	72.408	71.681	71.563	83.346
BANK 6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BANK 7	62.886	71.718	0.000	73.812	72.982	73.165	72.000	70.024	70.765	0.000
165 READING AT 840131.610										
BANK 1	70.585	71.848	0.000	0.000	72.962	70.085	0.000	71.004	70.745	0.000
BANK 2	94.550	94.778	93.858	73.822	73.004	73.551	72.438	70.213	71.162	71.286
BANK 3	71.451	66.006	70.578	69.796	70.450	70.082	70.861	69.912	71.465	70.139

BANK 4	49.914	49.880	49.854	49.820	49.642	48.591	48.650	35.854	28.178	27.478
BANK 5	28.346	30.850	27.992	26.882	28.529	32.356	30.859	22.250	22.127	22.109
BANK 6	22.235	22.275	0.000	0.000	0.000	0.000	72.278	71.671	71.583	83.356
BANK 7	29.395	29.403	29.391	4.170	40.030	40.620	0.000	0.000	0.000	0.000
167 READING AT 840131 620										
BANK 1	69.906	71.758	0.000	0.000	72.972	70.078	0.000	71.004	70.735	0.000
BANK 2	84.560	84.748	83.827	73.802	72.994	73.531	72.408	70.193	71.162	71.286
BANK 3	71.431	65.976	70.588	69.766	70.520	70.062	70.661	69.852	71.345	70.248
BANK 4	69.936	69.989	69.654	69.830	69.022	68.606	68.950	38.530	27.988	27.368
BANK 5	28.076	30.930	28.321	26.642	28.219	32.057	30.550	22.260	22.137	22.149
BANK 6	22.255	22.295	0.000	0.000	0.000	0.000	72.258	71.651	71.573	83.356
BANK 7	29.394	29.404	29.389	4.240	40.020	40.640	0.000	0.000	0.000	0.000
168 READING AT 840131 630										
BANK 1	70.595	71.828	0.000	0.000	72.952	70.045	0.000	70.994	70.735	0.000
BANK 2	84.530	84.788	83.838	73.812	73.004	73.541	72.408	70.193	71.162	71.286
BANK 3	71.411	65.966	70.588	69.826	70.520	70.082	70.851	69.912	71.535	70.159
BANK 4	69.966	69.720	69.834	69.810	68.982	68.626	68.890	41.613	28.018	27.229
BANK 5	27.817	30.960	28.431	26.532	27.260	31.703	31.378	22.270	22.157	22.178
BANK 6	22.265	22.305	0.000	0.000	0.000	0.000	72.258	71.631	71.513	83.328
BANK 7	29.392	29.402	29.389	4.230	40.010	40.580	0.000	0.000	0.000	0.000
169 READING AT 840131 640										
BANK 1	69.926	71.748	0.000	0.000	72.982	70.055	0.000	70.994	70.725	0.000
BANK 2	84.501	84.778	83.818	73.812	72.994	73.591	72.318	70.203	71.162	71.276
BANK 3	71.441	65.956	70.568	69.756	70.510	70.092	70.881	69.842	71.505	70.119
BANK 4	70.006	69.620	69.774	69.620	69.062	68.606	68.820	30.669	27.380	26.840
BANK 5	28.266	30.810	27.622	26.142	27.681	31.438	32.155	22.290	22.177	22.189
BANK 6	22.265	22.325	0.000	0.000	0.000	0.000	72.266	71.631	71.553	83.306
BANK 7	29.393	29.397	29.387	4.220	39.960	40.630	0.000	0.000	0.000	0.000
170 READING AT 840131 650										
BANK 1	70.565	71.828	0.000	0.000	72.952	70.055	0.000	71.014	70.725	0.000
BANK 2	84.510	84.739	83.818	73.772	72.934	73.591	72.378	70.193	71.152	71.286
BANK 3	71.441	65.926	70.588	69.786	70.490	70.062	70.871	69.922	71.455	70.189
BANK 4	69.836	69.800	69.784	69.800	69.072	68.546	68.850	29.772	27.081	26.601
BANK 5	28.764	30.419	26.784	26.482	27.561	31.259	33.531	22.300	22.187	22.189
BANK 6	22.265	22.345	0.000	0.000	0.000	0.000	72.258	71.641	71.583	83.326
BANK 7	29.382	29.400	29.388	4.210	39.970	40.620	0.000	0.000	0.000	0.000
171 READING AT 840131 700										
BANK 1	69.886	71.758	0.000	0.000	72.942	70.045	0.000	70.994	70.735	0.000
BANK 2	84.481	84.748	83.798	73.752	72.974	73.511	72.278	70.193	71.142	71.286
BANK 3	71.431	65.908	70.588	69.788	70.480	70.072	70.851	69.842	71.325	70.099
BANK 4	69.856	69.720	69.844	69.800	69.102	68.576	68.800	22.752	26.902	26.532
BANK 5	29.103	30.129	26.485	26.812	27.531	31.199	34.459	22.519	22.209	22.179
BANK 6	22.275	22.355	0.000	0.000	0.000	0.000	72.268	71.621	71.533	83.326
BANK 7	29.394	29.415	29.388	4.190	39.960	40.640	0.000	0.000	0.000	0.000
172 READING AT 840131 710										
BANK 1	70.555	71.828	0.000	0.000	72.942	70.055	0.000	70.994	70.725	0.000
BANK 2	84.471	84.788	83.788	73.772	72.934	73.541	72.458	70.193	71.142	71.286
BANK 3	71.411	65.896	70.539	69.776	70.500	70.062	70.831	69.822	71.415	70.198
BANK 4	69.926	69.740	69.804	69.820	69.002	68.596	68.800	29.931	26.812	26.452
BANK 5	29.153	29.862	26.175	26.662	27.571	31.182	35.406	22.329	22.207	22.219
BANK 6	22.264	22.315	0.000	0.000	0.000	0.000	72.268	71.641	71.523	83.336
BANK 7	29.384	29.399	29.386	4.240	40.020	40.610	0.000	0.000	0.000	0.000
173 READING AT 840131 720										
BANK 1	69.886	71.748	0.000	0.000	72.942	70.055	0.000	70.964	70.725	0.000
BANK 2	84.491	84.748	83.788	73.782	72.974	73.501	72.438	70.183	71.142	71.276
BANK 3	71.421	65.896	70.618	69.776	70.490	70.052	70.811	69.902	71.415	70.069
BANK 4	69.906	69.760	69.834	69.810	69.042	68.636	68.840	29.822	27.151	26.711
BANK 5	29.173	29.829	25.956	26.192	27.511	31.179	33.132	22.339	22.217	22.249

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BANK 6	22.304	22.374	0.000	0.000	0.000	0.000	72.258	71.851	71.503	83.266
BANK 7	29.386	29.396	29.385	4.260	40.010	40.550	0.000	0.000	0.000	0.000
174 READING AT 840131 730										
BANK 1	70.565	71.808	0.000	0.000	72.942	70.065	0.000	70.964	70.725	0.000
BANK 2	84.461	84.748	83.618	73.792	72.944	73.511	72.298	70.183	71.152	71.276
BANK 3	71.401	65.896	70.698	69.756	70.440	70.052	70.821	69.902	71.345	70.099
BANK 4	69.886	69.670	69.933	69.760	68.932	68.576	68.880	28.864	27.111	26.820
BANK 5	28.336	30.529	27.014	26.132	27.481	31.578	31.737	22.349	22.237	22.249
BANK 6	22.314	22.384	0.000	0.000	0.000	0.000	72.248	71.641	71.543	83.286
BANK 7	29.389	29.401	29.385	4.270	40.010	40.610	0.000	0.000	0.000	0.000
175 READING AT 840131 740										
BANK 1	69.896	71.728	0.000	0.000	72.932	70.075	0.000	70.964	70.715	0.000
BANK 2	84.471	84.698	83.609	73.772	72.944	73.531	72.328	70.173	71.132	71.266
BANK 3	71.411	65.856	70.618	69.726	70.450	70.052	70.811	69.852	71.305	70.082
BANK 4	69.876	69.730	69.804	69.790	69.002	68.526	68.870	28.725	27.101	26.790
BANK 5	27.897	31.500	27.483	26.052	27.392	31.807	30.700	22.369	22.247	22.259
BANK 6	22.324	22.394	0.000	0.000	0.000	0.000	72.258	71.631	71.543	83.276
BANK 7	29.387	29.400	29.390	4.280	39.980	40.660	0.000	0.000	0.000	0.000
176 READING AT 840131 750										
BANK 1	69.896	71.728	0.000	0.000	72.932	70.035	0.000	70.944	70.715	0.000
BANK 2	84.481	84.729	83.788	73.752	72.944	73.561	72.338	70.183	71.122	71.266
BANK 3	71.421	65.866	70.628	69.746	70.480	70.042	70.831	69.882	71.265	70.218
BANK 4	69.906	69.600	69.744	69.800	68.972	68.596	68.860	28.515	27.201	26.780
BANK 5	27.787	31.480	27.732	26.172	27.292	31.997	30.361	22.379	22.257	22.269
BANK 6	22.334	22.404	0.000	0.000	0.000	0.000	72.238	71.621	71.523	83.296
BANK 7	29.388	29.398	29.385	4.310	40.010	40.690	0.000	0.000	0.000	0.000
177 READING AT 840131 800										
BANK 1	70.575	71.808	0.000	0.000	72.922	70.045	0.000	70.944	70.705	0.000
BANK 2	84.481	84.718	83.758	73.752	72.944	73.541	72.438	70.173	71.132	71.266
BANK 3	71.441	65.856	70.548	69.766	70.460	70.052	70.811	69.822	71.405	70.149
BANK 4	69.856	69.900	69.744	69.780	69.002	68.566	68.790	28.475	27.111	26.561
BANK 5	27.708	31.540	28.081	26.142	27.212	32.077	30.112	22.389	22.277	22.289
BANK 6	22.344	22.424	0.000	0.000	0.000	0.000	72.238	71.621	71.493	83.296
BANK 7	29.387	29.390	29.385	4.350	40.000	40.610	0.000	0.000	0.000	0.000
178 READING AT 840131 810										
BANK 1	69.876	71.738	0.000	0.000	72.912	70.045	0.000	70.934	70.705	0.000
BANK 2	84.451	84.728	83.758	73.772	72.954	73.501	72.438	70.163	71.122	71.256
BANK 3	71.421	65.846	70.558	69.716	70.420	70.052	70.791	69.882	71.455	70.069
BANK 4	69.906	69.740	69.774	69.780	68.972	68.546	68.810	28.226	26.742	26.123
BANK 5	27.528	31.580	28.141	25.912	27.880	31.638	29.982	22.399	22.297	22.279
BANK 6	22.374	22.434	0.000	0.000	0.000	0.000	72.238	71.601	71.493	83.306
BANK 7	29.386	29.392	29.382	4.340	39.930	40.530	0.000	0.000	0.000	0.000
179 READING AT 840131 820										
BANK 1	70.565	71.788	0.000	0.000	72.932	70.055	0.000	70.934	70.715	0.000
BANK 2	84.461	84.718	83.758	73.752	72.914	73.501	72.358	70.163	71.122	71.256
BANK 3	71.391	65.826	70.548	69.736	70.440	70.062	70.801	69.822	71.415	70.062
BANK 4	69.886	69.730	69.834	69.778	68.992	68.556	68.800	28.154	26.772	26.800
BANK 5	27.608	30.699	27.373	26.172	26.648	31.309	29.843	22.419	22.327	22.279
BANK 6	22.394	22.454	0.000	0.000	0.000	0.000	72.228	71.611	71.503	83.266
BANK 7	29.388	29.397	29.384	4.300	39.940	40.670	0.000	0.000	0.000	0.000
180 READING AT 840131 830										
BANK 1	69.876	71.718	0.000	0.000	72.912	70.025	0.000	70.914	70.705	0.000
BANK 2	84.441	84.698	83.758	73.742	72.944	73.511	72.398	70.153	71.122	71.246
BANK 3	71.401	65.856	70.578	69.686	70.460	70.042	70.801	69.842	71.355	70.119
BANK 4	69.906	69.760	69.784	69.780	68.972	68.566	68.830	27.967	26.802	27.229
BANK 5	27.628	30.329	26.544	26.842	27.217	31.152	29.673	22.439	22.337	22.289
BANK 6	22.414	22.474	0.000	0.000	0.000	0.000	72.238	71.591	71.493	83.296
BANK 7	29.336	29.389	29.383	4.340	39.950	40.620	0.000	0.000	0.000	0.000

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181 READING AT 840131 840

BANK 1	70.555	71.788	0.000	0.000	72.922	70.045	0.000	70.934	70.705	0.000
BANK 2	84.421	84.708	83.758	73.762	72.954	73.501	72.238	70.153	71.122	71.246
BANK 3	71.401	65.806	70.539	69.884	70.490	70.042	70.831	69.802	71.325	70.079
BANK 4	69.936	69.720	69.834	69.780	68.992	68.596	68.810	27.817	26.732	27.657
BANK 5	27.678	29.939	25.926	27.032	29.366	30.890	29.444	22.449	22.337	22.329
BANK 6	22.424	22.484	0.000	0.000	0.000	0.000	72.238	71.591	71.493	83.266
BANK 7	29.387	29.395	29.383	4.400	39.960	40.650	0.000	0.000	0.000	0.000

182 READING AT 840131 850

BANK 1	69.896	71.728	0.000	0.000	72.902	70.075	0.000	70.924	70.705	0.000
BANK 2	84.431	84.699	83.739	73.732	72.934	73.472	72.338	70.163	71.112	71.236
BANK 3	71.421	65.826	70.589	69.696	70.440	70.032	70.811	69.862	71.235	70.059
BANK 4	69.826	69.740	69.814	69.760	68.932	68.556	68.840	27.598	26.892	28.434
BANK 5	27.737	29.659	26.075	26.922	28.827	31.788	29.255	22.459	22.337	22.332
BANK 6	22.424	22.494	0.000	0.000	0.000	0.000	72.238	71.591	71.493	83.246
BANK 7	29.387	29.397	29.383	4.330	39.980	40.630	0.000	0.000	0.000	0.000

183 READING AT 840131 900

BANK 1	70.585	71.778	0.000	0.000	72.912	70.055	0.000	70.904	70.705	0.000
BANK 2	84.431	84.658	83.768	73.742	72.934	73.531	72.408	70.153	71.122	71.246
BANK 3	71.411	65.826	70.569	69.676	70.440	70.032	70.811	69.852	71.315	70.069
BANK 4	69.796	69.830	69.704	69.770	68.912	68.516	68.790	27.458	28.038	28.025
BANK 5	27.478	29.449	25.745	27.252	28.359	32.326	29.115	22.469	22.347	22.359
BANK 6	22.424	22.504	0.000	0.000	0.000	0.000	72.238	71.591	71.493	83.266
BANK 7	29.385	29.393	29.382	4.390	39.970	40.570	0.000	0.000	0.000	0.000

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24 HR FULL  
PRESSURE TEST

184 READING AT 840131 910

BANK 1	69.876	71.718	0.000	0.000	72.902	70.045	0.000	70.934	70.705	0.000
BANK 2	84.421	84.678	83.718	73.742	72.944	73.551	72.348	70.143	71.112	71.236
BANK 3	71.391	65.806	70.578	69.676	70.410	70.022	70.791	69.822	71.305	70.049
BANK 4	69.896	69.660	69.798	69.770	68.921	68.546	68.800	27.378	31.309	27.918
BANK 5	28.356	29.469	25.467	27.582	27.940	32.356	28.906	22.489	22.347	22.359
BANK 6	22.434	22.514	0.000	0.000	0.000	0.000	72.238	71.591	71.523	83.236
BANK 7	29.384	29.392	29.382	4.320	39.970	40.570	0.000	0.000	0.000	0.000

185 READING AT 840131 920

BANK 1	70.545	71.778	0.000	0.000	72.902	70.045	0.000	70.934	70.705	0.000
BANK 2	84.411	84.708	83.748	73.732	72.894	73.521	72.378	70.153	71.102	71.236
BANK 3	71.381	65.796	70.548	69.736	70.440	70.022	70.791	69.822	71.355	70.079
BANK 4	69.876	69.690	69.764	69.770	68.952	68.516	68.790	27.269	35.627	27.776
BANK 5	28.525	29.509	25.307	27.852	27.641	32.426	28.776	22.499	22.357	22.379
BANK 6	22.434	22.524	0.000	0.000	0.000	0.000	72.238	71.591	71.463	83.246
BANK 7	29.386	29.394	29.379	4.440	39.950	40.570	0.000	0.000	0.000	0.000

186 READING AT 840131 930

BANK 1	69.866	71.628	0.000	0.000	72.902	70.025	0.000	70.904	70.685	0.000
BANK 2	84.411	84.688	83.718	73.722	72.934	73.472	72.358	70.143	71.092	71.236
BANK 3	71.401	65.796	70.548	69.676	70.480	70.012	70.771	69.832	71.205	70.029
BANK 4	69.756	69.760	69.754	69.750	69.002	68.546	68.750	27.129	29.295	27.069
BANK 5	28.844	29.512	25.047	28.162	27.322	31.598	28.666	22.429	22.367	22.409
BANK 6	22.434	22.524	0.000	0.000	0.000	0.000	72.238	71.591	71.513	83.226
BANK 7	29.381	29.386	29.375	4.410	39.970	40.560	0.000	0.000	0.000	0.000

187 READING AT 840131 940

BANK 1	70.555	71.788	0.000	0.000	72.902	70.025	0.000	70.904	70.685	0.000
BANK 2	84.401	84.688	83.738	73.722	72.914	73.491	72.398	70.143	71.092	71.236
BANK 3	71.381	65.786	70.469	69.736	70.440	70.012	70.771	69.802	71.275	70.062
BANK 4	69.896	69.730	69.724	69.730	68.831	68.536	68.800	26.311	26.951	26.293
BANK 5	28.385	28.879	25.127	26.012	27.132	31.359	28.646	22.509	22.377	22.429
BANK 6	22.434	22.534	0.000	0.000	0.000	0.000	72.228	71.591	71.503	83.206
BANK 7	29.375	29.386	29.373	4.460	39.960	40.580	0.000	0.000	0.000	0.000

188 READING AT 840131 950

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BANK 1	89.866	71.698	0.000	0.000	72.882	70.615	0.000	70.994	70.885	0.000
BANK 2	84.391	84.638	33.718	0.000	72.702	73.412	72.338	70.143	71.082	71.000
BANK 3	71.401	65.740	69.536	70.440	70.440	70.012	70.781	69.782	71.325	70.019
BANK 4	67.909	60.088	61.263	68.873	68.873	31.888	98.387	23.516	23.367	22.368
BANK 5	26.474	26.364	29.999	4.470	39.940	40.560	72.218	71.521	71.500	83.216
BANK 6	26.375	26.375	29.374	4.470	39.940	40.560	0.000	0.000	0.000	0.000

189. READING AT 8401311000										
BANK 1	89.866	71.698	0.000	0.000	72.882	70.615	0.000	70.994	70.885	0.000
BANK 2	84.391	84.638	33.718	0.000	72.702	73.412	72.338	70.143	71.082	71.000
BANK 3	71.401	65.740	69.536	70.440	70.440	70.012	70.781	69.782	71.325	70.019
BANK 4	67.909	60.088	61.263	68.873	68.873	31.888	98.387	23.516	23.367	22.368
BANK 5	26.474	26.364	29.999	4.470	39.940	40.560	72.218	71.521	71.500	83.216
BANK 6	26.375	26.375	29.374	4.470	39.940	40.560	0.000	0.000	0.000	0.000

190. READING AT 8401311020										
BANK 1	70.545	71.758	0.000	0.000	72.892	70.035	0.000	70.914	70.685	0.000
BANK 2	81.321	83.788	83.788	70.874	70.874	70.531	70.781	69.782	71.325	70.019
BANK 3	71.321	65.740	69.536	70.440	70.440	70.012	70.781	69.782	71.325	70.019
BANK 4	67.909	60.088	61.263	68.873	68.873	31.888	98.387	23.516	23.367	22.368
BANK 5	26.474	26.364	29.999	4.470	39.940	40.560	72.218	71.521	71.500	83.216
BANK 6	26.375	26.375	29.374	4.470	39.940	40.560	0.000	0.000	0.000	0.000

191. READING AT 8401311020										
BANK 1	89.866	71.698	0.000	0.000	72.882	70.615	0.000	70.994	70.885	0.000
BANK 2	84.391	84.638	33.718	0.000	72.702	73.412	72.338	70.143	71.082	71.000
BANK 3	71.401	65.740	69.536	70.440	70.440	70.012	70.781	69.782	71.325	70.019
BANK 4	67.909	60.088	61.263	68.873	68.873	31.888	98.387	23.516	23.367	22.368
BANK 5	26.474	26.364	29.999	4.470	39.940	40.560	72.218	71.521	71.500	83.216
BANK 6	26.375	26.375	29.374	4.470	39.940	40.560	0.000	0.000	0.000	0.000

192. READING AT 8401311030										
BANK 1	89.866	71.698	0.000	0.000	72.882	70.615	0.000	70.994	70.885	0.000
BANK 2	84.391	84.638	33.718	0.000	72.702	73.412	72.338	70.143	71.082	71.000
BANK 3	71.401	65.740	69.536	70.440	70.440	70.012	70.781	69.782	71.325	70.019
BANK 4	67.909	60.088	61.263	68.873	68.873	31.888	98.387	23.516	23.367	22.368
BANK 5	26.474	26.364	29.999	4.470	39.940	40.560	72.218	71.521	71.500	83.216
BANK 6	26.375	26.375	29.374	4.470	39.940	40.560	0.000	0.000	0.000	0.000

193. READING AT 8401311040										
BANK 1	89.866	71.698	0.000	0.000	72.882	70.615	0.000	70.994	70.885	0.000
BANK 2	84.391	84.638	33.718	0.000	72.702	73.412	72.338	70.143	71.082	71.000
BANK 3	71.401	65.740	69.536	70.440	70.440	70.012	70.781	69.782	71.325	70.019
BANK 4	67.909	60.088	61.263	68.873	68.873	31.888	98.387	23.516	23.367	22.368
BANK 5	26.474	26.364	29.999	4.470	39.940	40.560	72.218	71.521	71.500	83.216
BANK 6	26.375	26.375	29.374	4.470	39.940	40.560	0.000	0.000	0.000	0.000

194. READING AT 8401311050										
BANK 1	89.866	71.698	0.000	0.000	72.882	70.615	0.000	70.994	70.885	0.000
BANK 2	84.391	84.638	33.718	0.000	72.702	73.412	72.338	70.143	71.082	71.000
BANK 3	71.401	65.740	69.536	70.440	70.440	70.012	70.781	69.782	71.325	70.019
BANK 4	67.909	60.088	61.263	68.873	68.873	31.888	98.387	23.516	23.367	22.368
BANK 5	26.474	26.364	29.999	4.470	39.940	40.560	72.218	71.521	71.500	83.216
BANK 6	26.375	26.375	29.374	4.470	39.940	40.560	0.000	0.000	0.000	0.000

195. READING AT 8401311100										
BANK 1	89.866	71.698	0.000	0.000	72.882	70.615	0.000	70.994	70.885	0.000
BANK 2	84.391	84.638	33.718	0.000	72.702	73.412	72.338	70.143	71.082	71.000
BANK 3	71.401	65.740	69.536	70.440	70.440	70.012	70.781	69.782	71.325	70.019
BANK 4	67.909	60.088	61.263	68.873	68.873	31.888	98.387	23.516	23.367	22.368
BANK 5	26.474	26.364	29.999	4.470	39.940	40.560	72.218	71.521	71.500	83.216
BANK 6	26.375	26.375	29.374	4.470	39.940	40.560	0.000	0.000	0.000	0.000

BEGINNING OF  
VERIFICATION TEST  
DATA

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BANK 8 24.597 27.236 23.610 22.171 24.819 28.974 27.642 22.499 22.377 22.739  
 BANK 9 22.314 22.474 0.000 0.000 0.000 0.000 0.000 0.000 71.422 83.106  
 BANK 7 29.357 29.353 29.353 4.380 39.940 40.480 0.000 0.000 0.000 0.000

203 READING AT 8401311220  
 BANK 1 69.847 71.578 0.000 0.000 72.842 73.285 0.000 70.844 70.645 0.000  
 BANK 2 64.321 64.578 63.658 73.642 72.764 69.511 72.289 70.713 71.074 71.196  
 BANK 3 71.371 65.716 70.393 68.617 70.390 68.243 70.740 69.715 71.074 71.371  
 BANK 4 24.537 22.484 23.070 22.081 23.450 26.795 26.022 27.427 27.372 23.844  
 BANK 5 22.355 22.353 29.353 4.350 39.940 40.450 0.000 0.000 71.372 83.146  
 BANK 6 69.847 71.578 0.000 0.000 72.842 73.285 0.000 70.844 70.645 0.000

204 READING AT 8401311230  
 BANK 1 69.847 71.578 0.000 0.000 72.842 73.285 0.000 70.844 70.645 0.000  
 BANK 2 64.321 64.578 63.658 73.642 72.764 69.511 72.289 70.713 71.074 71.196  
 BANK 3 71.371 65.716 70.393 68.617 70.390 68.243 70.740 69.715 71.074 71.371  
 BANK 4 24.537 22.484 23.070 22.081 23.450 26.795 26.022 27.427 27.372 23.844  
 BANK 5 22.355 22.353 29.353 4.350 39.940 40.450 0.000 0.000 71.372 83.146  
 BANK 6 69.847 71.578 0.000 0.000 72.842 73.285 0.000 70.844 70.645 0.000

205 READING AT 8401311240  
 BANK 1 70.527 71.718 0.000 0.000 72.842 73.285 0.000 70.844 70.645 0.000  
 BANK 2 64.321 64.578 63.658 73.642 72.764 69.511 72.289 70.713 71.074 71.196  
 BANK 3 71.371 65.716 70.393 68.617 70.390 68.243 70.740 69.715 71.074 71.371  
 BANK 4 24.537 22.484 23.070 22.081 23.450 26.795 26.022 27.427 27.372 23.844  
 BANK 5 22.355 22.353 29.353 4.350 39.940 40.450 0.000 0.000 71.372 83.146  
 BANK 6 69.847 71.578 0.000 0.000 72.842 73.285 0.000 70.844 70.645 0.000

206 READING AT 8401311250  
 BANK 1 69.847 71.578 0.000 0.000 72.842 73.285 0.000 70.844 70.645 0.000  
 BANK 2 64.321 64.578 63.658 73.642 72.764 69.511 72.289 70.713 71.074 71.196  
 BANK 3 71.371 65.716 70.393 68.617 70.390 68.243 70.740 69.715 71.074 71.371  
 BANK 4 24.537 22.484 23.070 22.081 23.450 26.795 26.022 27.427 27.372 23.844  
 BANK 5 22.355 22.353 29.353 4.350 39.940 40.450 0.000 0.000 71.372 83.146  
 BANK 6 69.847 71.578 0.000 0.000 72.842 73.285 0.000 70.844 70.645 0.000

207 READING AT 8401311300  
 BANK 1 70.527 71.718 0.000 0.000 72.842 73.285 0.000 70.844 70.645 0.000  
 BANK 2 64.321 64.578 63.658 73.642 72.764 69.511 72.289 70.713 71.074 71.196  
 BANK 3 71.371 65.716 70.393 68.617 70.390 68.243 70.740 69.715 71.074 71.371  
 BANK 4 24.537 22.484 23.070 22.081 23.450 26.795 26.022 27.427 27.372 23.844  
 BANK 5 22.355 22.353 29.353 4.350 39.940 40.450 0.000 0.000 71.372 83.146  
 BANK 6 69.847 71.578 0.000 0.000 72.842 73.285 0.000 70.844 70.645 0.000

208 READING AT 8401311310  
 BANK 1 69.847 71.578 0.000 0.000 72.842 73.285 0.000 70.844 70.645 0.000  
 BANK 2 64.321 64.578 63.658 73.642 72.764 69.511 72.289 70.713 71.074 71.196  
 BANK 3 71.371 65.716 70.393 68.617 70.390 68.243 70.740 69.715 71.074 71.371  
 BANK 4 24.537 22.484 23.070 22.081 23.450 26.795 26.022 27.427 27.372 23.844  
 BANK 5 22.355 22.353 29.353 4.350 39.940 40.450 0.000 0.000 71.372 83.146  
 BANK 6 69.847 71.578 0.000 0.000 72.842 73.285 0.000 70.844 70.645 0.000

209 READING AT 8401311320  
 BANK 1 70.527 71.718 0.000 0.000 72.842 73.285 0.000 70.844 70.645 0.000  
 BANK 2 64.321 64.578 63.658 73.642 72.764 69.511 72.289 70.713 71.074 71.196  
 BANK 3 71.371 65.716 70.393 68.617 70.390 68.243 70.740 69.715 71.074 71.371  
 BANK 4 24.537 22.484 23.070 22.081 23.450 26.795 26.022 27.427 27.372 23.844  
 BANK 5 22.355 22.353 29.353 4.350 39.940 40.450 0.000 0.000 71.372 83.146  
 BANK 6 69.847 71.578 0.000 0.000 72.842 73.285 0.000 70.844 70.645 0.000

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BANK 7	29.350	29.358	29.347	4.280	36.850	40.410	0.000	0.000	0.000	0.000	0.000
210 READING AT 8401311350											
BANK 1	81.877	81.928	83.588	0.000	72.832	63.482	0.000	70.834	70.615	0.000	0.000
BANK 2	71.301	65.716	70.369	68.557	70.390	68.943	70.701	24.925	21.200	23.515	71.174
BANK 3	69.686	69.590	69.554	68.420	48.801	68.358	68.610	24.955	23.220	22.292	23.515
BANK 4	22.184	22.234	23.150	22.250	23.151	22.843	22.866	22.493	21.392	22.292	22.292
BANK 5	29.350	29.358	29.346	4.320	39.850	40.430	0.000	0.000	0.000	0.000	83.078
BANK 6	29.350	29.358	29.346	4.320	39.850	40.430	0.000	0.000	0.000	0.000	0.000
211 READING AT 8401311340											
BANK 1	70.535	71.708	83.608	0.000	72.833	63.975	0.000	70.824	70.615	0.000	0.000
BANK 2	84.271	84.558	83.608	73.622	72.834	72.432	72.078	70.093	71.012	71.186	71.186
BANK 3	71.291	65.716	70.422	69.577	70.390	68.943	70.701	24.925	21.195	23.515	69.819
BANK 4	24.457	25.929	28.974	22.810	24.111	28.764	22.759	22.469	24.160	23.405	22.292
BANK 5	22.284	22.434	22.434	0.000	0.000	0.000	72.178	71.531	71.312	83.036	83.036
BANK 6	29.349	29.356	29.345	4.300	39.860	40.450	0.000	0.000	0.000	0.000	0.000
212 READING AT 8401311350											
BANK 1	69.837	71.548	83.588	0.000	72.832	63.955	0.000	70.854	70.615	0.000	0.000
BANK 2	84.261	84.548	83.588	73.612	72.833	72.511	72.178	70.083	71.002	71.186	71.186
BANK 3	71.301	65.716	70.369	68.517	70.390	68.932	70.711	24.925	21.230	23.515	71.174
BANK 4	24.328	25.447	28.492	22.281	24.131	28.284	22.321	22.469	24.377	23.515	23.515
BANK 5	22.284	22.434	22.434	0.000	0.000	0.000	72.168	71.531	71.312	83.036	83.036
BANK 6	29.351	29.357	29.343	4.210	39.820	40.410	0.000	0.000	0.000	0.000	0.000
213 READING AT 8401311400											
BANK 1	70.525	71.698	83.588	0.000	72.823	63.975	0.000	70.804	70.585	0.000	0.000
BANK 2	84.271	84.568	83.588	73.622	72.824	72.432	72.178	70.093	71.012	71.186	71.186
BANK 3	71.291	65.716	70.422	69.577	70.390	68.943	70.701	24.925	21.195	23.515	69.819
BANK 4	24.218	25.337	28.382	22.231	24.161	28.316	22.201	22.377	24.316	23.269	23.269
BANK 5	22.284	22.434	22.434	0.000	0.000	0.000	72.158	71.521	71.302	83.006	83.006
BANK 6	29.348	29.354	29.343	4.240	39.800	40.410	0.000	0.000	0.000	0.000	0.000
214 READING AT 8401311410											
BANK 1	69.817	71.518	83.588	0.000	72.823	63.955	0.000	70.804	70.605	0.000	0.000
BANK 2	84.261	84.518	83.588	73.592	72.824	72.481	72.229	70.083	71.002	71.186	71.186
BANK 3	71.281	65.716	70.379	68.537	70.390	68.923	70.671	24.925	21.925	23.228	71.174
BANK 4	24.276	25.395	28.440	22.260	24.161	28.316	22.190	22.377	24.316	23.269	23.269
BANK 5	22.284	22.434	22.434	0.000	0.000	0.000	72.168	71.521	71.382	83.006	83.006
BANK 6	29.346	29.353	29.343	4.300	39.810	40.410	0.000	0.000	0.000	0.000	0.000
215 READING AT 8401311420											
BANK 1	70.515	71.688	83.588	0.000	72.823	63.945	0.000	70.804	70.585	0.000	0.000
BANK 2	84.261	84.538	83.588	73.582	72.824	72.481	72.229	70.093	70.925	71.186	71.186
BANK 3	71.251	65.716	70.289	68.537	70.390	68.923	70.681	24.925	21.085	23.228	71.174
BANK 4	24.206	25.325	28.370	22.211	24.161	28.316	22.189	22.377	24.316	23.269	23.269
BANK 5	22.284	22.434	22.434	0.000	0.000	0.000	72.168	71.511	71.392	83.046	83.046
BANK 6	29.344	29.351	29.343	4.360	39.830	40.400	0.000	0.000	0.000	0.000	0.000
216 READING AT 8401311430											
BANK 1	69.827	71.618	83.588	0.000	72.813	63.955	0.000	70.794	70.585	0.000	0.000
BANK 2	84.261	84.528	83.588	73.572	72.814	72.481	72.229	70.083	70.925	71.186	71.186
BANK 3	71.236	65.716	70.339	68.520	70.390	68.923	70.671	24.925	21.115	23.228	71.174
BANK 4	24.186	25.305	28.350	22.201	24.161	28.316	22.168	22.377	24.316	23.269	23.269
BANK 5	22.284	22.434	22.434	0.000	0.000	0.000	72.168	71.511	71.392	83.026	83.026
BANK 6	29.340	29.347	29.343	4.300	39.810	40.410	0.000	0.000	0.000	0.000	0.000

217 READING AT 8401311440										
BANK 1	69.827	71.628	0.000	0.000	72.813	69.965	0.000	70.824	70.585	0.000
BANK 2	84.231	84.508	83.538	73.582	72.784	73.472	72.118	70.073	70.982	71.166
BANK 3	71.281	65.736	70.319	69.810	70.341	68.923	70.621	69.622	71.265	69.879
BANK 4	69.726	69.690	69.634	69.580	68.791	68.316	68.630	23.319	23.580	24.799
BANK 5	25.065	23.876	22.572	24.231	26.733	28.346	26.743	22.499	22.377	22.279
BANK 6	22.294	22.444	0.000	0.000	0.000	0.000	72.168	71.501	71.342	83.036
BANK 7	29.347	29.354	29.344	4.280	39.820	40.350	0.000	0.000	0.000	0.000
218 READING AT 8401311450										
BANK 1	70.525	71.688	0.000	0.000	72.813	69.935	0.000	70.794	70.585	0.000
BANK 2	84.241	84.508	83.538	73.582	72.784	73.481	72.188	70.063	70.982	71.166
BANK 3	71.281	65.736	70.319	69.467	70.380	69.913	70.681	69.602	71.245	69.889
BANK 4	69.726	69.690	69.634	69.580	68.801	68.316	68.640	23.220	23.891	24.203
BANK 5	24.926	23.696	22.084	23.151	26.265	29.104	26.613	25.489	22.357	22.259
BANK 6	22.294	22.444	0.000	0.000	0.000	0.000	72.158	71.501	71.312	82.976
BANK 7	29.341	29.351	29.342	4.250	39.760	40.290	0.000	0.000	0.000	0.000
219 READING AT 8401311500										
BANK 1	69.817	71.618	0.000	0.000	72.803	69.945	0.000	70.804	70.585	0.000
BANK 2	84.231	84.508	83.538	73.512	72.744	73.412	72.248	70.063	70.982	71.158
BANK 3	71.281	65.736	70.309	69.497	70.341	69.223	70.661	69.562	71.275	69.799
BANK 4	69.726	69.760	69.644	69.570	68.851	68.326	68.560	23.180	24.977	25.476
BANK 5	24.167	23.766	22.153	22.821	25.836	29.952	26.573	22.499	22.337	22.249
BANK 6	22.294	22.444	0.000	0.000	0.000	0.000	72.158	71.501	71.322	83.008
BANK 7	29.341	29.351	29.340	4.200	39.790	40.200	0.000	0.000	0.000	0.000
220 READING AT 8401311510										
BANK 1	70.513	71.668	0.000	0.000	72.783	69.955	0.000	70.774	70.595	0.000
BANK 2	84.241	84.498	83.538	73.562	72.794	73.462	72.168	70.063	70.982	71.146
BANK 3	71.311	65.716	70.279	69.487	70.360	69.913	70.671	69.612	71.115	69.929
BANK 4	69.626	69.600	69.574	69.580	68.801	68.336	68.570	23.643	24.264	24.958
BANK 5	24.657	23.816	22.483	23.501	25.597	29.892	26.663	22.499	22.337	22.239
BANK 6	22.294	22.444	0.000	0.000	0.000	0.000	72.158	71.491	71.332	83.006
BANK 7	29.341	29.345	29.333	4.220	39.770	40.250	0.000	0.000	0.000	0.000
221 READING AT 8401311520										
BANK 1	69.807	71.608	0.000	0.000	72.803	69.955	0.000	70.784	70.585	0.000
BANK 2	84.231	84.518	83.558	73.552	72.784	73.462	72.068	70.053	70.972	71.146
BANK 3	71.311	65.756	70.319	69.527	70.350	69.903	70.681	69.582	71.155	69.819
BANK 4	69.666	69.540	69.584	69.570	68.771	68.316	68.560	23.858	20.352	25.167
BANK 5	25.245	23.806	22.473	23.931	25.367	30.042	26.563	22.499	22.327	22.229
BANK 6	22.284	22.434	0.000	0.000	0.000	0.000	72.158	71.501	71.352	82.986
BANK 7	29.341	29.350	29.340	4.230	39.750	40.280	0.000	0.000	0.000	0.000
222 READING AT 8401311530										
BANK 1	70.515	71.668	0.000	0.000	72.803	69.945	0.000	70.774	70.585	0.000
BANK 2	84.221	84.528	83.548	73.592	72.734	73.462	72.128	70.063	70.962	71.136
BANK 3	71.271	65.736	70.299	69.427	70.331	69.893	70.681	69.582	71.215	69.878
BANK 4	69.606	69.670	69.674	69.560	68.841	68.276	68.550	24.227	26.473	24.570
BANK 5	26.401	23.846	22.433	24.371	25.108	29.344	26.324	22.499	22.327	22.209
BANK 6	22.275	22.434	0.000	0.000	0.000	0.000	72.158	71.491	71.332	82.986
BANK 7	29.342	29.345	29.337	4.170	39.790	40.300	0.000	0.000	0.000	0.000
223 READING AT 8401311540										
BANK 1	69.827	71.588	0.000	0.000	72.783	69.905	0.000	70.794	70.575	0.000
BANK 2	84.211	84.478	83.528	73.572	72.774	73.462	72.138	70.053	70.962	71.136
BANK 3	71.281	65.726	70.289	69.467	70.390	69.883	70.671	69.612	71.125	69.879
BANK 4	69.696	69.540	69.564	69.560	68.741	68.246	68.580	24.027	24.319	24.032
BANK 5	25.783	23.876	22.523	24.941	24.859	29.064	26.294	22.499	22.337	22.219
BANK 6	22.265	22.424	0.000	0.000	0.000	0.000	72.148	71.471	71.322	82.986
BANK 7	29.338	29.345	29.333	4.190	39.750	40.290	0.000	0.000	0.000	0.000
224 READING AT 8401311550										
BANK 1	70.515	71.668	0.000	0.000	72.793	69.925	0.000	70.774	70.575	0.000

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BANK 2	84.211	84.788	83.538	73.572	72.874	73.412	72.158	70.053	70.582	71.138
BANK 3	71.281	65.726	70.257	69.507	70.360	69.903	70.651	69.592	71.205	69.809
BANK 4	69.666	69.440	69.604	69.560	68.771	68.276	68.590	24.008	23.861	23.863
BANK 5	24.687	24.174	23.820	24.791	24.988	23.423	26.314	22.489	22.357	22.219
BANK 6	22.255	22.424	0.000	0.000	0.000	0.000	72.148	71.461	71.392	82.946
BANK 7	29.336	29.342	29.335	4.220	39.750	40.310	0.000	0.000	0.000	0.000
225 READING AT 8401311600										
BANK 1	89.807	71.588	0.000	0.000	72.773	69.965	0.000	70.764	70.575	0.000
BANK 2	84.201	84.488	83.488	73.552	72.694	73.452	72.088	70.053	70.962	71.136
BANK 3	71.271	65.736	70.319	69.507	70.350	69.923	70.641	69.572	71.155	69.759
BANK 4	69.636	69.540	69.554	69.540	68.781	68.276	68.560	23.928	23.601	23.455
BANK 5	24.238	24.877	25.878	23.161	24.899	23.673	26.254	22.489	22.357	22.219
BANK 6	22.245	22.624	0.000	0.000	0.000	0.000	72.148	71.481	71.372	82.966
BANK 7	29.338	29.343	29.331	4.230	39.740	40.260	0.000	0.000	0.000	0.000
228 READING AT 8401311610										
BANK 1	70.515	71.668	0.000	0.000	72.793	69.945	0.000	70.774	70.545	0.000
BANK 2	84.181	84.488	83.498	73.562	72.714	73.511	72.178	70.053	70.952	71.136
BANK 3	71.281	65.736	70.239	69.417	70.350	69.913	70.651	69.612	71.205	69.819
BANK 4	69.696	69.510	69.514	69.540	68.891	68.276	68.540	23.928	23.421	23.378
BANK 5	24.059	27.638	25.427	22.621	24.769	30.162	26.214	22.489	22.357	22.259
BANK 6	22.265	22.414	0.000	0.000	0.000	0.000	72.148	71.471	71.372	82.956
BANK 7	29.337	29.342	29.332	4.300	39.730	40.270	0.000	0.000	0.000	0.000

END OF VERIFICATION  
TEST DATA

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FULL PRESSURE TEST 24 HOUR RESULTS

## RESULTS OF CONTAINMENT MASS FLOT ANALYSIS(%/DAY)

RDG NO	TIME DAY:HR	MINIMUM LEAK RATE	OBSERVED LEAK RATE	MAXIMUM LEAK RATE
40	040121:0850	0.0000000	0.0000000	0.0000000
41	040121:0905	0.0000000	0.0000000	0.0000000
42	040121:0920	0.0000000	0.0000000	0.0000000
43	040121:0935	0.8019911	0.2211781	9.3592388
44	040121:0950	-2.1113850	-0.5015945	1.1081299
45	040121:1000	-1.1607143	-0.3922642	0.1081658
46	040121:1010	-0.8182144	-0.0882846	0.6416454
47	040121:1020	-0.5350828	0.3032588	1.1412002
48	040121:1030	-0.2774570	0.2442237	0.2661044
49	040121:1040	-0.2500973	0.2505271	0.7511515
50	040121:1050	-0.2243333	0.1877773	0.5623800
51	040121:1100	-0.2911158	0.0730928	0.4373013
52	040121:1108	-0.2128441	0.0237153	0.4002747
53	040121:1120	-0.2115870	0.0528914	0.3173697
54	040121:1130	-0.2157823	0.0157385	0.2472694
55	040121:1140	-0.2248339	0.0193038	0.1852283
56	040121:1150	-0.2041323	-0.0243775	0.1553773
57	040121:1200	-0.1602695	0.0016144	0.1634284
58	040121:1210	-0.1197261	0.0278054	0.1753369
59	040121:1220	-0.0897480	0.0748833	0.2190747
60	040121:1230	-0.0167768	0.1306875	0.2781518
61	040121:1240	0.0167949	0.1529458	0.2890957
62	040121:1250	0.0516738	0.1726833	0.3076927
63	040121:1300	0.0950947	0.2259513	0.3558080
64	040121:1310	0.1212840	0.2418187	0.3623534
65	040121:1320	0.1216995	0.2330394	0.3443792
66	040121:1330	0.1120533	0.2166654	0.3212774
67	040121:1340	0.1129523	0.2188266	0.3108889
68	040121:1350	0.1151428	0.2055898	0.2960369
69	040121:1400	0.1166414	0.2009878	0.2853341
70	040121:1410	0.1164642	0.1954304	0.2743967
71	040121:1420	0.1107987	0.1855892	0.2603409
72	040121:1430	0.1083538	0.1788743	0.2493947
73	040121:1440	0.1132328	0.1794511	0.2456693
74	040121:1450	0.1183029	0.1806128	0.2429227
75	040121:1500	0.1185000	0.1788890	0.2379980
76	040121:1510	0.1232859	0.1794070	0.2355281
77	040121:1520	0.1416731	0.2001190	0.2585650
78	040121:1530	0.1470752	0.2024945	0.2579139
79	040121:1540	0.1448355	0.1977144	0.2505733
80	040121:1550	0.1460754	0.1963001	0.2465247
81	040121:1600	0.1352276	0.1848486	0.2344696
82	040121:1610	0.1420625	0.1896389	0.2372141
83	040121:1620	0.1500203	0.1997713	0.2419223
84	040121:1630	0.1445728	0.1891463	0.2337198
85	040121:1640	0.1415312	0.1844623	0.2273934
86	040121:1650	0.1365697	0.1782592	0.2199488
87	040121:1700	0.1359244	0.1789208	0.2159189
88	040121:1710	0.1303617	0.1694446	0.2084980
89	040121:1720	0.1292169	0.1631046	0.2012622
90	040121:1730	0.1198494	0.1571433	0.1944373
91	040121:1740	0.1134951	0.1502173	0.1869395
92	040121:1750	0.1072511	0.1434273	0.1794034
93	040121:1800	0.1028190	0.1381571	0.1734953
94	040121:1810	0.1020041	0.1361072	0.1702104
95	040121:1820	0.1047056	0.1376070	0.1705085
96	040121:1830	0.1017847	0.1338102	0.1658357
97	040121:1840	0.0988273	0.1300309	0.1612345

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98	84012	1850	0.0914653	0.1227499	0.1540345
99	84012	1900	0.0910523	0.1213167	0.1515811
100	84012	1910	0.0920803	0.1213282	0.1505775
101	84012	1915	0.0913877	0.1197564	0.1481230
102	84012	1930	0.0928963	0.1203494	0.1478028
103	84012	1940	0.0932691	0.1198502	0.1464312
104	84012	1950	0.0934984	0.1192528	0.1450068
105	84012	2000	0.0926661	0.1176870	0.1427073
106	84012	2010	0.0933294	0.1175871	0.1418447
107	84012	2020	0.0914735	0.1151673	0.1388611
108	84012	2030	0.0905281	0.1135911	0.1368560
109	84012	2040	0.0899820	0.1124144	0.1348469
110	84012	2050	0.0876800	0.1096930	0.1317060
111	84012	2100	0.0884459	0.1098345	0.1312232
112	84012	2110	0.0912487	0.1122210	0.1331933
113	84012	2120	0.0926336	0.1130499	0.1334662
114	84012	2130	0.0929979	0.1128609	0.1327239
115	84012	2140	0.0934517	0.1127816	0.1321114
116	84012	2150	0.0937218	0.1125414	0.1313808
117	84012	2200	0.0939283	0.1123593	0.1305904
118	84012	2210	0.0946276	0.1124880	0.1303483
119	84012	2220	0.0954067	0.1128165	0.1302262
120	84012	2230	0.0961078	0.1130817	0.1300557
121	84012	2240	0.0941926	0.1109300	0.1276673
122	84012	2250	0.0933120	0.1096998	0.1260977
123	84012	2300	0.0921970	0.1082718	0.1243465
124	84012	2310	0.0922174	0.1079125	0.1236078
125	84012	2320	0.0917173	0.1070718	0.1224264
126	84012	2030	0.0916089	0.1065133	0.1216177
127	84012	2340	0.0916160	0.1062789	0.1209419
128	84012	2350	0.0908548	0.1052325	0.1198103
129	84013	0	0.0901277	0.1042282	0.1183288
130	84013	10	0.0899951	0.1037900	0.1175849
131	84013	20	0.0900523	0.1035434	0.1170345
132	84013	30	0.0889478	0.1022318	0.1155157
133	84013	40	0.0885647	0.1015847	0.1146047
134	84013	50	0.0892096	0.1019604	0.1147111
135	84013	100	0.0894632	0.1019466	0.1144294
136	84013	110	0.0902100	0.1024465	0.1146831
137	84013	120	0.0906137	0.1025996	0.1145855
138	84013	130	0.0914331	0.1031946	0.1149561
139	84013	140	0.0916911	0.1032154	0.1147327
140	84013	150	0.0918632	0.1031578	0.1144519
141	84013	200	0.0925260	0.1036022	0.1146524
142	84013	210	0.0929347	0.1038032	0.1146717
143	84013	220	0.0929513	0.1036113	0.1142713
144	84013	230	0.0932109	0.1036664	0.1141219
145	84013	240	0.0929652	0.1032338	0.1135025
146	84013	250	0.0927907	0.1028743	0.1129579
147	84013	300	0.0931822	0.1030876	0.1129860
148	84013	310	0.0940474	0.1037958	0.1135481
149	84013	320	0.0952044	0.1048514	0.1144984
150	84013	330	0.0956503	0.1051274	0.1146045
151	84013	340	0.0960137	0.1053230	0.1146322
152	84013	350	0.0968181	0.1059914	0.1151688
153	84013	400	0.0976389	0.1066874	0.1157358
154	84013	410	0.0984948	0.1074250	0.1163552
155	84013	420	0.0993179	0.1081303	0.1169427
156	84013	430	0.0997184	0.1083837	0.1170492
157	84013	440	0.0998333	0.1083509	0.1168685
158	84013	450	0.1000352	0.1084089	0.1167826
159	84013	500	0.0999623	0.1081982	0.1164355
160	84013	510	0.1004315	0.1085405	0.1166494
161	84013	520	0.1008654	0.1083483	0.1168312
162	84013	530	0.1011291	0.1089828	0.1168365

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163	840131	540	0.1010537	0.1087832	0.1165127
164	840131	550	0.1007164	0.1083386	0.1159607
165	840131	600	0.1007271	0.1082285	0.1157299
166	840131	610	0.1011252	0.1085892	0.1158832
167	840131	620	0.1017319	0.1090269	0.1163219
168	840131	630	0.1025965	0.1098377	0.1170788
169	840131	640	0.1026232	0.1097529	0.1168826
170	840131	650	0.1024383	0.1094662	0.1164940
171	840131	700	0.1000904	0.1074045	0.1147185
172	840131	710	0.1002563	0.1074599	0.1146636
173	840131	720	0.1004184	0.1075121	0.1146077
174	840131	730	0.0998516	0.1068721	0.1139066
175	840131	740	0.0989828	0.1059824	0.1129820
176	840131	750	0.0987187	0.1056274	0.1125362
177	840131	800	0.0991572	0.1059770	0.1127968
178	840131	810	0.0991835	0.1058050	0.1126266
179	840131	820	0.0986850	0.1053235	0.1119819
180	840131	830	0.0988886	0.1054538	0.1120189
181	840131	840	0.0985314	0.1050224	0.1115134
182	840131	850	0.0978495	0.1043024	0.1107552

REPORT SELECTIONS:

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N

## LEAK RATE ANALYSIS

0.1043%/DAY LEAKAGE OBSERVED AFTER 182 READINGS

LEAK RATE "BANDWIDTH": MIN IS 0.0000, MAX IS 0.1500

RDG	TIME	NORM WGT	EXP WGT	DEV/LEAK	OBS LEAK RATE	LEAK RATE LIMIT VIOL.
40	840121:850	1.000000	0.999931	-25.13	0.0000000	
41	840121:905	0.999984	0.999920	-69.63	0.0000000	
42	840121:920	0.999971	0.999909	52.34	1.0848236	*
43	840121:935	1.000031	0.999899	182.27	-0.2211761	*
44	840121:950	1.000106	0.999888	-300.24	-0.5015945	*
45	840121:1000	1.000050	0.999880	-234.77	-0.3862642	*
46	840121:1010	0.999895	0.999873	-23.87	-0.0882846	*
47	840121:1020	0.999863	0.999865	279.82	0.3032538	*
48	840121:1030	0.999805	0.999859	74.64	0.3443237	*
49	840121:1040	0.999933	0.999851	-112.74	0.2505271	*
50	840121:1050	1.000009	0.999844	-226.26	0.1397773	*
51	840121:1100	0.999999	0.999837	223.38	0.0730928	*
52	840121:1108	0.999865	0.999831	-47.23	0.0937153	*
53	840121:1120	0.999988	0.999822	-227.94	0.0528914	*
54	840121:1130	1.000013	0.999815	-272.35	0.0157385	*
55	840121:1140	1.000043	0.999808	321.39	-0.0193038	*
56	840121:1150	0.999979	0.999801	-245.88	-0.0243775	*
57	840121:1200	0.999867	0.999793	-101.22	0.0016144	*
58	840121:1210	0.999834	0.999786	-66.24	0.0278054	*
59	840121:1220	0.999701	0.999779	107.31	0.0746633	*
60	840121:1230	0.999585	0.999772	257.57	0.1306875	*
61	840121:1240	0.999688	0.999765	105.50	0.1529458	*
62	840121:1250	0.999617	0.999757	124.04	0.1726833	*
63	840121:1300	0.999431	0.999750	439.78	0.2259513	*
64	840121:1310	0.999562	0.999743	249.22	0.2416487	*
65	840121:1320	0.999712	0.999736	33.00	0.2330394	*
66	840121:1330	0.999775	0.999728	-64.68	0.2166654	*
67	840121:1340	0.999567	0.999721	74.39	0.2138206	*
68	840121:1350	0.999710	0.999714	4.94	0.055898	*
69	840121:1400	0.999674	0.999707	44.60	0.2009878	*
70	840121:1410	0.999680	0.999699	26.17	0.1954304	*
71	840121:1420	0.999729	0.999692	-51.51	0.1853699	*
72	840121:1430	0.999698	0.999685	-18.35	0.1786743	*
73	840121:1440	0.999604	0.999678	102.04	0.1794511	*
74	840121:1450	0.999582	0.999670	122.37	0.1806128	*
75	840121:1500	0.999673	0.999663	-13.25	0.1746490	*
76	840121:1510	0.999506	0.999656	206.38	0.1724070	*
77	840121:1520	0.999217	0.999649	596.44	0.2001190	*
78	840121:1530	0.999470	0.999641	236.50	0.2024945	*
79	840121:1540	0.999581	0.999634	721.74	0.1977144	*
80	840121:1550	0.999516	0.999627	153.72	0.1963001	*
81	840121:1600	0.999709	0.999620	-124.01	0.1846486	*
82	840121:1610	0.999384	0.999612	314.92	0.1896383	*
83	840121:1620	0.999323	0.999605	887.77	0.1959713	*
84	840121:1630	0.999596	0.999598	2.30	0.1891463	*
85	840121:1640	0.999552	0.999591	53.32	0.1844623	*
86	840121:1650	0.999592	0.999583	-12.51	0.1782592	*
87	840121:1700	0.999498	0.999576	108.22	0.1759206	*
88	840121:1710	0.999608	0.999569	-53.65	0.1694248	*
89	840121:1720	0.999613	0.999562	-70.61	0.1631046	*
90	840121:1730	0.999612	0.999554	-79.66	0.1571433	*
91	840121:1740	0.999652	0.999547	-144.91	0.1502173	*
92	840121:1750	0.999662	0.999540	-168.28	0.1434273	*
93	840121:1800	0.999626	0.999533	-128.21	0.1381571	*

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94	840121	1810	0.999524	0.999525	2.63	0.1361072
95	840121	1820	0.999394	0.999518	171.49	0.1376070
96	840121	1830	0.999576	0.999511	-90.27	0.1339102
97	840121	1840	0.999581	0.999504	-106.81	0.1300309
98	840121	1850	0.999727	0.999497	-318.38	0.1227499
99	840121	1900	0.999506	0.999489	-23.62	0.1213167
100	840121	1910	0.999442	0.999482	53.13	0.1213289
101	840121	1915	0.999509	0.999478	-41.80	0.1197564
102	840121	1930	0.999403	0.999468	89.79	0.1203474
103	840121	1940	0.999444	0.999460	23.04	0.1198502
104	840121	1950	0.999442	0.999473	-17.08	0.1192526
105	840121	2000	0.999485	0.999446	-54.15	0.1176870
106	840121	2010	0.999408	0.999439	41.64	0.1175871
107	840121	2020	0.999524	0.999431	-127.47	0.1151673
108	840121	2030	0.999481	0.999424	-78.50	0.1135711
109	840121	2040	0.999458	0.999417	-56.78	0.1124144
110	840121	2050	0.999545	0.999410	-187.29	0.1096930
111	840121	2100	0.999381	0.999402	29.87	0.1098345
112	840121	2110	0.999235	0.999395	221.03	0.1122210
113	840121	2120	0.999313	0.999388	103.11	0.1130499
114	840121	2130	0.999367	0.999381	19.09	0.1128609
115	840121	2140	0.999353	0.999373	28.64	0.1127916
116	840121	2150	0.999356	0.999365	13.74	0.1125412
117	840121	2200	0.999352	0.999359	8.89	0.1122593
118	840121	2210	0.999310	0.999352	37.85	0.1124880
119	840121	2220	0.999293	0.999344	76.61	0.1128165
120	840121	2230	0.999288	0.999337	67.83	0.1130817
121	840121	2240	0.999466	0.999330	-87.29	0.1109300
122	840121	2250	0.999397	0.999323	02.86	0.1096998
123	840121	2300	0.999413	0.999315	-134.22	0.1082718
124	840121	2310	0.999325	0.999308	-22.79	0.1079125
125	840121	2320	0.999360	0.999301	-81.63	0.1070718
126	840121	2330	0.999324	0.999294	-42.46	0.1066133
127	840121	2340	0.999309	0.999286	-30.94	0.1062782
128	840121	2350	0.999368	0.999279	-22.79	0.1052325
129	840121	0	0.999363	0.999272	-126.15	0.1042282
130	840121	10	0.999309	0.999265	-60.48	0.1037900
131	840121	20	0.999285	0.999258	-38.51	0.1035434
132	840121	30	0.999386	0.999250	-185.80	0.1022318
133	840121	40	0.999319	0.999243	-105.58	0.1015847
134	840121	50	0.999210	0.999236	34.89	0.1019604
135	840121	100	0.999242	0.999228	-18.84	0.1012466
136	840121	110	0.999180	0.999221	87.38	0.1024485
137	840121	120	0.999207	0.999214	9.06	0.1025926
138	840121	130	0.999150	0.999207	78.92	0.1031946
139	840121	140	0.999204	0.999200	-6.58	0.1032154
140	840121	150	0.999206	0.999192	-19.34	0.1031575
141	840121	200	0.999138	0.999185	64.27	0.1036092
142	840121	210	0.999160	0.999178	25.10	0.1039032
143	840121	220	0.999192	0.999171	-32.25	0.1036113
144	840121	230	0.999162	0.999163	2.06	0.1036864
145	840121	240	0.999217	0.999156	-84.51	0.1032338
146	840121	250	0.999204	0.999149	-75.62	0.1028743
147	840121	300	0.999122	0.999142	26.50	0.1030876
148	840121	310	0.999046	0.999134	-122.20	0.1037968
149	840121	320	0.998985	0.999127	125.77	0.1048514
150	840121	330	0.999080	0.999120	54.56	0.1051274
151	840121	340	0.999083	0.999113	41.47	0.1053230
152	840121	350	0.999004	0.999105	139.56	0.1059914
153	840121	400	0.998988	0.999098	52.57	0.1066874
154	840121	410	0.998968	0.999091	15.27	0.1074250
155	840121	420	0.998960	0.999084	170.75	0.1081303
156	840121	430	0.999018	0.999076	80.48	0.1083837
157	840121	440	0.999054	0.999069	20.41	0.1083509
158	840121	450	0.999032	0.999062	40.82	0.1084089

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159	84013	500	0.999069	0.999055	-19.26	0.1031989
160	84013	510	0.998970	0.999047	106.73	0.0954805
161	84013	520	0.998965	0.999040	103.19	0.096483
162	84013	530	0.998955	0.999033	105.77	0.098332
163	84013	540	0.998944	0.999026	-7.97	0.097885
164	84013	550	0.998934	0.999019	2.72	0.095892
165	84013	610	0.998895	0.998977	127.36	0.092676
166	84013	620	0.998890	0.998970	127.64	0.094695
167	84013	630	0.998887	0.998962	127.64	0.094695
168	84013	640	0.998880	0.998955	127.64	0.094695
169	84013	650	0.998870	0.998948	127.64	0.094695
170	84013	660	0.998860	0.998941	127.64	0.094695
171	84013	670	0.998850	0.998934	127.64	0.094695
172	84013	680	0.998840	0.998927	127.64	0.094695
173	84013	690	0.998830	0.998920	127.64	0.094695
174	84013	700	0.998820	0.998913	127.64	0.094695
175	84013	710	0.998810	0.998906	127.64	0.094695
176	84013	720	0.998800	0.998899	127.64	0.094695
177	84013	730	0.998790	0.998892	127.64	0.094695
178	84013	740	0.998780	0.998885	127.64	0.094695
179	84013	750	0.998770	0.998878	127.64	0.094695
180	84013	800	0.998720	0.998820	127.64	0.094695
181	84013	810	0.998710	0.998810	127.64	0.094695
182	84013	820	0.998700	0.998800	127.64	0.094695
183	84013	830	0.998690	0.998790	127.64	0.094695
184	84013	840	0.998680	0.998780	127.64	0.094695
185	84013	850	0.998670	0.998770	127.64	0.094695

REPORT SELECTIONS:

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## LEAK RATE NORMALIZED AIR WEIGHTS

REQ	TIME	ELAPSED MINUTES	TOTAL CONTAINMENT	LOWER-CONTAINMENT 28.8% BLDG VOLUME		UPPER-CONTAINMENT 58.7% BLDG VOLUME		ICE-CONDENSER 14.5% BLDG VOLUME	
40	40121	850	0	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000
41	40121	900	15	0.9999844	0.9999827	1.0001166	0.9995496	0.9995324	0.9995324
42	40121	920	30	0.9998714	0.9998718	0.9999314	0.9995324	0.9995324	0.9995324
43	40121	930	45	1.0000305	0.9998365	0.9998755	1.0009267	1.0009267	1.0009267
44	40121	950	60	1.0001056	0.9998537	0.9999170	1.0012216	1.0012216	1.0012216
45	40121	1000	70	1.0000504	0.9998437	0.9999778	1.0006624	1.0006624	1.0006624
46	40121	1010	80	0.9998248	0.9998802	1.0000900	0.9991787	0.9991787	0.9991787
47	40121	1020	90	0.9998534	0.9999821	0.9999460	0.9998089	0.9998089	0.9998089
48	40121	1030	100	0.9998046	1.0000772	0.9999234	0.9999115	0.9999115	0.9999115
49	40121	1040	110	0.9999331	0.9998266	0.9998320	1.0004633	1.0004633	1.0004633
50	40121	1050	120	1.0000086	0.9998431	0.9998453	1.0008865	1.0008865	1.0008865
51	40121	100	130	0.9999987	0.9997358	0.9998950	1.0008194	1.0008194	1.0008194
52	40121	108	138	0.9998654	0.9998461	0.9997073	1.0004806	1.0004806	1.0004806
53	40121	120	150	0.9999875	0.9996634	0.9998243	1.0011301	1.0011301	1.0011301
54	40121	130	160	1.0000126	0.9996462	0.9998249	1.0013159	1.0013159	1.0013159
55	40121	140	170	1.0000429	0.9995518	0.9998402	1.0018099	1.0018099	1.0018099
56	40121	150	180	0.9999768	0.9995538	0.9998057	1.0013260	1.0013260	1.0013260
57	40121	160	190	0.9998688	0.9995240	0.9997488	1.0008732	1.0008732	1.0008732
58	40121	170	200	0.9998342	0.9996240	0.9998337	1.0000628	1.0000628	1.0000628
59	40121	180	210	0.9997013	0.9995754	0.9998228	0.9994120	0.9994120	0.9994120
60	40121	190	220	0.9995852	0.9996814	0.9997012	0.9989241	0.9989241	0.9989241
61	40121	200	230	0.9996881	0.9996165	0.9998218	0.9993138	0.9993138	0.9993138
62	40121	210	240	0.9996167	0.9996554	0.9997971	0.9988862	0.9988862	0.9988862
63	40121	1300	250	0.9994318	0.9996085	0.9997018	0.9981395	0.9981395	0.9981395
64	40121	1310	260	0.9995517	0.9994739	0.9996666	0.9993107	0.9993107	0.9993107
65	40121	1320	270	0.9997115	0.9996130	0.9998560	1.0000615	1.0000615	1.0000615
66	40121	1330	280	0.9997751	0.9996594	0.9998209	0.9998002	0.9998002	0.9998002
67	40121	1340	290	0.9998672	0.9997084	0.9998181	0.9990444	0.9990444	0.9990444
68	40121	1350	300	0.9997102	0.9997763	0.9999350	0.9987705	0.9987705	0.9987705
69	40121	1400	310	0.9996743	0.9998725	1.0000317	0.9993024	0.9993024	0.9993024
70	40121	1410	320	0.9996803	0.9998257	1.0000373	0.9991506	0.9991506	0.9991506
71	40121	1420	330	0.9997284	0.9998589	1.0000709	0.9980883	0.9980883	0.9980883
72	40121	1430	340	0.9996981	0.9999539	1.0000276	0.9977920	0.9977920	0.9977920
73	40121	1440	350	0.9996037	0.9998966	1.0000306	0.9975400	0.9975400	0.9975400
74	40121	1450	360	0.9996817	0.9998055	0.9999418	0.9978796	0.9978796	0.9978796
75	40121	1500	370	0.9996727	0.9999141	1.0000205	0.9972985	0.9972985	0.9972985
76	40121	1510	380	0.9997064	0.9997422	1.0000924	0.9969503	0.9969503	0.9969503
77	40121	1520	390	0.9992186	0.9998206	0.9998416	0.9986415	0.9986415	0.9986415
78	40121	1530	400	0.9994701	0.9996854	0.9999421	0.9973691	0.9973691	0.9973691
79	40121	1540	410	0.9995818	0.9997384	1.0000034	0.9978855	0.9978855	0.9978855
80	40121	1550	420	0.9995155	0.9995174	0.9998945	0.9981133	0.9981133	0.9981133
81	40121	1600	430	0.9997095	0.9997042	0.9999397	0.9987247	0.9987247	0.9987247
82	40121	1610	440	0.9993843	0.9995567	0.9997359	0.9977956	0.9977956	0.9977956
83	40121	1620	450	0.9993271	0.9996784	0.9996836	0.9974719	0.9974719	0.9974719
84	40121	1630	460	0.9995962	0.9996645	0.9999260	0.9982654	0.9982654	0.9982654
85	40121	1640	470	0.9995521	0.9996549	0.9998311	0.9983507	0.9983507	0.9983507
86	40121	1650	480	0.9995925	0.9996121	0.9999125	0.9983786	0.9983786	0.9983786
87	40121	1700	490	0.9994777	0.9996210	0.9998231	0.9980911	0.9980911	0.9980911
88	40121	1710	500	0.9996078	0.9994223	0.9999328	0.9987174	0.9987174	0.9987174
89	40121	1720	510	0.9996128	0.9994855	0.9997674	0.9992541	0.9992541	0.9992541
90	40121	1730	520	0.9996122	0.9994744	0.9996951	0.9995355	0.9995355	0.9995355
91	40121	1740	530	0.9996521	0.9994853	0.9997622	0.9995913	0.9995913	0.9995913
92	40121	1750	540	0.9996619	0.9993887	0.9998377	0.9994678	0.9994678	0.9994678
93	40121	1800	550	0.9996256	0.9993890	0.9998407	0.9992255	0.9992255	0.9992255
94	40121	1810	560	0.9995236	0.9993992	0.9996885	0.9991220	0.9991220	0.9991220
95	40121	1820	570	0.9993940	0.9994439	0.9994892	0.9990332	0.9990332	0.9990332
96	40121	1830	580	0.9995764	0.9994303	0.9997702	0.9992104	0.9992104	0.9992104
97	40121	1840	590	0.9995811	0.9993299	0.9999919	0.9992214	0.9992214	0.9992214

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98	840121	1850	600	0.9997271	0.9994792	0.9999620	0.9992731
99	840121	1900	610	0.9995064	0.9993450	0.9997445	0.9988963
100	840121	1910	620	0.9994421	0.9993862	0.9996763	0.9986707
101	840121	1915	625	0.9995087	0.9993269	0.9997451	0.9989388
102	840121	1930	640	0.9994032	0.9993928	0.9995277	0.9989610
103	840121	1940	650	0.9994435	0.9994357	0.9995515	0.9990584
104	840121	1950	660	0.9994422	0.9993244	0.9996336	0.9989316
105	840121	2000	670	0.9994850	0.9994462	0.9996399	0.9989780
106	840121	2010	680	0.9994084	0.9991029	0.9996217	0.9991304
107	840121	2020	690	0.9995236	0.9993990	0.9996563	0.9992416
108	840121	2030	700	0.9994810	0.9991307	0.9997354	0.9991253
109	840121	2040	710	0.9994580	0.9994380	0.9996066	0.9989425
110	840121	2050	720	0.9995452	0.9993532	0.9998498	0.9987410
111	840121	2100	730	0.9993807	0.9994302	0.9995922	0.9984916
112	840121	2110	740	0.9992350	0.9993591	0.9995771	0.9977654
113	840121	2120	750	0.9993132	0.9992732	0.9995599	0.9984692
114	840121	2130	760	0.9993668	0.9993414	0.9995758	0.9986372
115	840121	2140	770	0.9993526	0.9992677	0.9995309	0.9988362
116	840121	2150	780	0.9993552	0.9993281	0.9995323	0.9987561
117	840121	2200	790	0.9993535	0.9992174	0.9996284	0.9985590
118	840121	2210	800	0.9993097	0.9993023	0.9996193	0.9981794
119	840121	2220	810	0.9992933	0.9993085	0.9995805	0.9982077
120	840121	2230	820	0.9992884	0.9992930	0.9994677	0.9985190
121	840121	2240	830	0.9994656	0.9992627	0.9997214	0.9988594
122	840121	2250	840	0.9993972	0.9991059	0.9996853	0.9988137
123	840121	2300	850	0.9994127	0.9992423	0.9996327	0.9988845
124	840121	2310	860	0.9993247	0.9991896	0.9995350	0.9986972
125	840121	2320	870	0.9993601	0.9991354	0.9995783	0.9989288
126	840121	2330	880	0.9993244	0.9992061	0.9994937	0.9988969
127	840121	2340	890	0.9993089	0.9991457	0.9994855	0.9989287
128	840121	2350	900	0.9993889	0.9991983	0.9995643	0.9989278
129	840121	0	910	0.9993634	0.9991507	0.9995200	0.9988813
130	840121	10	920	0.9993085	0.9992293	0.9995228	0.9986494
131	840121	20	930	0.9992854	0.9992039	0.9995542	0.9986636
132	840121	30	940	0.9993855	0.9990827	0.9998108	0.9983211
133	840121	40	950	0.9993194	0.9993377	0.9996391	0.9981089
134	840121	50	960	0.9992105	0.9991316	0.9996179	0.9978381
135	840121	100	970	0.9992421	0.9992923	0.9996834	0.9975297
136	840121	110	980	0.9991791	0.9992043	0.9997053	0.9971991
137	840121	120	990	0.9992074	0.9992846	0.9997030	0.9972497
138	840121	130	1000	0.9991495	0.9992748	0.9996517	0.9971718
139	840121	140	1010	0.9992043	0.9993367	0.9997696	0.9968973
140	840121	150	1020	0.9992063	0.9993797	0.9997993	0.9967288
141	840121	200	1030	0.9991385	0.9993123	0.9997469	0.9966034
142	840121	210	1040	0.9991596	0.9993786	0.9997211	0.9967223
143	840121	220	1050	0.9991990	0.9993636	0.9998403	0.9965578
144	840121	230	1060	0.9991618	0.9994524	0.9997645	0.9964533
145	840121	240	1070	0.9992173	0.9994029	0.9999178	0.9963222
146	840121	250	1080	0.9992036	0.9993863	0.9999801	0.9960332
147	840121	300	1090	0.9991224	0.9994985	0.9992339	0.9955004
148	840121	310	1100	0.9990458	0.9994519	1.0000115	0.9948060
149	840121	320	1110	0.9989853	0.9995403	1.0000405	0.9941658
150	840121	330	1120	0.9990804	0.9995286	1.0000994	0.9945724
151	840121	340	1130	0.9990824	0.9995707	1.0000453	0.9947162
152	840121	350	1140	0.9990043	0.9994492	1.0000154	0.9945312
153	840121	400	1150	0.9989874	0.9995940	1.0000222	0.9941585
154	840121	410	1160	0.9989683	0.9995327	1.0001267	0.9937523
155	840121	420	1170	0.9989600	0.9996126	1.0001437	0.9935037
156	840121	430	1180	0.9990181	0.9995781	1.0001817	0.9938676
157	840121	440	1190	0.9990544	0.9995822	1.0001716	0.9940511
158	840121	450	1200	0.9990323	0.9995957	1.0001046	0.9941361
159	840121	500	1210	0.9990686	0.9997060	1.0001923	0.9938795
160	840121	510	1220	0.9989701	0.9995873	1.0000918	0.9938012
161	840121	520	1230	0.9982654	0.9995644	1.0000546	0.9939473
162	840121	530	1240	0.9989853	0.9995113	1.0000288	0.9942576

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163	840131	540	0.9990358	0.9995543	1.0000273	0.9945120	
164	840131	550	0.9990740	0.9994045	1.0000632	0.9948725	
165	840131	600	0.9990093	0.9994741	0.9999442	0.9947837	
166	840131	610	0.9989153	0.9993719	0.9998931	0.9947654	
167	840131	620	0.9988900	0.9993841	0.9998955	0.9947061	
168	840131	630	0.9988072	0.9993504	0.9998270	0.9946400	
169	840131	640	0.9986865	0.9993122	0.9997529	0.9945110	
170	840131	650	0.9985225	0.9992643	0.9996731	0.9943509	
171	840131	700	0.9983507	0.9992045	1.0004680	0.9951263	
172	840131	710	0.9982311	0.9991847	0.9997816	0.9947462	
173	840131	720	0.9980522	0.9991498	0.9997831	0.9950074	
174	840131	730	0.9979125	0.9991426	0.9999907	0.9952462	
175	840131	740	0.9977127	0.9991110	0.9999824	0.9952842	
176	840131	800	0.9989922	0.9992554	0.9997891	0.9952889	
177	840131	810	0.9989225	0.9992521	0.9997322	0.9953847	
178	840131	820	0.9990309	0.9992364	0.9997040	0.9954656	
179	840131	830	0.9988661	0.9992867	0.9997295	0.9953807	
180	840131	840	0.9987874	0.9992085	0.9998927	0.9953038	
181	840131	850	0.9990529	0.9993009	0.9999273	0.9954122	
182	REPORT SELECTIONS:						
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WEIGHTED COMPARTMENT AVERAGES BY READING

RDG	LOWER-CONTAINMENT			UPPER-CONTAINMENT			ICE-CONDENSER		
	AVG TEMP	VAP PSIA	AVG PSIA	AVG TEMP	VAP PSIA	AVG PSIA	AVG TEMP	VAP PSIA	AVG PSIA
40	74.788	0.1305	29.4370	70.365	0.1255	29.4480	24.420	0.0198	29.4400
41	74.780	0.1304	29.4350	70.351	0.1248	29.4500	24.670	0.0197	29.4420
42	74.775	0.1300	29.4340	70.355	0.1240	29.4440	24.613	0.0197	29.4390
43	74.760	0.1299	29.4300	70.334	0.1238	29.4410	23.872	0.0198	29.4340
44	74.758	0.1295	29.4300	70.324	0.1242	29.4420	23.730	0.0197	29.4340
45	74.781	0.1295	29.4310	70.301	0.1237	29.4420	23.999	0.0197	29.4340
46	74.815	0.1296	29.4340	70.313	0.1237	29.4460	24.822	0.0198	29.4410
47	74.764	0.1294	29.4340	70.312	0.1240	29.4420	25.410	0.0198	29.4440
48	74.809	0.1291	29.4390	70.296	0.1235	29.4400	24.862	0.0198	29.4350
49	74.761	0.1291	29.4290	70.289	0.1236	29.4370	24.019	0.0198	29.4300
50	74.754	0.1290	29.4290	70.295	0.1239	29.4380	23.857	0.0198	29.4320
51	74.794	0.1290	29.4280	70.277	0.1234	29.4380	23.921	0.0199	29.4340
52	74.751	0.1281	29.4280	70.264	0.1216	29.4300	23.742	0.0206	29.4260
53	74.778	0.1279	29.4240	70.269	0.1219	29.4340	23.707	0.0198	29.4300
54	74.743	0.1284	29.4220	70.229	0.1222	29.4320	23.503	0.0198	29.4230
55	74.782	0.1280	29.4210	70.233	0.1224	29.4330	23.394	0.0198	29.4250
56	74.743	0.1281	29.4190	70.228	0.1228	29.4320	23.547	0.0198	29.4260
57	74.774	0.1282	29.4200	70.241	0.1227	29.4310	23.749	0.0198	29.4250
58	74.716	0.1284	29.4220	70.232	0.1227	29.4330	24.185	0.0198	29.4280
59	74.763	0.1281	29.4210	70.241	0.1235	29.4340	24.463	0.0199	29.4270
60	74.711	0.1281	29.4210	70.234	0.1235	29.4300	24.538	0.0200	29.4240
61	74.750	0.1278	29.4210	70.184	0.1237	29.4310	24.500	0.0200	29.4250
62	74.736	0.1275	29.4210	70.204	0.1231	29.4310	24.690	0.0200	29.4240
63	74.706	0.1275	29.4180	70.217	0.1234	29.4290	25.019	0.0201	29.4220
64	74.752	0.1277	29.4170	70.190	0.1229	29.4260	24.400	0.0201	29.4190
65	74.708	0.1272	29.4180	70.211	0.1231	29.4270	24.125	0.0202	29.4200
66	74.753	0.1275	29.4220	70.199	0.1230	29.4310	24.277	0.0202	29.4260
67	74.699	0.1280	29.4210	70.189	0.1230	29.4310	24.610	0.0202	29.4240
68	74.747	0.1273	29.4250	70.209	0.1230	29.4350	24.858	0.0203	29.4310
69	74.691	0.1276	29.4250	70.187	0.1234	29.4370	25.219	0.0203	29.4310
70	74.732	0.1277	29.4260	70.204	0.1233	29.4380	25.105	0.0204	29.4270
71	74.685	0.1274	29.4270	70.190	0.1231	29.4380	25.154	0.0204	29.4290
72	74.722	0.1275	29.4290	70.176	0.1230	29.4390	25.325	0.0205	29.4310
73	74.687	0.1271	29.4250	70.186	0.1225	29.4360	25.387	0.0204	29.4270
74	74.717	0.1271	29.4240	70.155	0.1227	29.4320	25.519	0.0205	29.4260
75	74.672	0.1274	29.4250	70.163	0.1226	29.4400	25.804	0.0206	29.4280
76	74.716	0.1270	29.4220	70.148	0.1230	29.4360	25.653	0.0208	29.4260
77	74.675	0.1270	29.4220	70.156	0.1225	29.4330	25.804	0.0206	29.4260
78	74.715	0.1267	29.4200	70.154	0.1229	29.4320	25.400	0.0207	29.4230
79	74.671	0.1267	29.4190	70.145	0.1225	29.4330	25.173	0.0207	29.4210
80	74.700	0.1265	29.4140	70.135	0.1233	29.4300	24.938	0.0207	29.4170
81	74.667	0.1268	29.4180	70.123	0.1221	29.4300	24.639	0.0208	29.4190
82	74.709	0.1268	29.4160	70.134	0.1230	29.4250	25.222	0.0208	29.4250
83	74.670	0.1264	29.4170	70.118	0.1230	29.4220	25.363	0.0209	29.4240
84	74.707	0.1268	29.4190	70.137	0.1223	29.4300	24.928	0.0209	29.4210
85	74.661	0.1266	29.4160	70.132	0.1223	29.4270	24.837	0.0209	29.4180
86	74.706	0.1264	29.4170	70.107	0.1223	29.4290	24.889	0.0209	29.4220
87	74.666	0.1263	29.4150	70.108	0.1223	29.4260	24.979	0.0209	29.4190
88	74.698	0.1264	29.4110	70.087	0.1228	29.4280	24.592	0.0209	29.4140
89	74.650	0.1262	29.4100	70.084	0.1228	29.4230	24.265	0.0210	29.4100
90	74.693	0.1262	29.4120	70.074	0.1225	29.4200	24.112	0.0210	29.4090
91	74.644	0.1261	29.4070	70.073	0.1224	29.4220	24.180	0.0210	29.4130
92	74.685	0.1261	29.4090	70.074	0.1223	29.4240	24.227	0.0210	29.4140
93	74.632	0.1260	29.4060	70.036	0.1223	29.4220	24.372	0.0210	29.4100
94	74.663	0.1260	29.4080	70.068	0.1221	29.4190	24.345	0.0210	29.4110
95	74.644	0.1260	29.4070	70.088	0.1223	29.4140	24.355	0.0211	29.4090
96	74.815	0.1257	29.4080	70.044	0.1220	29.4200	24.337	0.0210	29.4100
97	74.650	0.1257	29.4050	70.051	0.1220	29.4210	24.279	0.0211	29.4100
98	74.606	0.1258	29.4070	70.021	0.1216	29.4240	24.303	0.0211	29.4130

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99	74.643	0.1254	29.4050	70.027	0.1217	29.4180	24.436	0.0211	29.4100
100	74.609	0.1253	29.4040	70.028	0.1216	29.4160	24.512	0.0212	29.4080
101	74.641	0.1253	29.4040	69.991	0.1216	29.4160	24.333	0.0212	29.4050
102	74.592	0.1251	29.4030	70.028	0.1216	29.4150	24.357	0.0212	29.4070
103	74.595	0.1246	29.4040	70.016	0.1216	29.4150	24.308	0.0212	29.4070
104	74.627	0.1251	29.4030	69.993	0.1216	29.4160	24.368	0.0212	29.4070
105	74.580	0.1252	29.4040	69.978	0.1216	29.4150	24.346	0.0212	29.4070
106	74.617	0.1253	29.3960	69.969	0.1216	29.4140	24.223	0.0212	29.4040
107	74.576	0.1249	29.4020	69.985	0.1216	29.4160	24.167	0.0213	29.4040
108	74.608	0.1249	29.3960	69.965	0.1216	29.4170	24.207	0.0213	29.4030
109	74.573	0.1248	29.4030	69.980	0.1216	29.4140	24.351	0.0213	29.4070
110	74.603	0.1246	29.4020	69.963	0.1216	29.4200	24.441	0.0214	29.4060
111	74.564	0.1245	29.4020	69.956	0.1216	29.4130	24.579	0.0214	29.4070
112	74.537	0.1250	29.4000	69.924	0.1216	29.4100	24.848	0.0214	29.4020
113	74.538	0.1248	29.3990	69.919	0.1216	29.4090	24.490	0.0214	29.4010
114	74.571	0.1244	29.3980	69.910	0.1216	29.4090	24.409	0.0214	29.4010
115	74.531	0.1244	29.3970	69.902	0.1216	29.4070	24.296	0.0214	29.4000
116	74.568	0.1245	29.3970	69.919	0.1216	29.4080	24.317	0.0215	29.3990
117	74.519	0.1247	29.3960	69.908	0.1216	29.4100	24.430	0.0215	29.4000
118	74.555	0.1246	29.3980	69.877	0.1216	29.4080	24.581	0.0215	29.3980
119	74.495	0.1243	29.3940	69.877	0.1216	29.4070	24.583	0.0215	29.3990
120	74.509	0.1244	29.3940	69.877	0.1216	29.4030	24.366	0.0215	29.3980
121	74.553	0.1244	29.3920	69.832	0.1216	29.4080	24.242	0.0216	29.3980
122	74.500	0.1245	29.3930	69.855	0.1229	29.4080	24.219	0.0216	29.3950
123	74.527	0.1245	29.3930	69.829	0.1229	29.4050	24.204	0.0216	29.3960
124	74.540	0.1245	29.3920	69.849	0.1231	29.4040	24.211	0.0216	29.3910
125	74.493	0.1240	29.3910	69.827	0.1236	29.4040	24.182	0.0216	29.3960
126	74.522	0.1242	29.3910	69.834	0.1237	29.4010	24.163	0.0217	29.3940
127	74.482	0.1238	29.3900	69.840	0.1236	29.4010	24.148	0.0216	29.3940
128	74.523	0.1239	29.3910	69.817	0.1236	29.4020	24.149	0.0217	29.3940
129	74.472	0.1245	29.3910	69.823	0.1225	29.4030	24.204	0.0218	29.3960
130	74.517	0.1245	29.3880	69.825	0.1223	29.4010	24.249	0.0217	29.3920
131	74.456	0.1244	29.3820	69.787	0.1222	29.4000	24.509	0.0217	29.3960
132	74.469	0.1245	29.3910	69.805	0.1220	29.4080	24.420	0.0218	29.3970
133	74.506	0.1245	29.3900	69.765	0.1223	29.4010	24.527	0.0218	29.3930
134	74.460	0.1243	29.3920	69.799	0.1220	29.4020	24.675	0.0218	29.3940
135	74.503	0.1245	29.3920	69.784	0.1219	29.4030	24.841	0.0218	29.3950
136	74.470	0.1239	29.3920	69.768	0.1221	29.4040	24.033	0.0219	29.3970
137	74.496	0.1239	29.3920	69.775	0.1218	29.4030	24.975	0.0219	29.3950
138	74.489	0.1244	29.3920	69.772	0.1221	29.4020	24.045	0.0220	29.3970
139	74.446	0.1243	29.3950	69.785	0.1223	29.4060	24.162	0.0220	29.3980
140	74.485	0.1243	29.3940	69.769	0.1223	29.4060	24.276	0.0220	29.3980
141	74.444	0.1243	29.3940	69.765	0.1221	29.4040	24.354	0.0220	29.3990
142	74.477	0.1246	29.3940	69.744	0.1220	29.4020	24.262	0.0221	29.3970
143	74.426	0.1242	29.3950	69.724	0.1216	29.4040	24.341	0.0222	29.3970
144	74.471	0.1244	29.3950	69.736	0.1222	29.4030	24.391	0.0222	29.3970
145	74.468	0.1244	29.3950	69.733	0.1218	29.4070	24.474	0.0222	29.3980
146	74.428	0.1240	29.3960	69.738	0.1217	29.4090	24.627	0.0223	29.3990
147	74.461	0.1244	29.3970	69.724	0.1219	29.4070	24.887	0.0223	29.3990
148	74.417	0.1243	29.3970	69.701	0.1219	29.4080	24.242	0.0223	29.4000
149	74.446	0.1241	29.3970	69.679	0.1216	29.4070	24.571	0.0223	29.4010
150	74.402	0.1244	29.3980	69.696	0.1219	29.4100	24.354	0.0224	29.4000
151	74.446	0.1243	29.3970	69.689	0.1219	29.4080	24.251	0.0224	29.3980
152	74.402	0.1244	29.3960	69.720	0.1217	29.4090	24.390	0.0225	29.4010
153	74.402	0.1246	29.3980	69.717	0.1217	29.4090	24.573	0.0224	29.4010
154	74.440	0.1243	29.3980	69.685	0.1214	29.4100	24.783	0.0225	29.4020
155	74.392	0.1246	29.3980	69.687	0.1218	29.4110	24.908	0.0225	29.4020
156	74.434	0.1244	29.3990	69.682	0.1218	29.4110	24.728	0.0226	29.4020
157	74.394	0.1244	29.3970	69.682	0.1218	29.4110	24.824	0.0227	29.4030
158	74.421	0.1245	29.3990	69.709	0.1218	29.4130	24.624	0.0227	29.4030
159	74.381	0.1245	29.4000	69.691	0.1219	29.4100	24.679	0.0227	29.4070
160	74.422	0.1247	29.3990	69.661	0.1219	29.4110	24.747	0.0227	29.4030
161	74.378	0.1248	29.3980	69.694	0.1219	29.4100	24.776	0.0227	29.4030
162	74.410	0.1246	29.3980	69.680	0.1219	29.4070	24.858	0.0228	29.4000
163	74.387	0.1246	29.3960	69.660	0.1216	29.4060	24.184	0.0228	29.3920
164	74.387	0.1245	29.3950	69.641	0.1219	29.4050	24.327	0.0228	29.3970

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040127	1850	600	0.0559461	0.0548054	0.0553198	0.0607304
040128	1900	610	0.0559538	0.0547991	0.0553077	0.0607075
040129	1950	620	0.0559615	0.0548003	0.0553039	0.0606938
040130	2000	630	0.0559692	0.0547971	0.0553078	0.0607101
040131	2050	640	0.0559769	0.0548007	0.0553253	0.0607114
040132	2100	650	0.0559846	0.0548031	0.0553270	0.0607173
040133	2150	660	0.0559923	0.0547970	0.0553016	0.0607095
040134	2200	670	0.0559999	0.0548038	0.0553019	0.0607124
040135	2250	680	0.0560076	0.0547848	0.0553009	0.0607217
040136	2300	690	0.0560153	0.0548010	0.0553028	0.0607295
040137	2350	700	0.0560230	0.0547863	0.0553072	0.0607214
040138	2400	710	0.0560307	0.0548002	0.0553001	0.0607103
040139	2450	720	0.0560384	0.0547985	0.0553135	0.0606980
040140	2500	730	0.0560461	0.0548028	0.0553297	0.0606929
040141	2550	740	0.0560538	0.0547989	0.0552985	0.0606398
040142	2600	750	0.0560615	0.0547941	0.0552975	0.0606815
040143	2650	760	0.0560692	0.0547979	0.0552984	0.0606917
040144	2700	770	0.0560769	0.0547938	0.0552952	0.0607038
040145	2750	780	0.0560846	0.0547970	0.0552980	0.0606990
040146	2800	790	0.0560923	0.0547911	0.0553013	0.0606870
040147	2850	800	0.0560999	0.0547957	0.0553008	0.0606639
040148	2900	810	0.0561076	0.0547915	0.0553286	0.0606652
040149	2950	820	0.0561153	0.0547954	0.0552924	0.0606806
040150	3000	830	0.0561230	0.0547935	0.0553054	0.0607052
040151	3050	840	0.0561307	0.0547850	0.0553044	0.0607028
040152	3100	850	0.0561384	0.0547934	0.0553015	0.0607068
040153	3150	860	0.0561461	0.0547896	0.0552972	0.0606905
040154	3200	870	0.0561538	0.0547884	0.0552985	0.0607095
040155	3250	880	0.0561615	0.0547905	0.0552938	0.0607075
040156	3300	890	0.0561692	0.0547872	0.0552934	0.0607095
040157	3350	900	0.0561769	0.0547900	0.0552978	0.0607094
040158	3400	910	0.0561846	0.0547874	0.0552992	0.0607066
040159	3450	920	0.0561923	0.0547917	0.0552955	0.0604925
040160	3500	930	0.0561999	0.0547813	0.0552978	0.0604933
040161	3550	940	0.0562076	0.0547837	0.0553114	0.0605725
040162	3600	950	0.0562153	0.0547777	0.0553012	0.0606596
040163	3650	960	0.0562230	0.0547864	0.0553007	0.0606432
040164	3700	970	0.0562307	0.0547952	0.0553043	0.0606344
040165	3750	980	0.0562384	0.0547904	0.0553055	0.0606043
040166	3800	990	0.0562461	0.0547948	0.0553054	0.0606074
040167	3850	1000	0.0562538	0.0547915	0.0553026	0.0606027
040168	3900	010	0.0562615	0.0547976	0.0553091	0.0605860
040169	3950	020	0.0562692	0.0548000	0.0553107	0.0605758
040170	4000	030	0.0562769	0.0547963	0.0553072	0.0605681
040171	4050	040	0.0562846	0.0547999	0.0553084	0.0605754
040172	4100	050	0.0562923	0.0547921	0.0553130	0.0605654
040173	4150	060	0.0562999	0.0548040	0.0553088	0.0605590
040174	4200	070	0.0563076	0.0548013	0.0553173	0.0605510
040175	4250	080	0.0563153	0.0548003	0.0553208	0.0605395
040176	4300	090	0.0563230	0.0548065	0.0553182	0.0605011
040177	4350	100	0.0563307	0.0548039	0.0553225	0.0604989
040178	4400	110	0.0563384	0.0548008	0.0553241	0.0604200
040179	4450	120	0.0563461	0.0548081	0.0553274	0.0604447
040180	4500	130	0.0563538	0.0548105	0.0553244	0.0604534
040181	4550	140	0.0563615	0.0548038	0.0553227	0.0604422
040182	4600	150	0.0563692	0.0548117	0.0553231	0.0604195
040183	4650	160	0.0563769	0.0548084	0.0553289	0.0603949
040184	4700	170	0.0563846	0.0548128	0.0553298	0.0603798
040185	4750	180	0.0563923	0.0548109	0.0553308	0.0604017
040186	4800	190	0.0563999	0.0548111	0.0553313	0.0604130
040187	4850	200	0.0564076	0.0548118	0.0553276	0.0604182
040188	4900	210	0.0564153	0.0548179	0.0553323	0.0604014
040189	4950	220	0.0564230	0.0548114	0.0553259	0.0603978
040190	5000	230	0.0564307	0.0548111	0.0553242	0.0604067
040191	5050	240	0.0564384	0.0548072	0.0553234	0.0604256

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63	840	31	540	0.055274	0.0548074	0.0553234	0.0604410
64	840	31	550	0.055276	0.0548013	0.0553254	0.0604429
65	840	31	600	0.055259	0.0548052	0.0553189	0.0604575
66	840	31	610	0.055247	0.0547995	0.0553201	0.0604640
67	840	31	620	0.055143	0.0548002	0.0553205	0.0604136
68	840	31	640	0.055327	0.0547978	0.0553201	0.0604890
69	840	31	650	0.055327	0.0547963	0.0553172	0.0604774
70	840	31	700	0.055350	0.0548016	0.0553477	0.0604784
71	840	31	710	0.055215	0.0547931	0.0553173	0.0604553
72	840	31	720	0.055213	0.0547866	0.0553098	0.0604754
73	840	31	730	0.055287	0.0547939	0.0553213	0.0604884
74	840	31	750	0.055318	0.0548062	0.0553213	0.0604857
75	840	31	800	0.055253	0.0547942	0.0553142	0.0604880
76	840	31	810	0.055161	0.0547932	0.0553008	0.0604970
77	840	31	820	0.055211	0.0547951	0.0553070	0.0604741
78	840	31	830	0.055179	0.0547959	0.0553165	0.0604990
79	840	31	840	0.055247	0.0547947	0.0553009	0.0604938
80	840	31	850	0.055284	0.0547957	0.0553178	0.0604913
81	840	31	850	0.055284	0.0547957	0.0553178	0.0604957

REPORT SELECTIONS

15/15



DUKE POWER COMPANY  
NORMALIZED AIR MASS

1.0005

1.0000

0.9995

0.9990

0.9985

0

5

10

15

20

25

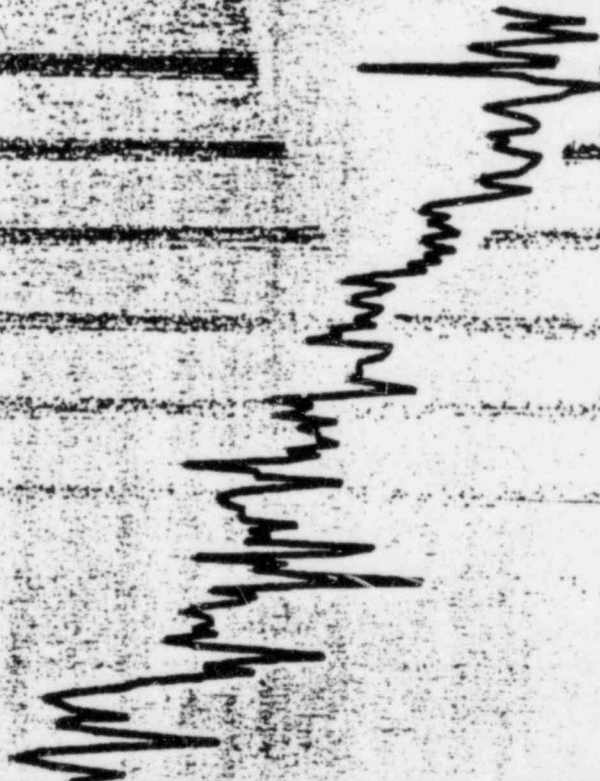
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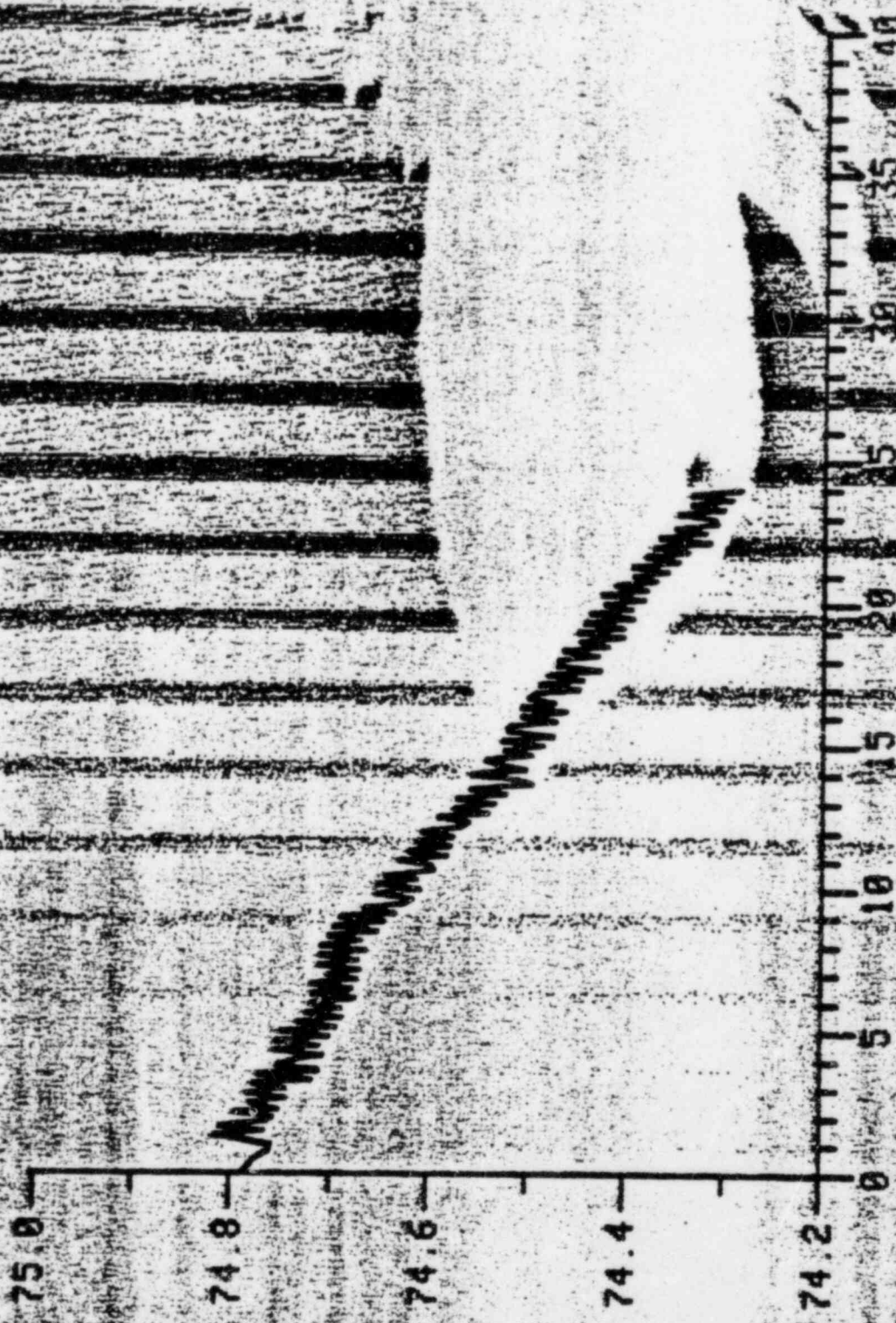
84012: 850 THRU 84013: 850

2/11



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DUKE POWER COMPANY  
LOWER CONTAINMENT TEMPERATURE

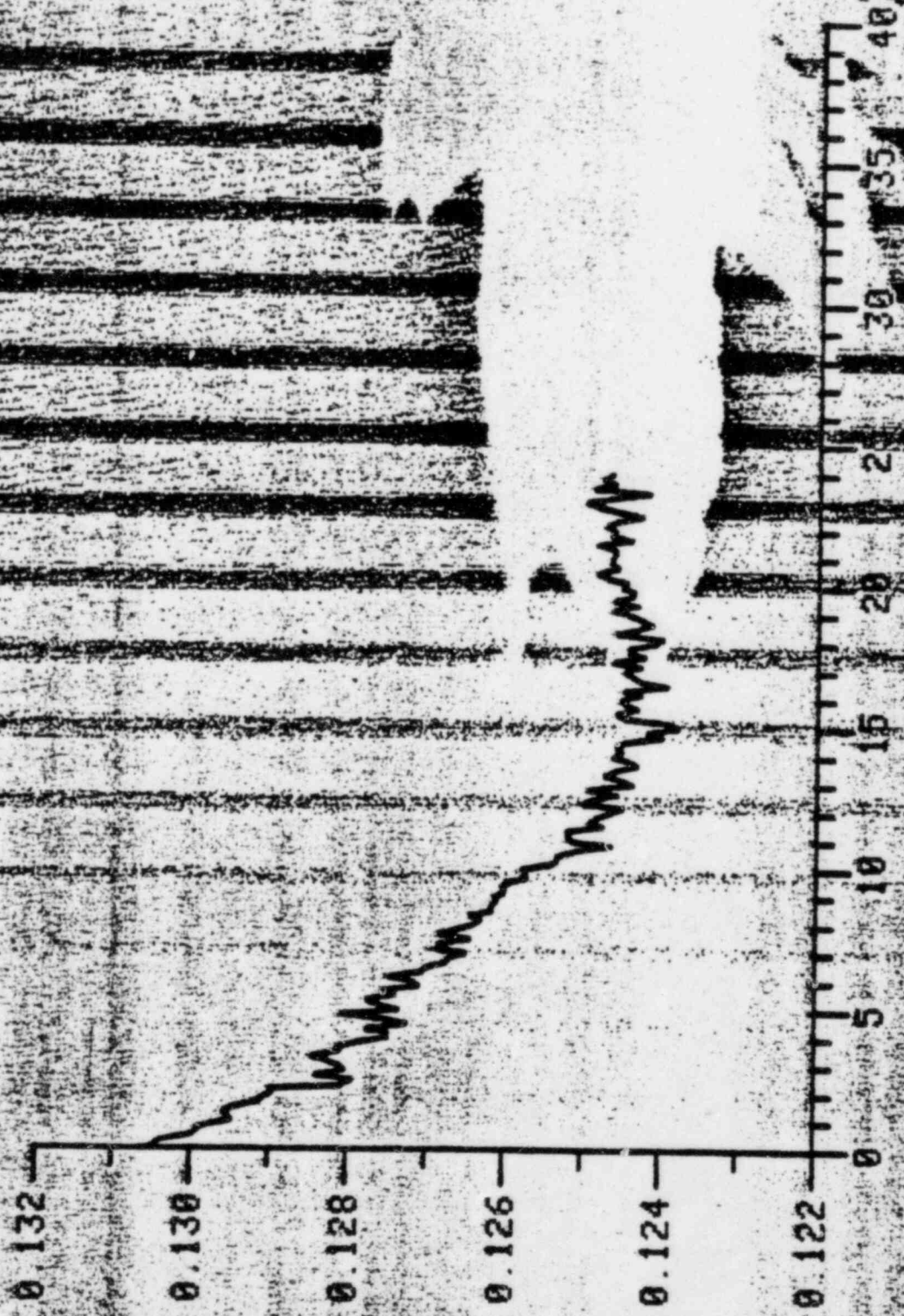


84012 850 THRU 84013 850



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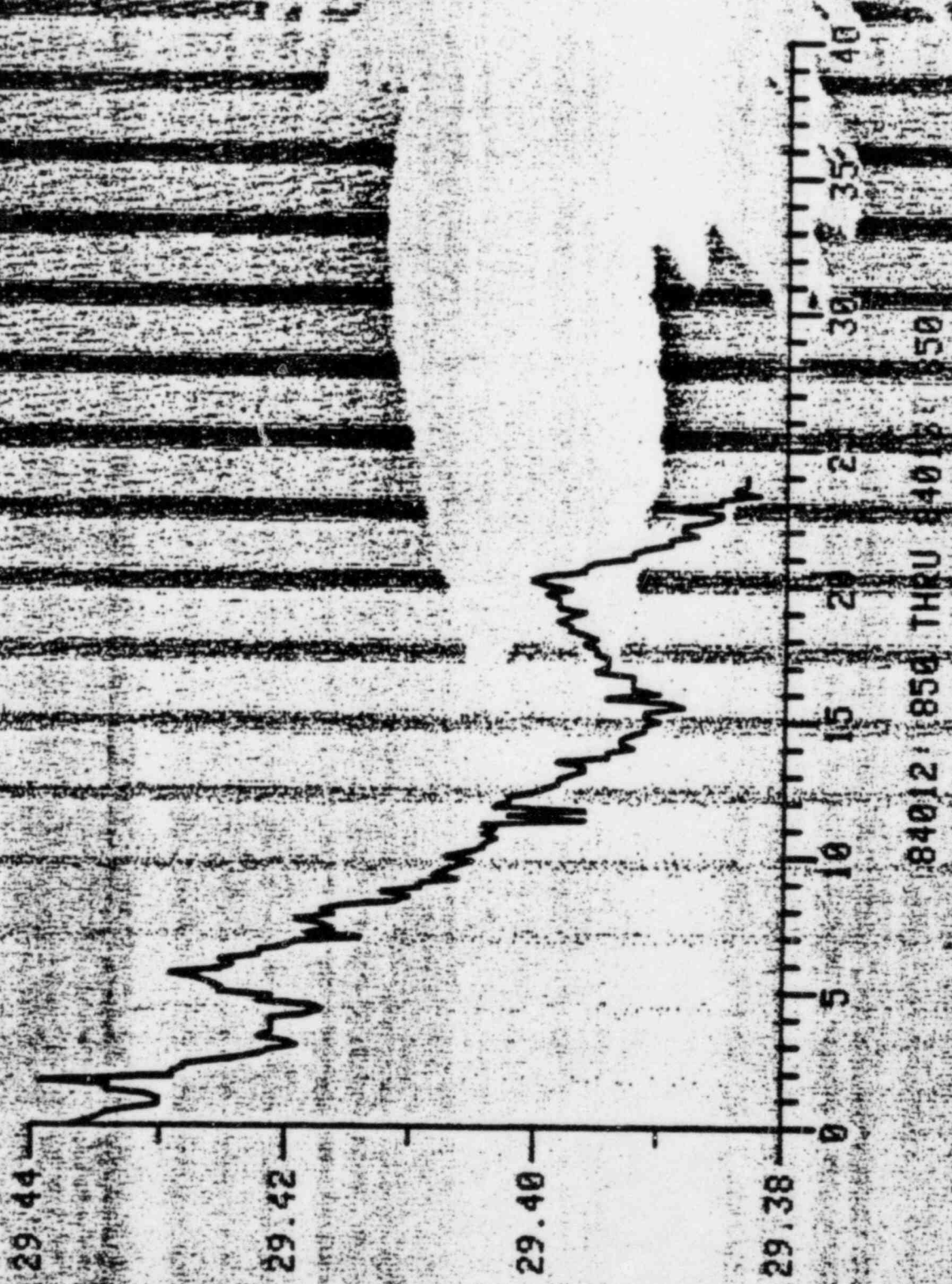
DUKE POWER COMPANY  
LOWER CONTAINMENT VAPOR PRESSURE



84012: 850 THRU 84013: 850

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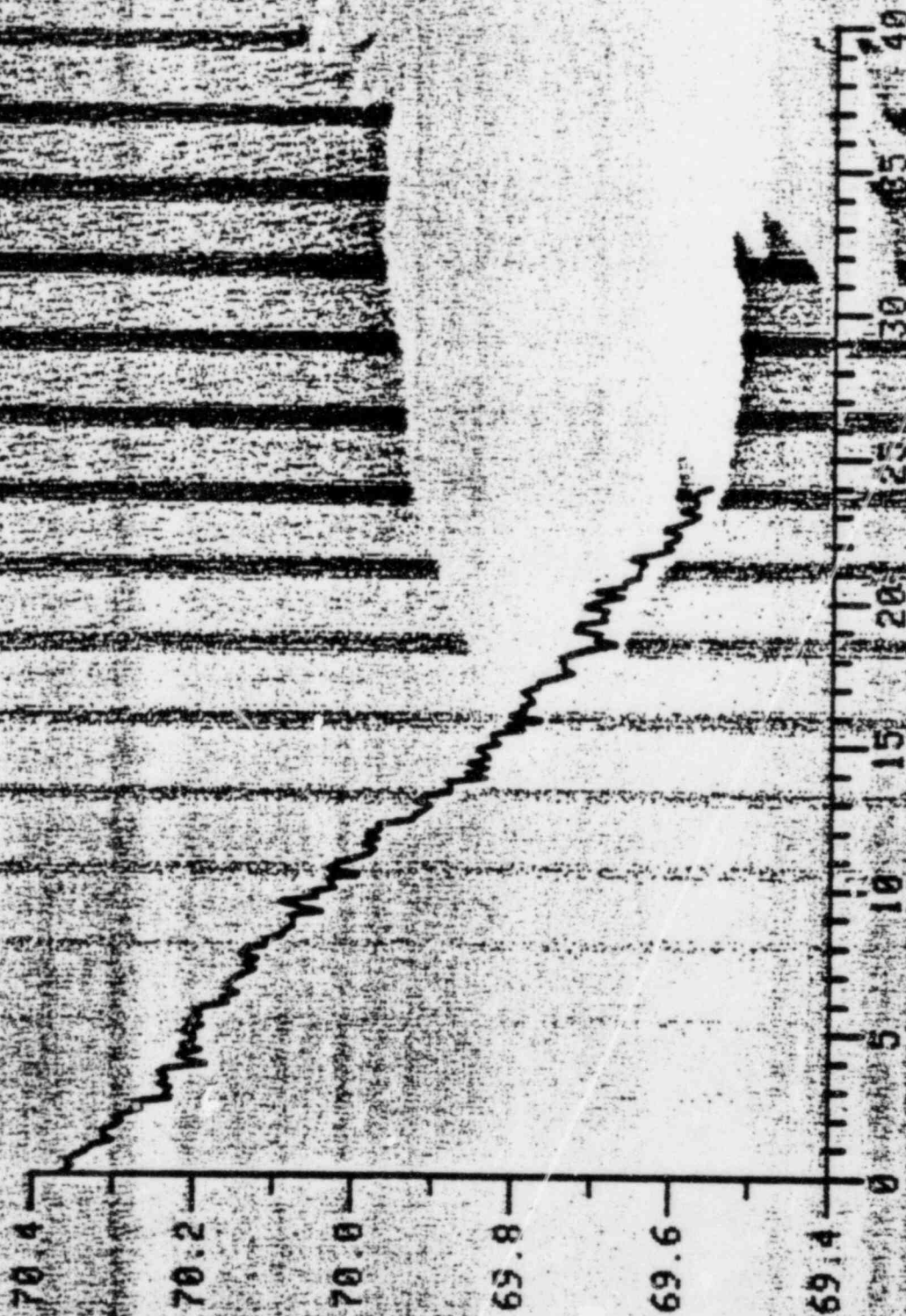
DUKE POWER COMPANY  
LOWER CONTAINMENT PRESSURE



84012: 850 THRU 84013: 850

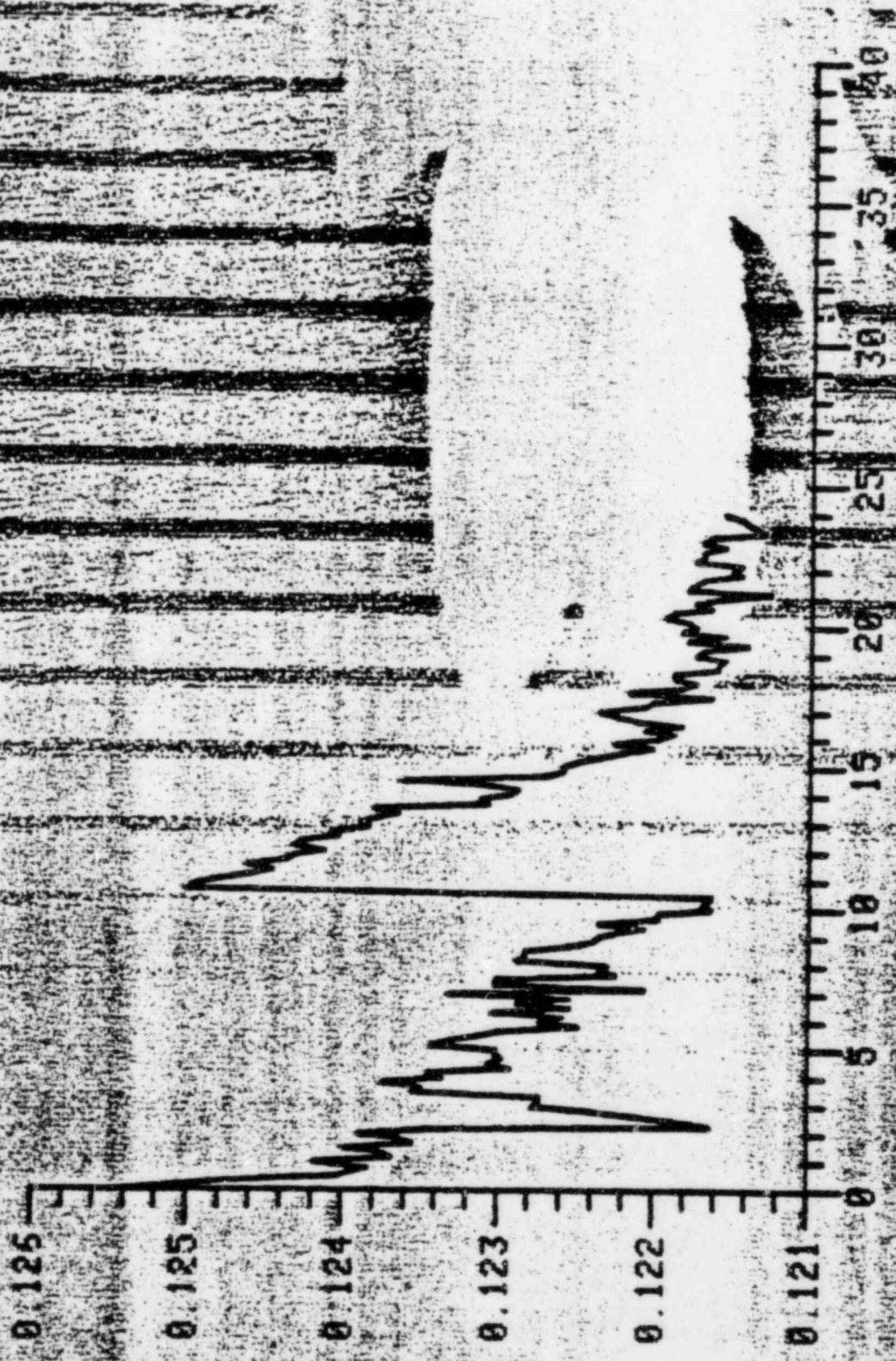
6/11

DUKE POWER COMPANY  
UPPER CONTAINMENT TEMPERATURE



84012: 850 THRU 84013: 810

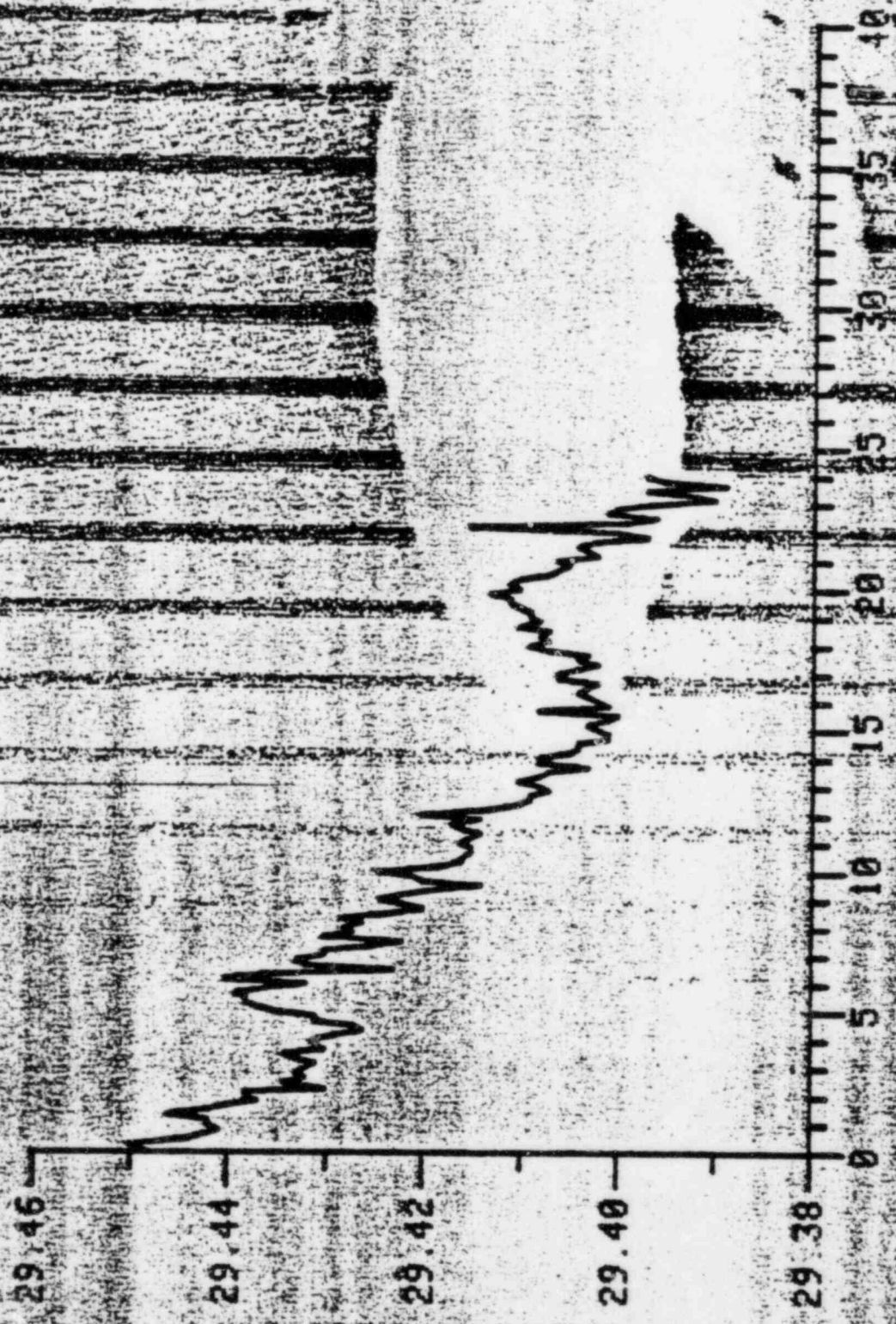
DUKE POWER COMPANY  
UPPER CONTAINMENT VAPOR PRESSURE



84012: 850 THRU 84013: 860

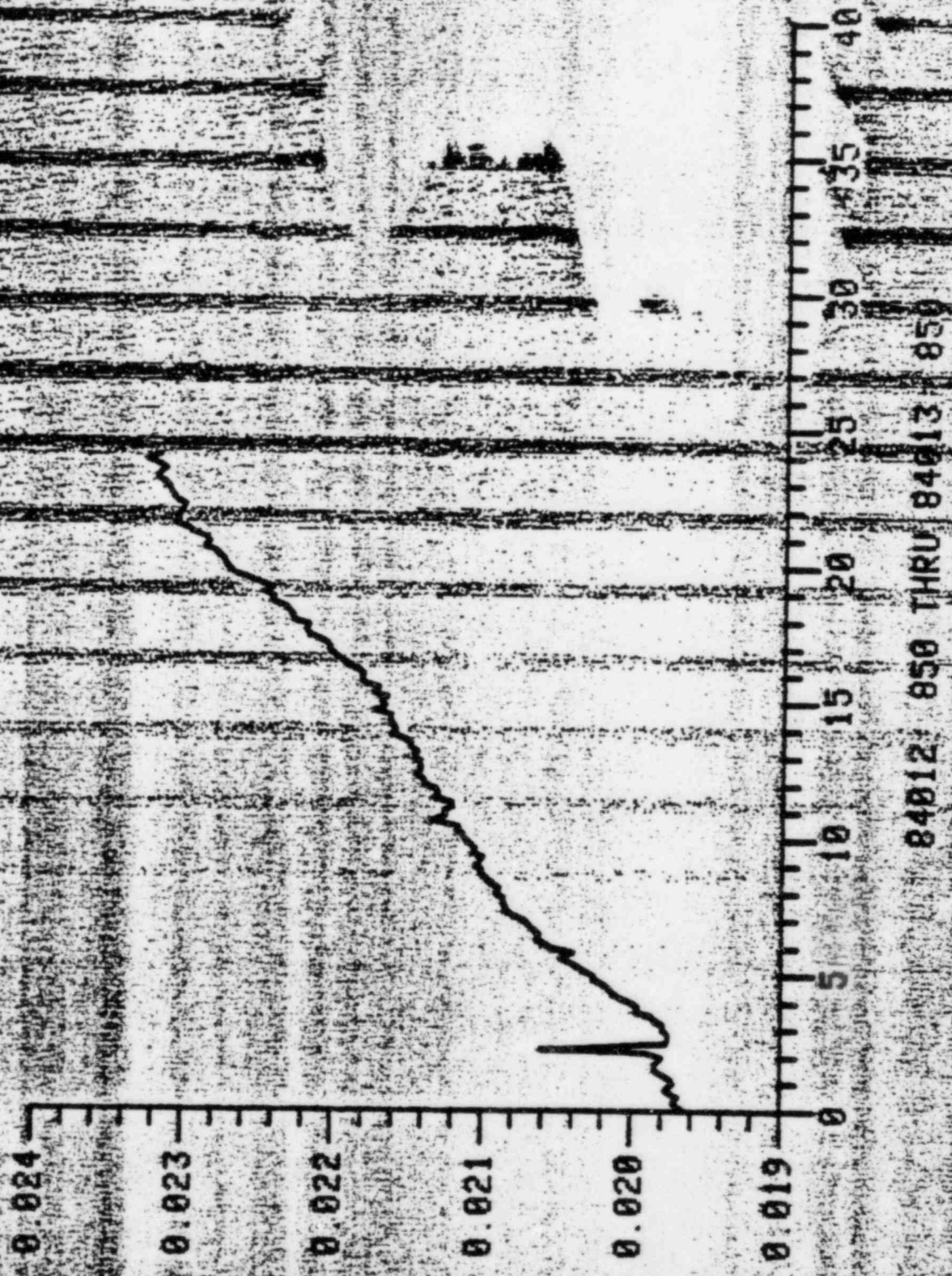
7/11

DUKE POWER COMPANY  
UPPER CONTAINMENT PRESSURE



84012: 850 THRU 84013: 850

DUKE POWER COMPANY  
ICE CONDENSER VAPOR PRESSURE



84012 850 THRU 84013 850

0.019

0.020

0.021

0.022

0.023

0.024

40

35

30

25

20

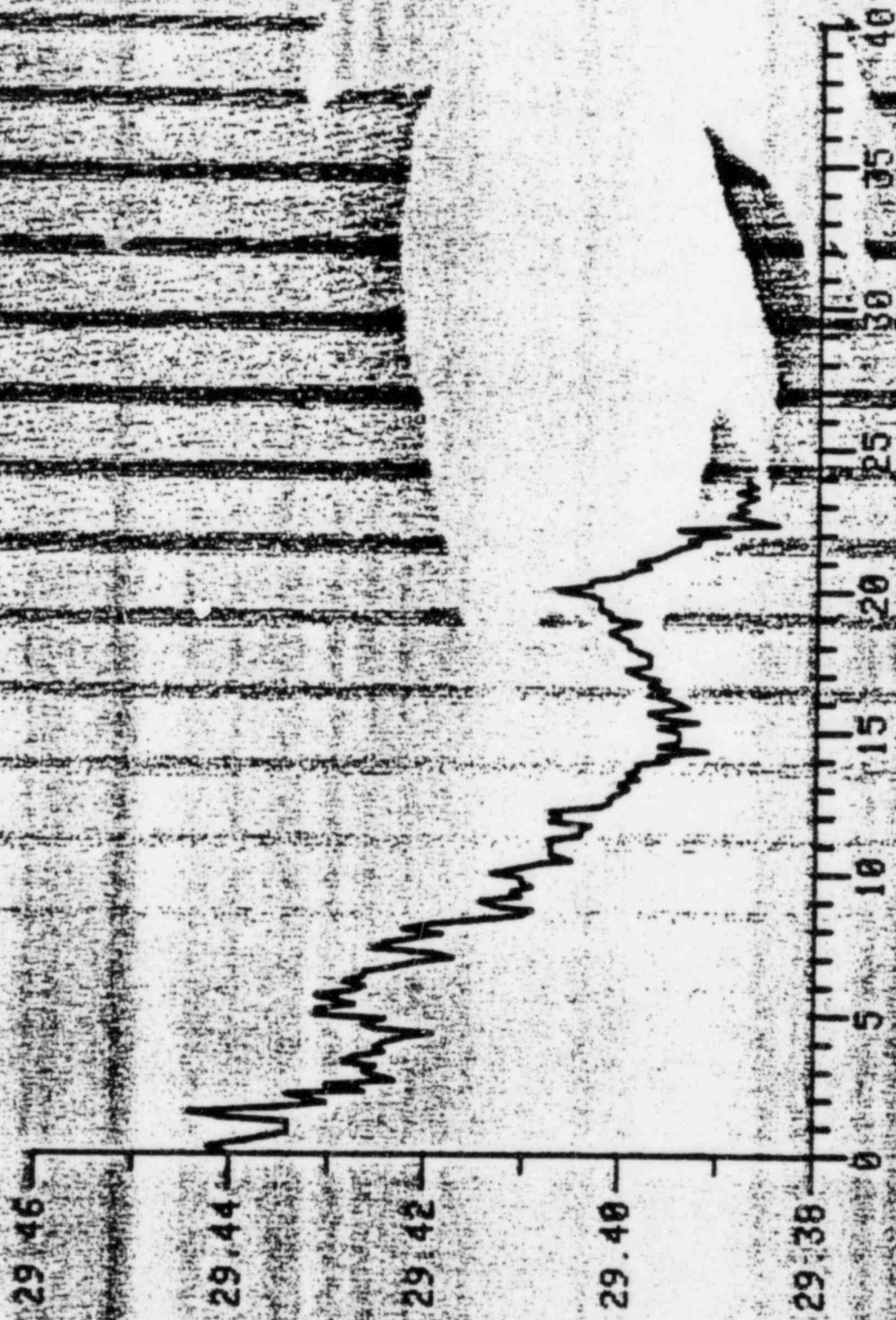
15

10

5

0

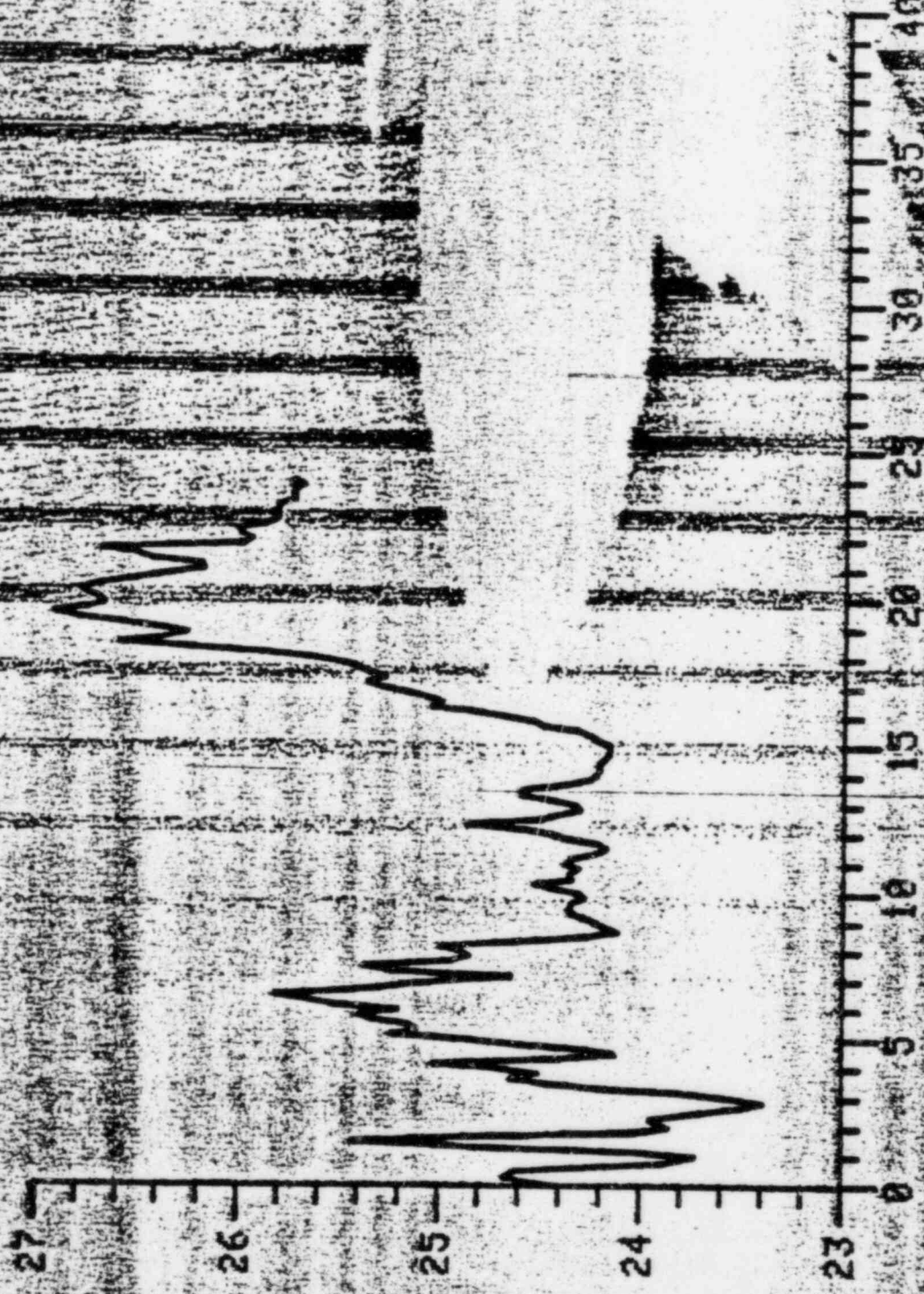
DUKE POWER COMPANY  
ICE CONDENSER PRESSURE



84012: 850 THRU 84013 850

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DUKE BOWER COMPANY  
ICE CONDENSER TEMPERATURE



84012:850 THRU 84013:850

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FULL PRESSURE VERIFICATION TEST RESULTS

191.226

RESULTS OF CONTAINMENT MASS FLOT ANALYSIS (X/DAY)

RDD NO	TIME DAY:HR	MINIMUM LEAK RATE	OBSERVED LEAK RATE	MAXIMUM LEAK RATE
191	840 3 10 20	0.000000	0.000000	0.000000
192	840 3 10 30	0.000000	0.000000	0.000000
193	840 3 10 40	0.000000	0.574631	1.2620728
194	840 3 10 50	0.000000	0.719641	0.000000
195	840 3 11 00	0.000000	0.3122349	0.9062256
196	840 3 11 10	0.2817993	0.3171223	0.5564774
197	840 3 11 20	0.1261983	0.3508855	0.4748940
198	840 3 11 30	0.0852890	0.3707230	0.4681774
199	840 3 11 40	0.0527773	0.3529887	0.4151132
200	840 3 11 50	0.0272441	0.3169333	0.4952682
201	840 3 12 00	0.0556055	0.3270933	0.3654018
202	840 3 12 10	0.1867717	0.3291513	0.3458010
203	840 3 12 20	0.2003801	0.3250164	0.3270756
204	840 3 12 30	0.2299049	0.3072330	0.3103906
205	840 3 12 40	0.2447086	0.3529887	0.3065103
206	840 3 12 50	0.2462642	0.3169333	0.3251103
207	840 3 1 0 00	0.2290283	0.3270933	0.3571149
208	840 3 1 0 10	0.2282893	0.3270933	0.3338674
209	840 3 1 0 20	0.2112354	0.3270933	0.3327207
210	840 3 1 0 30	0.2032568	0.2714343	0.3270756
211	840 3 1 0 40	0.2044271	0.2700628	0.3103906
212	840 3 1 0 50	0.2100665	0.2607680	0.3065103
213	840 3 1 1 00	0.2232833	0.2775681	0.3251103
214	840 3 1 1 10	0.2364107	0.2802103	0.3270756
215	840 3 1 1 20	0.2462642	0.2905723	0.3571149
216	840 3 1 1 30	0.2506289	0.2651191	0.3338674
217	840 3 1 1 40	0.2524192	0.2983309	0.3327207
218	840 3 1 1 50	0.2640108	0.2983309	0.3327207

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191722

LEAK RATE ACCEPTANCE LIMITS ARE -0.0499 (MIN) AND 0.4000 (MAX). CHANGE V OR NI

LEAK RATE ANALYSIS

0.2984%/DAY LEAKAGE OBSERVED AFTER 226 READINGS

LEAK RATE "BANDWIDTH" I MIN IS -0.0422 MAX IS 0.4000

LRDO	TIME	NORM WGT	EXP WGT	DEV/LEAK	OBS	LEAK RATE	LEAK RATE	LEAK RATE
								LYNCH
191	840	31	0.00000	0.00012	53.90	0.000000	0.000000	
192	840	31	0.00012	0.00091	10.58	0.000000	0.000000	
193	840	31	0.00047	0.00070	18.78	0.000000	0.000000	
194	840	31	0.00091	0.00050	18.61	0.000000	0.000000	
195	840	31	0.00050	0.00000	28.75	0.000000	0.000000	
196	840	31	0.00000	0.00008	28.10	0.000000	0.000000	
197	840	31	0.00008	0.00067	0.55	0.000000	0.000000	
198	840	31	0.00067	0.00046	12.15	0.000000	0.000000	
199	840	31	0.00046	0.00025	35.14	0.000000	0.000000	
200	840	31	0.00025	0.00004	48.30	0.000000	0.000000	
201	840	31	0.00004	0.00084	72.08	0.000000	0.000000	
202	840	31	0.00084	0.00063	65.90	0.000000	0.000000	
203	840	31	0.00063	0.00021	32.76	0.000000	0.000000	
204	840	31	0.00021	0.00050	32.33	0.000000	0.000000	
205	840	31	0.00050	0.00001	30.32	0.000000	0.000000	
206	840	31	0.00001	0.00080	0.54	0.000000	0.000000	
207	840	31	0.00080	0.00059	2.89	0.000000	0.000000	
208	840	31	0.00059	0.00039	4.82	0.000000	0.000000	
209	840	31	0.00039	0.00018	4.10	0.000000	0.000000	
210	840	31	0.00018	0.00068	-28.10	0.000000	0.000000	
211	840	31	0.00068	0.00077	4.34	0.000000	0.000000	
212	840	31	0.00077	0.00056	27.93	0.000000	0.000000	
213	840	31	0.00056	0.00035	23.24	0.000000	0.000000	
214	840	31	0.00035	0.00014	31.55	0.000000	0.000000	
215	840	31	0.00014	0.00094	17.32	0.000000	0.000000	
216	840	31	0.00094	0.00073	19.42	0.000000	0.000000	
217	840	31	0.00073	0.00052	24.73	0.000000	0.000000	
218	840	31	0.00052	0.00032	46.26	0.000000	0.000000	
219	840	31	0.00032	0.00011	2.21	0.000000	0.000000	
220	840	31	0.00011	0.00090	10.71	0.000000	0.000000	
221	840	31	0.00090	0.00069	18.71	0.000000	0.000000	
222	840	31	0.00069	0.00048	32.10	0.000000	0.000000	
223	840	31	0.00048	0.00027	32.10	0.000000	0.000000	
224	840	31	0.00027	0.00007	18.71	0.000000	0.000000	
225	840	31	0.00007	0.00036	18.71	0.000000	0.000000	
226	840	31	0.00036	0.00016	18.71	0.000000	0.000000	

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LEAK RATE NORMALIZED AIR WEIGHTS

RDG	TIME	ELAPSED MINUTES	TOTAL CONTAINMENT	LOWER-CONTAINMENT 26.8% BLDG VOLUME	UPPER-CONTAINMENT 58.7% BLDG VOLUME	ICE-CONDENSED 14.5% BLDG VOLUME
191	040131	1030	0.000000	0.000000	1.000000	0.000000
192	040131	1036	0.001124	0.997681	1.000164	0.000977
193	040131	1040	0.000165	0.999711	0.999355	0.000783
194	040131	1050	0.000166	0.999705	0.999845	0.000763
195	040131	1100	0.000655	0.999345	0.999843	0.001803
196	040131	1110	0.000663	0.999338	0.999830	0.001819
197	040131	1130	0.000663	0.999338	0.999744	0.001764
198	040131	1150	0.000663	0.999338	0.999744	0.001764
199	040131	1200	0.000045	0.999955	0.999776	0.001578
200	040131	1210	0.000341	0.999659	0.999782	0.001580
201	040131	1220	0.000341	0.999659	0.999513	0.000926
202	040131	1230	0.000713	0.999287	0.999584	0.000906
203	040131	1240	0.000893	0.999107	0.999755	0.001977
204	040131	1250	0.000738	0.999262	0.999494	0.001373
205	040131	1300	0.000533	0.999467	0.999556	0.001194
206	040131	1310	0.000533	0.999467	0.999556	0.001194
207	040131	1320	0.000762	0.999238	0.999515	0.001196
208	040131	1330	0.000762	0.999238	0.999515	0.001196
209	040131	1340	0.000762	0.999238	0.999515	0.001196
210	040131	1350	0.000762	0.999238	0.999515	0.001196
211	040131	1400	0.000762	0.999238	0.999515	0.001196
212	040131	1410	0.000762	0.999238	0.999515	0.001196
213	040131	1420	0.000762	0.999238	0.999515	0.001196
214	040131	1430	0.000762	0.999238	0.999515	0.001196
215	040131	1440	0.000762	0.999238	0.999515	0.001196
216	040131	1450	0.000762	0.999238	0.999515	0.001196
217	040131	1500	0.000762	0.999238	0.999515	0.001196
218	040131	1510	0.000762	0.999238	0.999515	0.001196
219	040131	1520	0.000762	0.999238	0.999515	0.001196
220	040131	1530	0.000762	0.999238	0.999515	0.001196
221	040131	1540	0.000762	0.999238	0.999515	0.001196
222	040131	1550	0.000762	0.999238	0.999515	0.001196
223	040131	1600	0.000762	0.999238	0.999515	0.001196
224	040131	1610	0.000762	0.999238	0.999515	0.001196
225	040131	1620	0.000762	0.999238	0.999515	0.001196
226	040131	1630	0.000762	0.999238	0.999515	0.001196

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191.22A

WEIGHTED COMPARTMENT AVERAGES BY READING

RDO	LOWER-CONTAINMENT			UPPER-CONTAINMENT			ICE-CONDENSER			ICE-CONTAINER		
	AVG TEMP	AVG FSIA	VAP	AVG TEMP	AVG FSIA	VAP	AVG TEMP	AVG FSIA	VAP	AVG TEMP	AVG FSIA	VAP
191	74.250	3790	0.0233	74.250	3790	0.0233	74.250	3790	0.0233	74.250	3790	0.0233
192	74.237	3740	0.0233	74.237	3740	0.0233	74.237	3740	0.0233	74.237	3740	0.0233
193	74.233	3740	0.0233	74.233	3740	0.0233	74.233	3740	0.0233	74.233	3740	0.0233
194	74.230	3710	0.0233	74.230	3710	0.0233	74.230	3710	0.0233	74.230	3710	0.0233
195	74.216	3680	0.0233	74.216	3680	0.0233	74.216	3680	0.0233	74.216	3680	0.0233
196	74.214	3680	0.0233	74.214	3680	0.0233	74.214	3680	0.0233	74.214	3680	0.0233
197	74.212	3680	0.0233	74.212	3680	0.0233	74.212	3680	0.0233	74.212	3680	0.0233
198	74.209	3680	0.0233	74.209	3680	0.0233	74.209	3680	0.0233	74.209	3680	0.0233
199	74.204	3680	0.0233	74.204	3680	0.0233	74.204	3680	0.0233	74.204	3680	0.0233
200	74.203	3680	0.0233	74.203	3680	0.0233	74.203	3680	0.0233	74.203	3680	0.0233
201	74.202	3680	0.0233	74.202	3680	0.0233	74.202	3680	0.0233	74.202	3680	0.0233
202	74.202	3680	0.0233	74.202	3680	0.0233	74.202	3680	0.0233	74.202	3680	0.0233
203	74.202	3680	0.0233	74.202	3680	0.0233	74.202	3680	0.0233	74.202	3680	0.0233
204	74.202	3680	0.0233	74.202	3680	0.0233	74.202	3680	0.0233	74.202	3680	0.0233
205	74.202	3680	0.0233	74.202	3680	0.0233	74.202	3680	0.0233	74.202	3680	0.0233
206	74.202	3680	0.0233	74.202	3680	0.0233	74.202	3680	0.0233	74.202	3680	0.0233
207	74.202	3680	0.0233	74.202	3680	0.0233	74.202	3680	0.0233	74.202	3680	0.0233
208	74.202	3680	0.0233	74.202	3680	0.0233	74.202	3680	0.0233	74.202	3680	0.0233
209	74.202	3680	0.0233	74.202	3680	0.0233	74.202	3680	0.0233	74.202	3680	0.0233
210	74.202	3680	0.0233	74.202	3680	0.0233	74.202	3680	0.0233	74.202	3680	0.0233
211	74.202	3680	0.0233	74.202	3680	0.0233	74.202	3680	0.0233	74.202	3680	0.0233
212	74.202	3680	0.0233	74.202	3680	0.0233	74.202	3680	0.0233	74.202	3680	0.0233
213	74.202	3680	0.0233	74.202	3680	0.0233	74.202	3680	0.0233	74.202	3680	0.0233
214	74.202	3680	0.0233	74.202	3680	0.0233	74.202	3680	0.0233	74.202	3680	0.0233
215	74.202	3680	0.0233	74.202	3680	0.0233	74.202	3680	0.0233	74.202	3680	0.0233
216	74.202	3680	0.0233	74.202	3680	0.0233	74.202	3680	0.0233	74.202	3680	0.0233
217	74.202	3680	0.0233	74.202	3680	0.0233	74.202	3680	0.0233	74.202	3680	0.0233
218	74.202	3680	0.0233	74.202	3680	0.0233	74.202	3680	0.0233	74.202	3680	0.0233
219	74.202	3680	0.0233	74.202	3680	0.0233	74.202	3680	0.0233	74.202	3680	0.0233
220	74.202	3680	0.0233	74.202	3680	0.0233	74.202	3680	0.0233	74.202	3680	0.0233

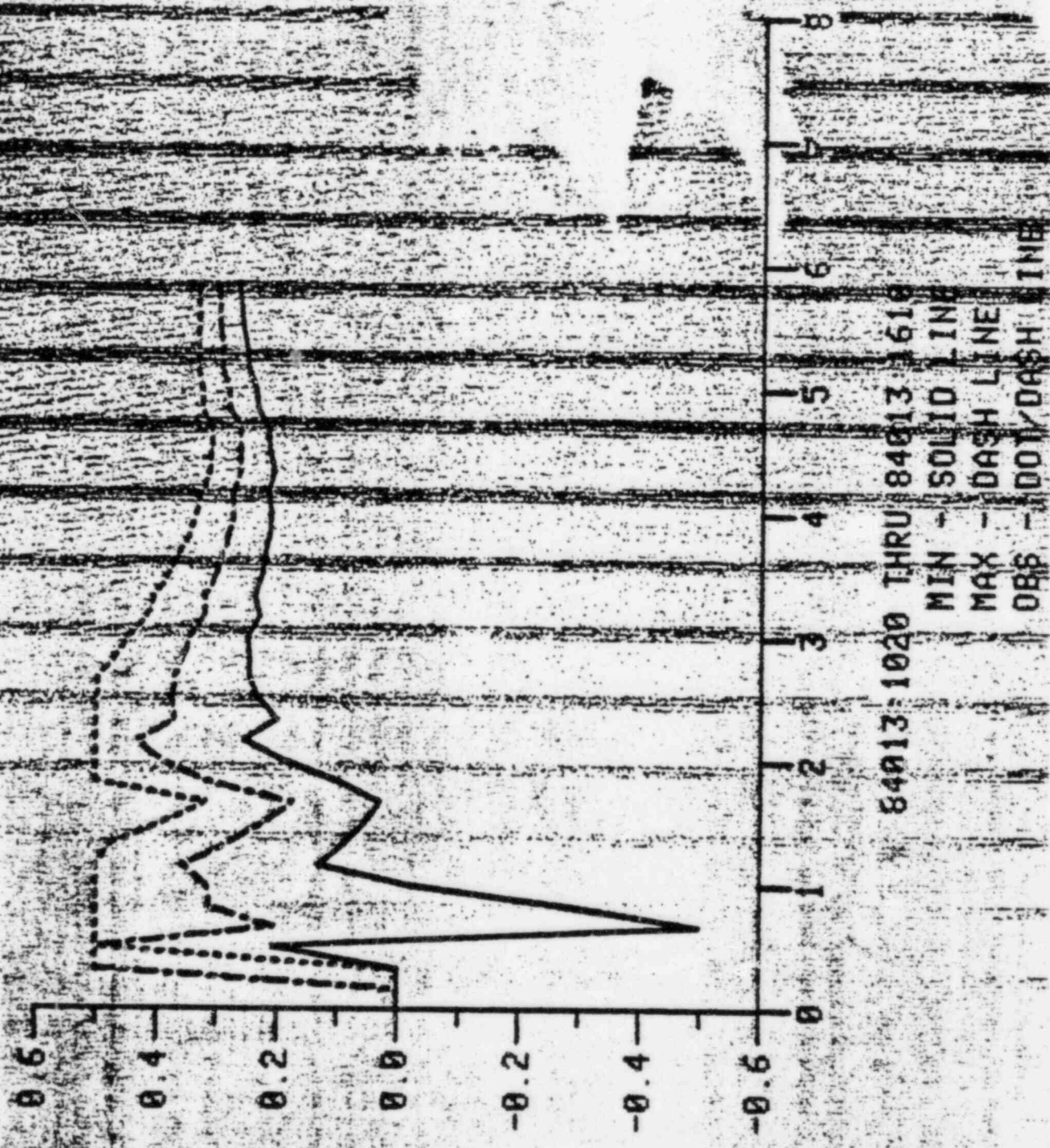
4/5

LEAK RATE CALCULATED AIR WEIGHTS

RDG	TIME	ELAPSED MINUTES	TOTAL CONTAINMENT	LOWER-CONTAINMENT 26.8% BLDG VOLUME	UPPER-CONTAINMENT 58.7% BLDG VOLUME	ICE-CONDENSER 14.5% BLDG VOLUME
191	8401311020	0	0.0559154	0.0547731	0.0552886	0.0605660
192	8401311030	10	0.0559214	0.0547603	0.0552977	0.0605961
193	8401311040	20	0.0559191	0.0547660	0.0552850	0.0606192
194	8401311050	30	0.0559159	0.0547625	0.0552801	0.0606244
195	8401311100	40	0.0559200	0.0547709	0.0552792	0.0606375
196	8401311110	50	0.0559151	0.0547539	0.0552793	0.0606376
197	8401311120	60	0.0559146	0.0547576	0.0552745	0.0606465
198	8401311130	70	0.0559120	0.0547499	0.0552714	0.0606554
199	8401311140	80	0.0559142	0.0547543	0.0552729	0.0606612
200	8401311150	90	0.0559153	0.0547450	0.0552759	0.0606688
201	8401311200	100	0.0559156	0.0547492	0.0552764	0.0606616
202	8401311210	110	0.0559005	0.0547439	0.0552618	0.0606261
203	8401311220	120	0.0559001	0.0547485	0.0552659	0.0606381
204	8401311230	130	0.0558993	0.0547526	0.0552691	0.06065719
205	8401311240	140	0.0559092	0.0547403	0.0552751	0.0606395
206	8401311250	150	0.0559007	0.0547424	0.0552607	0.0606349
207	8401311300	160	0.0559007	0.0547391	0.0552624	0.0606337
208	8401311310	170	0.0559016	0.0547428	0.0552651	0.0606222
209	8401311320	180	0.0559002	0.0547365	0.0552616	0.0606385
210	8401311330	190	0.0559026	0.0547415	0.0552623	0.0606449
211	8401311340	200	0.0558979	0.0547333	0.0552556	0.0606533
212	8401311350	210	0.0559012	0.0547340	0.0552582	0.0606639
213	8401311400	220	0.0558988	0.0547337	0.0552555	0.0606589
214	8401311410	230	0.0558995	0.0547346	0.0552540	0.0606685
215	8401311420	240	0.0558975	0.0547292	0.0552542	0.0606612
216	8401311430	250	0.0558944	0.0547328	0.0552525	0.0606440
217	8401311440	260	0.0558983	0.0547381	0.0552549	0.0606500
218	8401311450	270	0.0558921	0.0547307	0.0552497	0.0606417
219	8401311500	280	0.0558920	0.0547325	0.0552490	0.0606405
220	8401311510	290	0.0558808	0.0547150	0.0552414	0.0606264
221	8401311520	300	0.0558867	0.0547325	0.0552527	0.0605889
222	8401311530	310	0.0558904	0.0547227	0.0552398	0.0606160
223	8401311540	320	0.0558848	0.0547128	0.0552444	0.0606327
224	8401311550	330	0.0558808	0.0547200	0.0552390	0.0606270
225	8401311600	340	0.0558822	0.0547176	0.0552413	0.0606319
226	8401311610	350	0.0558791	0.0547144	0.0552412	0.0606167

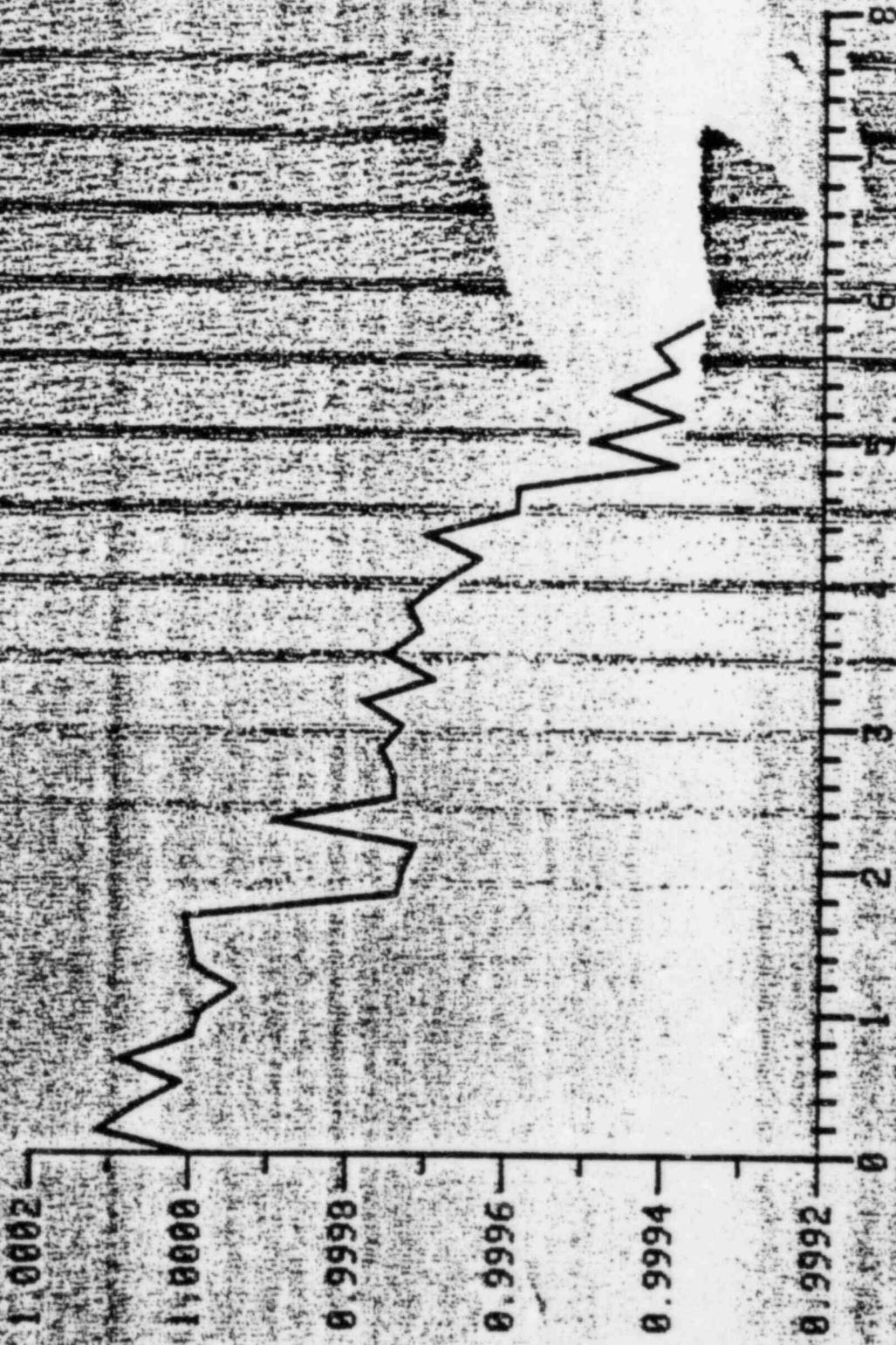
S/S

DUKE POWER COMPANY  
MASS PLOT ANALYSIS (MIN, OBS, MAX)



84013: 1020 THRU 84013: 1610  
MIN - SOLID LINE  
MAX - DASH LINE  
OBS - DOT/DASH LINE

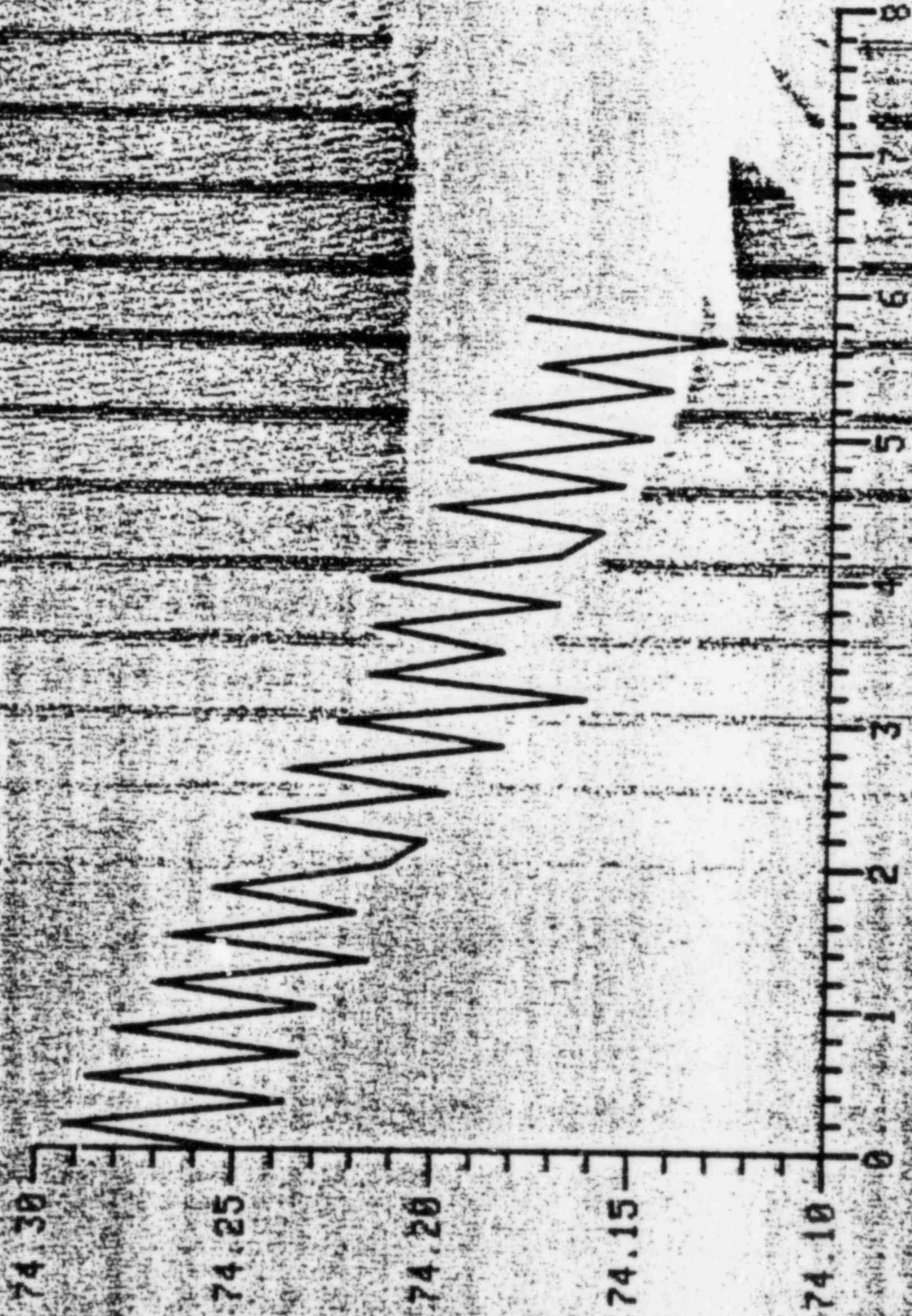
DUKE POWER COMPANY  
NORMALIZED AIR MASS



04013:1020 THRU 04013:1610



DUKE POWER COMPANY  
LOWER CONTAINMENT TEMPERATURE



84013:1020 THRU 84013:1610

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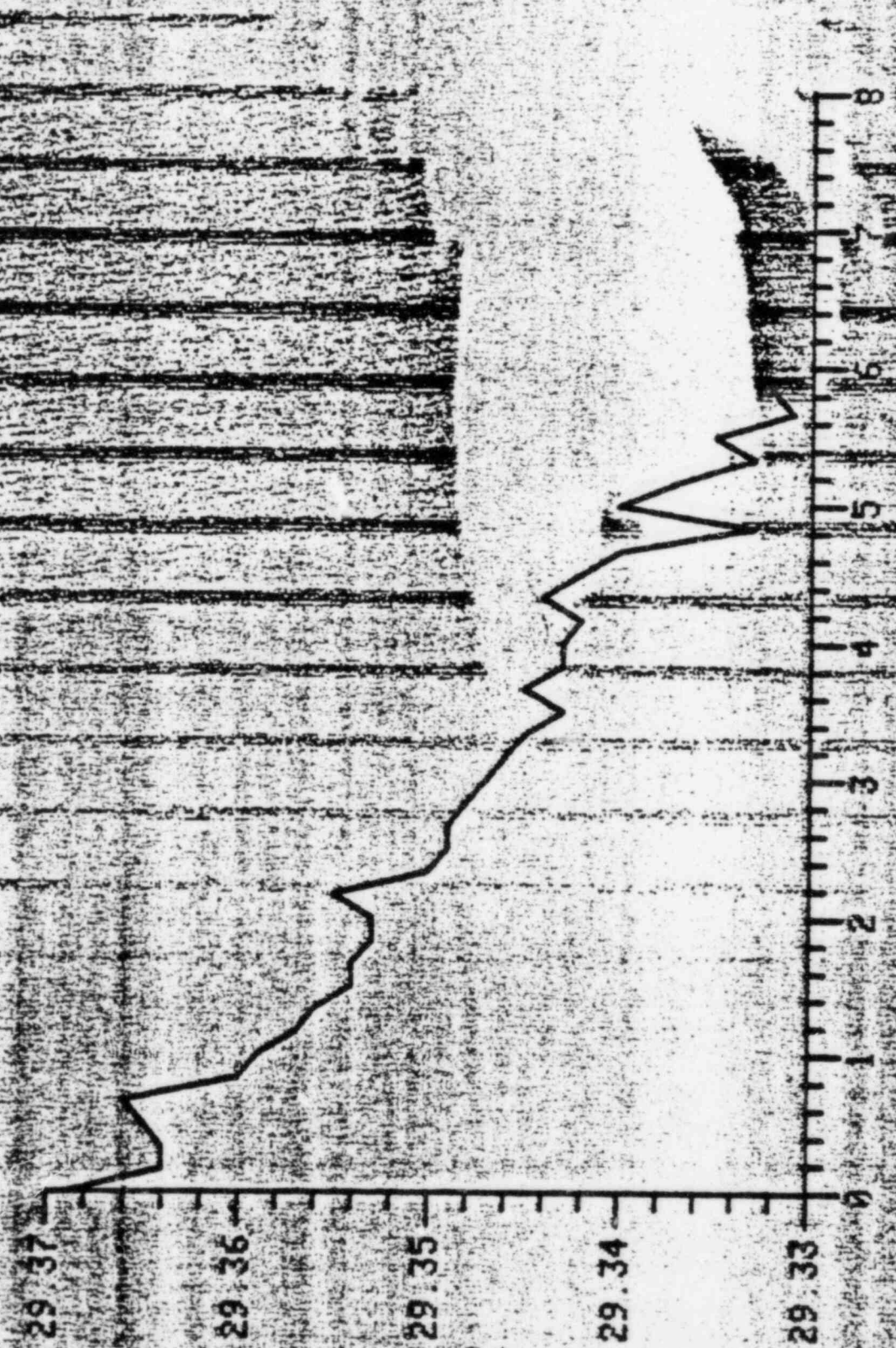
4/11

DUKE POWER COMPANY  
LOWER CONTAINMENT VAPOR PRESSURE



84013-1020 THRU 84013-1610

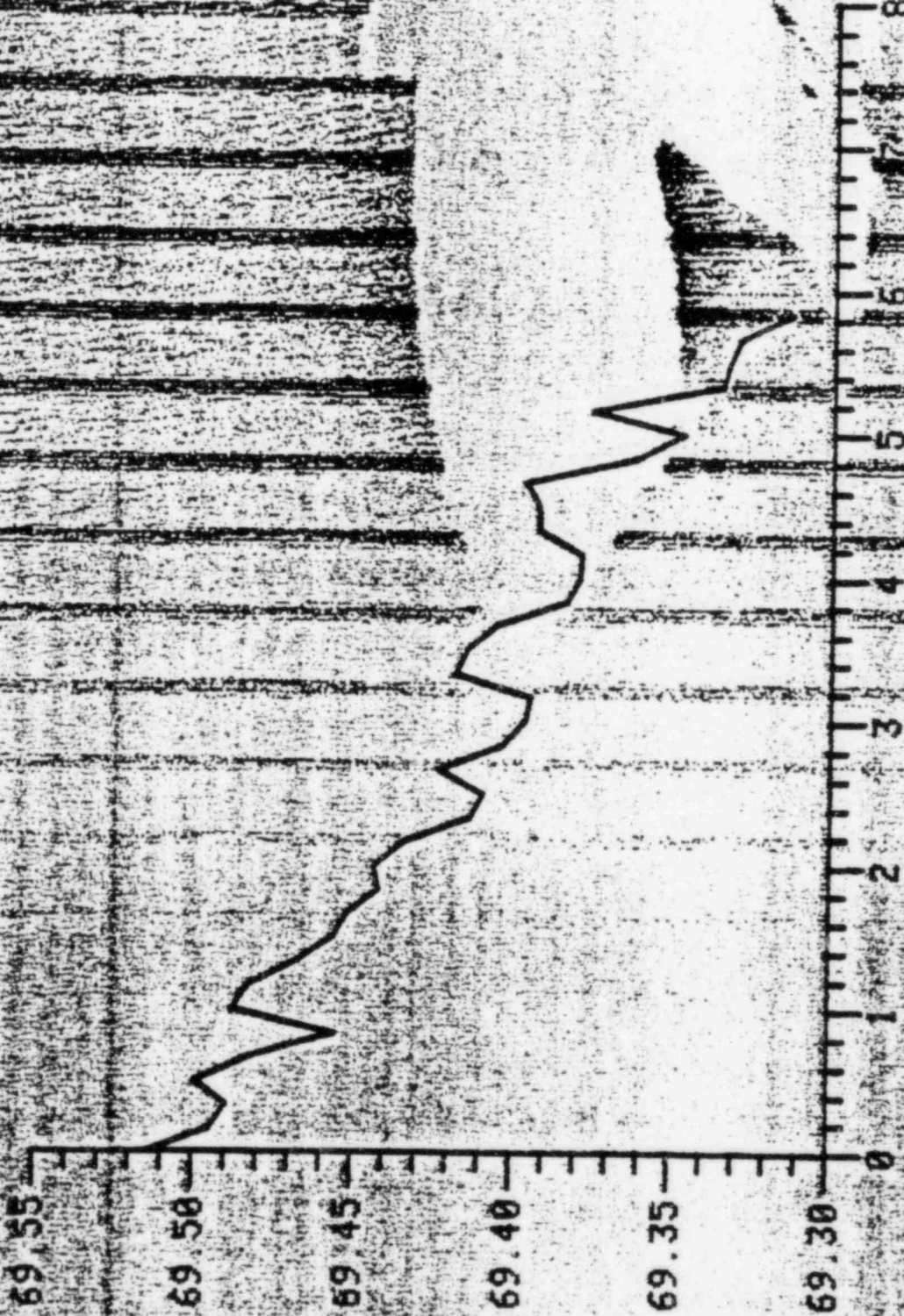
DUKE POWER COMPANY  
LOWER CONTAINMENT PRESSURE



84013: 1020 THRU 84013: 1610

The following information was obtained from the  
 Lower Containment Pressure (LCP) data for the  
 period 1020 to 1610 on 8/4/80. The LCP  
 was measured at the lower containment pressure  
 sensor located in the lower containment vessel.  
 The LCP was measured in units of psia. The  
 data shows a steady increase in LCP from  
 approximately 0.5 psia at 1020 to a peak  
 of approximately 7.5 psia at 1330, followed  
 by a sharp decrease to approximately 5.5  
 psia at 1335. The LCP then remained  
 relatively constant at approximately 5.5  
 psia until 1610.

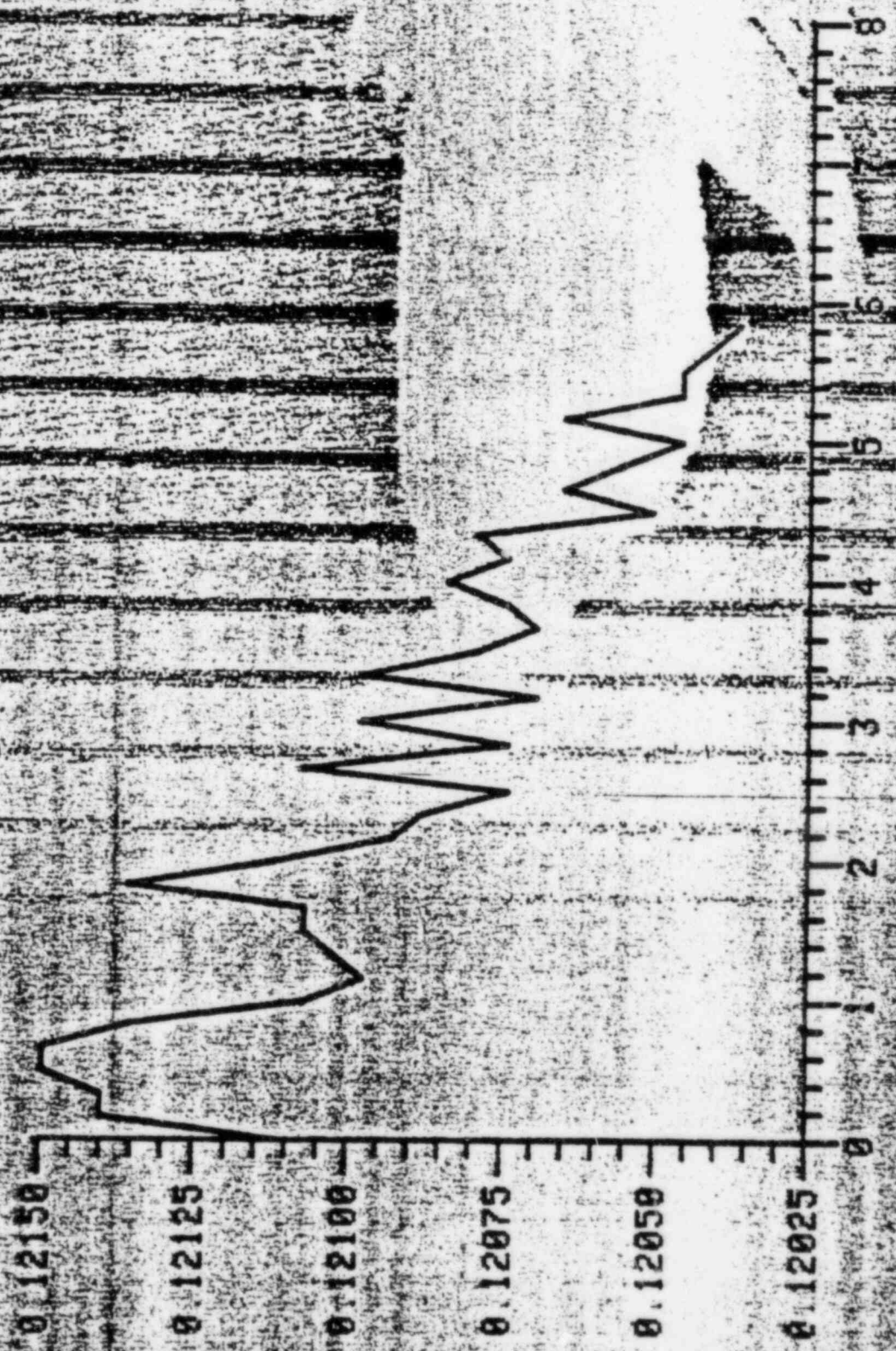
DUKE POWER COMPANY  
AT OMB  
UPPER CONTAINMENT TEMPERATURE



84013.1020 THRU 84013.1610

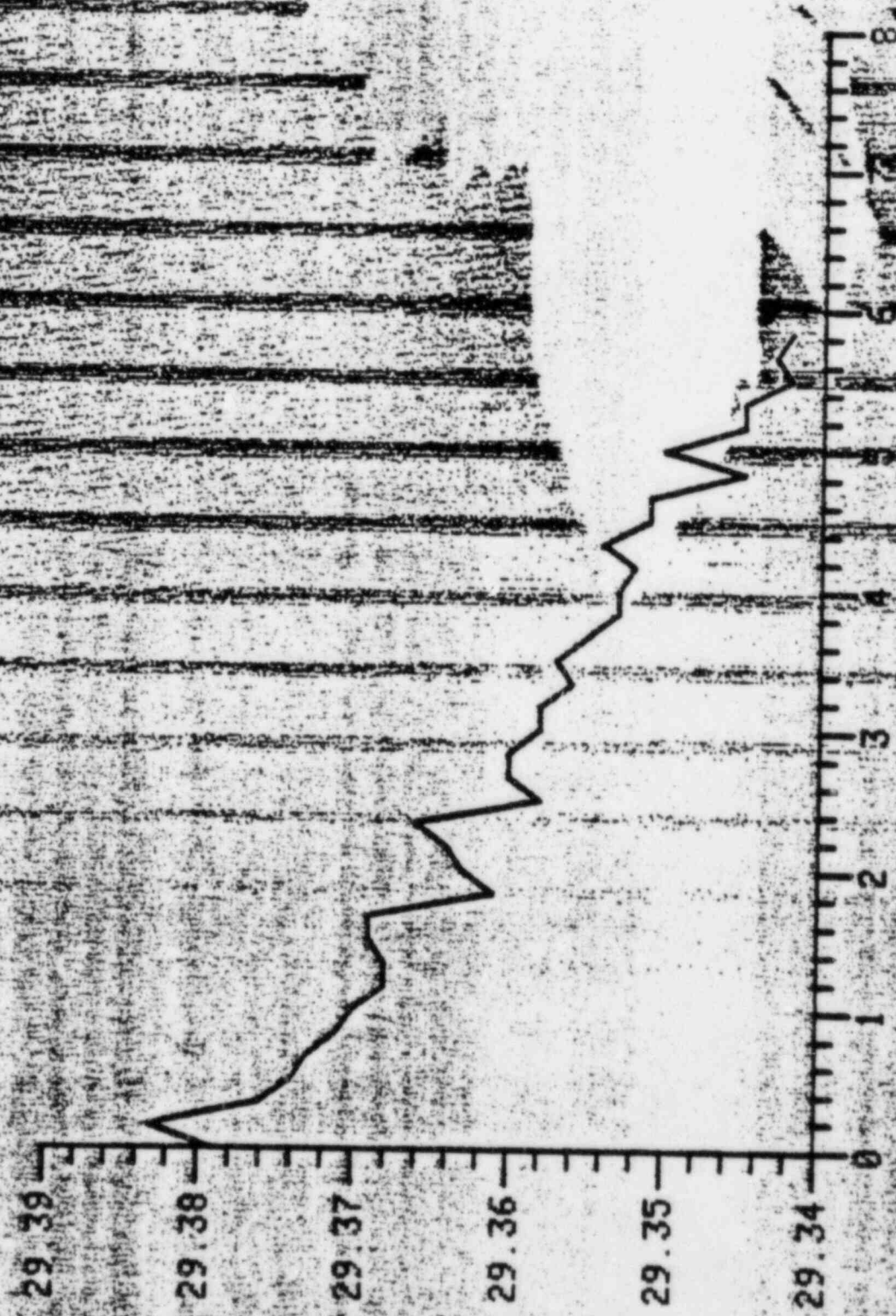
6/11

DUKE POWER COMPANY  
UPPER CONTAINMENT VAPOR PRESSURE



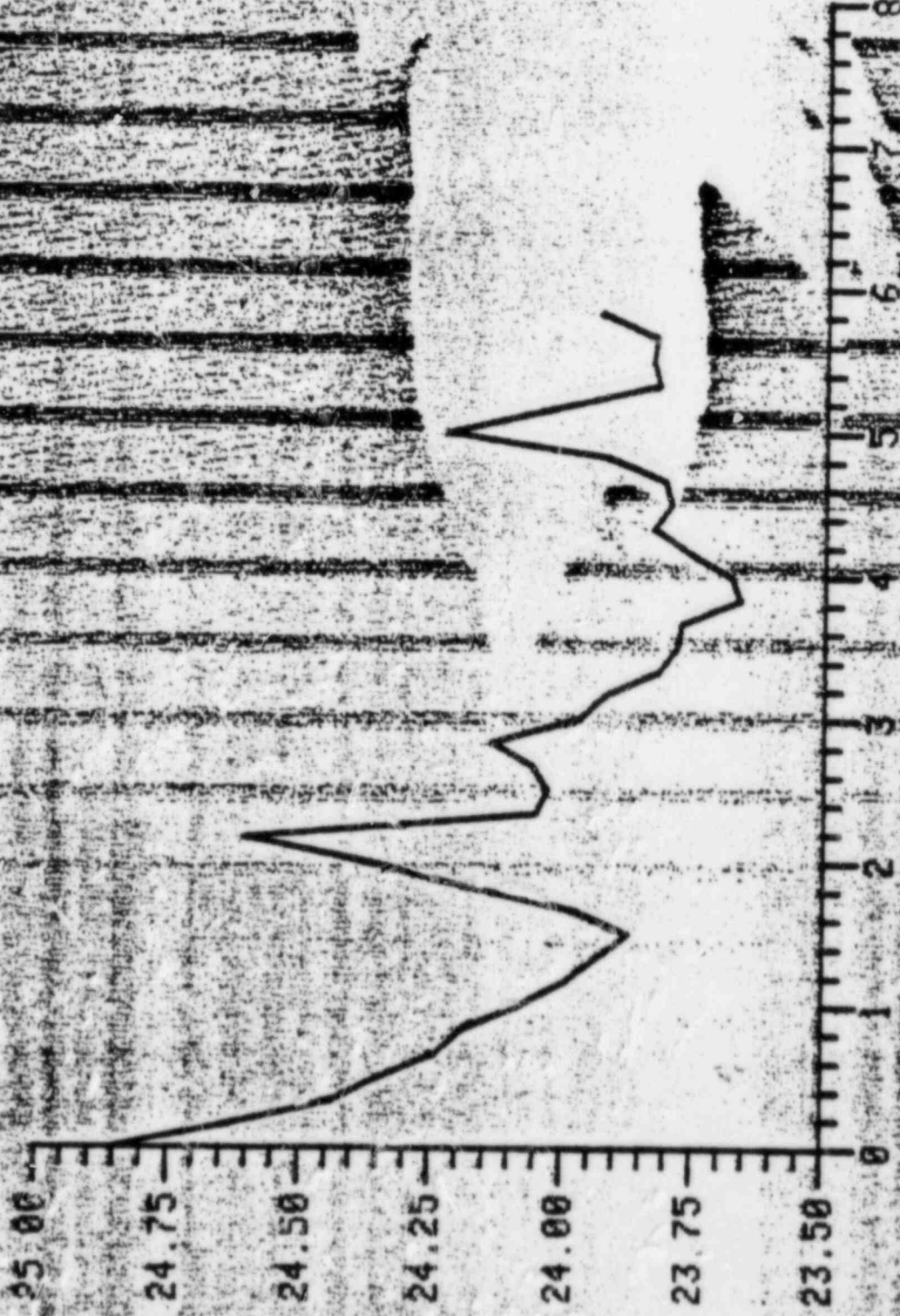
84013:1020 THRU 84013:161

DUKE POWER COMPANY  
UPPER CONTAINMENT PRESSURE



84013:1020 THRU 8403:1610

DURE POWER COMPANY  
ICE CONDENSER TEMPERATURE



84013:1020 THRU 84018:1010

DUKE POWER COMPANY  
ICE CONDENSER VAPOR PRESSURE

X10<sup>-1</sup>

0.234

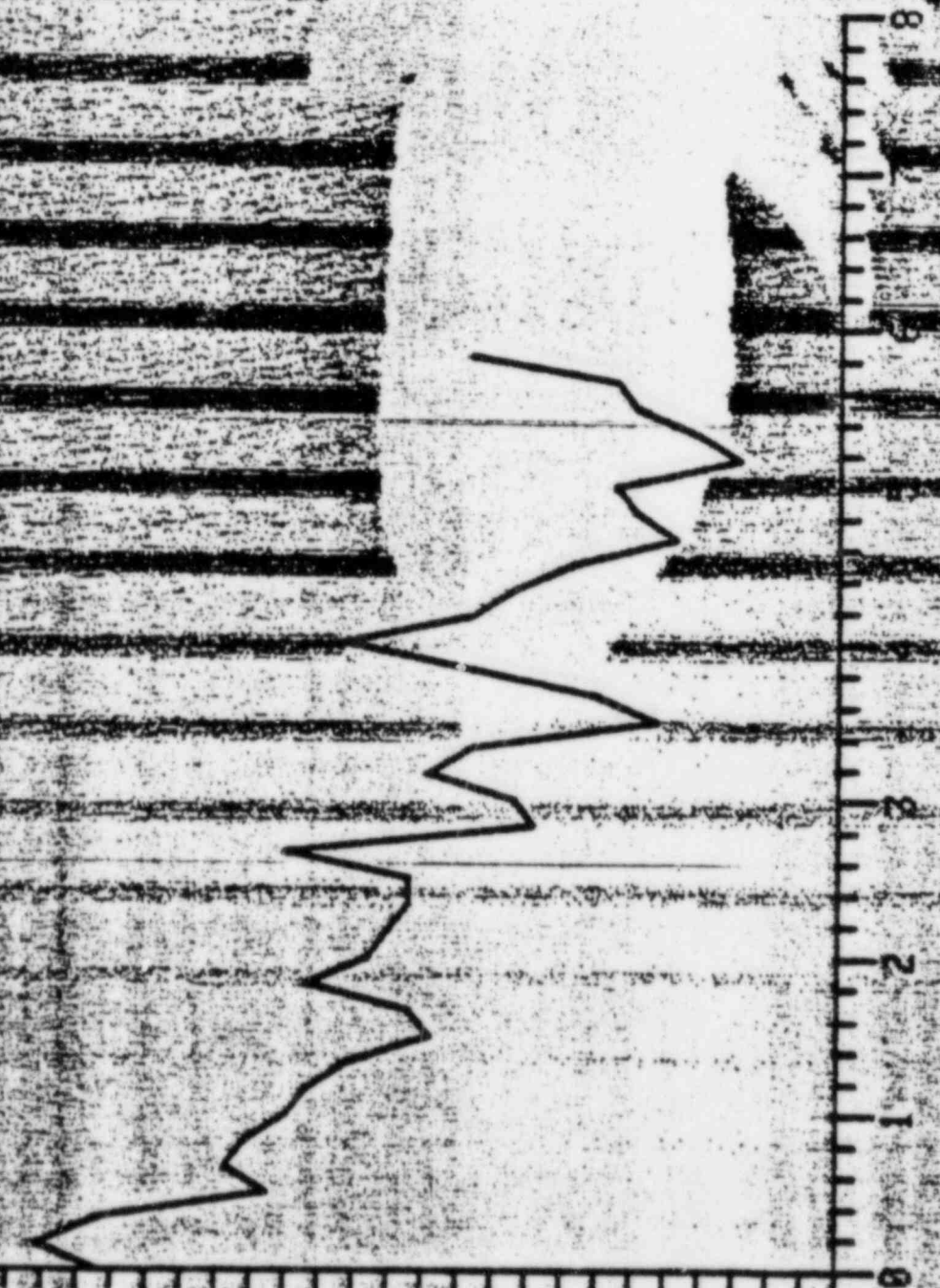
0.233

0.232

0.231

0.230

0.229



84013:1020 THRU 8403:1510

0

1

2

3

4

5

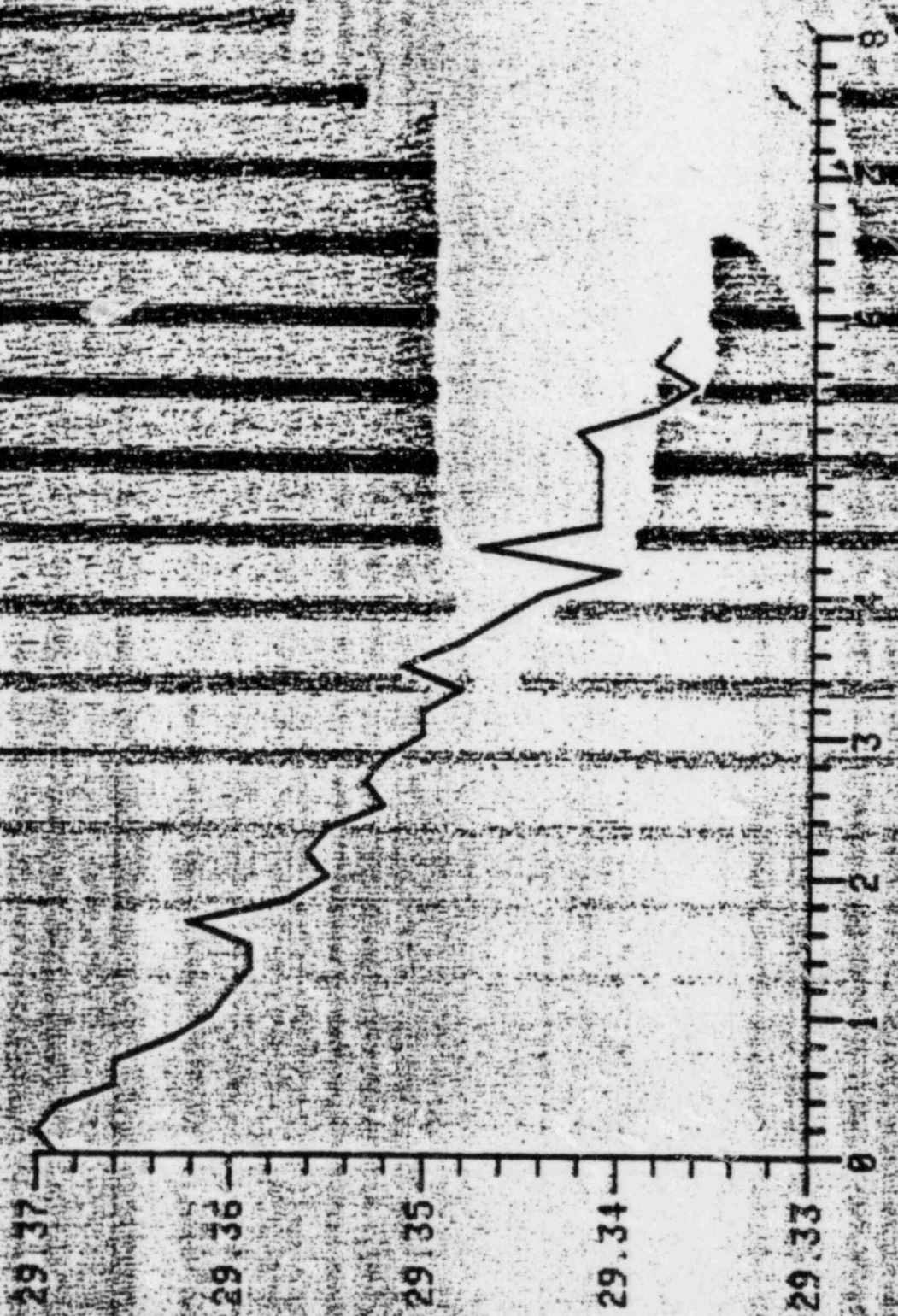
6

7

8



DUKE POWER COMPANY  
ICE CONDENSER PRESSURE



84013 1020 THRU 84013 161

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REDUCED PRESSURE TEST CALIBRATED DATA

LEAK RATE INSTRUMENT CALIBRATED DATA

BEGINNING OF DATA FOR 24 HOUR READINGS PRESSURE TEST

POINTS 1 2 3 4 5 6 7 8 9 10

POINTS	1	2	3	4	5	6	7	8	9	10
366 READING AT 8401611740	70.366	70.366	0.000	0.000	72.383	68.857	0.000	69.904	69.904	0.000
BANK 1	80.685	81.217	80.071	73.562	72.574	72.812	69.761	69.884	69.923	70.245
BANK 2	69.099	67.825	67.825	67.825	68.531	69.072	69.761	69.884	69.923	70.245
BANK 3	21.696	21.696	19.829	16.998	16.998	16.998	16.998	16.998	16.998	16.998
BANK 4	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300
BANK 5	22.238	22.238	22.238	22.238	22.238	22.238	22.238	22.238	22.238	22.238
BANK 6	70.366	70.366	0.000	0.000	72.383	68.857	0.000	69.904	69.904	0.000
BANK 7	80.685	81.217	80.071	73.562	72.574	72.812	69.761	69.884	69.923	70.245
369 READING AT 8401611750	70.366	70.366	0.000	0.000	72.383	68.857	0.000	69.904	69.904	0.000
BANK 1	80.685	81.217	80.071	73.562	72.574	72.812	69.761	69.884	69.923	70.245
BANK 2	69.099	67.825	67.825	67.825	68.531	69.072	69.761	69.884	69.923	70.245
BANK 3	21.696	21.696	19.829	16.998	16.998	16.998	16.998	16.998	16.998	16.998
BANK 4	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300	20.300
BANK 5	22.238	22.238	22.238	22.238	22.238	22.238	22.238	22.238	22.238	22.238
BANK 6	70.366	70.366	0.000	0.000	72.383	68.857	0.000	69.904	69.904	0.000
BANK 7	80.685	81.217	80.071	73.562	72.574	72.812	69.761	69.884	69.923	70.245
370 READING AT 8401611800	70.376	70.376	0.000	0.000	72.353	68.847	0.000	69.894	69.894	0.000
BANK 1	80.695	81.227	80.081	73.532	72.544	72.782	69.771	69.894	69.933	70.255
BANK 2	69.105	67.831	67.831	67.831	68.537	69.078	69.767	69.890	69.929	70.251
BANK 3	21.706	21.706	19.839	16.998	16.998	16.998	16.998	16.998	16.998	16.998
BANK 4	20.310	20.310	20.310	20.310	20.310	20.310	20.310	20.310	20.310	20.310
BANK 5	22.238	22.238	22.238	22.238	22.238	22.238	22.238	22.238	22.238	22.238
BANK 6	70.376	70.376	0.000	0.000	72.353	68.847	0.000	69.894	69.894	0.000
BANK 7	80.695	81.227	80.081	73.532	72.544	72.782	69.771	69.894	69.933	70.255
371 READING AT 8401611810	70.386	70.386	0.000	0.000	72.323	68.837	0.000	69.884	69.884	0.000
BANK 1	80.705	81.237	80.091	73.502	72.514	72.752	69.781	69.904	69.943	70.265
BANK 2	69.115	67.841	67.841	67.841	68.547	69.088	69.777	69.900	69.939	70.267
BANK 3	21.716	21.716	19.849	16.998	16.998	16.998	16.998	16.998	16.998	16.998
BANK 4	20.320	20.320	20.320	20.320	20.320	20.320	20.320	20.320	20.320	20.320
BANK 5	22.238	22.238	22.238	22.238	22.238	22.238	22.238	22.238	22.238	22.238
BANK 6	70.386	70.386	0.000	0.000	72.323	68.837	0.000	69.884	69.884	0.000
BANK 7	80.705	81.237	80.091	73.502	72.514	72.752	69.781	69.904	69.943	70.265
372 READING AT 8401611820	70.396	70.396	0.000	0.000	72.293	68.827	0.000	69.874	69.874	0.000
BANK 1	80.715	81.247	80.101	73.472	72.484	72.722	69.791	69.914	69.953	70.275
BANK 2	69.125	67.851	67.851	67.851	68.557	69.098	69.787	69.910	69.949	70.277
BANK 3	21.726	21.726	19.861	16.998	16.998	16.998	16.998	16.998	16.998	16.998
BANK 4	20.330	20.330	20.330	20.330	20.330	20.330	20.330	20.330	20.330	20.330
BANK 5	22.238	22.238	22.238	22.238	22.238	22.238	22.238	22.238	22.238	22.238
BANK 6	70.396	70.396	0.000	0.000	72.293	68.827	0.000	69.874	69.874	0.000
BANK 7	80.715	81.247	80.101	73.472	72.484	72.722	69.791	69.914	69.953	70.275
373 READING AT 8401611830	70.406	70.406	0.000	0.000	72.263	68.817	0.000	69.864	69.864	0.000
BANK 1	80.725	81.257	80.111	73.442	72.454	72.692	69.801	69.924	69.963	70.285
BANK 2	69.135	67.861	67.861	67.861	68.567	69.108	69.797	69.920	69.959	70.287
BANK 3	21.736	21.736	19.871	16.998	16.998	16.998	16.998	16.998	16.998	16.998
BANK 4	20.340	20.340	20.340	20.340	20.340	20.340	20.340	20.340	20.340	20.340
BANK 5	22.238	22.238	22.238	22.238	22.238	22.238	22.238	22.238	22.238	22.238
BANK 6	70.406	70.406	0.000	0.000	72.263	68.817	0.000	69.864	69.864	0.000
BANK 7	80.725	81.257	80.111	73.442	72.454	72.692	69.801	69.924	69.963	70.285
374 READING AT 8401611840	70.416	70.416	0.000	0.000	72.233	68.807	0.000	69.854	69.854	0.000
BANK 1	80.735	81.267	80.121	73.412	72.424	72.662	69.811	69.934	69.973	70.293
BANK 2	69.145	67.871	67.871	67.871	68.577	69.118	69.807	69.930	69.969	70.295
BANK 3	21.746	21.746	19.881	16.998	16.998	16.998	16.998	16.998	16.998	16.998
BANK 4	20.350	20.350	20.350	20.350	20.350	20.350	20.350	20.350	20.350	20.350
BANK 5	22.238	22.238	22.238	22.238	22.238	22.238	22.238	22.238	22.238	22.238
BANK 6	70.416	70.416	0.000	0.000	72.233	68.807	0.000	69.854	69.854	0.000
BANK 7	80.735	81.267	80.121	73.412	72.424	72.662	69.811	69.934	69.973	70.293

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BANK 5	21.736	22.376	20.377	19.310	19.704	25.251	46.882	21.083	20.501	20.333
BANK 6	20.200	20.668	0.000	0.000	0.000	0.000	71.398	70.702	70.542	79.112
BANK 7	22.239	22.240	22.235	0.390	35.590	49.440	0.000	0.000	0.000	0.000
375 READING AT 8401611930										
BANK 1	70.356	70.919	0.000	0.000	72.343	68.857	0.000	69.874	69.866	0.000
BANK 2	60.612	61.142	19.932	19.932	19.984	72.762	69.692	69.803	69.823	70.729
BANK 3	70.542	64.932	67.541	67.500	69.541	68.964	66.910	70.515	70.536	68.152
BANK 4	67.990	67.545	67.626	67.913	69.993	66.688	66.910	24.584	20.571	20.100
BANK 5	22.239	22.145	19.928	19.734	19.734	26.251	26.802	21.072	20.601	20.335
BANK 6	20.200	20.668	0.000	0.000	0.000	0.000	71.398	70.702	70.542	79.112
BANK 7	22.239	22.234	22.234	0.460	35.600	49.440	0.000	0.000	0.000	0.000
376 READING AT 8401611900										
BANK 1	69.707	69.652	69.000	69.204	71.919	69.652	0.000	69.874	69.866	69.000
BANK 2	80.615	81.172	79.942	79.942	72.514	72.762	69.692	68.865	69.823	70.729
BANK 3	70.542	64.932	67.541	67.500	69.541	68.964	66.910	70.515	70.536	68.152
BANK 4	67.990	67.545	67.626	67.913	69.993	66.688	66.910	24.584	20.571	20.100
BANK 5	22.239	22.145	19.928	19.734	19.734	26.251	26.802	21.072	20.601	20.335
BANK 6	20.200	20.668	0.000	0.000	0.000	0.000	71.398	70.702	70.542	79.112
BANK 7	22.239	22.234	22.234	0.460	35.600	49.440	0.000	0.000	0.000	0.000
377 READING AT 8401611919										
BANK 1	70.356	70.919	0.000	0.000	72.343	68.857	0.000	69.874	69.866	0.000
BANK 2	60.615	61.172	19.942	19.942	19.984	72.762	69.692	69.803	69.823	70.729
BANK 3	70.542	64.932	67.541	67.500	69.541	68.964	66.910	70.515	70.536	68.152
BANK 4	67.990	67.545	67.626	67.913	69.993	66.688	66.910	24.584	20.571	20.100
BANK 5	22.239	22.145	19.928	19.734	19.734	26.251	26.802	21.072	20.601	20.335
BANK 6	20.200	20.668	0.000	0.000	0.000	0.000	71.398	70.702	70.542	79.112
BANK 7	22.239	22.234	22.234	0.460	35.600	49.440	0.000	0.000	0.000	0.000
378 READING AT 8401611920										
BANK 1	69.697	70.942	0.000	0.000	72.343	68.847	0.000	69.874	69.876	0.000
BANK 2	80.605	81.182	79.942	79.942	72.504	72.722	69.682	68.855	69.903	70.728
BANK 3	70.542	64.932	67.541	67.500	69.541	68.964	66.910	70.515	70.536	68.152
BANK 4	67.990	67.545	67.626	67.913	69.993	66.688	66.910	24.584	20.571	20.100
BANK 5	22.239	22.145	19.928	19.740	19.704	26.301	26.802	21.083	20.371	20.303
BANK 6	20.200	20.668	0.000	0.000	0.000	0.000	71.388	70.682	70.312	79.112
BANK 7	22.239	22.234	22.234	0.460	35.600	49.440	0.000	0.000	0.000	0.000
379 READING AT 8401611920										
BANK 1	70.356	70.929	0.000	0.000	72.343	68.847	0.000	69.874	69.876	0.000
BANK 2	60.605	61.172	19.942	19.942	19.984	72.762	69.682	68.855	69.903	70.728
BANK 3	70.542	64.932	67.541	67.500	69.541	68.964	66.910	70.515	70.536	68.152
BANK 4	67.990	67.545	67.626	67.913	69.993	66.688	66.910	24.584	20.571	20.100
BANK 5	22.239	22.135	19.928	19.734	19.734	26.371	26.802	21.083	20.571	20.293
BANK 6	20.200	20.668	0.000	0.000	0.000	0.000	71.388	70.682	70.312	79.112
BANK 7	22.239	22.234	22.234	0.460	35.600	49.440	0.000	0.000	0.000	0.000
380 READING AT 8401611940										
BANK 1	69.697	70.942	0.000	0.000	72.343	68.847	0.000	69.874	69.876	0.000
BANK 2	80.605	81.172	79.942	79.942	72.504	72.722	69.682	68.855	69.903	70.728
BANK 3	70.542	64.932	67.541	67.500	69.541	68.964	66.910	70.515	70.536	68.152
BANK 4	67.990	67.545	67.626	67.913	69.993	66.688	66.910	24.584	20.571	20.100
BANK 5	22.239	22.135	19.928	19.734	19.734	26.371	26.802	21.083	20.571	20.293
BANK 6	20.200	20.668	0.000	0.000	0.000	0.000	71.388	70.682	70.312	79.112
BANK 7	22.239	22.234	22.234	0.460	35.600	49.440	0.000	0.000	0.000	0.000
381 READING AT 8401611930										
BANK 1	70.356	70.919	0.000	0.000	72.343	68.847	0.000	69.874	69.876	0.000
BANK 2	60.605	61.172	19.942	19.942	19.984	72.762	69.682	68.855	69.903	70.728
BANK 3	70.542	64.932	67.541	67.500	69.541	68.964	66.910	70.515	70.536	68.152
BANK 4	67.990	67.545	67.626	67.913	69.993	66.688	66.910	24.584	20.571	20.100
BANK 5	22.239	22.135	19.928	19.734	19.734	26.371	26.802	21.083	20.571	20.293
BANK 6	20.200	20.668	0.000	0.000	0.000	0.000	71.388	70.682	70.312	79.112
BANK 7	22.239	22.234	22.234	0.460	35.600	49.440	0.000	0.000	0.000	0.000

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BANK 7	22.238	22.240	22.235	0.560	35.550	49.470	0.000	0.000	0.000	0.000
382 READING AT 84016:2000										
BANK 1	60.605	61.122	0.000	0.000	72.323	68.827	0.000	62.844	62.856	0.000
BANK 2	70.522	64.902	68.612	73.526	65.511	65.954	69.602	68.845	69.909	70.109
BANK 3	67.960	67.332	67.945	67.109	67.979	66.636	68.980	68.012	70.476	68.132
BANK 4	21.187	21.352	21.465	19.480	19.823	26.930	26.271	21.063	20.591	20.839
BANK 5	20.240	20.668	0.000	0.000	0.000	0.000	71.358	70.662	70.462	70.073
BANK 6	22.238	22.239	22.234	0.250	35.270	49.470	0.000	0.000	0.000	0.000
383 READING AT 84016:2010										
BANK 1	70.406	70.909	0.000	0.000	72.323	68.827	0.000	62.844	62.856	0.000
BANK 2	80.605	81.112	79.942	73.542	72.504	72.712	69.702	68.845	69.909	70.109
BANK 3	70.502	64.902	68.612	67.945	67.979	66.636	68.980	68.012	70.476	68.132
BANK 4	68.020	67.332	67.945	67.109	67.979	66.636	68.980	68.012	70.476	68.132
BANK 5	21.098	22.245	21.225	20.000	20.972	26.910	23.993	21.059	20.601	20.313
BANK 6	20.240	20.668	0.000	0.000	0.000	0.000	71.358	70.662	70.462	70.073
BANK 7	22.237	22.239	22.234	0.250	35.270	49.470	0.000	0.000	0.000	0.000
384 READING AT 84016:2020										
BANK 1	70.386	70.909	0.000	0.000	72.323	68.847	0.000	62.804	62.816	0.000
BANK 2	80.565	81.122	79.942	73.526	72.511	72.712	69.692	68.845	69.909	70.109
BANK 3	70.532	64.902	68.612	67.945	67.979	66.636	68.973	68.012	70.456	68.132
BANK 4	68.000	67.492	67.945	67.983	68.945	66.618	69.910	69.210	70.456	68.737
BANK 5	21.905	21.665	20.387	20.400	20.920	26.770	23.434	21.063	20.611	20.313
BANK 6	20.250	20.678	0.000	0.000	0.000	0.000	71.358	70.672	70.472	70.082
BANK 7	22.237	22.239	22.234	0.250	35.110	49.460	0.000	0.000	0.000	0.000
385 READING AT 84016:2030										
BANK 1	69.697	70.909	0.000	0.000	72.323	68.827	0.000	62.804	62.816	0.000
BANK 2	80.575	81.112	79.942	73.526	72.511	72.712	69.692	68.845	69.909	70.109
BANK 3	70.532	64.902	68.612	67.945	67.979	66.636	68.973	68.012	70.456	68.132
BANK 4	68.000	67.452	67.945	67.983	68.975	66.568	69.900	69.210	70.456	68.737
BANK 5	21.985	21.728	20.387	20.400	20.920	26.991	23.328	21.063	20.611	20.313
BANK 6	20.250	20.678	0.000	0.000	0.000	0.000	71.358	70.672	70.472	70.082
BANK 7	22.238	22.239	22.234	0.250	34.850	49.540	0.000	0.000	0.000	0.000
386 READING AT 84016:2040										
BANK 1	70.376	70.909	0.000	0.000	72.323	68.847	0.000	62.804	62.816	0.000
BANK 2	80.575	81.102	79.942	73.526	72.521	72.712	69.692	68.845	69.909	70.109
BANK 3	70.532	64.902	68.612	67.945	67.979	66.636	68.973	68.012	70.456	68.132
BANK 4	67.991	67.332	67.945	67.983	68.979	66.636	69.900	69.210	70.456	68.737
BANK 5	21.283	21.283	20.387	20.400	20.920	26.241	23.075	21.063	20.601	20.303
BANK 6	20.240	20.668	0.000	0.000	0.000	0.000	71.358	70.672	70.472	70.082
BANK 7	22.238	22.240	22.234	0.320	34.990	49.530	0.000	0.000	0.000	0.000
387 READING AT 84016:2050										
BANK 1	69.697	70.909	0.000	0.000	72.323	68.817	0.000	62.799	62.859	0.000
BANK 2	80.565	81.052	79.902	73.502	72.474	72.712	69.692	68.845	69.859	70.206
BANK 3	70.512	64.902	68.612	67.945	67.979	66.636	68.973	68.012	70.456	68.132
BANK 4	67.970	67.332	67.945	67.983	68.975	66.708	69.900	69.210	70.456	68.748
BANK 5	21.265	21.265	19.589	20.950	21.929	26.980	23.993	21.072	20.601	20.313
BANK 6	20.230	20.668	0.000	0.000	0.000	0.000	71.358	70.662	70.462	70.062
BANK 7	22.237	22.239	22.234	0.250	35.160	49.530	0.000	0.000	0.000	0.000
388 READING AT 84016:2100										
BANK 1	70.356	70.909	0.000	0.000	72.313	68.827	0.000	62.814	62.856	0.000
BANK 2	80.559	81.112	79.942	73.518	72.474	72.712	69.692	68.845	69.859	70.169
BANK 3	70.522	64.912	68.612	67.945	67.979	66.636	68.973	68.012	70.426	68.092
BANK 4	68.010	67.312	67.945	67.983	68.959	66.658	69.880	69.210	70.446	68.370
BANK 5	21.244	21.244	19.589	21.751	20.970	27.478	22.696	21.062	20.561	20.313
BANK 6	20.220	20.668	0.000	0.240	35.000	49.510	71.358	70.662	70.472	70.062
BANK 7	22.238	22.240	22.234	0.240	36.160	49.510	0.000	0.000	0.000	0.000

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389 READING AT 8401612110									
BANK 1	69.667	70.819	0.000	72.303	68.817	0.000	69.814	69.856	0.000
BANK 2	80.565	81.092	79.932	72.474	72.702	69.771	68.845	70.196	69.893
BANK 3	70.512	64.877	68.602	67.870	68.944	69.643	67.965	70.476	68.102
BANK 4	68.049	71.495	67.616	67.893	66.698	66.870	21.020	21.812	21.812
BANK 5	22.304	21.495	19.659	20.840	27.446	22.527	21.082	20.551	20.323
BANK 6	20.220	20.241	20.000	0.000	0.000	71.356	70.002	70.002	0.000
BANK 7	22.237	22.237	22.233	36.110	49.540	0.000	0.000	0.000	0.000
390 READING AT 8401612120									
BANK 1	70.376	70.689	0.000	72.003	69.827	0.000	69.784	69.659	0.000
BANK 2	80.565	81.092	79.932	72.474	72.702	69.771	68.845	70.196	69.893
BANK 3	70.512	64.877	68.602	67.870	68.944	69.643	67.965	70.476	68.102
BANK 4	68.049	71.495	67.616	67.893	66.698	66.870	21.020	21.812	21.812
BANK 5	22.304	21.495	19.659	20.840	27.446	22.527	21.082	20.551	20.323
BANK 6	20.220	20.241	20.000	0.000	0.000	71.356	70.002	70.002	0.000
BANK 7	22.235	22.239	22.233	36.110	49.540	0.000	0.000	0.000	0.000
391 READING AT 8401612130									
BANK 1	68.697	70.729	0.000	72.483	68.817	0.000	69.814	69.856	0.000
BANK 2	80.565	81.092	79.932	72.474	72.702	69.771	68.845	70.196	69.893
BANK 3	70.512	64.877	68.602	67.870	68.944	69.643	67.965	70.476	68.102
BANK 4	68.049	71.495	67.616	67.893	66.698	66.870	21.020	21.812	21.812
BANK 5	22.304	21.495	19.659	20.840	27.446	22.527	21.082	20.551	20.323
BANK 6	20.220	20.241	20.000	0.000	0.000	71.356	70.002	70.002	0.000
BANK 7	22.235	22.239	22.233	36.110	49.540	0.000	0.000	0.000	0.000
392 READING AT 8401612140									
BANK 1	70.376	70.899	0.000	72.293	68.837	0.000	69.804	69.846	0.000
BANK 2	80.565	81.092	79.932	72.483	72.702	69.771	68.845	70.196	69.893
BANK 3	70.512	64.877	68.602	67.870	68.944	69.643	67.965	70.476	68.102
BANK 4	68.049	71.495	67.616	67.893	66.698	66.870	21.020	21.812	21.812
BANK 5	22.304	21.495	19.659	20.840	27.446	22.527	21.082	20.551	20.323
BANK 6	20.220	20.241	20.000	0.000	0.000	71.356	70.002	70.002	0.000
BANK 7	22.235	22.239	22.233	36.110	49.540	0.000	0.000	0.000	0.000
393 READING AT 8401612150									
BANK 1	69.707	70.609	0.000	72.273	68.857	0.000	69.844	69.836	0.000
BANK 2	80.565	81.092	79.932	72.483	72.702	69.771	68.845	70.196	69.893
BANK 3	70.512	64.877	68.602	67.870	68.944	69.643	67.965	70.476	68.102
BANK 4	68.049	71.495	67.616	67.893	66.698	66.870	21.020	21.812	21.812
BANK 5	22.304	21.495	19.659	20.840	27.446	22.527	21.082	20.551	20.323
BANK 6	20.220	20.241	20.000	0.000	0.000	71.356	70.002	70.002	0.000
BANK 7	22.237	22.235	22.232	35.890	49.560	0.000	0.000	0.000	0.000
394 READING AT 8401612200									
BANK 1	70.366	70.899	0.000	72.483	68.827	0.000	69.814	69.856	0.000
BANK 2	80.565	81.092	79.932	72.474	72.702	69.771	68.845	70.196	69.893
BANK 3	70.512	64.877	68.602	67.870	68.944	69.643	67.965	70.476	68.102
BANK 4	68.049	71.495	67.616	67.893	66.698	66.870	21.020	21.812	21.812
BANK 5	22.304	21.495	19.659	20.840	27.446	22.527	21.082	20.551	20.323
BANK 6	20.220	20.241	20.000	0.000	0.000	71.356	70.002	70.002	0.000
BANK 7	22.236	22.239	22.232	35.890	49.560	0.000	0.000	0.000	0.000
395 READING AT 8401612210									
BANK 1	70.366	70.889	0.000	72.483	68.837	0.000	69.844	69.866	0.000
BANK 2	80.565	81.092	79.932	72.483	72.702	69.771	68.845	70.196	69.893
BANK 3	70.512	64.877	68.602	67.870	68.944	69.643	67.965	70.476	68.102
BANK 4	68.049	71.495	67.616	67.893	66.698	66.870	21.020	21.812	21.812
BANK 5	22.304	21.495	19.659	20.840	27.446	22.527	21.082	20.551	20.323
BANK 6	20.220	20.241	20.000	0.000	0.000	71.356	70.002	70.002	0.000
BANK 7	22.236	22.239	22.232	35.890	49.560	0.000	0.000	0.000	0.000
396 READING AT 8401612220									
BANK 1	69.667	70.829	0.000	72.273	68.827	0.000	69.864	69.846	0.000

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BANK 2	80.545	81.082	79.512	73.512	72.464	71.702	69.712	68.845	65.873	70.196
BANK 3	70.502	64.847	68.572	67.870	69.491	68.954	69.833	67.985	70.446	68.082
BANK 4	67.990	67.472	67.626	67.873	66.975	66.608	66.860	22.990	21.199	20.807
BANK 5	21.736	25.377	20.796	20.090	21.479	32.546	22.537	20.601	20.303	20.303
BANK 6	22.237	22.237	22.237	0.520	35.850	49.670	71.408	70.602	70.022	70.022
BANK 7	22.237	22.237	22.237	0.520	35.850	49.670	71.408	70.602	70.022	70.022
397 READING AT 840161230										
BANK 1	70.519	70.519	0.000	0.000	72.293	68.837	0.000	62.884	69.866	0.000
BANK 2	60.525	61.082	79.872	73.492	72.474	72.702	69.692	68.835	70.196	0.000
BANK 3	70.512	61.082	72.671	73.522	73.504	68.827	69.692	68.835	70.196	0.000
BANK 4	70.512	61.082	72.671	73.522	73.504	68.827	69.692	68.835	70.196	0.000
BANK 5	21.736	25.377	20.796	20.090	21.479	32.546	22.537	20.601	20.303	20.303
BANK 6	22.237	22.237	22.237	0.520	35.850	49.670	71.408	70.602	70.022	70.022
BANK 7	22.237	22.237	22.237	0.520	35.850	49.670	71.408	70.602	70.022	70.022
398 READING AT 840161230										
BANK 1	69.667	70.529	0.000	0.000	72.293	68.827	0.000	69.864	69.866	0.000
BANK 2	60.525	61.082	79.872	73.492	72.474	72.702	69.692	68.835	70.196	0.000
BANK 3	70.512	61.082	72.671	73.522	73.504	68.827	69.692	68.835	70.196	0.000
BANK 4	70.512	61.082	72.671	73.522	73.504	68.827	69.692	68.835	70.196	0.000
BANK 5	21.736	25.377	20.796	20.090	21.479	32.546	22.537	20.601	20.303	20.303
BANK 6	22.237	22.237	22.237	0.520	35.850	49.670	71.408	70.602	70.022	70.022
BANK 7	22.237	22.237	22.237	0.520	35.850	49.670	71.408	70.602	70.022	70.022
399 READING AT 840161230										
BANK 1	70.525	70.909	0.000	0.000	72.293	68.817	0.000	69.864	69.866	0.000
BANK 2	60.525	61.082	79.872	73.492	72.474	72.712	69.841	68.835	70.196	0.000
BANK 3	70.532	67.812	69.632	67.860	66.951	68.944	69.841	68.835	70.196	0.000
BANK 4	67.990	67.472	67.562	67.853	66.951	66.588	66.890	22.901	22.594	22.121
BANK 5	21.766	21.466	19.869	20.990	20.000	20.000	21.408	21.071	20.591	20.279
BANK 6	20.290	22.778	0.000	0.000	0.000	0.000	71.408	70.882	70.272	78.892
BANK 7	22.235	22.238	22.233	0.440	35.940	49.640	0.000	0.000	0.000	0.000
400 READING AT 840161230										
BANK 1	69.667	70.529	0.000	0.000	72.293	68.817	0.000	69.864	69.866	0.000
BANK 2	60.525	61.082	79.872	73.492	72.474	72.712	69.841	68.835	70.196	0.000
BANK 3	70.532	67.812	69.632	67.860	66.951	68.944	69.841	68.835	70.196	0.000
BANK 4	67.990	67.472	67.562	67.853	66.951	66.588	66.890	22.901	22.594	22.121
BANK 5	21.766	21.466	19.869	20.990	20.000	20.000	21.408	21.071	20.591	20.279
BANK 6	20.290	22.778	0.000	0.000	0.000	0.000	71.408	70.882	70.272	78.892
BANK 7	22.235	22.238	22.233	0.440	35.940	49.640	0.000	0.000	0.000	0.000
401 READING AT 840161230										
BANK 1	69.667	70.529	0.000	0.000	72.293	68.817	0.000	69.864	69.866	0.000
BANK 2	60.495	61.092	79.862	73.522	72.503	68.917	69.941	69.864	69.866	0.000
BANK 3	70.522	67.812	69.632	67.819	66.978	68.784	69.843	68.835	70.196	0.000
BANK 4	67.990	67.472	67.562	67.853	66.951	66.588	66.890	22.901	22.594	22.121
BANK 5	21.766	21.466	19.869	20.990	20.000	20.000	22.507	21.063	20.591	20.269
BANK 6	20.270	20.638	0.000	0.000	0.000	0.000	71.418	70.682	69.862	79.042
BANK 7	22.235	22.237	22.231	0.530	35.770	49.670	0.000	0.000	0.000	0.000
402 READING AT 840161230										
BANK 1	70.525	70.899	0.000	0.000	72.293	68.827	0.000	69.854	69.856	0.000
BANK 2	60.525	61.082	79.872	73.492	72.474	72.682	69.731	69.854	69.856	0.000
BANK 3	70.522	67.812	69.632	67.819	66.978	68.784	69.823	68.835	70.196	0.000
BANK 4	67.990	67.472	67.562	67.853	66.951	66.588	66.890	22.901	22.594	22.121
BANK 5	21.766	21.466	19.869	20.990	20.000	20.000	22.507	21.063	20.591	20.269
BANK 6	20.270	20.638	0.000	0.000	0.000	0.000	71.418	70.682	69.862	79.042
BANK 7	22.235	22.237	22.231	0.530	35.770	49.670	0.000	0.000	0.000	0.000
403 READING AT 840161230										
BANK 1	69.667	70.529	0.000	0.000	72.293	68.817	0.000	69.854	69.856	0.000
BANK 2	60.525	61.082	79.872	73.492	72.474	72.722	69.741	68.843	69.856	70.196
BANK 3	70.512	61.082	72.671	73.522	73.514	68.944	69.741	68.843	69.856	70.196
BANK 4	67.990	67.472	67.562	67.853	66.951	66.588	66.890	22.901	22.594	22.121
BANK 5	21.766	21.466	19.869	20.990	20.000	20.000	22.507	21.063	20.591	20.269
BANK 6	20.270	20.638	0.000	0.000	0.000	0.000	71.418	70.682	69.862	79.042
BANK 7	22.235	22.237	22.231	0.530	35.770	49.670	0.000	0.000	0.000	0.000

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BANK 4	68.039	67.476	67.636	67.863	66.260	66.668	65.770	67.960	71.129	21.085
BANK 5	21.716	21.565	19.369	20.180	21.216	26.461	22.616	31.053	20.551	20.255
BANK 6	20.250	20.638	0.000	0.000	0.000	0.000	71.408	70.672	70.482	78.972
BANK 7	22.234	22.236	22.230	0.210	35.740	49.670	0.000	0.000	0.000	0.000
404 READING AT 8401612340										
BANK 1	70.356	70.000	0.000	0.000	12.313	68.699	0.000	0.000	0.000	0.000
BANK 2	60.495	61.002	79.822	73.542	72.539	72.792	69.761	68.674	69.673	70.171
BANK 3	60.522	64.780	69.522	67.780	68.491	68.964	66.870	68.915	70.536	70.763
BANK 4	68.020	67.442	67.566	67.843	66.646	66.606	66.870	68.970	70.630	70.763
BANK 5	21.566	21.413	19.329	20.076	20.680	26.741	23.008	21.023	20.551	19.243
BANK 6	20.230	0.000	0.000	0.000	0.000	0.000	71.528	70.882	70.052	79.022
BANK 7	22.234	22.235	22.229	0.210	35.680	49.650	0.000	0.000	0.000	0.000
405 READING AT 8401612350										
BANK 1	70.346	70.599	0.000	0.000	12.313	68.617	0.000	0.000	0.000	0.000
BANK 2	60.495	64.992	79.822	73.532	72.494	72.712	68.631	68.659	69.873	70.189
BANK 3	60.522	64.757	69.522	67.810	68.472	68.873	68.863	67.935	70.666	68.042
BANK 4	68.020	67.453	67.549	67.823	66.651	66.678	66.870	68.948	70.800	70.119
BANK 5	21.566	21.345	19.349	20.050	20.651	26.701	23.011	21.013	20.531	19.243
BANK 6	20.220	0.000	0.000	0.000	0.000	0.000	71.416	70.672	69.912	79.002
BANK 7	22.233	22.235	22.230	0.160	35.690	49.680	0.000	0.000	0.000	0.000
406 READING AT 840171										
BANK 1	69.667	70.812	0.000	0.000	72.313	68.798	0.000	69.854	69.865	0.000
BANK 2	60.495	61.062	79.842	73.552	72.513	72.692	69.722	68.825	69.873	70.126
BANK 3	60.522	64.772	69.522	67.819	68.484	68.873	68.870	67.948	70.800	70.119
BANK 4	67.966	67.472	67.548	67.823	66.654	66.678	66.870	68.948	70.800	70.119
BANK 5	21.526	21.425	19.459	20.060	20.362	26.531	23.434	21.033	20.532	19.243
BANK 6	20.200	0.000	0.000	0.000	0.000	0.000	71.418	70.682	69.702	78.932
BANK 7	22.234	22.230	22.229	0.120	35.680	49.690	0.000	0.000	0.000	0.000
407 READING AT 840171										
BANK 1	70.366	70.909	0.000	0.000	72.333	68.808	0.000	69.844	69.956	0.000
BANK 2	60.475	61.032	79.802	73.536	72.509	72.674	69.751	68.892	69.857	0.000
BANK 3	60.512	64.737	69.502	67.740	68.482	68.869	68.863	67.975	70.356	28.102
BANK 4	67.960	67.492	67.524	67.843	66.665	66.698	66.810	68.929	70.728	28.102
BANK 5	21.387	21.505	19.208	20.152	20.152	26.618	24.151	21.033	20.780	20.319
BANK 6	20.180	0.000	0.000	0.000	0.000	0.000	71.428	70.682	69.702	78.932
BANK 7	22.235	22.231	22.231	0.240	35.920	49.710	0.000	0.000	0.000	0.000
408 READING AT 840171										
BANK 1	69.667	70.842	0.000	0.000	72.313	68.798	0.000	69.844	69.873	0.000
BANK 2	60.475	61.042	79.802	73.532	72.513	72.692	69.751	68.892	69.873	70.126
BANK 3	60.502	64.737	69.502	67.740	68.482	68.869	68.863	67.975	70.356	28.102
BANK 4	67.960	67.492	67.524	67.843	66.665	66.698	66.810	68.929	70.728	28.102
BANK 5	21.297	21.415	19.208	20.152	20.152	26.531	24.151	21.033	20.532	19.243
BANK 6	20.180	0.000	0.000	0.000	0.000	0.000	71.418	70.682	69.702	78.932
BANK 7	22.237	22.238	22.231	0.350	36.170	49.750	0.000	0.000	0.000	0.000
409 READING AT 840171										
BANK 1	70.356	70.897	0.000	0.000	72.313	68.808	0.000	69.854	69.873	0.000
BANK 2	60.475	61.072	79.802	73.532	72.513	72.692	69.751	68.892	69.873	70.176
BANK 3	60.522	64.757	69.522	67.750	68.491	68.954	69.823	69.955	70.572	68.072
BANK 4	67.870	67.425	67.575	67.819	66.651	66.678	66.810	68.929	70.728	28.102
BANK 5	21.257	21.375	19.208	20.152	20.152	26.531	24.151	21.013	20.780	20.319
BANK 6	20.180	0.000	0.000	0.000	0.000	0.000	71.418	70.682	69.702	78.932
BANK 7	22.235	22.237	22.232	0.400	35.850	49.730	0.000	0.000	0.000	0.000
410 READING AT 840171										
BANK 1	69.667	70.829	0.000	0.000	72.323	68.798	0.000	69.844	69.873	0.000
BANK 2	60.485	61.042	79.802	73.532	72.474	72.712	69.702	68.855	69.873	70.176
BANK 3	60.522	64.742	69.498	67.789	68.484	68.963	69.783	67.975	70.376	28.102
BANK 4	67.960	67.502	67.636	67.843	66.645	66.668	66.810	68.929	70.728	28.102
BANK 5	21.576	22.237	20.237	19.320	19.783	26.192	26.703	21.013	20.552	20.243

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BANK 6	20.170	20.609	0.000	0.000	0.000	0.000	71.418	70.682	70.052	72.052
BANK 7	22.235	22.236	22.231	0.450	35.860	49.720	0.000	0.000	0.000	0.000
411 READING AT 840171										
BANK 1	80.375	70.000	0.000	0.000	72.323	58.788	0.000	67.854	67.826	0.000
BANK 2	80.442	70.000	70.000	73.522	72.504	72.702	69.731	68.865	69.873	70.186
BANK 3	64.743	65.922	67.900	67.911	69.983	69.983	69.793	67.945	70.446	68.062
BANK 4	67.920	67.526	19.560	19.803	26.162	26.162	26.870	24.740	20.640	20.100
BANK 5	22.235	20.619	0.000	0.000	0.000	0.000	26.832	21.013	20.532	20.253
BANK 6	20.200	20.619	0.000	0.000	0.000	0.000	71.418	70.672	70.552	72.012
BANK 7	22.235	22.231	0.530	35.840	49.750	49.750	0.000	0.000	0.000	0.000
412 READING AT 840171										
BANK 1	69.667	70.829	0.000	0.000	72.333	68.798	0.000	69.854	69.826	0.000
BANK 2	80.455	81.012	73.772	73.778	73.704	72.682	69.201	69.893	69.873	70.178
BANK 3	70.532	64.727	68.482	67.943	66.885	66.558	66.860	24.237	20.551	20.140
BANK 4	68.030	67.526	19.560	19.774	26.162	26.162	27.321	21.013	20.532	20.243
BANK 5	22.235	20.619	0.000	0.000	0.000	0.000	71.418	70.672	70.552	72.012
BANK 6	20.200	20.619	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BANK 7	22.235	22.231	0.530	35.840	49.750	49.750	0.000	0.000	0.000	0.000
413 READING AT 840171										
BANK 1	70.345	70.819	0.000	0.000	72.343	68.728	0.000	67.874	67.846	0.000
BANK 2	80.455	81.012	73.772	73.778	73.704	72.682	69.201	69.893	69.873	70.178
BANK 3	70.532	64.727	68.482	67.943	66.885	66.558	66.860	24.237	20.551	20.140
BANK 4	67.920	67.526	19.560	19.774	26.162	26.162	27.321	21.013	20.532	20.243
BANK 5	22.235	20.619	0.000	0.000	0.000	0.000	71.418	70.672	70.552	72.012
BANK 6	20.200	20.619	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BANK 7	22.235	22.231	0.530	35.840	49.750	49.750	0.000	0.000	0.000	0.000
414 READING AT 840171										
BANK 1	69.667	70.829	0.000	0.000	72.333	68.798	0.000	69.854	69.826	0.000
BANK 2	80.455	81.012	73.772	73.778	73.704	72.682	69.201	69.893	69.873	70.178
BANK 3	70.532	64.727	68.482	67.943	66.885	66.558	66.860	24.237	20.551	20.140
BANK 4	67.920	67.526	19.560	19.774	26.162	26.162	27.321	21.013	20.532	20.243
BANK 5	22.235	20.619	0.000	0.000	0.000	0.000	71.418	70.672	70.552	72.012
BANK 6	20.200	20.619	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BANK 7	22.235	22.231	0.530	35.840	49.750	49.750	0.000	0.000	0.000	0.000
415 READING AT 840171										
BANK 1	70.345	70.819	0.000	0.000	72.343	68.728	0.000	67.874	67.846	0.000
BANK 2	80.455	81.012	73.772	73.778	73.704	72.682	69.201	69.893	69.873	70.178
BANK 3	70.532	64.727	68.482	67.943	66.885	66.558	66.860	24.237	20.551	20.140
BANK 4	67.920	67.526	19.560	19.774	26.162	26.162	27.321	21.013	20.532	20.243
BANK 5	22.235	20.619	0.000	0.000	0.000	0.000	71.418	70.672	70.552	72.012
BANK 6	20.200	20.619	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BANK 7	22.235	22.231	0.530	35.840	49.750	49.750	0.000	0.000	0.000	0.000
416 READING AT 840171										
BANK 1	69.667	70.829	0.000	0.000	72.333	68.798	0.000	69.854	69.826	0.000
BANK 2	80.455	81.012	73.772	73.778	73.704	72.682	69.201	69.893	69.873	70.178
BANK 3	70.532	64.727	68.482	67.943	66.885	66.558	66.860	24.237	20.551	20.140
BANK 4	67.920	67.526	19.560	19.774	26.162	26.162	27.321	21.013	20.532	20.243
BANK 5	22.235	20.619	0.000	0.000	0.000	0.000	71.418	70.672	70.552	72.012
BANK 6	20.200	20.619	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BANK 7	22.235	22.231	0.530	35.840	49.750	49.750	0.000	0.000	0.000	0.000
417 READING AT 840171										
BANK 1	70.345	70.819	0.000	0.000	72.343	68.728	0.000	67.874	67.846	0.000
BANK 2	80.455	81.012	73.772	73.778	73.704	72.682	69.201	69.893	69.873	70.178
BANK 3	70.532	64.727	68.482	67.943	66.885	66.558	66.860	24.237	20.551	20.140
BANK 4	67.920	67.526	19.560	19.774	26.162	26.162	27.321	21.013	20.532	20.243
BANK 5	22.235	20.619	0.000	0.000	0.000	0.000	71.418	70.672	70.552	72.012
BANK 6	20.200	20.619	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BANK 7	22.235	22.231	0.530	35.840	49.750	49.750	0.000	0.000	0.000	0.000

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419 READING AT 840171 200								
BANK 1	69.617	70.819	0.000	72.333	68.788	69.844	69.826	0.000
BANK 2	80.465	80.982	73.522	73.484	72.682	69.682	68.845	70.176
BANK 3	67.522	67.492	67.800	66.442	66.973	69.013	70.519	68.022
BANK 4	67.412	67.526	67.843	66.295	66.658	66.800	68.033	20.409
BANK 5	21.136	22.449	19.890	19.603	28.620	24.271	20.572	20.218
BANK 6	20.200	20.619	0.000	0.000	0.000	71.398	70.682	78.032
BANK 7	22.235	22.234	0.590	36.310	49.800	0.000	0.000	0.000
419 READING AT 840171 210								
BANK 1	70.316	70.899	0.000	72.343	68.788	69.644	69.826	0.000
BANK 2	80.495	81.002	73.552	72.484	72.662	69.791	68.845	70.166
BANK 3	67.522	67.492	67.790	66.442	66.964	69.613	70.519	68.162
BANK 4	67.412	67.526	67.843	66.295	66.658	69.923	70.419	69.190
BANK 5	21.136	22.449	20.010	20.302	28.620	23.723	20.572	20.223
BANK 6	20.200	20.619	0.000	0.000	0.000	71.398	70.672	78.932
BANK 7	22.235	22.234	0.590	36.310	49.830	0.000	0.000	0.000
420 READING AT 840171 220								
BANK 1	69.627	70.829	0.000	72.333	68.768	69.644	69.816	0.000
BANK 2	80.475	80.982	73.532	72.484	72.672	69.672	68.845	70.156
BANK 3	67.512	67.482	67.790	66.442	66.944	69.643	70.519	68.192
BANK 4	67.402	67.516	67.823	66.295	66.688	66.820	68.029	20.598
BANK 5	21.126	21.585	20.420	21.000	28.700	23.984	20.541	20.233
BANK 6	20.200	20.629	0.000	0.000	0.000	71.403	70.672	78.892
BANK 7	22.234	22.235	0.590	36.170	49.790	0.000	0.000	0.000
421 READING AT 840171 230								
BANK 1	70.336	70.919	0.000	72.343	68.788	69.644	69.846	0.000
BANK 2	80.425	80.982	73.522	72.484	72.672	69.791	68.845	70.156
BANK 3	67.502	67.472	67.780	66.442	66.924	69.613	70.519	68.092
BANK 4	67.392	67.506	67.813	66.295	66.688	66.890	68.039	21.223
BANK 5	21.126	21.585	20.530	21.415	28.641	23.115	20.532	20.223
BANK 6	20.190	20.619	0.000	0.000	0.000	71.419	70.672	78.882
BANK 7	22.234	22.235	0.430	36.240	49.850	0.000	0.000	0.000
422 READING AT 840171 240								
BANK 1	69.627	70.819	0.000	72.333	68.778	69.644	69.846	0.000
BANK 2	80.425	80.932	73.522	72.484	72.672	69.791	68.845	70.156
BANK 3	67.502	67.472	67.780	66.442	66.983	69.613	70.496	69.132
BANK 4	67.392	67.506	67.813	66.295	66.628	66.830	68.259	21.743
BANK 5	21.126	21.585	20.530	21.415	28.641	23.115	20.532	20.223
BANK 6	20.180	20.609	0.000	0.000	0.000	71.408	70.672	78.872
BANK 7	22.238	22.239	0.300	36.300	49.800	0.000	0.000	0.000
423 READING AT 840171 250								
BANK 1	70.316	70.889	0.000	72.343	68.788	69.644	69.846	0.000
BANK 2	80.395	80.942	73.542	72.484	72.672	69.842	68.845	70.156
BANK 3	67.502	67.472	67.770	66.442	66.983	69.673	70.566	68.082
BANK 4	67.392	67.506	67.813	66.295	66.688	66.890	68.033	21.219
BANK 5	21.126	21.585	20.450	21.473	28.640	23.115	20.512	20.223
BANK 6	20.170	20.599	0.000	0.000	0.000	71.408	70.672	78.912
BANK 7	22.240	22.234	0.230	36.210	49.800	0.000	0.000	0.000
424 READING AT 840171 300								
BANK 1	69.637	70.839	0.000	72.333	68.778	69.644	69.846	0.000
BANK 2	80.405	80.962	73.532	72.484	72.672	69.762	68.845	70.156
BANK 3	67.492	67.462	67.800	66.442	66.973	69.653	70.600	69.262
BANK 4	67.382	67.496	67.813	66.295	66.628	66.820	68.274	21.672
BANK 5	21.126	21.585	21.240	21.000	27.458	22.696	20.482	20.243
BANK 6	20.160	20.589	0.000	0.000	0.000	71.418	70.672	78.872
BANK 7	22.234	22.230	0.120	36.330	49.830	0.000	0.000	0.000
425 READING AT 840171 310								

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BANK 1	70.316	70.889	0.000	0.000	72.343	68.768	0.000	69.834	69.816	0.000
BANK 2	80.405	80.912	79.732	73.552	72.424	72.642	69.761	68.915	69.853	70.156
BANK 3	70.502	64.707	68.472	67.790	69.442	68.983	69.863	67.935	70.606	68.002
BANK 4	67.930	67.422	67.596	67.813	66.885	66.628	66.840	23.020	30.212	21.713
BANK 5	22.194	21.832	19.718	21.891	20.791	27.408	22.666	21.013	20.482	20.233
BANK 6	20.160	20.589	0.000	0.000	0.000	0.000	71.418	70.672	69.662	78.952
BANK 7	22.234	22.234	22.229	0.130	36.180	49.860	0.000	0.000	0.000	0.000

426 READING AT 840171 320

BANK 1	69.607	70.799	0.000	0.000	72.323	68.778	0.000	69.834	69.816	0.000
BANK 2	80.405	80.952	79.772	73.552	72.484	72.652	69.852	68.915	69.853	70.156
BANK 3	70.492	64.687	68.512	67.770	69.482	68.973	69.873	67.925	70.436	68.032
BANK 4	67.960	67.452	67.606	67.823	66.995	66.568	66.820	22.980	31.070	21.583
BANK 5	22.374	21.405	19.768	23.561	20.571	27.548	22.577	21.013	20.482	20.233
BANK 6	20.160	20.572	0.000	0.000	0.000	0.000	71.408	70.682	69.782	78.872
BANK 7	22.234	22.232	22.229	0.070	36.060	49.860	0.000	0.000	0.000	0.000

427 READING AT 840171 330

BANK 1	70.326	70.889	0.000	0.000	72.343	68.778	0.000	69.824	69.826	70.000
BANK 2	80.385	80.962	79.742	73.542	72.424	72.662	69.662	68.915	69.843	70.146
BANK 3	70.502	64.677	68.522	67.760	69.482	68.973	69.863	67.925	70.656	67.982
BANK 4	67.920	67.472	67.586	67.823	66.855	66.618	66.800	23.030	25.805	21.484
BANK 5	22.622	21.505	19.818	24.831	20.412	27.189	22.467	21.013	20.472	20.243
BANK 6	20.170	20.589	0.000	0.000	0.000	0.000	71.398	70.662	69.722	78.892
BANK 7	22.232	22.234	22.229	0.120	35.900	49.870	0.000	0.000	0.000	0.000

428 READING AT 840171 340

BANK 1	69.627	70.799	0.000	0.000	72.333	68.768	0.000	69.824	69.826	0.000
BANK 2	80.365	80.952	79.712	73.542	72.474	72.652	69.662	68.895	69.843	70.146
BANK 3	70.502	64.697	68.492	67.740	69.472	68.973	69.853	67.895	70.456	68.032
BANK 4	67.950	67.392	67.556	67.803	66.915	66.528	66.860	23.020	22.040	21.230
BANK 5	22.683	21.525	19.808	21.581	20.312	26.950	22.497	21.013	20.482	20.233
BANK 6	20.160	20.589	0.000	0.000	0.000	0.000	71.398	70.662	69.672	78.862
BANK 7	22.233	22.233	22.228	0.210	36.000	49.820	0.000	0.000	0.000	0.000

429 READING AT 840171 350

BANK 1	70.326	70.889	0.000	0.000	72.333	68.788	0.000	69.834	69.816	0.000
BANK 2	80.375	80.932	79.712	73.532	72.484	72.642	69.741	68.885	69.843	70.146
BANK 3	70.502	64.677	68.512	67.740	69.482	68.973	69.843	67.935	70.436	68.072
BANK 4	67.930	67.392	67.576	67.793	66.925	66.638	66.840	23.050	21.807	21.136
BANK 5	22.294	21.905	20.257	20.560	20.242	28.875	22.497	21.013	20.502	20.223
BANK 6	20.160	20.589	0.000	0.000	0.000	0.000	71.388	70.672	69.732	78.912
BANK 7	22.233	22.232	22.228	0.320	35.840	49.820	0.000	0.000	0.000	0.000

430 READING AT 840171 400

BANK 1	69.647	70.789	0.000	0.000	72.323	68.768	0.000	69.834	69.796	0.000
BANK 2	80.375	80.932	79.704	73.532	72.434	72.632	69.731	68.885	69.843	70.136
BANK 3	70.502	64.687	68.482	67.740	69.501	68.944	69.873	67.945	70.556	68.032
BANK 4	67.880	67.442	67.576	67.803	66.775	66.608	66.830	23.110	21.528	20.006
BANK 5	21.975	23.476	22.323	20.060	20.202	28.625	22.467	21.013	20.512	20.213
BANK 6	20.150	20.589	0.000	0.000	0.000	0.000	71.418	70.662	70.042	78.942
BANK 7	22.232	22.233	22.230	0.380	35.530	49.830	0.000	0.000	0.000	0.000

431 READING AT 840171 410

BANK 1	70.346	70.889	0.000	0.000	72.333	68.778	0.000	69.824	69.816	0.000
BANK 2	80.365	80.902	79.712	73.552	72.424	72.632	69.791	68.875	69.853	70.156
BANK 3	70.502	64.697	68.442	67.740	69.452	68.964	69.883	67.935	70.476	68.082
BANK 4	67.920	67.432	67.556	67.793	66.715	66.673	66.830	23.040	21.448	20.907
BANK 5	21.815	25.477	23.720	19.840	20.122	30.840	22.527	21.013	20.512	20.216
BANK 6	20.140	20.579	0.000	0.000	0.000	0.000	71.398	70.662	69.862	78.802
BANK 7	22.232	22.232	22.228	0.480	35.840	49.760	0.000	0.000	0.000	0.000

432 READING AT 840171 420

BANK 1	69.637	70.789	0.000	0.000	72.313	68.778	0.000	69.824	69.816	0.000
BANK 2	80.345	80.892	79.722	73.552	72.374	72.613	69.712	68.885	69.853	70.156

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BANK 3	70.502	67.472	67.770	67.785	67.773	67.975	70.596	68.064
BANK 4	67.210	67.422	67.603	66.725	66.648	66.890	21.348	20.807
BANK 5	21.855	24.897	19.670	20.571	32.585	22.527	20.532	20.223
BANK 6	1.150	20.589	0.000	0.000	0.000	71.408	69.742	78.802
BANK 7	2.232	22.227	0.580	35.770	49.810	0.000	0.000	0.000
435 READING AT 840171 450								
BANK 1	70.346	0.000	0.000	72.342	65.776	69.824	69.824	0.000
BANK 2	80.345	80.902	79.722	73.444	72.613	68.672	68.672	70.156
BANK 3	70.502	64.687	67.760	65.442	65.673	68.672	68.672	70.156
BANK 4	67.680	67.402	67.513	67.572	68.956	68.672	68.672	70.156
BANK 5	21.855	24.897	19.670	20.571	32.585	22.527	20.532	20.223
BANK 6	1.150	20.589	0.000	0.000	0.000	71.408	69.742	78.802
BANK 7	2.232	22.227	0.580	35.770	49.810	0.000	0.000	0.000
434 READING AT 840171 440								
BANK 1	69.647	70.809	0.000	72.323	68.758	69.824	69.824	0.000
BANK 2	80.345	80.902	79.682	73.522	72.613	68.672	68.672	70.156
BANK 3	70.502	64.687	67.760	65.442	65.673	68.672	68.672	70.156
BANK 4	67.680	67.402	67.513	67.572	68.956	68.672	68.672	70.156
BANK 5	21.855	24.897	19.670	20.571	32.585	22.527	20.532	20.223
BANK 6	1.150	20.589	0.000	0.000	0.000	71.408	69.742	78.802
BANK 7	2.232	22.227	0.580	35.770	49.810	0.000	0.000	0.000
433 READING AT 840171 450								
BANK 1	70.346	0.000	0.000	72.333	68.758	69.834	69.834	0.000
BANK 2	80.345	80.892	79.692	73.444	72.613	68.672	68.672	70.156
BANK 3	70.492	64.677	67.750	65.401	65.673	68.672	68.672	70.156
BANK 4	67.950	67.392	67.813	67.872	68.918	68.672	68.672	70.156
BANK 5	21.864	23.063	19.606	20.488	32.491	22.437	22.437	22.721
BANK 6	20.160	20.569	0.000	0.000	0.000	71.398	70.652	78.852
BANK 7	22.232	22.227	0.580	35.770	49.800	0.000	0.000	0.000
432 READING AT 840171 500								
BANK 1	69.667	70.809	0.000	72.342	68.748	69.788	69.788	0.000
BANK 2	80.335	80.892	79.682	73.444	72.623	68.672	68.672	70.156
BANK 3	70.482	64.677	67.690	65.432	65.673	68.672	68.672	70.156
BANK 4	67.920	67.516	67.803	67.891	68.944	68.672	68.672	70.156
BANK 5	21.307	22.285	19.606	20.488	32.491	22.437	22.437	22.721
BANK 6	20.140	20.559	0.000	0.000	0.000	71.388	70.652	78.852
BANK 7	22.231	22.227	0.580	35.770	49.830	0.000	0.000	0.000
431 READING AT 840171 510								
BANK 1	70.306	70.879	0.000	72.323	68.748	69.804	69.804	0.000
BANK 2	80.315	80.872	79.682	73.444	72.623	68.672	68.672	70.156
BANK 3	70.472	64.657	67.740	65.472	65.673	68.672	68.672	70.156
BANK 4	67.950	67.485	67.803	67.872	68.944	68.672	68.672	70.156
BANK 5	21.666	21.885	19.606	20.488	32.491	22.437	22.437	22.721
BANK 6	20.120	20.549	0.000	0.000	0.000	71.388	70.652	78.802
BANK 7	22.231	22.230	0.580	35.770	49.830	0.000	0.000	0.000
430 READING AT 840171 520								
BANK 1	70.296	70.869	0.000	72.333	68.748	69.824	69.824	0.000
BANK 2	80.305	80.872	79.682	73.444	72.632	68.672	68.672	70.156
BANK 3	70.482	64.662	67.750	65.472	65.673	68.672	68.672	70.156
BANK 4	67.840	67.385	67.783	67.845	68.934	68.672	68.672	70.156
BANK 5	21.865	21.765	19.700	21.498	32.361	22.557	20.983	20.173
BANK 6	20.120	20.549	0.000	0.000	0.000	71.388	70.652	78.812
BANK 7	22.230	22.231	0.580	35.770	49.820	0.000	0.000	0.000
429 READING AT 840171 530								
BANK 1	69.617	70.779	0.000	72.342	68.758	69.824	69.824	0.000
BANK 2	80.265	80.872	79.682	73.444	72.623	68.672	68.672	70.156
BANK 3	70.472	64.677	67.710	65.472	65.673	68.672	68.672	70.156
BANK 4	67.870	67.402	67.783	67.875	68.934	68.672	68.672	70.156

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BANK 5 21.786 21.615 19.289 19.610 20.890 26.371 22.766 20.883 20.472 20.173  
 BANK 6 20.190 20.549 0.000 0.000 0.000 0.000 71.368 70.652 70.352 78.912  
 BANK 7 22.229 22.229 22.225 0.200 35.580 49.880 0.000 0.000 0.000 0.000

440 READING AT 840171 540  
 BANK 1 70.336 70.336 0.000 6.000 72.343 68.768 0.000 62.824 69.766 0.000  
 BANK 2 80.380 80.380 0.000 0.000 76.139 72.609 69.871 69.871 69.871 70.139  
 BANK 3 70.472 70.472 0.000 0.000 76.139 76.139 69.871 69.871 69.871 70.139  
 BANK 4 67.870 67.870 67.906 67.773 66.875 66.568 66.770 66.770 66.770 67.870  
 BANK 5 21.436 21.436 19.210 19.430 20.551 26.401 22.936 20.673 20.465 20.173  
 BANK 6 20.090 20.090 0.000 0.000 0.000 49.850 71.398 70.672 70.482 78.912  
 BANK 7 22.229 22.229 22.225 0.200 35.580 49.880 0.000 0.000 0.000 0.000

441 READING AT 840171 550  
 BANK 1 69.637 69.637 0.000 0.000 72.313 68.748 0.000 62.824 69.778 0.000  
 BANK 2 80.375 80.375 0.000 0.000 76.119 72.613 69.833 69.833 69.833 70.119  
 BANK 3 70.462 70.462 0.000 0.000 76.119 76.119 69.833 69.833 69.833 70.119  
 BANK 4 67.870 67.870 67.906 67.773 66.875 66.568 66.770 66.770 66.770 67.870  
 BANK 5 21.436 21.436 19.210 19.430 20.551 26.401 22.936 20.673 20.465 20.173  
 BANK 6 20.090 20.090 0.000 0.000 0.000 49.850 71.398 70.672 70.482 78.912  
 BANK 7 22.229 22.229 22.225 0.200 35.580 49.880 0.000 0.000 0.000 0.000

442 READING AT 840171 600  
 BANK 1 70.336 70.336 0.000 0.000 72.313 68.748 0.000 62.824 69.786 0.000  
 BANK 2 80.375 80.375 0.000 0.000 76.119 72.613 69.833 69.833 69.833 70.119  
 BANK 3 70.462 70.462 0.000 0.000 76.119 76.119 69.833 69.833 69.833 70.119  
 BANK 4 67.870 67.870 67.906 67.773 66.875 66.568 66.770 66.770 66.770 67.870  
 BANK 5 21.436 21.436 19.210 19.430 20.551 26.401 22.936 20.673 20.465 20.173  
 BANK 6 20.090 20.090 0.000 0.000 0.000 49.850 71.398 70.672 70.482 78.912  
 BANK 7 22.229 22.229 22.225 0.200 35.580 49.880 0.000 0.000 0.000 0.000

443 READING AT 840171 610  
 BANK 1 70.316 70.316 0.000 0.000 72.313 68.738 0.000 62.804 69.786 0.000  
 BANK 2 80.375 80.375 0.000 0.000 76.119 72.613 69.833 69.833 69.833 70.119  
 BANK 3 70.472 70.472 0.000 0.000 76.119 76.119 69.833 69.833 69.833 70.119  
 BANK 4 67.870 67.870 67.906 67.773 66.875 66.568 66.770 66.770 66.770 67.870  
 BANK 5 21.436 21.436 19.210 19.430 20.551 26.401 22.936 20.673 20.465 20.173  
 BANK 6 20.090 20.090 0.000 0.000 0.000 49.850 71.398 70.672 70.482 78.912  
 BANK 7 22.229 22.229 22.225 0.200 35.580 49.880 0.000 0.000 0.000 0.000

444 READING AT 840171 620  
 BANK 1 69.617 69.617 0.000 0.000 72.303 68.728 0.000 62.814 69.786 0.000  
 BANK 2 80.375 80.375 0.000 0.000 76.119 72.613 69.833 69.833 69.833 70.119  
 BANK 3 70.472 70.472 0.000 0.000 76.119 76.119 69.833 69.833 69.833 70.119  
 BANK 4 67.870 67.870 67.906 67.773 66.875 66.568 66.770 66.770 66.770 67.870  
 BANK 5 21.436 21.436 19.210 19.430 20.551 26.401 22.936 20.673 20.465 20.173  
 BANK 6 20.090 20.090 0.000 0.000 0.000 49.850 71.398 70.672 70.482 78.912  
 BANK 7 22.229 22.229 22.225 0.200 35.580 49.880 0.000 0.000 0.000 0.000

445 READING AT 840171 630  
 BANK 1 70.316 70.316 0.000 0.000 72.303 68.728 0.000 62.814 69.778 0.000  
 BANK 2 80.375 80.375 0.000 0.000 76.119 72.613 69.833 69.833 69.833 70.119  
 BANK 3 70.462 70.462 0.000 0.000 76.119 76.119 69.833 69.833 69.833 70.119  
 BANK 4 67.870 67.870 67.906 67.773 66.875 66.568 66.770 66.770 66.770 67.870  
 BANK 5 21.436 21.436 19.210 19.430 20.551 26.401 22.936 20.673 20.465 20.173  
 BANK 6 20.090 20.090 0.000 0.000 0.000 49.850 71.398 70.672 70.482 78.912  
 BANK 7 22.229 22.229 22.225 0.200 35.580 49.880 0.000 0.000 0.000 0.000

446 READING AT 840171 640  
 BANK 1 69.607 69.607 0.000 0.000 72.313 68.738 0.000 62.784 69.778 0.000  
 BANK 2 80.375 80.375 0.000 0.000 76.119 72.613 69.833 69.833 69.833 70.119  
 BANK 3 70.452 70.452 0.000 0.000 76.119 76.119 69.833 69.833 69.833 70.119  
 BANK 4 67.870 67.870 67.906 67.773 66.875 66.568 66.770 66.770 66.770 67.870  
 BANK 5 21.436 21.436 19.210 19.430 20.551 26.401 22.936 20.673 20.465 20.173  
 BANK 6 20.090 20.090 0.000 0.000 0.000 49.850 71.398 70.672 70.482 78.912  
 BANK 7 22.229 22.229 22.225 0.200 35.580 49.880 0.000 0.000 0.000 0.000

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BANK 7 22.229 22.230 22.225 0.430 36.180 49.950 0.000 0.000 0.000 0.000

447 READING AT 840171 650  
 BANK 1 70.316 70.609 0.000 0.000 72.303 68.738 0.000 69.774 69.766 0.000  
 BANK 2 60.442 60.774 79.562 73.492 73.404 72.603 69.911 68.633 69.523 70.115  
 BANK 3 64.557 65.442 67.720 67.700 65.432 63.614 67.965 67.505 70.576 68.002  
 BANK 4 67.800 67.982 67.996 67.996 67.152 66.538 66.920 64.779 60.650 69.119  
 BANK 5 76.750 73.816 75.778 75.778 75.150 76.112 76.585 70.442 70.442 70.123  
 BANK 6 19.681 20.549 0.000 0.000 0.000 0.000 71.368 70.472 70.472 0.000  
 BANK 7 22.229 22.230 22.225 0.410 36.180 49.930 0.000 0.000 0.000 0.000

448 READING AT 840171 700  
 BANK 1 70.282 70.529 0.000 0.000 72.323 69.728 0.000 69.794 69.776 0.000  
 BANK 2 60.752 60.752 79.602 73.492 73.414 72.773 69.632 68.815 69.013 70.116  
 BANK 3 64.557 64.557 67.996 67.996 67.152 66.734 67.880 67.996 70.469 69.774  
 BANK 4 67.800 67.800 67.996 67.996 67.152 66.518 66.820 64.777 60.581 70.120  
 BANK 5 76.750 73.816 75.778 75.778 75.150 76.112 76.585 70.442 70.442 70.123  
 BANK 6 19.681 20.549 0.000 0.000 0.000 0.000 71.371 70.442 70.442 70.123  
 BANK 7 22.229 22.230 22.225 0.410 36.180 49.970 0.000 0.000 0.000 0.000

449 READING AT 840171 710  
 BANK 1 69.617 70.769 0.000 0.000 72.303 68.728 0.000 69.724 69.776 0.000  
 BANK 2 60.752 60.752 79.602 73.492 73.414 72.773 69.791 68.815 69.013 70.116  
 BANK 3 64.557 64.557 67.996 67.996 67.152 66.564 67.880 67.996 70.576 68.022  
 BANK 4 67.800 67.800 67.996 67.996 67.152 66.508 66.810 64.777 60.581 70.120  
 BANK 5 76.750 73.816 75.778 75.778 75.150 76.112 76.585 70.442 70.442 70.123  
 BANK 6 19.681 20.549 0.000 0.000 0.000 0.000 71.376 70.442 70.442 70.123  
 BANK 7 22.229 22.230 22.225 0.410 36.260 50.040 0.000 0.000 0.000 0.000

450 READING AT 840171 720  
 BANK 1 70.306 70.899 0.000 0.000 72.311 69.739 0.000 69.804 69.776 0.000  
 BANK 2 60.752 60.752 79.602 73.492 73.414 72.773 69.802 68.815 69.013 70.116  
 BANK 3 64.557 64.557 67.996 67.996 67.152 66.518 67.880 67.996 70.576 68.062  
 BANK 4 67.800 67.800 67.996 67.996 67.152 66.508 66.810 64.777 60.581 70.120  
 BANK 5 76.750 73.816 75.778 75.778 75.150 76.112 76.585 70.442 70.442 70.123  
 BANK 6 19.681 20.549 0.000 0.000 0.000 0.000 71.376 70.442 70.442 70.123  
 BANK 7 22.230 22.230 22.225 0.390 36.360 49.970 0.000 0.000 0.000 0.000

451 READING AT 840171 730  
 BANK 1 69.647 70.749 0.000 0.000 72.303 68.718 0.000 69.804 69.776 0.000  
 BANK 2 60.752 60.752 79.602 73.492 73.414 72.773 69.802 68.815 69.013 70.116  
 BANK 3 64.557 64.557 67.996 67.996 67.152 66.518 67.880 67.996 70.576 68.062  
 BANK 4 67.800 67.800 67.996 67.996 67.152 66.508 66.810 64.777 60.581 70.120  
 BANK 5 76.750 73.816 75.778 75.778 75.150 76.112 76.585 70.442 70.442 70.123  
 BANK 6 19.681 20.549 0.000 0.000 0.000 0.000 71.368 70.442 70.442 70.123  
 BANK 7 22.230 22.230 22.225 0.350 36.330 49.980 0.000 0.000 0.000 0.000

452 READING AT 840171 740  
 BANK 1 70.326 70.899 0.000 0.000 72.379 69.739 0.000 69.794 69.758 0.000  
 BANK 2 60.752 60.752 79.602 73.492 73.414 72.773 69.802 68.815 69.013 70.116  
 BANK 3 64.557 64.557 67.996 67.996 67.152 66.518 67.880 67.996 70.576 68.062  
 BANK 4 67.800 67.800 67.996 67.996 67.152 66.508 66.810 64.777 60.581 70.120  
 BANK 5 76.750 73.816 75.778 75.778 75.150 76.112 76.585 70.442 70.442 70.123  
 BANK 6 19.681 20.549 0.000 0.000 0.000 0.000 71.368 70.442 70.442 70.123  
 BANK 7 22.230 22.230 22.225 0.390 36.330 49.970 0.000 0.000 0.000 0.000

453 READING AT 840171 750  
 BANK 1 69.647 70.749 0.000 0.000 72.283 68.708 0.000 69.794 69.756 0.000  
 BANK 2 60.752 60.752 79.602 73.492 73.414 72.773 69.802 68.815 69.013 70.116  
 BANK 3 64.557 64.557 67.996 67.996 67.152 66.518 67.880 67.996 70.576 68.062  
 BANK 4 67.800 67.800 67.996 67.996 67.152 66.508 66.810 64.777 60.581 70.120  
 BANK 5 76.750 73.816 75.778 75.778 75.150 76.112 76.585 70.442 70.442 70.123  
 BANK 6 19.681 20.549 0.000 0.000 0.000 0.000 71.368 70.442 70.442 70.123  
 BANK 7 22.230 22.230 22.225 0.440 36.270 49.950 0.000 0.000 0.000 0.000

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454 READING AT 840171: 809										
BANK 1	70.374	70.829	0.000	0.000	72.303	68.708	0.000	69.784	69.776	0.000
BANK 2	80.235	80.742	79.542	73.502	72.404	72.543	69.741	68.825	60.103	70.026
BANK 3	70.442	64.487	68.432	67.660	62.412	68.914	69.633	70.406	67.982	0.000
BANK 4	21.008	21.757	21.814	16.670	18.525	26.740	24.101	20.923	20.472	20.123
BANK 5	19.801	20.247	20.009	0.000	0.000	0.000	71.368	70.812	69.692	78.703
BANK 6	22.225	22.225	22.225	0.000	36.200	49.980	0.000	0.000	0.000	0.000
455 READING AT 840171: 810										
BANK 1	69.627	70.749	0.000	0.000	71.303	66.708	0.000	69.776	69.776	0.000
BANK 2	80.235	80.742	79.542	73.502	72.404	72.543	69.741	68.825	60.103	70.026
BANK 3	70.442	64.487	68.432	67.660	62.412	68.914	69.633	70.406	67.982	0.000
BANK 4	21.008	21.757	21.814	16.670	18.525	26.740	24.101	20.923	20.472	20.123
BANK 5	19.801	20.247	20.009	0.000	0.000	0.000	71.368	70.812	69.692	78.703
BANK 6	22.225	22.225	22.225	0.000	36.200	49.980	0.000	0.000	0.000	0.000
456 READING AT 840171: 811										
BANK 1	70.374	70.829	0.000	0.000	72.303	68.718	0.000	69.784	69.776	0.000
BANK 2	80.235	80.742	79.542	73.502	72.404	72.543	69.741	68.825	60.103	70.026
BANK 3	70.442	64.487	68.432	67.660	62.412	68.914	69.633	70.406	67.982	0.000
BANK 4	21.008	21.757	21.814	16.670	18.525	26.740	24.101	20.923	20.472	20.123
BANK 5	19.801	20.247	20.009	0.000	0.000	0.000	71.368	70.812	69.692	78.703
BANK 6	22.225	22.225	22.225	0.000	36.200	49.980	0.000	0.000	0.000	0.000
457 READING AT 840171: 830										
BANK 1	69.647	70.739	0.000	0.000	72.303	68.718	0.000	69.784	69.745	0.000
BANK 2	80.115	80.723	79.572	73.482	72.404	72.573	69.682	68.815	60.103	70.026
BANK 3	70.452	64.497	68.497	67.697	62.412	68.914	69.730	70.406	67.982	0.000
BANK 4	21.008	21.757	21.814	16.670	18.525	26.740	24.101	20.923	20.472	20.123
BANK 5	19.801	20.247	20.009	0.000	0.000	0.000	71.368	70.812	69.692	78.703
BANK 6	22.225	22.225	22.225	0.000	36.200	49.980	0.000	0.000	0.000	0.000
458 READING AT 840171: 840										
BANK 1	70.374	70.829	0.000	0.000	72.313	68.718	0.000	69.784	69.766	0.000
BANK 2	80.209	80.727	79.592	73.508	72.409	72.583	69.633	68.812	60.103	70.026
BANK 3	70.462	64.477	68.477	67.677	62.412	68.914	69.603	70.406	67.982	0.000
BANK 4	21.008	21.757	21.814	16.670	18.525	26.740	24.101	20.923	20.472	20.123
BANK 5	19.801	20.247	20.009	0.000	0.000	0.000	71.368	70.812	69.692	78.703
BANK 6	22.225	22.225	22.225	0.000	36.200	49.980	0.000	0.000	0.000	0.000
459 READING AT 840171: 850										
BANK 1	69.637	70.749	0.000	0.000	72.313	68.718	0.000	69.784	69.745	0.000
BANK 2	80.185	80.715	79.592	73.482	72.409	72.583	69.603	68.812	60.103	70.026
BANK 3	70.462	64.477	68.477	67.677	62.412	68.914	69.573	70.406	67.982	0.000
BANK 4	21.008	21.757	21.814	16.670	18.525	26.740	24.101	20.923	20.472	20.123
BANK 5	19.801	20.247	20.009	0.000	0.000	0.000	71.368	70.812	69.692	78.703
BANK 6	22.225	22.225	22.225	0.000	36.200	49.980	0.000	0.000	0.000	0.000
460 READING AT 840171: 900										
BANK 1	70.374	70.819	0.000	0.000	72.313	68.718	0.000	69.784	69.745	0.000
BANK 2	80.195	80.742	79.592	73.478	72.409	72.594	69.633	68.812	60.103	70.026
BANK 3	70.442	64.487	68.432	67.676	62.402	68.914	69.603	70.406	67.982	0.000
BANK 4	21.008	21.757	21.814	16.670	18.525	26.740	24.101	20.923	20.472	20.123
BANK 5	19.801	20.247	20.009	0.000	0.000	0.000	71.368	70.812	69.692	78.703
BANK 6	22.225	22.225	22.225	0.000	36.200	49.980	0.000	0.000	0.000	0.000
461 READING AT 840171: 910										
BANK 1	69.637	70.749	0.000	0.000	72.283	68.708	0.000	69.784	69.745	0.000

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BANK 2	80.175	80.713	79.502	73.462	72.384	72.583	69.731	68.815	69.793	70.126
BANK 3	70.436	64.507	68.372	67.650	69.412	68.934	69.873	67.825	70.436	68.022
BANK 4	67.790	67.392	67.556	67.743	66.795	66.428	66.790	23.180	30.072	21.583
BANK 5	22.065	23.946	19.549	21.891	20.422	27.339	22.567	21.013	20.452	20.093
BANK 6	20.080	20.509	0.000	0.000	0.000	0.000	71.378	70.602	70.232	78.663
BANK 7	22.229	22.229	22.226	0.360	35.750	50.020	0.000	0.000	0.000	0.000

462 READING AT 84017: 920

BANK 1	70.336	70.819	0.000	0.000	72.303	68.728	0.000	69.794	69.756	0.000
BANK 2	80.185	80.733	79.522	73.462	72.354	72.533	69.612	68.815	69.803	70.106
BANK 3	70.442	64.517	68.372	67.710	69.442	68.924	69.883	67.845	70.356	68.092
BANK 4	67.850	67.322	67.506	67.743	66.885	66.508	66.810	23.060	30.260	21.534
BANK 5	22.424	24.106	19.509	23.631	20.292	27.508	22.666	21.013	20.442	20.083
BANK 6	20.090	20.509	0.000	0.000	0.000	0.000	71.358	70.612	70.102	78.613
BANK 7	22.229	22.231	22.225	0.630	35.720	50.050	0.000	0.000	0.000	0.000

463 READING AT 84017: 930

BANK 1	69.627	70.759	0.000	0.000	72.283	68.708	0.000	69.794	69.756	0.000
BANK 2	80.185	80.713	79.522	73.462	72.354	72.533	69.771	68.810	69.793	70.096
BANK 3	70.442	64.517	68.372	67.650	69.412	68.924	69.833	67.795	70.396	68.012
BANK 4	67.830	67.402	67.466	67.743	66.795	66.398	66.730	23.180	25.456	21.464
BANK 5	22.453	24.206	19.559	28.862	20.232	27.029	22.457	20.993	20.442	20.083
BANK 6	20.100	20.509	0.000	0.000	0.000	0.000	71.358	70.622	70.012	78.603
BANK 7	22.229	22.234	22.224	0.360	35.750	50.030	0.000	0.000	0.000	0.000

464 READING AT 84017: 940

BANK 1	70.346	70.819	0.000	0.000	72.303	68.718	0.000	69.784	69.756	0.000
BANK 2	80.185	80.683	79.522	73.462	72.414	72.543	69.712	68.815	69.803	70.106
BANK 3	70.452	64.547	68.392	67.680	69.402	68.924	69.883	67.865	70.376	67.972
BANK 4	67.800	67.362	67.456	67.743	66.855	66.378	66.770	23.130	22.285	21.235
BANK 5	22.942	24.080	20.090	21.841	20.092	27.009	22.487	20.778	20.452	20.103
BANK 6	20.110	20.509	0.000	0.000	0.000	0.000	71.358	70.612	70.122	78.643
BANK 7	22.227	22.229	22.223	0.430	35.690	49.970	0.000	0.000	0.000	0.000

465 READING AT 84017: 950

BANK 1	69.627	70.759	0.000	0.000	72.283	68.708	0.000	69.794	69.737	0.000
BANK 2	80.175	80.683	79.512	73.472	72.354	72.533	69.662	68.815	69.773	70.096
BANK 3	70.442	64.577	68.392	67.690	69.372	68.934	69.863	67.865	70.297	68.002
BANK 4	67.870	67.222	67.456	67.743	66.892	66.378	66.763	23.140	21.787	21.173
BANK 5	22.453	23.756	20.527	20.490	20.063	28.017	22.497	20.993	20.482	20.123
BANK 6	20.100	20.519	0.000	0.000	0.000	0.000	71.378	70.622	69.792	78.593
BANK 7	22.229	22.228	22.224	0.560	35.700	50.040	0.000	0.000	0.000	0.000

466 READING AT 84017: 1000

BANK 1	70.336	70.829	0.000	0.000	72.293	68.698	0.000	69.784	69.737	0.000
BANK 2	80.185	80.693	79.502	73.482	72.384	72.553	69.761	68.825	69.793	70.096
BANK 3	70.432	64.581	68.372	67.710	69.412	68.924	69.823	67.815	70.476	68.072
BANK 4	67.850	67.312	67.516	67.733	66.865	66.508	66.750	23.240	21.488	20.542
BANK 5	22.124	23.926	22.024	20.040	20.033	29.623	22.467	20.993	20.492	20.133
BANK 6	20.100	20.509	0.000	0.000	0.000	0.000	71.358	70.612	70.382	78.613
BANK 7	22.226	22.223	22.224	0.949	35.720	50.100	0.000	0.000	0.000	0.000

467 READING AT 84017: 1010

BANK 1	69.647	70.729	0.000	0.000	72.283	68.708	0.000	69.784	69.737	0.000
BANK 2	80.155	80.683	79.522	73.472	72.354	72.533	69.861	68.815	69.783	70.096
BANK 3	70.432	64.607	68.392	67.650	69.402	68.924	69.813	67.815	70.476	68.022
BANK 4	67.850	67.362	67.456	67.733	66.835	66.408	66.750	23.210	21.328	20.917
BANK 5	21.985	25.907	23.411	19.830	19.993	30.880	22.507	20.993	20.502	20.133
BANK 6	20.100	20.509	0.000	0.000	0.000	0.000	71.348	70.602	70.322	78.603
BANK 7	22.229	22.226	22.223	0.710	35.670	50.100	0.000	0.000	0.000	0.000

468 READING AT 84017: 1020

BANK 1	70.336	70.819	0.000	0.000	72.293	68.708	0.000	69.784	69.737	0.000
BANK 2	80.165	80.713	79.502	73.462	72.344	72.543	69.722	68.815	69.773	70.096
BANK 3	70.432	64.627	68.392	67.650	69.432	68.924	69.823	67.855	70.406	68.012

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BANK 4 67.880 67.372 67.406 67.733 65.825 65.448 65.740 23.190 21.249 20.857  
 BANK 5 21.815 25.247 21.086 19.670 20.591 32.546 21.527 20.993 20.492 20.133  
 BANK 6 20.110 20.509 0.000 0.000 0.000 71.308 70.612 70.432 78.633 0.000  
 BANK 7 22.227 22.222 22.222 0.760 35.710 50.060 0.000 0.000 0.000 0.000

469 READING AT 84017:1030

BANK 1 67.637 70.722 70.000 0.000 22.473 65.596 0.000 69.784 69.727 0.000  
 BANK 2 80.185 80.683 79.532 73.452 72.474 65.731 68.731 70.072 69.727 0.000  
 BANK 3 70.422 64.627 69.402 67.630 69.362 68.904 68.783 70.307 70.307 67.824  
 BANK 4 67.870 67.342 67.446 67.733 65.665 68.518 68.790 22.515 21.574 0.000  
 BANK 5 21.197 20.377 20.109 19.889 18.896 28.695 27.477 20.492 20.492 78.653  
 BANK 6 20.120 20.499 0.000 0.000 0.000 71.358 70.602 69.652 78.603 0.000  
 BANK 7 22.227 22.226 22.221 0.880 35.820 50.060 0.000 0.000 0.000 0.000

470 READING AT 84017:1040

BANK 1 70.356 70.789 0.000 0.000 72.293 65.658 0.000 69.774 69.774 0.000  
 BANK 2 80.155 80.663 79.492 73.432 72.394 65.741 69.741 70.072 69.774 0.000  
 BANK 3 70.422 64.703 68.402 67.630 69.314 68.914 68.783 70.448 70.448 67.824  
 BANK 4 67.740 67.324 67.428 67.733 65.665 68.729 68.719 22.515 21.574 0.000  
 BANK 5 21.197 20.377 20.109 19.889 18.896 28.695 27.477 20.492 20.492 78.653  
 BANK 6 20.120 20.499 0.000 0.000 0.000 71.358 70.602 69.652 78.603 0.000  
 BANK 7 22.227 22.226 22.221 0.880 35.820 50.060 0.000 0.000 0.000 0.000

471 READING AT 84017:1050

BANK 1 70.376 70.789 0.000 0.000 72.293 65.698 0.000 69.774 69.717 0.000  
 BANK 2 80.155 80.643 79.492 73.422 72.364 65.801 69.801 70.072 69.774 0.000  
 BANK 3 70.422 64.711 68.402 67.630 69.314 68.904 68.770 70.448 70.448 67.824  
 BANK 4 67.730 67.312 67.428 67.733 65.665 68.719 68.719 22.515 21.574 0.000  
 BANK 5 21.197 20.377 20.109 19.889 18.896 28.695 27.477 20.492 20.492 78.653  
 BANK 6 20.120 20.499 0.000 0.000 0.000 71.358 70.602 69.652 78.603 0.000  
 BANK 7 22.227 22.226 22.221 0.880 35.820 50.060 0.000 0.000 0.000 0.000

472 READING AT 84017:1100

BANK 1 69.647 70.709 0.000 0.000 72.283 68.678 0.000 69.774 69.717 0.000  
 BANK 2 80.125 80.643 79.492 73.422 72.364 65.801 69.801 70.072 69.774 0.000  
 BANK 3 70.412 64.703 68.402 67.630 69.314 68.914 68.770 70.448 70.448 67.824  
 BANK 4 67.860 67.312 67.428 67.733 65.665 68.719 68.719 22.515 21.574 0.000  
 BANK 5 21.068 20.376 20.329 19.329 18.896 28.682 28.682 20.492 20.492 78.603  
 BANK 6 20.110 20.499 0.000 0.000 0.000 71.358 70.602 69.652 78.603 0.000  
 BANK 7 22.226 22.227 22.222 0.550 34.850 50.120 0.000 0.000 0.000 0.000

473 READING AT 84017:1110

BANK 1 70.366 70.789 0.000 0.000 72.283 68.678 0.000 69.774 69.717 0.000  
 BANK 2 80.145 80.643 79.492 73.422 72.364 65.801 69.801 70.072 69.774 0.000  
 BANK 3 70.422 64.703 68.402 67.630 69.314 68.914 68.770 70.448 70.448 67.824  
 BANK 4 67.840 67.324 67.428 67.733 65.665 68.719 68.719 22.515 21.574 0.000  
 BANK 5 21.287 20.376 20.329 19.329 18.896 28.682 28.682 20.492 20.492 78.603  
 BANK 6 20.090 20.499 0.000 0.000 0.000 71.358 70.602 69.652 78.603 0.000  
 BANK 7 22.227 22.226 22.222 0.450 35.220 50.140 0.000 0.000 0.000 0.000

474 READING AT 84017:1120

BANK 1 69.657 70.729 0.000 0.000 72.283 68.678 0.000 69.774 69.717 0.000  
 BANK 2 80.125 80.653 79.492 73.422 72.364 65.801 69.801 70.072 69.774 0.000  
 BANK 3 70.412 64.787 68.302 67.716 69.412 68.914 68.770 70.448 70.448 67.824  
 BANK 4 67.810 67.312 67.428 67.733 65.665 68.719 68.719 22.515 21.574 0.000  
 BANK 5 21.377 20.376 20.329 19.329 18.896 28.682 28.682 20.492 20.492 78.603  
 BANK 6 20.090 20.499 0.000 0.000 0.000 71.358 70.602 69.652 78.603 0.000  
 BANK 7 22.226 22.227 22.222 0.470 36.180 50.140 0.000 0.000 0.000 0.000

475 READING AT 84017:1130

BANK 1 70.356 70.789 0.000 0.000 72.283 68.689 0.000 69.774 69.737 0.000  
 BANK 2 80.115 80.643 79.492 73.472 72.364 65.801 69.801 70.072 69.774 0.000  
 BANK 3 70.432 64.787 68.302 67.730 69.408 68.914 68.770 70.448 70.448 67.824  
 BANK 4 67.870 67.324 67.428 67.733 65.665 68.719 68.719 22.515 21.574 0.000  
 BANK 5 21.167 20.376 20.329 19.329 18.896 28.682 28.682 20.492 20.492 78.603

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BANK 7	20.070	20.492	0.000	0.000	0.000	0.000	71.358	70.524	70.502	78.663
BANK 7	22.225	22.225	22.221	0.500	36.200	50.120	0.000	0.000	0.000	0.000
476. READING AT 84017:1140										
BANK 1	69.637	70.719	0.000	0.000	72.273	68.678	0.000	69.784	69.737	0.000
BANK 2	80.145	80.633	75.462	73.452	72.344	72.523	69.612	68.735	69.773	70.066
BANK 3	69.422	69.909	68.102	67.730	67.411	66.924	69.823	69.419	69.752	0.000
BANK 4	70.540	71.027	68.326	67.713	66.254	66.368	66.790	66.300	67.049	70.637
BANK 5	21.048	21.535	19.130	19.420	20.432	26.361	26.806	20.442	20.442	20.073
BANK 6	20.050	20.489	20.000	0.000	0.000	0.000	71.358	70.524	70.453	76.603
BANK 7	22.224	22.424	22.226	0.450	36.300	50.090	0.000	0.000	0.000	0.000
477. READING AT 84017:1150										
BANK 1	70.366	70.779	0.000	0.000	72.293	69.648	0.000	69.774	69.746	0.000
BANK 2	80.125	80.612	75.478	73.462	72.354	72.533	69.612	68.735	69.773	70.066
BANK 3	69.422	69.909	68.102	67.730	67.411	66.924	69.823	69.419	69.752	0.000
BANK 4	70.540	71.027	68.326	67.713	66.254	66.368	66.790	66.300	67.049	70.637
BANK 5	21.048	21.535	19.130	19.420	20.432	26.361	26.806	20.442	20.442	20.073
BANK 6	20.050	20.489	20.000	0.000	0.000	0.000	71.358	70.524	70.453	76.603
BANK 7	22.224	22.424	22.226	0.450	36.300	50.150	0.000	0.000	0.000	0.000
478. READING AT 84017:1200										
BANK 1	70.366	70.779	0.000	0.000	72.293	69.648	0.000	69.774	69.737	0.000
BANK 2	80.105	80.633	75.472	73.452	72.344	72.533	69.602	68.725	69.727	0.000
BANK 3	70.432	70.920	68.372	67.720	66.432	66.924	69.803	69.436	69.763	70.076
BANK 4	67.750	68.237	66.242	65.723	64.416	64.458	66.750	66.341	67.049	70.469
BANK 5	21.078	21.565	19.149	19.440	20.452	26.381	26.813	20.432	20.432	20.073
BANK 6	20.000	20.489	20.000	0.000	0.000	0.000	71.358	70.524	70.453	76.603
BANK 7	22.225	22.425	22.220	0.420	36.310	50.150	0.000	0.000	0.000	0.000
479. READING AT 84017:1212										
BANK 1	69.637	70.719	0.000	0.000	72.293	68.688	0.000	69.774	69.727	0.000
BANK 2	80.105	80.633	75.452	73.452	72.344	72.533	69.602	68.725	69.727	0.000
BANK 3	70.422	70.910	68.412	67.740	66.422	66.924	69.803	69.436	69.763	70.076
BANK 4	67.750	68.237	66.242	65.723	64.416	64.458	66.750	66.341	67.049	70.469
BANK 5	21.078	21.565	19.149	19.440	20.452	26.381	26.813	20.432	20.432	20.073
BANK 6	20.000	20.489	20.000	0.000	0.000	0.000	71.358	70.524	70.453	76.603
BANK 7	22.223	22.423	22.221	0.530	36.330	50.160	0.000	0.000	0.000	0.000
480. READING AT 84017:1220										
BANK 1	70.376	70.809	0.000	0.000	72.293	68.688	0.000	69.784	69.737	0.000
BANK 2	80.105	80.633	75.452	73.452	72.344	72.533	69.602	68.725	69.727	0.000
BANK 3	70.422	70.910	68.412	67.740	66.422	66.924	69.803	69.436	69.763	70.076
BANK 4	67.750	68.237	66.242	65.723	64.416	64.458	66.750	66.341	67.049	70.469
BANK 5	21.078	21.565	19.149	19.440	20.452	26.381	26.813	20.432	20.432	20.073
BANK 6	20.000	20.489	20.000	0.000	0.000	0.000	71.358	70.524	70.453	76.603
BANK 7	22.224	22.424	22.226	0.450	36.330	50.180	0.000	0.000	0.000	0.000
481. READING AT 84017:1230										
BANK 1	69.637	70.719	0.000	0.000	72.293	68.688	0.000	69.774	69.737	0.000
BANK 2	80.105	80.633	75.452	73.452	72.344	72.533	69.602	68.725	69.727	0.000
BANK 3	70.412	70.900	68.392	67.720	66.422	66.924	69.803	69.436	69.763	70.076
BANK 4	67.820	68.307	66.312	65.740	64.422	64.464	66.760	66.351	67.049	70.469
BANK 5	21.059	21.546	19.130	19.420	20.432	26.361	26.793	20.412	20.412	20.073
BANK 6	20.000	20.489	20.000	0.000	0.000	0.000	71.358	70.524	70.453	76.603
BANK 7	22.224	22.424	22.226	0.450	36.330	50.180	0.000	0.000	0.000	0.000
482. READING AT 84017:1240										
BANK 1	69.637	70.719	0.000	0.000	72.293	68.688	0.000	69.774	69.737	0.000
BANK 2	80.105	80.633	75.452	73.452	72.344	72.533	69.602	68.725	69.727	0.000
BANK 3	70.412	70.900	68.392	67.720	66.422	66.924	69.803	69.436	69.763	70.076
BANK 4	67.820	68.307	66.312	65.740	64.422	64.464	66.760	66.351	67.049	70.469
BANK 5	21.059	21.546	19.130	19.420	20.432	26.361	26.793	20.412	20.412	20.073
BANK 6	20.000	20.489	20.000	0.000	0.000	0.000	71.358	70.524	70.453	76.603
BANK 7	22.224	22.424	22.226	0.450	36.330	50.150	0.000	0.000	0.000	0.000
483. READING AT 84017:1250										
BANK 1	70.366	70.779	0.000	0.000	72.293	69.648	0.000	69.774	69.737	0.000
BANK 2	80.125	80.612	75.478	73.462	72.354	72.533	69.612	68.735	69.773	70.066
BANK 3	69.422	69.909	68.102	67.730	67.411	66.924	69.823	69.419	69.752	0.000
BANK 4	70.540	71.027	68.326	67.713	66.254	66.368	66.790	66.300	67.049	70.637
BANK 5	21.048	21.535	19.130	19.420	20.432	26.361	26.806	20.442	20.442	20.073
BANK 6	20.050	20.489	20.000	0.000	0.000	0.000	71.358	70.524	70.453	76.603
BANK 7	22.224	22.424	22.226	0.450	36.330	50.150	0.000	0.000	0.000	0.000

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483 READING AT 84017:1250  
 BANK 1 69.657 70.719 0.000 0.000 69.754 69.737 0.000 0.000  
 BANK 2 70.417 69.603 68.482 72.293 69.773 70.566 69.773 70.066  
 BANK 3 67.810 67.432 67.486 67.700 67.800 67.942 67.800 67.942  
 BANK 4 26.082 23.958 18.828 19.440 20.810 20.910 20.810 20.910  
 BANK 5 19.501 20.459 22.221 0.650 20.823 20.442 20.823 20.999  
 BANK 6 22.228 22.228 22.221 0.650 70.582 70.292 70.582 78.533  
 BANK 7 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000

484 READING AT 84017:1300  
 BANK 1 70.366 70.779 0.000 0.000 69.174 69.746 0.000 0.000  
 BANK 2 80.085 60.653 79.482 73.462 69.773 69.773 70.056 70.056  
 BANK 3 67.432 64.907 68.482 67.770 67.566 70.566 67.582 67.582  
 BANK 4 67.810 67.392 67.486 67.700 67.800 67.942 67.800 67.942  
 BANK 5 26.082 23.958 18.828 19.440 20.810 20.910 20.810 20.910  
 BANK 6 19.501 20.459 22.221 0.650 20.823 20.442 20.823 20.999  
 BANK 7 22.228 22.228 22.221 0.650 70.582 70.292 70.582 78.533

485 READING AT 84017:1310  
 BANK 1 69.657 70.709 0.000 0.000 69.764 69.727 0.000 0.000  
 BANK 2 80.085 60.623 79.432 73.462 69.773 69.773 70.066 70.066  
 BANK 3 67.432 64.907 68.482 67.770 67.566 70.566 67.582 67.582  
 BANK 4 67.810 67.392 67.486 67.700 67.800 67.942 67.800 67.942  
 BANK 5 26.082 23.958 18.828 19.440 20.810 20.910 20.810 20.910  
 BANK 6 19.501 20.459 22.221 0.650 20.823 20.442 20.823 20.999  
 BANK 7 22.228 22.228 22.221 0.650 70.582 70.292 70.582 78.533

486 READING AT 84017:1320  
 BANK 1 70.366 70.789 0.000 0.000 69.744 69.717 0.000 0.000  
 BANK 2 80.085 60.623 79.432 73.462 69.773 69.773 70.066 70.066  
 BANK 3 67.432 64.907 68.482 67.770 67.566 70.566 67.582 67.582  
 BANK 4 67.810 67.392 67.486 67.700 67.800 67.942 67.800 67.942  
 BANK 5 26.082 23.958 18.828 19.440 20.810 20.910 20.810 20.910  
 BANK 6 19.501 20.459 22.221 0.650 20.823 20.442 20.823 20.999  
 BANK 7 22.228 22.228 22.221 0.650 70.582 70.292 70.582 78.533

487 READING AT 84017:1330  
 BANK 1 69.657 70.709 0.000 0.000 69.773 69.737 0.000 0.000  
 BANK 2 80.085 60.623 79.432 73.462 69.773 69.773 70.066 70.066  
 BANK 3 67.432 64.907 68.482 67.770 67.566 70.566 67.582 67.582  
 BANK 4 67.810 67.392 67.486 67.700 67.800 67.942 67.800 67.942  
 BANK 5 26.082 23.958 18.828 19.440 20.810 20.910 20.810 20.910  
 BANK 6 19.501 20.459 22.221 0.650 20.823 20.442 20.823 20.999  
 BANK 7 22.228 22.228 22.221 0.650 70.582 70.292 70.582 78.533

488 READING AT 84017:1340  
 BANK 1 70.406 70.789 0.000 0.000 69.724 69.727 0.000 0.000  
 BANK 2 80.085 60.623 79.432 73.462 69.773 69.773 70.066 70.066  
 BANK 3 67.432 64.907 68.482 67.770 67.566 70.566 67.582 67.582  
 BANK 4 67.810 67.392 67.486 67.700 67.800 67.942 67.800 67.942  
 BANK 5 26.082 23.958 18.828 19.440 20.810 20.910 20.810 20.910  
 BANK 6 19.501 20.459 22.221 0.650 20.823 20.442 20.823 20.999  
 BANK 7 22.228 22.228 22.221 0.650 70.582 70.292 70.582 78.533

489 READING AT 84017:1350  
 BANK 1 69.707 70.709 0.000 0.000 69.774 69.727 0.000 0.000  
 BANK 2 80.085 60.623 79.432 73.462 69.773 69.773 70.066 70.066  
 BANK 3 67.432 64.907 68.482 67.770 67.566 70.566 67.582 67.582  
 BANK 4 67.810 67.392 67.486 67.700 67.800 67.942 67.800 67.942  
 BANK 5 26.082 23.958 18.828 19.440 20.810 20.910 20.810 20.910  
 BANK 6 19.501 20.459 22.221 0.650 20.823 20.442 20.823 20.999  
 BANK 7 22.228 22.228 22.221 0.650 70.582 70.292 70.582 78.533

490 READING AT 84017:1400  
 BANK 1 69.707 70.709 0.000 0.000 69.774 69.727 0.000 0.000  
 BANK 2 80.085 60.623 79.432 73.462 69.773 69.773 70.066 70.066  
 BANK 3 67.432 64.907 68.482 67.770 67.566 70.566 67.582 67.582  
 BANK 4 67.810 67.392 67.486 67.700 67.800 67.942 67.800 67.942  
 BANK 5 26.082 23.958 18.828 19.440 20.810 20.910 20.810 20.910  
 BANK 6 19.501 20.459 22.221 0.650 20.823 20.442 20.823 20.999  
 BANK 7 22.228 22.228 22.221 0.650 70.582 70.292 70.582 78.533

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BANK 1	70.376	70.789	0.000	0.000	72.293	68.658	0.000	69.774	69.737	0.000
BANK 2	80.065	80.623	79.402	73.472	72.284	72.523	69.821	69.795	69.753	70.086
BANK 3	70.422	64.987	68.372	67.790	69.402	68.954	69.803	67.845	70.227	67.992
BANK 4	67.810	67.262	67.376	67.723	66.925	66.438	66.790	23.848	21.647	20.469
BANK 5	21.128	26.387	21.734	19.300	19.345	26.780	24.181	20.933	20.442	20.083
BANK 6	19.931	20.459	0.000	0.000	0.000	0.000	71.338	70.582	70.352	78.593
BANK 7	22.225	22.225	22.220	0.820	35.800	50.230	0.000	0.000	0.000	0.000
491 READING AT 84017:1410										
BANK 1	69.707	70.709	0.000	0.000	72.273	68.678	0.000	69.754	69.717	0.000
BANK 2	80.055	80.593	79.422	73.492	72.324	72.523	69.722	69.795	69.753	70.076
BANK 3	70.412	64.957	68.402	67.820	69.362	68.924	69.833	67.825	70.386	67.972
BANK 4	67.790	67.332	67.396	67.723	66.745	66.408	66.730	23.688	21.578	20.379
BANK 5	20.868	25.617	21.355	19.650	19.963	26.740	23.663	20.243	20.442	20.083
BANK 6	19.970	20.459	0.000	0.000	0.000	0.000	71.348	70.572	70.112	78.523
BANK 7	22.223	22.225	22.219	0.640	35.890	50.250	0.000	0.000	0.000	0.000
492 READING AT 84017:1420										
BANK 1	70.416	70.779	0.000	0.000	72.283	68.688	0.000	69.764	69.727	0.000
BANK 2	80.045	80.593	79.412	73.432	72.324	72.513	69.652	69.786	69.743	70.086
BANK 3	70.402	65.007	68.422	67.800	69.402	68.944	69.833	67.835	70.516	67.902
BANK 4	67.690	67.272	67.406	67.723	66.745	66.398	66.760	23.619	21.129	20.757
BANK 5	21.177	24.497	20.417	20.010	20.471	26.591	23.294	20.943	20.452	20.083
BANK 6	20.020	20.469	0.000	0.000	0.000	0.000	71.327	70.582	70.072	78.533
BANK 7	22.723	22.226	22.217	0.860	36.020	50.260	0.000	0.000	0.000	0.000
493 READING AT 84017:1430										
BANK 1	69.707	70.709	0.000	0.000	72.283	68.658	0.000	69.754	69.717	0.000
BANK 2	80.055	80.593	79.432	73.432	72.334	72.533	69.592	69.786	69.753	70.076
BANK 3	70.392	65.047	68.462	67.770	69.402	68.944	69.823	67.835	70.347	67.932
BANK 4	67.730	67.232	67.448	67.713	66.765	66.408	66.710	23.869	21.079	21.332
BANK 5	21.377	24.126	19.808	20.300	20.890	26.431	23.095	20.969	20.442	20.083
BANK 6	20.040	20.469	0.000	0.000	0.000	0.000	71.327	70.572	69.942	78.583
BANK 7	22.224	22.225	22.220	0.730	35.940	50.260	0.000	0.000	0.000	0.000
494 READING AT 84017:1440										
BANK 1	70.406	70.769	0.000	0.000	72.293	68.678	0.000	69.744	69.727	0.000
BANK 2	80.055	80.583	79.432	73.442	72.334	72.523	69.841	69.786	69.763	70.086
BANK 3	70.412	65.037	68.352	67.830	69.382	68.934	69.803	67.783	70.498	68.012
BANK 4	67.830	67.292	67.426	67.713	66.735	66.388	66.740	23.369	21.408	21.272
BANK 5	21.666	23.986	19.459	20.480	21.140	26.122	22.946	20.973	20.432	20.073
BANK 6	20.060	20.469	0.000	0.000	0.000	0.000	71.348	70.572	70.032	78.493
BANK 7	22.223	22.227	22.220	0.920	36.040	50.300	0.000	0.000	0.000	0.000
495 READING AT 84017:1450										
BANK 1	69.717	70.699	0.000	0.000	72.283	68.658	0.000	69.754	69.737	0.000
BANK 2	80.045	80.583	79.432	73.432	72.334	72.523	69.822	69.786	69.743	70.086
BANK 3	70.412	65.057	68.402	67.770	69.412	68.954	69.823	67.835	70.386	67.932
BANK 4	67.740	67.232	67.448	67.703	66.805	66.348	66.760	23.369	21.867	21.982
BANK 5	21.875	23.946	19.190	19.500	20.820	26.850	22.966	20.963	20.422	20.083
BANK 6	20.040	20.459	0.000	0.000	0.000	0.000	71.338	70.572	70.302	78.553
BANK 7	22.223	22.224	22.219	0.620	36.040	50.260	0.000	0.000	0.000	0.000
496 READING AT 84017:1500										
BANK 1	70.386	70.799	0.000	0.000	72.283	68.658	0.000	69.744	69.717	0.000
BANK 2	80.035	80.533	79.432	73.422	72.294	72.523	69.572	69.795	69.753	70.086
BANK 3	70.412	65.077	68.422	67.740	69.382	68.934	69.843	67.905	70.366	67.972
BANK 4	67.800	67.232	67.426	67.703	66.765	66.418	66.740	23.309	23.103	21.982
BANK 5	21.905	23.878	19.100	19.250	20.422	27.438	22.736	20.973	20.402	20.033
BANK 6	20.000	20.459	0.000	0.000	0.000	0.000	71.338	70.572	70.422	78.543
BANK 7	22.222	22.225	22.218	0.500	36.030	50.250	0.000	0.000	0.000	0.000
497 READING AT 84017:1510										
BANK 1	69.687	70.689	0.000	0.000	72.264	68.668	0.000	69.744	69.717	0.000
BANK 2	80.045	80.553	79.402	73.422	72.324	72.503	69.582	68.786	69.743	70.076

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BANK 3	70.412	65.087	68.332	67.780	69.422	68.544	69.793	67.875	70.446	67.992
BANK 4	67.740	67.312	67.356	67.703	66.664	66.368	66.730	67.280	30.072	21.753
BANK 5	22.144	23.996	19.269	20.240	20.342	27.339	22.657	20.973	20.392	20.013
BANK 6	12.270	20.442	0.000	0.000	0.000	0.000	71.317	70.572	70.222	78.493
BANK 7	22.222	22.222	22.218	0.440	35.970	50.270	0.000	0.000	0.000	0.000

498 READING AT 8401711520										
BANK 1	70.396	70.765	0.000	0.000	72.283	68.658	0.000	69.754	69.717	0.000
BANK 2	90.025	80.563	79.382	73.452	72.354	72.533	69.692	68.786	69.743	70.076
BANK 3	70.402	65.127	68.332	67.750	69.382	68.944	69.803	67.805	70.366	68.032
BANK 4	67.840	67.262	67.378	67.993	68.733	68.398	68.740	63.250	31.459	21.583
BANK 5	22.144	24.006	19.309	21.150	20.232	27.488	22.617	20.953	20.392	20.603
BANK 6	12.970	20.439	0.000	0.000	0.000	0.000	71.338	70.572	70.412	78.513
BANK 7	22.222	22.223	22.218	0.380	36.060	50.200	0.000	0.000	0.000	0.000

499 READING AT 8401711535										
BANK 1	69.677	70.689	0.000	0.000	72.273	68.648	0.000	69.744	69.717	0.000
BANK 2	90.045	80.573	79.392	73.452	72.314	72.513	69.532	68.795	69.743	70.076
BANK 3	70.402	65.117	68.332	67.750	69.382	68.934	69.823	67.893	70.528	67.992
BANK 4	67.820	67.272	67.398	67.893	68.715	68.458	68.760	23.309	22.177	21.454
BANK 5	22.324	24.276	19.479	22.371	20.142	27.069	22.457	20.953	20.392	20.013
BANK 6	12.980	20.549	0.000	0.000	0.000	0.000	71.338	70.562	70.312	78.523
BANK 7	22.222	22.227	22.219	0.410	35.900	50.230	0.000	0.000	0.000	0.000

500 READING AT 8401711540										
BANK 1	70.406	70.779	0.000	0.000	72.283	68.658	0.000	69.754	69.737	0.000
BANK 2	90.015	80.563	79.382	73.452	72.354	72.523	69.802	68.786	69.743	70.076
BANK 3	70.412	65.157	68.402	67.770	69.352	68.944	69.793	67.895	70.267	67.992
BANK 4	67.800	67.262	67.388	67.703	68.789	68.448	68.740	23.260	22.295	21.245
BANK 5	22.782	24.126	19.998	21.023	20.202	26.920	22.447	20.953	20.402	20.033
BANK 6	20.010	20.459	0.000	0.000	0.000	0.000	71.338	70.572	70.412	78.503
BANK 7	22.221	22.226	22.218	0.450	35.920	50.310	0.000	0.000	0.000	0.000

501 READING AT 8401711555										
BANK 1	69.727	70.699	0.000	0.000	72.273	68.648	0.000	69.744	69.727	0.000
BANK 2	90.045	80.533	79.402	73.452	72.354	72.513	69.672	68.795	69.753	70.096
BANK 3	70.392	65.127	68.332	67.770	69.402	68.944	69.793	67.835	70.476	68.012
BANK 4	67.770	67.252	67.426	67.693	68.725	68.448	68.750	23.389	21.697	21.036
BANK 5	22.563	23.536	21.263	21.131	20.212	27.738	22.487	20.953	20.432	20.073
BANK 6	20.060	20.469	0.000	0.000	0.000	0.000	71.327	70.582	70.052	78.473
BANK 7	22.221	22.225	22.217	0.640	36.560	50.290	0.000	0.000	0.000	0.000

502 READING AT 8401711600										
BANK 1	70.436	70.779	0.000	0.000	72.283	68.658	0.000	69.754	69.727	0.000
BANK 2	90.035	80.553	79.382	73.472	72.354	72.513	69.642	68.795	69.743	70.096
BANK 3	70.392	65.157	68.332	67.770	69.352	68.944	69.843	67.815	70.466	67.922
BANK 4	67.800	67.252	67.448	67.703	68.743	68.408	68.770	23.312	21.488	20.746
BANK 5	22.105	23.796	22.722	21.170	20.122	27.423	22.427	20.953	20.452	20.033
BANK 6	20.090	20.469	0.000	0.000	0.000	0.000	71.338	70.572	70.382	78.503
BANK 7	22.220	22.225	22.217	0.750	36.460	50.270	0.000	0.000	0.000	0.000

503 READING AT 8401711610										
BANK 1	69.727	70.709	0.000	0.000	72.273	68.648	0.000	69.744	69.717	0.000
BANK 2	90.025	80.563	79.342	73.452	72.304	72.543	69.522	68.795	69.743	70.096
BANK 3	70.402	65.177	68.382	67.800	69.382	68.934	69.773	67.778	70.456	68.012
BANK 4	67.770	67.252	67.558	67.713	68.845	68.438	68.730	23.379	21.408	20.707
BANK 5	21.935	23.877	23.640	20.450	20.103	31.578	22.457	20.963	20.462	20.083
BANK 6	20.090	20.469	0.000	0.000	0.000	0.000	71.317	70.562	70.312	78.523
BANK 7	22.221	22.225	22.218	0.780	36.570	50.260	0.000	0.000	0.000	0.000

504 READING AT 8401711620										
BANK 1	70.426	70.769	0.000	0.000	72.254	68.668	0.000	69.734	69.717	0.000
BANK 2	90.025	80.573	79.342	73.432	72.344	72.533	69.572	68.795	69.743	70.096
BANK 3	70.402	65.197	68.422	67.730	69.402	68.934	69.813	67.835	70.526	67.942
BANK 4	67.820	67.242	67.466	67.703	68.795	68.428	68.740	23.339	21.269	20.797

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BANK 1	21.776	25.077	20.976	20.190	21.050	33.643	22.527	20.963	20.462	20.093
BANK 2	20.100	20.469	0.000	0.000	0.000	0.000	71.317	70.562	70.212	78.443
BANK 7	22.221	22.226	22.218	0.860	36.510	50.270	0.000	0.000	0.000	0.000

505 READING AT 840171630

BANK 1	69.737	70.689	0.000	0.000	72.264	68.658	0.000	69.744	69.697	0.000
BANK 2	80.015	80.573	79.342	73.442	72.334	72.513	69.632	68.805	69.743	70.076
BANK 3	70.412	65.207	68.384	67.760	69.392	68.934	69.833	67.625	70.446	67.932
BANK 4	67.770	67.232	67.406	67.692	66.835	66.408	66.770	23.349	22.594	21.524
BANK 5	21.157	25.637	20.148	20.180	20.557	26.845	22.377	20.963	20.462	20.083
BANK 6	20.110	20.469	0.000	0.000	0.000	0.000	71.317	70.572	70.292	78.493
BANK 7	22.220	22.225	22.218	0.950	36.610	50.290	0.000	0.000	0.000	0.000

506 READING AT 840171640

BANK 1	70.446	70.779	0.000	0.000	72.273	68.648	0.000	69.764	69.707	0.000
BANK 2	80.005	80.543	79.372	73.442	72.334	72.513	69.532	68.805	69.743	70.076
BANK 3	70.392	65.197	68.342	67.750	69.382	68.954	69.783	67.825	70.267	67.972
BANK 4	67.750	67.212	67.426	67.703	66.715	66.368	66.750	23.260	22.704	21.932
BANK 5	20.948	24.657	19.798	20.170	20.838	27.119	22.338	20.983	20.462	20.073
BANK 6	20.110	20.469	0.000	0.000	0.000	0.000	71.317	70.572	69.892	78.513
BANK 7	22.221	22.225	22.218	0.870	36.490	50.270	0.000	0.000	0.000	0.000

507 READING AT 840171650

BANK 1	69.747	70.699	0.000	0.000	72.254	68.648	0.000	69.734	69.727	0.000
BANK 2	80.015	80.563	79.312	73.442	72.334	72.513	69.632	68.815	69.743	70.076
BANK 3	70.402	65.177	68.352	67.750	69.382	68.954	69.783	67.825	70.267	67.972
BANK 4	67.750	67.232	67.426	67.703	66.835	66.398	66.720	23.909	22.584	22.211
BANK 5	21.008	24.186	19.549	20.210	20.465	26.451	22.298	20.963	20.462	20.083
BANK 6	20.090	20.469	0.000	0.000	0.000	0.000	71.317	70.552	70.282	78.533
BANK 7	22.221	22.226	22.218	0.660	36.510	50.270	0.000	0.000	0.000	0.000

508 READING AT 840171700

BANK 1	70.446	70.779	0.000	0.000	72.273	68.648	0.000	69.744	69.717	0.000
BANK 2	80.005	80.523	79.322	73.442	72.304	72.513	69.642	68.805	69.724	70.096
BANK 3	70.412	65.217	68.342	67.760	69.372	68.944	69.803	67.795	70.446	67.922
BANK 4	67.760	67.244	67.446	67.693	66.735	66.418	66.750	23.240	22.784	22.420
BANK 5	21.048	23.876	19.369	20.290	20.765	26.152	22.228	20.963	20.432	20.053
BANK 6	20.070	20.459	0.000	0.000	0.000	0.000	71.317	70.562	70.272	78.523
BANK 7	22.221	22.225	22.217	0.620	36.430	50.290	0.000	0.000	0.000	0.000

509 READING AT 840171710

BANK 1	69.747	70.699	0.000	0.000	72.254	68.648	0.000	69.734	69.717	0.000
BANK 2	80.005	80.493	79.342	73.442	72.334	72.513	69.602	68.795	69.743	70.076
BANK 3	70.402	65.187	68.342	67.810	69.372	68.954	69.803	67.805	70.506	67.962
BANK 4	67.790	67.182	67.426	67.673	66.765	66.418	66.750	23.230	21.757	22.629
BANK 5	21.287	23.896	19.249	19.760	22.595	26.331	22.387	20.953	20.422	20.053
BANK 6	20.070	20.459	0.000	0.000	0.000	0.000	71.317	70.572	70.332	78.413
BANK 7	22.220	22.225	22.217	0.520	36.420	50.360	0.000	0.000	0.000	0.000

510 READING AT 840.71720

BANK 1	70.446	70.769	0.000	0.000	72.253	68.658	0.000	69.724	69.707	0.000
BANK 2	79.985	80.503	79.332	73.442	72.334	72.513	69.572	68.805	69.724	70.096
BANK 3	70.402	65.217	68.342	67.760	69.372	68.954	69.773	67.795	70.356	67.992
BANK 4	67.750	67.252	67.426	67.693	66.735	66.418	66.720	23.459	21.358	21.583
BANK 5	21.317	23.876	19.230	19.740	21.488	26.341	22.547	20.953	20.412	20.043
BANK 6	20.060	20.459	0.000	0.000	0.000	0.000	71.317	70.552	69.852	78.403
BANK 7	22.219	22.224	22.216	0.490	36.470	50.310	0.000	0.000	0.000	0.000

511 READING AT 840171730

BANK 1	69.737	70.679	0.000	0.000	72.264	68.648	0.000	69.734	69.707	0.000
BANK 2	79.995	80.503	79.342	73.442	72.304	72.503	69.652	68.795	69.724	70.076
BANK 3	70.392	65.207	68.352	67.770	69.402	68.944	69.763	67.795	70.446	67.972
BANK 4	67.800	67.222	67.396	67.693	66.765	66.458	66.710	23.529	21.169	21.115
BANK 5	21.138	23.806	19.220	19.670	20.930	26.311	22.776	20.943	20.412	20.043
BANK 6	20.080	20.459	0.000	0.000	0.000	0.000	71.117	70.562	70.092	78.423

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BANK 7	22.219	22.224	22.216	0.450	56.190	50.310	0.000	0.000	0.000	0.000
512 READING AT 84017:1740										
BANK 1	70.486	70.489	0.000	0.000	72.214	68.453	0.000	62.754	62.627	0.000
BANK 2	69.972	69.974	63.342	73.412	72.314	72.483	69.972	68.714	70.076	0.000
BANK 3	70.392	65.157	68.322	73.750	63.352	63.934	69.776	70.356	67.962	0.000
BANK 4	67.730	67.224	67.368	67.974	66.694	66.389	65.760	63.813	60.847	0.000
BANK 5	21.068	23.726	19.200	19.510	20.561	20.341	20.671	20.615	20.643	0.000
BANK 6	20.030	20.459	0.000	0.000	0.000	0.000	71.327	70.302	78.453	0.000
BANK 7	22.219	22.224	22.216	0.450	56.190	50.310	0.000	0.000	0.000	0.000
513 READING AT 84017:1750										
BANK 1	69.757	70.679	0.000	0.000	72.244	68.648	0.000	69.714	69.707	0.000
BANK 2	79.505	60.203	79.302	73.402	72.314	72.483	69.622	68.785	70.076	0.000
BANK 3	70.372	67.222	67.336	67.650	67.715	67.478	66.710	65.830	63.025	0.000
BANK 4	67.730	67.224	67.368	67.974	66.694	66.389	65.760	63.813	60.847	0.000
BANK 5	20.948	23.726	19.200	19.390	20.282	20.351	20.492	20.423	20.423	0.000
BANK 6	20.030	20.459	0.000	0.000	0.000	0.000	71.327	70.302	78.453	0.000
BANK 7	22.219	22.224	22.216	0.450	56.190	50.310	0.000	0.000	0.000	0.000
514 READING AT 84017:1800										
BANK 1	70.456	70.759	0.000	0.000	72.273	68.676	0.000	69.724	69.697	0.000
BANK 2	79.975	60.473	79.294	73.412	72.304	72.483	69.593	68.756	70.066	0.000
BANK 3	65.107	67.322	67.336	67.650	67.715	67.478	66.710	65.830	63.025	0.000
BANK 4	67.730	67.222	67.368	67.974	66.704	66.436	65.740	63.813	60.847	0.000
BANK 5	20.948	23.726	19.200	19.390	20.023	20.441	20.494	20.402	20.402	0.000
BANK 6	20.030	20.459	0.000	0.000	0.000	0.000	71.327	70.302	78.453	0.000
BANK 7	22.219	22.224	22.216	0.450	56.190	50.310	0.000	0.000	0.000	0.000
515 READING AT 84017:1810										
BANK 1	69.767	70.679	0.000	0.000	72.294	68.648	0.000	69.724	69.717	0.000
BANK 2	79.505	60.443	79.292	73.412	72.294	72.483	69.702	68.865	70.076	0.000
BANK 3	65.107	67.322	67.336	67.650	67.715	67.478	66.710	65.830	63.025	0.000
BANK 4	67.730	67.222	67.368	67.974	66.645	66.366	65.620	63.693	60.727	0.000
BANK 5	20.948	23.726	19.200	19.390	20.023	20.441	20.494	20.402	20.402	0.000
BANK 6	20.030	20.459	0.000	0.000	0.000	0.000	71.327	70.302	78.453	0.000
BANK 7	22.219	22.224	22.216	0.450	56.190	50.310	0.000	0.000	0.000	0.000
516 READING AT 84017:1820										
BANK 1	69.777	70.669	0.000	0.000	72.264	68.638	0.000	69.724	69.697	0.000
BANK 2	79.945	60.473	79.282	73.412	72.234	72.473	69.673	68.836	70.066	0.000
BANK 3	65.107	67.322	67.336	67.650	67.715	67.478	66.710	65.830	63.025	0.000
BANK 4	67.730	67.222	67.368	67.974	66.672	66.393	65.647	63.720	60.754	0.000
BANK 5	20.948	23.726	19.200	19.390	20.023	20.441	20.494	20.402	20.402	0.000
BANK 6	20.030	20.459	0.000	0.000	0.000	0.000	71.327	70.302	78.453	0.000
BANK 7	22.219	22.224	22.216	0.450	56.190	50.310	0.000	0.000	0.000	0.000
517 READING AT 84017:1830										
BANK 1	70.456	70.749	0.000	0.000	72.294	68.648	0.000	69.704	69.697	0.000
BANK 2	79.505	60.473	79.282	73.412	72.264	72.483	69.702	68.865	70.076	0.000
BANK 3	65.107	67.322	67.336	67.650	67.715	67.478	66.710	65.830	63.025	0.000
BANK 4	67.730	67.222	67.368	67.974	66.672	66.393	65.647	63.720	60.754	0.000
BANK 5	20.948	23.726	19.200	19.390	20.023	20.441	20.494	20.402	20.402	0.000
BANK 6	20.030	20.459	0.000	0.000	0.000	0.000	71.327	70.302	78.453	0.000
BANK 7	22.219	22.224	22.216	0.450	56.190	50.310	0.000	0.000	0.000	0.000
518 READING AT 84017:1840										
BANK 1	69.767	70.669	0.000	0.000	72.244	68.648	0.000	69.704	69.697	0.000
BANK 2	79.505	60.489	79.292	73.412	72.244	72.483	69.673	68.836	70.066	0.000
BANK 3	65.107	67.322	67.336	67.650	67.715	67.478	66.710	65.830	63.025	0.000
BANK 4	67.730	67.222	67.368	67.974	66.672	66.393	65.647	63.720	60.754	0.000
BANK 5	20.948	23.726	19.200	19.390	20.023	20.441	20.494	20.402	20.402	0.000
BANK 6	20.030	20.459	0.000	0.000	0.000	0.000	71.327	70.302	78.453	0.000
BANK 7	22.219	22.224	22.216	0.450	56.190	50.310	0.000	0.000	0.000	0.000

END OF DATA FOR  
24 HOUR REPEATED  
PRESSURE TEST

BEGINNING OF DATA  
FOR VERIFICATION TEST

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519 READING AT 84017:1830									
BANK 1	70.856	70.739	0.000	72.244	68.648	69.714	69.707	0.000	0.000
BANK 2	79.935	60.473	79.312	72.274	72.473	68.735	69.704	70.056	70.912
BANK 3	60.372	65.197	67.710	69.352	68.934	67.426	70.426	67.912	70.912
BANK 4	67.740	67.206	19.370	69.709	68.299	24.973	20.690	20.043	20.043
BANK 5	26.600	23.906	19.370	19.315	26.062	20.613	20.902	20.043	20.043
BANK 6	19.941	20.429	0.000	50.000	0.000	70.552	69.752	79.449	0.000
BANK 7	22.215	22.223	0.000	50.000	50.410	0.000	0.000	0.000	0.000
520 READING AT 84017:1900									
BANK 1	69.767	70.959	0.000	72.254	68.648	69.734	69.687	0.000	0.000
BANK 2	79.935	60.463	79.402	72.264	72.473	68.735	69.704	70.056	70.912
BANK 3	60.372	65.197	67.740	69.402	68.934	67.805	70.426	67.852	70.912
BANK 4	67.740	67.222	67.663	68.674	66.326	24.446	20.650	20.150	20.150
BANK 5	30.370	23.916	0.000	19.345	26.062	20.613	20.902	20.043	20.043
BANK 6	19.941	20.439	0.000	0.000	0.000	70.552	70.262	78.453	0.000
BANK 7	22.218	22.223	0.790	36.160	50.340	0.000	0.000	0.000	0.000
521 READING AT 84017:1910									
BANK 1	70.506	70.749	0.000	72.254	68.648	69.734	69.697	0.000	0.000
BANK 2	79.935	60.433	73.412	72.294	72.473	68.735	69.714	70.066	70.922
BANK 3	60.372	65.207	67.740	69.374	68.934	67.735	70.506	67.922	70.922
BANK 4	67.800	67.342	0.000	19.345	26.062	20.613	20.922	20.109	20.109
BANK 5	20.640	20.439	0.000	0.000	0.000	70.552	70.152	78.373	0.000
BANK 6	20.640	20.439	0.000	0.000	0.000	70.552	70.152	78.373	0.000
BANK 7	22.219	22.223	0.700	36.020	50.290	0.000	0.000	0.000	0.000
522 READING AT 84017:1920									
BANK 1	69.767	70.649	0.000	72.234	68.636	69.734	69.707	0.000	0.000
BANK 2	79.935	60.453	79.272	72.064	72.473	68.735	69.714	70.056	70.922
BANK 3	60.372	65.211	68.342	69.342	68.934	67.735	70.986	67.922	70.922
BANK 4	67.710	67.182	67.376	67.795	66.378	24.160	20.289	20.230	20.230
BANK 5	25.255	24.046	19.849	19.395	26.162	0.215	20.972	20.053	20.053
BANK 6	20.060	20.446	0.000	0.000	0.000	71.317	70.172	78.343	0.000
BANK 7	22.217	22.222	0.000	0.000	0.000	0.000	0.000	0.000	0.000
523 READING AT 84017:1930									
BANK 1	70.506	70.739	0.000	72.254	68.648	69.724	69.697	0.000	0.000
BANK 2	79.935	60.433	79.416	72.294	72.473	68.735	69.714	70.066	70.922
BANK 3	60.372	65.207	67.740	69.374	68.934	67.735	70.506	67.922	70.922
BANK 4	67.720	67.182	67.653	66.745	66.368	24.879	21.129	20.373	20.373
BANK 5	22.653	24.068	20.866	19.444	26.162	0.000	20.382	20.053	20.053
BANK 6	20.060	20.446	0.000	0.000	0.000	71.301	70.212	78.403	0.000
BANK 7	22.217	22.223	0.000	0.000	0.000	0.000	0.000	0.000	0.000
524 READING AT 84017:1940									
BANK 1	69.797	70.959	0.000	72.294	68.636	69.734	69.714	0.000	0.000
BANK 2	79.935	60.453	79.312	72.294	72.473	68.735	69.714	70.066	70.922
BANK 3	60.372	65.187	67.690	69.352	68.934	67.735	70.986	67.882	70.922
BANK 4	67.770	67.222	67.663	68.755	66.278	24.177	21.359	20.449	20.449
BANK 5	21.656	20.439	17.370	19.425	26.401	20.613	20.922	20.093	20.093
BANK 6	20.040	20.439	0.000	0.000	0.000	71.317	70.152	78.322	78.443
BANK 7	22.217	22.223	0.690	35.740	50.400	0.000	0.000	0.000	0.000
525 READING AT 84017:1950									
BANK 1	70.506	70.759	0.000	72.273	68.648	69.714	69.687	0.000	0.000
BANK 2	79.916	60.433	79.272	72.314	72.473	68.735	69.714	70.049	70.949
BANK 3	60.372	65.227	68.372	69.342	68.934	67.735	70.187	67.922	70.922
BANK 4	67.740	67.223	67.663	68.355	66.348	23.829	20.519	20.469	20.469
BANK 5	19.517	20.439	19.360	19.395	26.700	24.440	20.402	20.053	20.053
BANK 6	19.590	20.439	0.000	0.000	0.000	71.317	70.152	78.453	0.000
BANK 7	22.217	22.223	0.810	35.370	50.350	0.000	0.000	0.000	0.000
526 READING AT 84017:2000									
BANK 1	69.767	70.659	0.000	72.244	68.636	69.714	69.697	0.000	0.000

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BANK 2	75.935	80.463	79.272	73.402	72.324	72.833	69.472	68.795	69.714	70.036
BANK 3	70.362	65.217	68.352	67.680	69.332	68.924	69.763	67.776	70.436	67.902
BANK 4	67.740	67.222	67.426	67.663	66.775	66.278	66.670	23.958	21.677	20.528
BANK 5	19.957	20.958	20.674	19.840	19.474	20.700	21.307	20.912	20.912	20.043
BANK 6	22.217	22.222	22.214	0.000	0.000	50.370	0.000	0.000	0.000	0.000

527 READING AT 84017:2010

BANK 1	70.515	70.719	0.000	0.000	72.354	68.648	0.000	69.714	69.697	0.000
BANK 2	79.916	80.473	79.232	73.352	72.324	72.833	69.472	68.795	69.714	70.036
BANK 3	70.372	67.171	69.372	67.680	69.332	68.924	69.763	67.776	70.436	67.902
BANK 4	67.740	67.222	67.426	67.663	66.775	66.278	66.670	23.958	21.677	20.528
BANK 5	19.957	20.958	20.674	19.840	19.474	20.700	21.307	20.912	20.912	20.043
BANK 6	22.217	22.221	22.214	0.000	0.000	50.370	0.000	0.000	0.000	0.000

528 READING AT 84017:2020

BANK 1	69.807	70.659	0.000	0.000	72.364	68.638	0.000	69.714	69.687	0.000
BANK 2	79.916	80.443	78.272	73.382	72.304	72.848	69.472	68.795	69.694	0.000
BANK 3	70.362	65.192	68.312	67.670	69.322	68.934	69.763	67.776	70.436	67.902
BANK 4	67.690	67.212	67.346	67.663	66.694	66.298	66.670	23.918	21.099	20.847
BANK 5	21.138	20.949	20.347	20.060	20.581	26.501	23.274	20.422	20.422	20.053
BANK 6	20.000	20.949	0.000	0.000	0.000	0.000	71.317	70.932	70.352	78.393
BANK 7	22.216	22.221	22.214	0.000	0.000	50.360	0.000	0.000	0.000	0.000

529 READING AT 84017:2030

BANK 1	70.525	70.729	0.000	0.000	72.334	68.648	0.000	69.724	69.697	0.000
BANK 2	79.926	80.443	78.252	73.402	72.324	72.848	69.472	68.795	69.714	70.036
BANK 3	70.372	65.177	68.332	67.740	69.352	68.944	69.763	67.776	70.347	67.932
BANK 4	67.690	67.202	67.306	67.663	66.730	66.298	66.670	23.619	21.225	21.215
BANK 5	21.138	20.966	19.798	20.249	21.090	26.531	23.032	20.422	20.422	20.033
BANK 6	20.010	20.439	0.000	0.000	0.000	0.000	71.327	70.932	70.422	78.423
BANK 7	22.217	22.222	22.214	0.000	0.000	50.350	0.000	0.000	0.000	0.000

530 READING AT 84017:2040

BANK 1	69.797	70.245	0.000	0.000	72.334	68.638	0.000	69.724	69.677	0.000
BANK 2	79.906	80.423	79.252	73.412	72.304	72.848	69.472	68.795	69.704	70.036
BANK 3	67.740	65.177	68.352	67.700	69.352	68.944	69.763	67.776	70.317	67.922
BANK 4	67.690	67.202	67.376	67.663	66.730	66.298	66.670	23.485	24.698	21.714
BANK 5	21.776	23.966	19.315	20.040	21.385	26.042	22.868	20.933	20.402	20.033
BANK 6	20.020	20.439	0.000	0.000	0.000	0.000	71.317	70.932	70.172	78.333
BANK 7	22.217	22.224	22.215	0.000	0.000	50.360	0.000	0.000	0.000	0.000

531 READING AT 84017:2050

BANK 1	70.525	70.729	0.000	0.000	72.324	68.628	0.000	69.704	69.677	0.000
BANK 2	79.906	80.463	79.232	73.402	72.364	72.848	69.472	68.795	69.694	0.000
BANK 3	70.342	67.172	69.332	67.670	69.374	68.954	69.763	67.795	70.327	70.026
BANK 4	67.730	67.202	67.352	67.663	66.734	66.298	66.670	23.485	24.698	21.714
BANK 5	21.955	23.966	19.358	20.070	21.100	26.790	22.686	20.923	20.382	20.023
BANK 6	20.000	20.429	0.000	0.000	0.000	0.000	71.317	70.932	70.412	78.373
BANK 7	22.216	22.221	22.214	0.000	0.000	50.400	0.000	0.000	0.000	0.000

532 READING AT 84017:2100

BANK 1	69.817	70.639	0.000	0.000	72.244	68.618	0.000	69.724	69.687	0.000
BANK 2	79.888	80.443	79.242	73.368	72.304	72.848	69.472	68.795	69.714	70.029
BANK 3	70.352	65.192	68.312	67.710	69.374	68.954	69.763	67.795	70.267	67.922
BANK 4	67.670	67.202	67.306	67.663	66.715	66.288	66.700	23.459	29.903	22.091
BANK 5	21.965	24.026	19.358	20.850	20.881	27.209	21.557	20.372	20.372	20.003
BANK 6	19.970	20.421	0.000	0.000	0.000	0.000	71.317	70.932	70.412	78.442
BANK 7	22.216	22.221	22.215	0.000	0.000	50.370	0.000	0.000	0.000	0.000

533 READING AT 84017:2110

BANK 1	70.515	70.719	0.000	0.000	72.244	68.628	0.000	69.714	69.677	0.000
BANK 2	79.886	80.403	79.212	73.352	72.324	72.848	69.472	68.766	69.684	70.026
BANK 3	70.352	65.167	68.372	67.670	69.352	68.944	69.763	67.785	70.356	67.902

BANK 4 67.740 67.172 67.356 67.643 66.684 66.248 66.730 23.419 33.813 21.532  
 BANK 5 22.194 24.006 19.419 22.161 20.461 27.219 22.587 20.923 20.362 20.003  
 BANK 6 19.970 20.419 0.000 0.000 0.000 0.000 71.307 70.532 70.242 78.373  
 BANK 7 22.216 22.219 22.213 0.470 36.350 50.370 0.000 0.000 0.000 0.000

534 READING AT 84017:2120  
 BANK 1 69.777 70.623 70.000 0.000 72.124 69.816 0.000 69.719 69.687 0.000  
 BANK 2 79.856 80.423 79.422 73.372 74.554 72.463 69.532 69.716 69.584 70.006  
 BANK 3 70.952 69.157 69.932 69.660 66.953 66.914 66.730 67.446 67.397 67.434  
 BANK 4 67.750 67.162 67.926 67.663 66.726 66.348 66.666 66.446 66.397 66.434  
 BANK 5 22.248 24.006 19.419 22.161 20.461 27.219 22.587 20.923 20.362 20.003  
 BANK 6 19.970 20.419 0.000 0.000 0.000 0.000 71.307 70.532 70.242 78.373  
 BANK 7 22.216 22.219 22.213 0.470 36.350 50.370 0.000 0.000 0.000 0.000

535 READING AT 84017:2130  
 BANK 1 70.527 71.373 70.372 73.322 74.504 72.413 69.481 69.674 69.546 70.000  
 BANK 2 79.856 80.423 79.422 73.372 74.554 72.463 69.532 69.716 69.584 70.006  
 BANK 3 70.952 69.157 69.932 69.660 66.953 66.914 66.730 67.446 67.397 67.434  
 BANK 4 67.750 67.162 67.926 67.663 66.726 66.348 66.666 66.446 66.397 66.434  
 BANK 5 22.248 24.006 19.419 22.161 20.461 27.219 22.587 20.923 20.362 20.003  
 BANK 6 19.970 20.419 0.000 0.000 0.000 0.000 71.307 70.532 70.242 78.373  
 BANK 7 22.216 22.219 22.213 0.470 36.350 50.370 0.000 0.000 0.000 0.000

536 READING AT 84017:2140  
 BANK 1 69.807 70.649 70.000 0.000 72.334 69.618 0.000 69.704 69.667 0.000  
 BANK 2 79.856 80.433 79.422 73.322 74.524 72.443 69.532 69.716 69.584 70.006  
 BANK 3 70.952 69.171 69.932 69.660 66.953 66.914 66.730 67.446 67.397 67.434  
 BANK 4 67.740 67.171 67.926 67.660 66.726 66.348 66.666 66.446 66.397 66.434  
 BANK 5 22.184 24.006 19.419 22.161 20.461 27.219 22.587 20.923 20.362 20.003  
 BANK 6 19.980 20.419 0.000 0.000 0.000 0.000 71.307 70.532 70.242 78.373  
 BANK 7 22.214 22.219 22.213 0.500 36.400 50.420 0.000 0.000 0.000 0.000

537 READING AT 84017:2150  
 BANK 1 70.545 71.391 70.372 73.322 74.544 72.453 69.532 69.716 69.584 70.006  
 BANK 2 79.856 80.447 79.422 73.322 74.566 72.463 69.532 69.716 69.584 70.006  
 BANK 3 70.952 69.180 69.932 69.660 66.953 66.914 66.730 67.446 67.397 67.434  
 BANK 4 67.740 67.180 67.926 67.660 66.726 66.348 66.666 66.446 66.397 66.434  
 BANK 5 22.214 24.006 19.419 22.161 20.461 27.219 22.587 20.923 20.362 20.003  
 BANK 6 19.980 20.419 0.000 0.000 0.000 0.000 71.307 70.532 70.242 78.373  
 BANK 7 22.214 22.219 22.213 0.500 36.400 50.420 0.000 0.000 0.000 0.000

538 READING AT 84017:2200  
 BANK 1 69.807 70.649 70.000 0.000 72.334 69.618 0.000 69.624 69.667 0.000  
 BANK 2 79.856 80.433 79.422 73.322 74.524 72.443 69.532 69.716 69.584 70.006  
 BANK 3 70.952 69.171 69.932 69.660 66.953 66.914 66.730 67.446 67.397 67.434  
 BANK 4 67.740 67.171 67.926 67.660 66.726 66.348 66.666 66.446 66.397 66.434  
 BANK 5 22.184 24.006 19.419 22.161 20.461 27.219 22.587 20.923 20.362 20.003  
 BANK 6 19.980 20.419 0.000 0.000 0.000 0.000 71.307 70.532 70.242 78.373  
 BANK 7 22.214 22.219 22.213 0.500 36.400 50.420 0.000 0.000 0.000 0.000

539 READING AT 84017:2210  
 BANK 1 70.545 71.391 70.372 73.322 74.544 72.453 69.532 69.716 69.584 70.006  
 BANK 2 79.856 80.447 79.422 73.322 74.566 72.463 69.532 69.716 69.584 70.006  
 BANK 3 70.952 69.180 69.932 69.660 66.953 66.914 66.730 67.446 67.397 67.434  
 BANK 4 67.740 67.180 67.926 67.660 66.726 66.348 66.666 66.446 66.397 66.434  
 BANK 5 22.214 24.006 19.419 22.161 20.461 27.219 22.587 20.923 20.362 20.003  
 BANK 6 19.980 20.419 0.000 0.000 0.000 0.000 71.307 70.532 70.242 78.373  
 BANK 7 22.214 22.219 22.213 0.500 36.400 50.420 0.000 0.000 0.000 0.000

540 READING AT 84017:2220  
 BANK 1 69.807 70.649 70.000 0.000 72.334 69.618 0.000 69.624 69.667 0.000  
 BANK 2 79.856 80.433 79.422 73.322 74.524 72.443 69.532 69.716 69.584 70.006  
 BANK 3 70.952 69.171 69.932 69.660 66.953 66.914 66.730 67.446 67.397 67.434  
 BANK 4 67.740 67.171 67.926 67.660 66.726 66.348 66.666 66.446 66.397 66.434  
 BANK 5 22.184 24.006 19.419 22.161 20.461 27.219 22.587 20.923 20.362 20.003  
 BANK 6 19.980 20.419 0.000 0.000 0.000 0.000 71.307 70.532 70.242 78.373  
 BANK 7 22.214 22.219 22.213 0.500 36.400 50.420 0.000 0.000 0.000 0.000

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Bank 6	17.960	50.407	0.000	0.000	0.000	0.000	0.000	71.297	70.512	70.512	78.273
Bank 7	22.213	22.217	22.209	0.880	36.050	50.500	0.000	0.000	0.000	0.000	0.000
541 READING AT 84017:2230											
Bank 1	75.672	60.403	75.000	0.000	74.234	58.619	0.000	69.704	69.647	69.647	0.000
Bank 2	70.352	67.121	68.182	67.610	67.302	68.804	69.756	68.766	68.674	68.674	0.000
Bank 3	67.700	67.192	67.386	67.643	66.715	66.238	66.650	66.790	66.738	66.738	0.000
Bank 4	21.167	23.667	20.168	19.750	24.729	26.426	20.377	20.923	20.412	20.412	0.000
Bank 5	18.960	20.409	0.000	0.000	0.000	0.000	71.297	70.512	70.512	78.273	
Bank 6	22.214	22.220	22.213	0.880	36.050	50.500	0.000	0.000	0.000	0.000	
542 READING AT 84017:2240											
Bank 1	62.617	70.642	0.000	0.000	72.224	68.408	0.000	69.694	69.637	69.637	0.000
Bank 2	79.846	69.523	79.174	73.982	72.424	72.424	69.432	69.720	69.663	69.663	0.000
Bank 3	70.572	65.087	68.182	67.610	66.715	66.238	66.650	66.790	66.738	66.738	0.000
Bank 4	21.167	23.667	20.168	19.750	24.729	26.426	20.377	20.923	20.412	20.412	0.000
Bank 5	18.960	20.409	0.000	0.000	0.000	0.000	71.297	70.512	70.512	78.273	
Bank 6	22.214	22.220	22.213	0.880	36.050	50.500	0.000	0.000	0.000	0.000	
543 READING AT 84017:2250											
Bank 1	70.555	70.699	70.000	0.000	72.214	68.416	0.000	69.724	69.667	69.667	0.000
Bank 2	79.846	69.523	79.174	73.982	72.424	72.424	69.432	69.720	69.663	69.663	0.000
Bank 3	70.572	65.087	68.182	67.610	66.715	66.238	66.650	66.790	66.738	66.738	0.000
Bank 4	21.167	23.667	20.168	19.750	24.729	26.426	20.377	20.923	20.412	20.412	0.000
Bank 5	18.960	20.409	0.000	0.000	0.000	0.000	71.297	70.512	70.512	78.273	
Bank 6	22.214	22.220	22.213	0.880	36.050	50.500	0.000	0.000	0.000	0.000	
544 READING AT 84017:2300											
Bank 1	60.647	70.619	0.000	0.000	72.214	68.408	0.000	69.724	69.667	69.667	0.000
Bank 2	79.846	69.523	79.174	73.982	72.424	72.424	69.432	69.720	69.663	69.663	0.000
Bank 3	70.572	65.087	68.182	67.610	66.715	66.238	66.650	66.790	66.738	66.738	0.000
Bank 4	21.167	23.667	20.168	19.750	24.729	26.426	20.377	20.923	20.412	20.412	0.000
Bank 5	18.960	20.409	0.000	0.000	0.000	0.000	71.297	70.512	70.512	78.273	
Bank 6	22.214	22.220	22.213	0.880	36.050	50.500	0.000	0.000	0.000	0.000	
545 READING AT 84017:2310											
Bank 1	70.595	70.709	0.000	0.000	72.214	68.416	0.000	69.724	69.667	69.667	0.000
Bank 2	79.846	69.523	79.174	73.982	72.424	72.424	69.432	69.720	69.663	69.663	0.000
Bank 3	70.572	65.087	68.182	67.610	66.715	66.238	66.650	66.790	66.738	66.738	0.000
Bank 4	21.167	23.667	20.168	19.750	24.729	26.426	20.377	20.923	20.412	20.412	0.000
Bank 5	18.960	20.409	0.000	0.000	0.000	0.000	71.297	70.512	70.512	78.273	
Bank 6	22.214	22.220	22.213	0.880	36.050	50.500	0.000	0.000	0.000	0.000	
546 READING AT 84017:2320											
Bank 1	62.627	70.659	0.000	0.000	72.214	68.426	0.000	69.694	69.637	69.637	0.000
Bank 2	79.846	69.523	79.174	73.982	72.424	72.424	69.432	69.720	69.663	69.663	0.000
Bank 3	70.572	65.087	68.182	67.610	66.715	66.238	66.650	66.790	66.738	66.738	0.000
Bank 4	21.167	23.667	20.168	19.750	24.729	26.426	20.377	20.923	20.412	20.412	0.000
Bank 5	18.960	20.409	0.000	0.000	0.000	0.000	71.297	70.512	70.512	78.273	
Bank 6	22.214	22.220	22.213	0.880	36.050	50.500	0.000	0.000	0.000	0.000	
547 READING AT 84017:2330											
Bank 1	70.560	70.714	0.000	0.000	72.214	68.416	0.000	69.724	69.667	69.667	0.000
Bank 2	79.846	69.523	79.174	73.982	72.424	72.424	69.432	69.720	69.663	69.663	0.000
Bank 3	70.572	65.087	68.182	67.610	66.715	66.238	66.650	66.790	66.738	66.738	0.000
Bank 4	21.167	23.667	20.168	19.750	24.729	26.426	20.377	20.923	20.412	20.412	0.000
Bank 5	18.960	20.409	0.000	0.000	0.000	0.000	71.297	70.512	70.512	78.273	
Bank 6	22.214	22.220	22.213	0.880	36.050	50.500	0.000	0.000	0.000	0.000	

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## 548 READING AT 84017:2340

BANK 1	69.847	70.639	0.000	0.000	72.234	68.618	0.000	69.694	69.677	0.000
BANK 2	79.846	80.353	79.162	73.382	72.234	72.463	69.632	68.736	69.684	70.016
BANK 3	70.342	65.057	68.282	67.331	67.342	68.894	69.753	67.745	70.287	67.912
BANK 4	67.730	67.172	67.342	67.653	66.735	66.378	66.720	23.549	21.032	20.917
BANK 5	21.008	23.746	19.192	19.222	19.368	20.001	22.224	20.212	20.262	19.969
BANK 6	19.921	20.389	0.000	0.000	0.000	0.000	71.257	70.512	70.342	70.253
BANK 7	22.209	22.213	22.206	0.510	36.070	50.480	0.000	0.000	0.000	0.000

## 549 READING AT 84017:2350

BANK 1	70.565	70.709	0.000	0.000	72.234	68.628	0.000	69.894	69.657	0.000
BANK 2	79.816	80.353	79.162	73.402	72.274	72.473	69.592	68.756	69.664	70.016
BANK 3	70.342	65.027	68.302	67.551	67.342	68.894	69.753	67.766	70.347	67.912
BANK 4	67.700	67.152	67.536	67.649	66.766	66.979	66.720	20.760	20.962	20.679
BANK 5	21.008	23.706	19.140	19.170	19.103	20.241	22.656	20.803	20.362	19.893
BANK 6	19.911	20.389	0.000	0.000	0.000	0.000	71.287	70.503	70.292	70.233
BANK 7	22.210	22.215	22.206	0.500	36.110	50.490	0.000	0.000	0.000	0.000

## 550 READING AT 84018: 0

BANK 1	69.876	70.639	0.000	0.000	72.234	68.608	0.000	69.694	69.657	0.000
BANK 2	79.816	80.343	79.162	73.372	72.204	72.443	69.652	68.746	69.664	70.026
BANK 3	70.352	65.057	68.282	67.421	67.322	68.904	69.723	67.776	70.458	67.922
BANK 4	67.700	67.172	67.256	67.613	66.725	66.258	66.700	20.025	20.979	20.824
BANK 5	21.048	23.716	19.419	19.019	19.803	20.371	23.404	20.893	20.362	19.963
BANK 6	19.861	20.379	0.000	0.000	0.000	0.000	71.297	70.503	70.432	70.233
BANK 7	22.209	22.214	22.207	0.460	36.160	50.480	0.000	0.000	0.000	0.000

## 551 READING AT 84018: 10

BANK 1	70.595	70.699	0.000	0.000	72.234	68.628	0.000	69.894	69.657	0.000
BANK 2	79.826	80.373	79.192	73.372	72.204	72.453	69.692	68.756	69.664	70.016
BANK 3	70.352	65.027	68.282	67.541	67.352	68.894	69.753	67.776	70.157	67.872
BANK 4	67.730	67.152	67.256	67.613	66.845	66.378	66.720	20.152	20.870	20.869
BANK 5	20.819	23.706	19.878	19.800	19.524	20.401	23.922	20.893	20.362	19.903
BANK 6	19.801	20.379	0.000	0.000	0.000	0.000	71.297	70.503	70.402	70.233
BANK 7	22.210	22.215	22.207	0.440	36.090	50.480	0.000	0.000	0.000	0.000

## 552 READING AT 84018: 20

BANK 1	69.876	70.619	0.000	0.000	72.234	68.628	0.000	69.704	69.667	0.000
BANK 2	79.796	80.373	79.172	73.372	72.204	72.443	69.572	68.756	69.664	70.016
BANK 3	70.342	64.997	68.242	67.491	67.382	68.904	69.773	67.766	70.337	67.872
BANK 4	67.720	67.202	67.276	67.623	66.775	66.388	66.700	20.262	20.890	20.230
BANK 5	20.819	23.771	20.977	19.800	19.363	20.231	20.199	20.893	20.362	19.893
BANK 6	19.751	20.389	0.000	0.000	0.000	0.000	71.307	70.512	70.002	70.233
BANK 7	22.209	22.214	22.207	0.560	35.260	50.500	0.000	0.000	0.000	0.000

## 553 READING AT 84018: 30

BANK 1	70.615	70.699	0.000	0.000	72.244	68.628	0.000	69.704	69.677	0.000
BANK 2	79.816	80.343	79.172	73.372	72.234	72.453	69.642	68.756	69.674	70.016
BANK 3	70.332	65.017	68.202	67.501	67.322	68.894	69.753	67.746	70.436	67.793
BANK 4	67.720	67.232	67.318	67.655	66.732	66.428	66.710	20.882	20.870	20.180
BANK 5	20.529	24.225	20.555	19.570	19.155	20.152	20.210	20.893	20.362	19.893
BANK 6	19.711	20.389	0.000	0.000	0.000	0.000	71.317	70.512	70.472	70.233
BANK 7	22.210	22.214	22.207	0.680	35.130	50.500	0.000	0.000	0.000	0.000

## REPORT SELECTIONS:

← END OF DATA FOR  
VERIFICATION TEST

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REDUCED PRESSURE TEST 24 HOUR RESULTS

RESULTS OF CONTAINMENT MASS FLOT ANALYSIS (%/DAY)

RDG	TIME	MINIMUM LEAK RATE	OBSERVED LEAK RATE	MAXIMUM LEAK RATE
368	84016:1750	0.0000000	0.0000000	0.0000000
369	84016:1800	0.0000000	0.0000000	0.0000000
370	84016:1830	0.0000000	0.0000000	0.0000000
371	84016:1845	0.0000000	0.0000000	0.0000000
372	84016:1845	0.0000000	0.0000000	0.0000000
373	84016:1845	0.0000000	0.0000000	0.0000000
374	84016:1845	0.0000000	0.0000000	0.0000000
375	84016:1845	0.0000000	0.0000000	0.0000000
376	84016:1845	0.0000000	0.0000000	0.0000000
377	84016:1845	0.0000000	0.0000000	0.0000000
378	84016:1845	0.0000000	0.0000000	0.0000000
379	84016:1845	0.0000000	0.0000000	0.0000000
380	84016:1845	0.0000000	0.0000000	0.0000000
381	84016:1845	0.0000000	0.0000000	0.0000000
382	84016:1845	0.0000000	0.0000000	0.0000000
383	84016:1845	0.0000000	0.0000000	0.0000000
384	84016:1845	0.0000000	0.0000000	0.0000000
385	84016:1845	0.0000000	0.0000000	0.0000000
386	84016:1845	0.0000000	0.0000000	0.0000000
387	84016:1845	0.0000000	0.0000000	0.0000000
388	84016:1845	0.0000000	0.0000000	0.0000000
389	84016:1845	0.0000000	0.0000000	0.0000000
390	84016:1845	0.0000000	0.0000000	0.0000000
391	84016:1845	0.0000000	0.0000000	0.0000000
392	84016:1845	0.0000000	0.0000000	0.0000000
393	84016:1845	0.0000000	0.0000000	0.0000000
394	84016:1845	0.0000000	0.0000000	0.0000000
395	84016:1845	0.0000000	0.0000000	0.0000000
396	84016:1845	0.0000000	0.0000000	0.0000000
397	84016:1845	0.0000000	0.0000000	0.0000000
398	84016:1845	0.0000000	0.0000000	0.0000000
399	84016:1845	0.0000000	0.0000000	0.0000000
400	84016:1845	0.0000000	0.0000000	0.0000000
401	84016:1845	0.0000000	0.0000000	0.0000000
402	84016:1845	0.0000000	0.0000000	0.0000000
403	84016:1845	0.0000000	0.0000000	0.0000000
404	84016:1845	0.0000000	0.0000000	0.0000000
405	84016:1845	0.0000000	0.0000000	0.0000000
406	84016:1845	0.0000000	0.0000000	0.0000000
407	84016:1845	0.0000000	0.0000000	0.0000000
408	84016:1845	0.0000000	0.0000000	0.0000000
409	84016:1845	0.0000000	0.0000000	0.0000000
410	84016:1845	0.0000000	0.0000000	0.0000000
411	84016:1845	0.0000000	0.0000000	0.0000000
412	84016:1845	0.0000000	0.0000000	0.0000000
413	84016:1845	0.0000000	0.0000000	0.0000000
414	84016:1845	0.0000000	0.0000000	0.0000000
415	84016:1845	0.0000000	0.0000000	0.0000000
416	84016:1845	0.0000000	0.0000000	0.0000000
417	84016:1845	0.0000000	0.0000000	0.0000000
418	84016:1845	0.0000000	0.0000000	0.0000000
419	84016:1845	0.0000000	0.0000000	0.0000000
420	84016:1845	0.0000000	0.0000000	0.0000000
421	84016:1845	0.0000000	0.0000000	0.0000000
422	84016:1845	0.0000000	0.0000000	0.0000000
423	84016:1845	0.0000000	0.0000000	0.0000000
424	84016:1845	0.0000000	0.0000000	0.0000000
425	84016:1845	0.0000000	0.0000000	0.0000000

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426	84017	320	0.0323534	0.0512306	0.0732272
427	84017	330	0.0324926	0.0536905	0.0752885
428	84017	340	0.0327139	0.0528454	0.0735571
429	84017	350	0.0330789	0.0516748	0.0708619
430	84017	410	0.0347721	0.0510033	0.0730358
431	84017	420	0.0349663	0.0533274	0.0718727
432	84017	430	0.036275	0.0533274	0.0711766
433	84017	440	0.0419518	0.0602703	0.0785882
434	84017	450	0.0449582	0.0630020	0.0810452
435	84017	500	0.0499143	0.0619071	0.0871003
436	84017	510	0.0471743	0.0614741	0.0813473
437	84017	520	0.0447601	0.0628919	0.0792932
438	84017	530	0.0446091	0.0603427	0.0772763
439	84017	540	0.0438371	0.0570778	0.0773927
440	84017	550	0.0433412	0.0552093	0.0716774
441	84017	600	0.0388687	0.0528836	0.0688990
442	84017	610	0.0350444	0.0503101	0.0665759
443	84017	620	0.0347710	0.0491111	0.0671172
444	84017	630	0.0336132	0.0514334	0.0727432
445	84017	640	0.0370482	0.0517877	0.0655273
446	84017	650	0.0364846	0.0523053	0.0673261
447	84017	700	0.0411971	0.0523892	0.0823905
448	84017	710	0.0415721	0.0525093	0.0739405
449	84017	720	0.0459983	0.0592987	0.0742088
450	84017	730	0.0456795	0.0593637	0.0735918
451	84017	740	0.0469788	0.0603799	0.0732907
452	84017	750	0.0465788	0.0580995	0.0732403
453	84017	800	0.0466995	0.0566007	0.0726820
454	84017	810	0.0449339	0.0523237	0.0719536
455	84017	820	0.0459997	0.0503733	0.0709933
456	84017	830	0.0435665	0.0505778	0.0707352
457	84017	840	0.0435390	0.0509009	0.0684239
458	84017	850	0.0393255	0.0515123	0.0664237
459	84017	900	0.0390003	0.0517212	0.0633039
460	84017	910	0.0402088	0.051253	0.0640423
461	84017	920	0.0413879	0.0531053	0.0648227
462	84017	930	0.0412729	0.0527507	0.0642386
463	84017	940	0.0411975	0.0524921	0.0636689
464	84017	950	0.0403550	0.0514280	0.0635002
465	84017	000	0.0419271	0.0533393	0.0633973
466	84017	010	0.0423341	0.0533393	0.0633973
467	84017	020	0.0433341	0.0513793	0.0621911
468	84017	030	0.0433341	0.052769	0.0637141
469	84017	040	0.0459746	0.052352	0.0661844
470	84017	050	0.0462016	0.052706	0.0663356
471	84017	100	0.0469329	0.0592122	0.0690991
472	84017	110	0.0457776	0.0533392	0.0648516
473	84017	120	0.0458051	0.0518576	0.0645623
474	84017	130	0.0456717	0.0516977	0.0641010
475	84017	140	0.0456117	0.0516556	0.0637074
476	84017	150	0.0456720	0.0514743	0.0634404
477	84017	200	0.0456402	0.0514743	0.0634404
478	84017	210	0.0451723	0.0511112	0.0623977
479	84017	220	0.0451723	0.0511112	0.0623977
480	84017	230	0.0468483	0.0516116	0.0639470
481	84017	240	0.0468483	0.0516116	0.0639470
482	84017	250	0.0472223	0.0531593	0.0640237
483	84017	260	0.0471401	0.0537491	0.0639610
484	84017	310	0.0501287	0.0583170	0.0645013
485	84017	320	0.0509123	0.0590003	0.0670818
486	84017	330	0.0509004	0.0588537	0.0668011
487	84017	340	0.0507371	0.0587026	0.0663970
488	84017	350	0.0505651	0.0587026	0.0663970
489	84017	400	0.0510561	0.0586604	0.0661826

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491	84017: 410	0.0509158	0.0503709	0.0658740
492	84017: 420	0.0507500	0.0501500	0.0654701
493	84017: 430	0.0503182	0.0573694	0.0648206
494	84017: 440	0.0499626	0.0571175	0.0642725
495	84017: 450	0.0495933	0.0567289	0.0637745
496	84017: 460	0.0492243	0.0563603	0.0632962
497	84017: 470	0.0488553	0.0559917	0.0628179
498	84017: 480	0.0484863	0.0556231	0.0623396
499	84017: 490	0.0481173	0.0552545	0.0618613
500	84017: 500	0.0477483	0.0548859	0.0613830
501	84017: 510	0.0473793	0.0545173	0.0609047
502	84017: 520	0.0470103	0.0541487	0.0604264
503	84017: 530	0.0466413	0.0537801	0.0599481
504	84017: 540	0.0462723	0.0534115	0.0594698
505	84017: 550	0.0459033	0.0530429	0.0589915
506	84017: 560	0.0455343	0.0526743	0.0585132
507	84017: 570	0.0451653	0.0523057	0.0580349
508	84017: 580	0.0447963	0.0519371	0.0575566
509	84017: 590	0.0444273	0.0515685	0.0570783
510	84017: 600	0.0440583	0.0512000	0.0565999
511	84017: 610	0.0436893	0.0508314	0.0561216
512	84017: 620	0.0433203	0.0504628	0.0556433
513	84017: 630	0.0429513	0.0500942	0.0551650
514	84017: 640	0.0425823	0.0497256	0.0546867
515	84017: 650	0.0422133	0.0493570	0.0542084
516	84017: 660	0.0418443	0.0489884	0.0537301
517	84017: 670	0.0414753	0.0486198	0.0532518
518	84017: 680	0.0411063	0.0482512	0.0527735
519	84017: 690	0.0407373	0.0478826	0.0522952
520	84017: 700	0.0403683	0.0475140	0.0518169
521	84017: 710	0.0400000	0.0471454	0.0513386
522	84017: 720	0.0396314	0.0467768	0.0508603
523	84017: 730	0.0392628	0.0464082	0.0503820
524	84017: 740	0.0388942	0.0460396	0.0499037
525	84017: 750	0.0385256	0.0456710	0.0494254
526	84017: 760	0.0381570	0.0453024	0.0489471
527	84017: 770	0.0377884	0.0449338	0.0484688
528	84017: 780	0.0374198	0.0445652	0.0479905
529	84017: 790	0.0370512	0.0441966	0.0475122
530	84017: 800	0.0366826	0.0438280	0.0470339
531	84017: 810	0.0363140	0.0434594	0.0465556
532	84017: 820	0.0359454	0.0430908	0.0460773
533	84017: 830	0.0355768	0.0427222	0.0455990
534	84017: 840	0.0352082	0.0423536	0.0451207
535	84017: 850	0.0348396	0.0419850	0.0446424
536	84017: 860	0.0344710	0.0416164	0.0441641
537	84017: 870	0.0341024	0.0412478	0.0436858
538	84017: 880	0.0337338	0.0408792	0.0432075
539	84017: 890	0.0333652	0.0405106	0.0427292
540	84017: 900	0.0330000	0.0401420	0.0422509
541	84017: 910	0.0326314	0.0397734	0.0417726
542	84017: 920	0.0322628	0.0394048	0.0412943
543	84017: 930	0.0318942	0.0390362	0.0408160
544	84017: 940	0.0315256	0.0386676	0.0403377
545	84017: 950	0.0311570	0.0382990	0.0398594
546	84017: 960	0.0307884	0.0379304	0.0393811
547	84017: 970	0.0304198	0.0375618	0.0389028
548	84017: 980	0.0300512	0.0371932	0.0384245
549	84017: 990	0.0296826	0.0368246	0.0379462
550	84017: 1000	0.0293140	0.0364560	0.0374679

REPORT SELECTIONS



LEAK RATE ANALYSIS

0.0182/DAY LEAKAGE OBSERVED AFTERS 12 READINGS

LEAK RATE "BANDWIDTH": MIN IS 0.0000, MAX IS 0.0750

RDG	TIME	NORM MGT	EXP MGT	DEV/LEAK	DBS	LEAK RATE	LEAK RATE
						LIMITATION	
368	84016:1740	0.00000	0.00119	272.72	0.0000000	0.0000000	
369	84016:1750	0.00029	0.00114	23.67	0.0000000	0.0000000	
370	84016:1800	0.00053	0.00114	133.91	1.0306549	0.0000000	
371	84016:1810	0.00123	0.00106	40.19	0.0058931	0.0058931	
372	84016:1820	0.00160	0.00102	136.14	0.2558096	0.2558096	
373	84016:1830	0.00047	0.00097	117.52	0.0686302	0.0686302	
374	84016:1840	0.00105	0.00093	128.62	0.0311541	0.0311541	
375	84016:1850	0.00049	0.00084	113.90	0.1021140	0.1021140	
376	84016:1900	0.00035	0.00080	43.41	0.1355035	0.1355035	
377	84016:1910	0.999890	0.00077	4.3	0.2863234	0.2863234	
378	84016:1920	0.00077	0.00076	3.89	0.1988977	0.1988977	
380	84016:1940	0.00137	0.00074	171.71	0.1159719	0.1159719	
381	84016:1950	0.00147	0.00063	123.24	0.0520658	0.0520658	
382	84016:2000	0.00139	0.00059	87.53	0.0074786	0.0074786	
383	84016:2010	0.00149	0.00054	163.43	0.0174706	0.0174706	
384	84016:2020	0.00217	0.00046	39.52	0.0430337	0.0430337	
385	84016:2030	0.00187	0.00041	33.56	0.0710793	0.0710793	
386	84016:2040	0.99982	0.00034	171.71	0.0419237	0.0419237	
387	84016:2050	0.99997	0.00032	37.42	0.0059326	0.0059326	
388	84016:2100	0.99931	0.00029	460.22	0.0529506	0.0529506	
389	84016:2110	0.99933	0.00024	212.82	0.0704631	0.0704631	
390	84016:2120	0.99930	0.00018	20.7	0.0534339	0.0534339	
391	84016:2130	0.99995	0.00016	60.7	0.0340288	0.0340288	
392	84016:2140	0.99997	0.00011	97.57	0.0837074	0.0837074	
393	84016:2150	0.999950	0.00007	134.05	0.0324031	0.0324031	
394	84016:2200	0.99993	0.00003	497.88	0.048631	0.048631	
395	84016:2210	0.99990	0.99999	271.87	0.1050510	0.1050510	
396	84016:2220	0.99987	0.99998	171.87	0.141762	0.141762	
397	84016:2230	0.99987	0.99998	360.38	0.235339	0.235339	
398	84016:2240	0.99984	0.99997	27.46	0.1397874	0.1397874	
399	84016:2250	0.00010	0.99977	76.40	0.134405	0.134405	
400	84016:2300	0.00000	0.99973	64.46	0.1237431	0.1237431	
401	84016:2310	0.00037	0.99964	148.15	0.1140513	0.1140513	
402	84016:2320	0.00035	0.99956	125.15	0.055748	0.055748	
403	84016:2330	0.00032	0.99956	125.31	0.0890392	0.0890392	
404	84016:2340	0.00047	0.99949	103.76	0.0791771	0.0791771	
405	84016:2350	0.99994	0.99943	19.69	0.0660512	0.0660512	
406	84016:2400	0.99994	0.99939	97.98	0.0646418	0.0646418	
407	84016:2410	0.99995	0.99934	84.18	0.0617022	0.0617022	
408	84016:2420	0.99994	0.99930	84.18	0.0595997	0.0595997	
409	84016:2430	1.00004	0.99926	28.94	0.0575428	0.0575428	
410	84016:2440	0.99997	0.99921	277.97	0.052871	0.052871	
411	84016:2450	0.99997	0.99917	146.64	0.0501099	0.0501099	
412	84016:2500	0.99997	0.99913	21.67	0.0482058	0.0482058	
413	84016:2510	0.99997	0.99909	21.67	0.048266	0.048266	
414	84016:2520	0.99997	0.99904	11.99	0.042441	0.042441	
415	84016:2530	0.99997	0.99899	92.99	0.0482629	0.0482629	
416	84016:2540	0.99999	0.99896	92.46	0.0453180	0.0453180	
417	84016:2550	0.99999	0.99891	35.44			

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423	84017	340	0.999840	0.999889	25.73	0.0417307
424	84017	350	0.999973	0.999889	-210.73	0.0403013
425	84017	300	0.999900	0.999878	0.43	0.0402227
426	84017	310	0.999758	0.999874	270.46	0.0451171
427	84017	320	0.999650	0.999870	204.06	0.0512906
428	84017	330	0.999518	0.999864	131.99	0.0582905
429	84017	340	0.999381	0.999857	61.99	0.0664494
430	84017	350	0.999250	0.999850	1.07	0.0758248
431	84017	400	0.999125	0.999843	167.07	0.0863324
432	84017	410	0.999000	0.999836	324.81	0.0980203
433	84017	420	0.998880	0.999829	482.81	0.1108010
434	84017	430	0.998760	0.999822	641.29	0.1246744
435	84017	440	0.998640	0.999815	800.29	0.1396427
436	84017	450	0.998520	0.999808	959.81	0.1557052
437	84017	500	0.998400	0.999801	1119.86	0.1728719
438	84017	510	0.998280	0.999794	1280.44	0.1911428
439	84017	520	0.998160	0.999787	1441.67	0.2105179
440	84017	530	0.998040	0.999780	1603.57	0.2309972
441	84017	540	0.997920	0.999773	1766.14	0.2525807
442	84017	550	0.997800	0.999766	1929.39	0.2752692
443	84017	600	0.997680	0.999759	2093.34	0.2990627
444	84017	610	0.997560	0.999752	2257.99	0.3239612
445	84017	620	0.997440	0.999745	2423.34	0.3499647
446	84017	630	0.997320	0.999738	2589.39	0.3770732
447	84017	640	0.997200	0.999731	2756.14	0.4052867
448	84017	650	0.997080	0.999724	2923.59	0.4346052
449	84017	700	0.996960	0.999717	3091.74	0.4650287
450	84017	710	0.996840	0.999710	3260.59	0.4965572
451	84017	720	0.996720	0.999703	3430.14	0.5291907
452	84017	730	0.996600	0.999696	3600.39	0.5629292
453	84017	740	0.996480	0.999689	3771.34	0.5977727
454	84017	750	0.996360	0.999682	3942.99	0.6337212
455	84017	800	0.996240	0.999675	4115.34	0.6707747
456	84017	810	0.996120	0.999668	4288.39	0.7089332
457	84017	820	0.996000	0.999661	4462.14	0.7481967
458	84017	830	0.995880	0.999654	4636.59	0.7885652
459	84017	840	0.995760	0.999647	4811.74	0.8299387
460	84017	850	0.995640	0.999640	4987.59	0.8723172
461	84017	900	0.995520	0.999633	5164.14	0.9157007
462	84017	910	0.995400	0.999626	5341.39	0.9600892
463	84017	920	0.995280	0.999619	5519.34	0.1004827
464	84017	930	0.995160	0.999612	5697.99	0.1418712
465	84017	940	0.995040	0.999605	5877.34	0.1842547
466	84017	950	0.994920	0.999598	6057.39	0.2276332
467	84017	1000	0.994800	0.999591	6238.14	0.2720167
468	84017	1010	0.994680	0.999584	6419.59	0.3174052
469	84017	1020	0.994560	0.999577	6601.74	0.3637887
470	84017	1030	0.994440	0.999570	6784.59	0.4111672
471	84017	1040	0.994320	0.999563	6968.14	0.4595507
472	84017	1050	0.994200	0.999556	7152.39	0.5089392
473	84017	1100	0.994080	0.999549	7337.34	0.5593227
474	84017	1110	0.993960	0.999542	7522.99	0.6107012
475	84017	1120	0.993840	0.999535	7709.34	0.6630747
476	84017	1130	0.993720	0.999528	7896.39	0.7164532
477	84017	1140	0.993600	0.999521	8084.14	0.7708317
478	84017	1150	0.993480	0.999514	8272.59	0.8262102
479	84017	1200	0.993360	0.999507	8461.74	0.8825887
480	84017	1210	0.993240	0.999500	8651.79	0.9399672
481	84017	1220	0.993120	0.999493	8842.54	0.9983457
482	84017	1230	0.993000	0.999486	9034.09	0.0567242
483	84017	1240	0.992880	0.999479	9226.44	0.1161027
484	84017	1250	0.992760	0.999472	9419.59	0.1764812
485	84017	1300	0.992640	0.999465	9613.54	0.2378597
486	84017	1310	0.992520	0.999458	9808.29	0.2992382
487	84017	1320	0.992400	0.999451	10003.84	0.3616167
488	84017	1330	0.992280	0.999444	10200.19	0.4250952
489	84017	1340	0.992160	0.999437	10397.34	0.4895737
490	84017	1350	0.992040	0.999430	10595.29	0.5550522
491	84017	1400	0.991920	0.999423	10793.94	0.6215307
492	84017	1410	0.991800	0.999416	10993.29	0.6890092
493	84017	1420	0.991680	0.999409	11193.34	0.7574877
494	84017	1430	0.991560	0.999402	11394.09	0.8269662
495	84017	1440	0.991440	0.999395	11595.54	0.8974447
496	84017	1450	0.991320	0.999388	11797.69	0.9689232
497	84017	1500	0.991200	0.999381	12000.54	0.0304017
498	84017	1510	0.991080	0.999374	12204.09	0.0928802
499	84017	1520	0.990960	0.999367	12408.24	0.1563587
500	84017	1530	0.990840	0.999360	12612.99	0.2208372

487	8401711330	0.999664	0.999664	-89.46	0.058837
488	8401711340	0.999604	0.999604	-148.36	0.0585652
489	8401711350	0.999600	0.999600	-0.42	0.0584628
490	8401711360	0.999595	0.999595	-60.43	0.0584034
491	8401711370	0.999591	0.999591	-137.34	0.0583409
492	8401711380	0.999587	0.999587	-144.47	0.0581300
493	8401711390	0.999582	0.999582	-261.75	0.0578894
494	8401711400	0.999578	0.999578	-51.03	0.0571171
495	8401711410	0.999574	0.999574	-145.03	0.0569289
496	8401711420	0.999570	0.999570	-145.54	0.0568603
497	8401711430	0.999567	0.999567	111.92	0.0572565
498	8401711440	0.999564	0.999564	42.10	0.0583163
499	8401711450	0.999561	0.999561	0.89	0.0578944
500	8401711460	0.999557	0.999557	-281.86	0.0586059
501	8401711470	0.999554	0.999554	271.71	0.0591570
502	8401711480	0.999551	0.999551	26.68	0.0597005
503	8401711490	0.999547	0.999547	39.47	0.0610735
504	8401711500	0.999544	0.999544	0.77	0.0617971
505	8401711510	0.999541	0.999541	116.54	0.0622195
506	8401711520	0.999537	0.999537	22.27	0.0626755
507	8401711530	0.999534	0.999534	110.58	0.0633385
508	8401711540	0.999531	0.999531	369.06	0.0640470
509	8401711550	0.999527	0.999527	299.22	0.0647334
510	8401711560	0.999524	0.999524	2	0.0617871
511	8401711570	0.999521	0.999521		
512	8401711580	0.999518	0.999518		
513	8401711590	0.999515	0.999515		
514	8401711600	0.999512	0.999512		
515	8401711610	0.999509	0.999509		
516	8401711620	0.999506	0.999506		
517	8401711630	0.999503	0.999503		
518	8401711640	0.999500	0.999500		
519	8401711650	0.999497	0.999497		
520	8401711660	0.999494	0.999494		
521	8401711670	0.999491	0.999491		
522	8401711680	0.999488	0.999488		
523	8401711690	0.999485	0.999485		
524	8401711700	0.999482	0.999482		
525	8401711710	0.999479	0.999479		
526	8401711720	0.999476	0.999476		
527	8401711730	0.999473	0.999473		
528	8401711740	0.999470	0.999470		
529	8401711750	0.999467	0.999467		
530	8401711760	0.999464	0.999464		
531	8401711770	0.999461	0.999461		
532	8401711780	0.999458	0.999458		
533	8401711790	0.999455	0.999455		
534	8401711800	0.999452	0.999452		
535	8401711810	0.999449	0.999449		
536	8401711820	0.999446	0.999446		
537	8401711830	0.999443	0.999443		
538	8401711840	0.999440	0.999440		
539	8401711850	0.999437	0.999437		
540	8401711860	0.999434	0.999434		
541	8401711870	0.999431	0.999431		
542	8401711880	0.999428	0.999428		
543	8401711890	0.999425	0.999425		
544	8401711900	0.999422	0.999422		
545	8401711910	0.999419	0.999419		
546	8401711920	0.999416	0.999416		
547	8401711930	0.999413	0.999413		
548	8401711940	0.999410	0.999410		
549	8401711950	0.999407	0.999407		
550	8401711960	0.999404	0.999404		
551	8401711970	0.999401	0.999401		
552	8401711980	0.999398	0.999398		
553	8401711990	0.999395	0.999395		
554	8401712000	0.999392	0.999392		
555	8401712010	0.999389	0.999389		
556	8401712020	0.999386	0.999386		
557	8401712030	0.999383	0.999383		
558	8401712040	0.999380	0.999380		
559	8401712050	0.999377	0.999377		
560	8401712060	0.999374	0.999374		
561	8401712070	0.999371	0.999371		
562	8401712080	0.999368	0.999368		
563	8401712090	0.999365	0.999365		
564	8401712100	0.999362	0.999362		
565	8401712110	0.999359	0.999359		
566	8401712120	0.999356	0.999356		
567	8401712130	0.999353	0.999353		
568	8401712140	0.999350	0.999350		
569	8401712150	0.999347	0.999347		
570	8401712160	0.999344	0.999344		
571	8401712170	0.999341	0.999341		
572	8401712180	0.999338	0.999338		
573	8401712190	0.999335	0.999335		
574	8401712200	0.999332	0.999332		
575	8401712210	0.999329	0.999329		
576	8401712220	0.999326	0.999326		
577	8401712230	0.999323	0.999323		
578	8401712240	0.999320	0.999320		
579	8401712250	0.999317	0.999317		
580	8401712260	0.999314	0.999314		
581	8401712270	0.999311	0.999311		
582	8401712280	0.999308	0.999308		
583	8401712290	0.999305	0.999305		
584	8401712300	0.999302	0.999302		
585	8401712310	0.999299	0.999299		
586	8401712320	0.999296	0.999296		
587	8401712330	0.999293	0.999293		
588	8401712340	0.999290	0.999290		
589	8401712350	0.999287	0.999287		
590	8401712360	0.999284	0.999284		
591	8401712370	0.999281	0.999281		
592	8401712380	0.999278	0.999278		
593	8401712390	0.999275	0.999275		
594	8401712400	0.999272	0.999272		
595	8401712410	0.999269	0.999269		
596	8401712420	0.999266	0.999266		
597	8401712430	0.999263	0.999263		
598	8401712440	0.999260	0.999260		
599	8401712450	0.999257	0.999257		
600	8401712460	0.999254	0.999254		
601	8401712470	0.999251	0.999251		
602	8401712480	0.999248	0.999248		
603	8401712490	0.999245	0.999245		
604	8401712500	0.999242	0.999242		
605	8401712510	0.999239	0.999239		
606	8401712520	0.999236	0.999236		
607	8401712530	0.999233	0.999233		
608	8401712540	0.999230	0.999230		
609	8401712550	0.999227	0.999227		
610	8401712560	0.999224	0.999224		
611	8401712570	0.999221	0.999221		
612	8401712580	0.999218	0.999218		
613	8401712590	0.999215	0.999215		
614	8401712600	0.999212	0.999212		
615	8401712610	0.999209	0.999209		
616	8401712620	0.999206	0.999206		
617	8401712630	0.999203	0.999203		
618	8401712640	0.999200	0.999200		
619	8401712650	0.999197	0.999197		
620	8401712660	0.999194	0.999194		
621	8401712670	0.999191	0.999191		
622	8401712680	0.999188	0.999188		
623	8401712690	0.999185	0.999185		
624	8401712700	0.999182	0.999182		
625	8401712710	0.999179	0.999179		
626	8401712720	0.999176	0.999176		
627	8401712730	0.999173	0.999173		
628	8401712740	0.999170	0.999170		
629	8401712750	0.999167	0.999167		
630	8401712760	0.999164	0.999164		
631	8401712770	0.999161	0.999161		
632	8401712780	0.999158	0.999158		
633	8401712790	0.999155	0.999155		
634	8401712800	0.999152	0.999152		
635	8401712810	0.999149	0.999149		
636	8401712820	0.999146	0.999146		
637	8401712830	0.999143	0.999143		
638	8401712840	0.999140	0.999140		
639	8401712850	0.999137	0.999137		
640	8401712860	0.999134	0.999134		
641	8401712870	0.999131	0.999131		
642	8401712880	0.999128	0.999128		
643	8401712890	0.999125	0.999125		
644	8401712900	0.999122	0.999122		
645	8401712910	0.999119	0.999119		
646	8401712920	0.999116	0.999116		
647	8401712930	0.999113	0.999113		
648	8401712940	0.999110	0.999110		
649	8401712950	0.999107	0.999107		
650	8401712960	0.999104	0.999104		
651	8401712970	0.999101	0.999101		
652	8401712980	0.999098	0.999098		
653	8401712990	0.999095	0.999095		
654	8401713000	0.999092	0.999092		

REPORT SELECTIONS

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LEAK RATE NORMALIZED AIR WEIGHTS

RDG	TIME	ELAPSED MINUTES	TOTAL CONTAINMENT	LOWER CONTAINMENT BLDG VOLUME	UPPER CONTAINMENT BLDG VOLUME	ICE CONTAINMENT BLDG VOLUME	ICE CONDENSER
365	8401A: 1740	0	0.000000	0.000000	0.000000	0.000000	0.000000
366	8401A: 1750	10	0.001249	0.001826	0.000000	0.000000	0.000000
367	8401A: 1800	20	0.000527	0.001173	0.000000	0.000000	0.000000
368	8401A: 1810	30	0.001291	0.002650	0.001992	0.000000	0.000000
369	8401A: 1820	40	0.001500	0.001526	0.001943	0.000000	0.000000
370	8401A: 1830	50	0.000488	0.001402	0.001964	0.000000	0.000000
371	8401A: 1840	60	0.001053	0.002476	0.001130	0.000000	0.000000
372	8401A: 1850	70	0.000185	0.001185	0.001593	0.000000	0.000000
373	8401A: 1900	80	0.000338	0.002030	0.001443	0.000000	0.000000
374	8401A: 1910	90	0.000889	0.001072	0.001759	0.000000	0.000000
375	8401A: 1920	100	0.0000775	0.001968	0.002796	0.000000	0.000000
376	8401A: 1930	110	0.001173	0.001369	0.002713	0.000000	0.000000
377	8401A: 1940	120	0.000374	0.002057	0.002502	0.000000	0.000000
378	8401A: 1950	130	0.001470	0.001927	0.002646	0.000000	0.000000
379	8401A: 2000	140	0.001391	0.002316	0.002374	0.000000	0.000000
380	8401A: 2010	150	0.001424	0.001028	0.002777	0.000000	0.000000
381	8401A: 2020	160	0.000434	0.001256	0.002974	0.000000	0.000000
382	8401A: 2030	170	0.0002172	0.001630	0.003768	0.000000	0.000000
383	8401A: 2040	180	0.0001872	0.002637	0.001871	0.000000	0.000000
384	8401A: 2050	190	0.000937	0.002024	0.001845	0.000000	0.000000
385	8401A: 2100	200	0.000831	0.002070	0.002007	0.000000	0.000000
386	8401A: 2110	210	0.0009330	0.001756	0.001406	0.000000	0.000000
387	8401A: 2120	220	0.0009330	0.000936	0.000936	0.000000	0.000000
388	8401A: 2130	230	0.0009330	0.000936	0.000936	0.000000	0.000000
389	8401A: 2140	240	0.0009330	0.000936	0.000936	0.000000	0.000000
390	8401A: 2150	250	0.0009330	0.000936	0.000936	0.000000	0.000000
391	8401A: 2200	260	0.0009330	0.000936	0.000936	0.000000	0.000000
392	8401A: 2210	270	0.0009330	0.000936	0.000936	0.000000	0.000000
393	8401A: 2220	280	0.0009330	0.000936	0.000936	0.000000	0.000000
394	8401A: 2230	290	0.0009330	0.000936	0.000936	0.000000	0.000000
395	8401A: 2240	300	0.0009330	0.000936	0.000936	0.000000	0.000000
396	8401A: 2250	310	0.0009330	0.000936	0.000936	0.000000	0.000000
397	8401A: 2300	320	0.0009330	0.000936	0.000936	0.000000	0.000000
398	8401A: 2310	330	0.0009330	0.000936	0.000936	0.000000	0.000000
399	8401A: 2320	340	0.0009330	0.000936	0.000936	0.000000	0.000000
400	8401A: 2330	350	0.0009330	0.000936	0.000936	0.000000	0.000000
401	8401A: 2340	360	0.0009330	0.000936	0.000936	0.000000	0.000000
402	8401A: 2350	370	0.0009330	0.000936	0.000936	0.000000	0.000000
403	8401A: 2400	380	0.0009330	0.000936	0.000936	0.000000	0.000000
404	8401A: 2410	390	0.0009330	0.000936	0.000936	0.000000	0.000000
405	8401A: 2420	400	0.0009330	0.000936	0.000936	0.000000	0.000000
406	8401A: 2430	410	0.0009330	0.000936	0.000936	0.000000	0.000000
407	8401A: 2440	420	0.0009330	0.000936	0.000936	0.000000	0.000000
408	8401A: 2450	430	0.0009330	0.000936	0.000936	0.000000	0.000000
409	8401A: 2500	440	0.0009330	0.000936	0.000936	0.000000	0.000000
410	8401A: 2510	450	0.0009330	0.000936	0.000936	0.000000	0.000000
411	8401A: 2520	460	0.0009330	0.000936	0.000936	0.000000	0.000000
412	8401A: 2530	470	0.0009330	0.000936	0.000936	0.000000	0.000000
413	8401A: 2540	480	0.0009330	0.000936	0.000936	0.000000	0.000000
414	8401A: 2550	490	0.0009330	0.000936	0.000936	0.000000	0.000000
415	8401A: 2600	500	0.0009330	0.000936	0.000936	0.000000	0.000000
416	8401A: 2610	510	0.0009330	0.000936	0.000936	0.000000	0.000000
417	8401A: 2620	520	0.0009330	0.000936	0.000936	0.000000	0.000000
418	8401A: 2630	530	0.0009330	0.000936	0.000936	0.000000	0.000000
419	8401A: 2640	540	0.0009330	0.000936	0.000936	0.000000	0.000000
420	8401A: 2650	550	0.0009330	0.000936	0.000936	0.000000	0.000000
421	8401A: 2700	560	0.0009330	0.000936	0.000936	0.000000	0.000000
422	8401A: 2710	570	0.0009330	0.000936	0.000936	0.000000	0.000000
423	8401A: 2720	580	0.0009330	0.000936	0.000936	0.000000	0.000000
424	8401A: 2730	590	0.0009330	0.000936	0.000936	0.000000	0.000000
425	8401A: 2740	600	0.0009330	0.000936	0.000936	0.000000	0.000000

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425	84017	340	0.999600	1.0000044	0.999746	0.998153
427	84017	330	0.999780	0.9999354	1.0000542	0.9985000
428	84017	340	0.9999181	0.9999933	1.0000325	0.9993721
429	84017	340	0.9998813	0.9998990	0.0002111	0.9993965
430	84017	400	0.9999246	1.0000444	0.0001699	0.9990181
431	84017	410	0.9997501	0.9999237	0.0002779	0.9984417
432	84017	420	0.9999999	0.9999160	1.0000391	0.9983939
433	84017	430	0.9996101	0.9998822	0.9999327	0.9985234
434	84017	440	0.9997419	0.9999641	1.0000176	0.9985355
435	84017	450	0.9996837	0.9998752	0.9999366	0.9985247
436	84017	500	0.9997333	0.9999694	0.0002274	0.9985230
437	84017	510	0.9998204	0.9998576	0.9999374	0.9985210
438	84017	520	0.9999030	0.9998156	1.0000186	0.9985219
439	84017	530	0.9998952	0.9998299	0.9999710	0.9985216
440	84017	540	0.9998377	0.9997999	0.9999973	0.9985199
441	84017	550	0.9998443	0.9998162	0.0001127	1.0000240
442	84017	600	0.9998923	0.9998233	0.0000756	0.9998470
443	84017	610	0.9999324	0.9997906	0.0001206	0.9996263
444	84017	620	0.9999774	0.9998982	0.0000900	0.9998920
445	84017	630	0.9997042	0.9997344	0.9999123	0.9986570
446	84017	640	0.9997624	0.9998728	0.9999123	0.9985949
447	84017	650	0.9997274	0.9997915	0.9999643	0.9987399
448	84017	700	0.9999092	0.9997993	0.9997770	0.9986394
449	84017	710	0.9997952	0.9998525	0.9997255	0.9981329
450	84017	720	0.9997820	0.9998394	0.9999791	0.9987422
451	84017	730	0.9997874	0.9998034	0.9998798	0.9987413
452	84017	740	0.9997874	0.9998034	0.9998798	0.9987413
453	84017	750	0.9997874	0.9998034	0.9998798	0.9987413
454	84017	800	0.9997874	0.9998034	0.9998798	0.9987413
455	84017	810	0.9997874	0.9998034	0.9998798	0.9987413
456	84017	820	0.9997874	0.9998034	0.9998798	0.9987413
457	84017	830	0.9997874	0.9998034	0.9998798	0.9987413
458	84017	840	0.9997874	0.9998034	0.9998798	0.9987413
459	84017	850	0.9997874	0.9998034	0.9998798	0.9987413
460	84017	900	0.9997874	0.9998034	0.9998798	0.9987413
461	84017	910	0.9997874	0.9998034	0.9998798	0.9987413
462	84017	920	0.9997874	0.9998034	0.9998798	0.9987413
463	84017	930	0.9997874	0.9998034	0.9998798	0.9987413
464	84017	940	0.9997874	0.9998034	0.9998798	0.9987413
465	84017	950	0.9997874	0.9998034	0.9998798	0.9987413
466	84017	000	0.9997874	0.9998034	0.9998798	0.9987413
467	84017	010	0.9997874	0.9998034	0.9998798	0.9987413
468	84017	020	0.9997874	0.9998034	0.9998798	0.9987413
469	84017	030	0.9997874	0.9998034	0.9998798	0.9987413
470	84017	040	0.9997874	0.9998034	0.9998798	0.9987413
471	84017	050	0.9997874	0.9998034	0.9998798	0.9987413
472	84017	100	0.9997874	0.9998034	0.9998798	0.9987413
473	84017	110	0.9997874	0.9998034	0.9998798	0.9987413
474	84017	120	0.9997874	0.9998034	0.9998798	0.9987413
475	84017	130	0.9997874	0.9998034	0.9998798	0.9987413
476	84017	140	0.9997874	0.9998034	0.9998798	0.9987413
477	84017	150	0.9997874	0.9998034	0.9998798	0.9987413
478	84017	200	0.9997874	0.9998034	0.9998798	0.9987413
479	84017	210	0.9997874	0.9998034	0.9998798	0.9987413
480	84017	220	0.9997874	0.9998034	0.9998798	0.9987413
481	84017	230	0.9997874	0.9998034	0.9998798	0.9987413
482	84017	240	0.9997874	0.9998034	0.9998798	0.9987413
483	84017	250	0.9997874	0.9998034	0.9998798	0.9987413
484	84017	300	0.9997874	0.9998034	0.9998798	0.9987413
485	84017	310	0.9997874	0.9998034	0.9998798	0.9987413
486	84017	320	0.9997874	0.9998034	0.9998798	0.9987413
487	84017	330	0.9997874	0.9998034	0.9998798	0.9987413
488	84017	340	0.9997874	0.9998034	0.9998798	0.9987413
489	84017	350	0.9997874	0.9998034	0.9998798	0.9987413
490	84017	400	0.9997874	0.9998034	0.9998798	0.9987413









492	72.552	0.797	22.5170	67.492	0.040	22.280	0.0193	22.2240
493	72.552	0.797	22.5170	67.476	0.037	22.280	0.0192	22.2240
494	72.603	0.800	22.2200	67.488	0.041	22.270	0.0191	22.2240
495	72.565	0.797	22.2150	67.478	0.041	22.280	0.0191	22.2240
496	72.599	0.798	22.2180	67.464	0.039	22.280	0.0190	22.2240
497	72.549	0.798	22.2180	67.474	0.042	22.280	0.0189	22.2240
498	72.604	0.798	22.2180	67.489	0.041	22.280	0.0189	22.2240
499	72.550	0.795	22.2180	67.483	0.039	22.280	0.0191	22.2240
500	72.602	0.799	22.2170	67.483	0.039	22.280	0.0191	22.2240
501	72.551	0.799	22.2170	67.483	0.039	22.280	0.0191	22.2240
502	72.604	0.797	22.2170	67.484	0.039	22.280	0.0192	22.2240
503	72.546	0.797	22.2180	67.484	0.039	22.280	0.0192	22.2240
504	72.584	0.798	22.2180	67.499	0.061	22.280	0.0193	22.2240
505	72.549	0.798	22.2180	67.486	0.061	22.280	0.0194	22.2240
506	72.575	0.798	22.2180	67.483	0.060	22.280	0.0193	22.2240
507	72.550	0.798	22.2170	67.474	0.057	22.280	0.0191	22.2240
508	72.592	0.804	22.2170	67.476	0.057	22.280	0.0190	22.2240
509	72.541	0.800	22.2180	67.476	0.057	22.280	0.0190	22.2240
510	72.530	0.800	22.2180	67.476	0.057	22.280	0.0190	22.2240
511	72.571	0.798	22.2150	67.449	0.054	22.280	0.0189	22.2240
512	72.571	0.798	22.2150	67.449	0.054	22.280	0.0189	22.2240
513	REPORT SELECTIONS:							
514	1) MASS FLOT ANALYSIS							
515	2) LEAK RATE ANALYSIS							
516	3) NORMALIZED AIR WEIGHTS							
517	4) TEMP-VAP-PRESS							
518	5) INSTRUMENT HISTORIES: TREND TEST COMPARE TEST							
519	6) INITIALIZATION DATA							
520	7) READINGS: RAW AND CALIBRATED							
521	8) DATA VERIFICATION TREND TEST, COMPARE TEST							
522	9) CALCULATED AIR WEIGHTS							
523	(503)ENTER SELECTION OR ZERO							

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## LEAK RATE CALCULATED AIR WEIGHTS

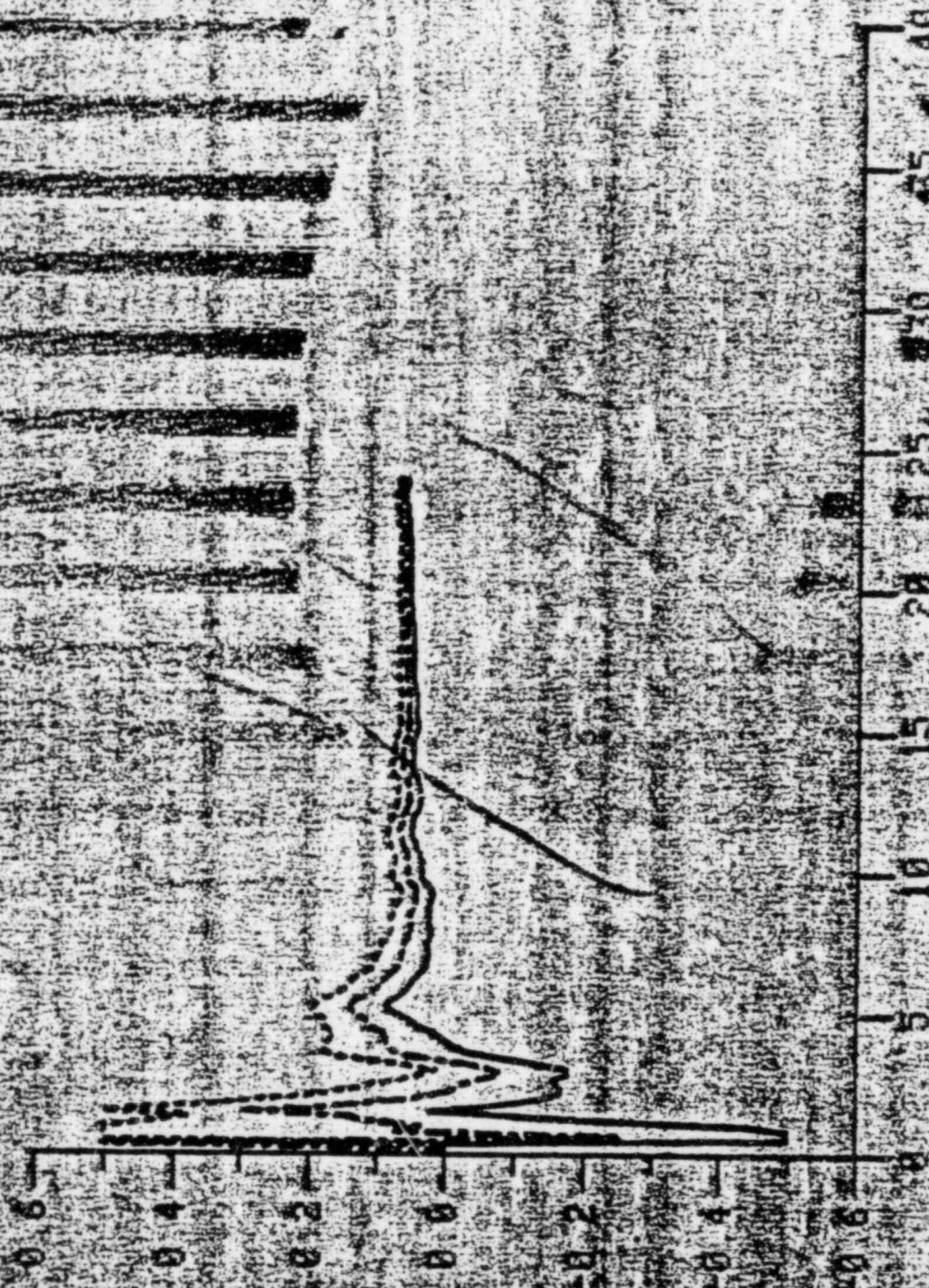
RDG	TIME	ELAPSED MINUTES	TOTAL CONTAINMENT	LOWER-CONTAINMENT 2618% BLDG VOLUME	UPPER-CONTAINMENT 5817% BLDG VOLUME	ICE-CONDENSER 1415% BLDG VOLUME
368	84016:1740	0	0.0424365	0.0414239	0.0419694	0.0462003
369	84016:1750	10	0.0424418	0.0414315	0.0419745	0.0462023
370	84016:1800	20	0.0424387	0.0414288	0.0419709	0.0462008
371	84016:1810	30	0.0424417	0.0414348	0.0419740	0.0461977
372	84016:1820	40	0.0424433	0.0414302	0.0419818	0.0461854
373	84016:1830	50	0.0424385	0.0414297	0.0419777	0.0461699
374	84016:1840	60	0.0424410	0.0414342	0.0419784	0.0461760
375	84016:1850	70	0.0424386	0.0414288	0.0419765	0.0461767
376	84016:1900	80	0.0424380	0.0414323	0.0419797	0.0461535
377	84016:1910	90	0.0424318	0.0414284	0.0419768	0.0461299
378	84016:1920	100	0.0424328	0.0414321	0.0419812	0.0461604
379	84016:1930	110	0.0424415	0.0414296	0.0419808	0.0461781
380	84016:1940	120	0.0424423	0.0414324	0.0419799	0.0461823
381	84016:1950	130	0.0424427	0.0414319	0.0419805	0.0461836
382	84016:2000	140	0.0424424	0.0414335	0.0419794	0.0461829
383	84016:2010	150	0.0424419	0.0414282	0.0419798	0.0461833
384	84016:2020	160	0.0424428	0.0414320	0.0419819	0.0461840
385	84016:2030	170	0.0424457	0.0414336	0.0419840	0.0461868
386	84016:2040	180	0.0424444	0.0414307	0.0419852	0.0461785
387	84016:2050	190	0.0424397	0.0414349	0.0419730	0.0461609
388	84016:2100	200	0.0424321	0.0414325	0.0419763	0.0461263
389	84016:2110	210	0.0424293	0.0414325	0.0419778	0.0461009
390	84016:2120	220	0.0424337	0.0414312	0.0419753	0.0461433
391	84016:2130	230	0.0424332	0.0414320	0.0419709	0.0461370
392	84016:2140	240	0.0424351	0.0414370	0.0419733	0.0461742
393	84016:2150	250	0.0424354	0.0414300	0.0419706	0.0461770
394	84016:2200	260	0.0424344	0.0414255	0.0419771	0.0461513
395	84016:2210	270	0.0424324	0.0414297	0.0419717	0.0461318
396	84016:2220	280	0.0424324	0.0414282	0.0419764	0.0461355
397	84016:2230	290	0.0424313	0.0414253	0.0419782	0.0461263
398	84016:2240	300	0.0424259	0.0414271	0.0419732	0.0461059
399	84016:2250	310	0.0424260	0.0414271	0.0419781	0.0461067
400	84016:2300	320	0.0424316	0.0414303	0.0419793	0.0461145
401	84016:2310	330	0.0424369	0.0414260	0.0419766	0.0461701
402	84016:2320	340	0.0424365	0.0414236	0.0419742	0.0461817
403	84016:2330	350	0.0424376	0.0414239	0.0419740	0.0461907
404	84016:2340	360	0.0424364	0.0414198	0.0419719	0.0461266
405	84016:2350	370	0.0424366	0.0414221	0.0419712	0.0461969
406	84017: 0	380	0.0424382	0.0414257	0.0419726	0.0461958
407	84017: 10	390	0.0424331	0.0414232	0.0419747	0.0461702
408	84017: 20	400	0.0424385	0.0414250	0.0419764	0.0461828
409	84017: 30	410	0.0424343	0.0414250	0.0419766	0.0461541
410	84017: 40	420	0.0424357	0.0414263	0.0419742	0.0461710
411	84017: 50	430	0.0424351	0.0414223	0.0419732	0.0461706
412	84017: 100	440	0.0424351	0.0414274	0.0419783	0.0461561
413	84017: 110	450	0.0424328	0.0414229	0.0419805	0.0461320
414	84017: 120	460	0.0424392	0.0414256	0.0419818	0.0461587
415	84017: 130	470	0.0424382	0.0414242	0.0419756	0.0461782
416	84017: 140	480	0.0424355	0.0414291	0.0419712	0.0461787
417	84017: 150	490	0.0424330	0.0414211	0.0419698	0.0461801
418	84017: 200	500	0.0424322	0.0414256	0.0419665	0.0461796
419	84017: 210	510	0.0424342	0.0414220	0.0419711	0.0461816
420	84017: 220	520	0.0424356	0.0414261	0.0419710	0.0461837
421	84017: 230	530	0.0424344	0.0414228	0.0419701	0.0461847
422	84017: 240	540	0.0424382	0.0414286	0.0419725	0.0461907
423	84017: 250	550	0.0424358	0.0414258	0.0419691	0.0461902
424	84017: 300	560	0.0424323	0.0414260	0.0419687	0.0461694
425	84017: 310	570	0.0424282	0.0414210	0.0419715	0.0461264

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491	84017: 1410	230	0.0424217	0.0414093	0.0419640	0.0461470
492	84017: 1420	240	0.0424216	0.0414026	0.0419650	0.0461546
493	84017: 1430	250	0.0424240	0.0414119	0.0419643	0.0461570
494	84017: 1440	260	0.0424232	0.0414073	0.0419663	0.0461577
495	84017: 1500	280	0.0424211	0.0414070	0.0419678	0.0461597
496	84017: 1510	290	0.0424200	0.0414046	0.0419650	0.0461479
497	84017: 1520	300	0.0424189	0.0414065	0.0419650	0.0461099
498	84017: 1530	310	0.0424201	0.0414039	0.0419597	0.0460943
499	84017: 1540	320	0.0424243	0.0414105	0.0419704	0.0461221
500	84017: 1550	330	0.0424212	0.0414036	0.0419658	0.0460962
501	84017: 1600	350	0.0424217	0.0414059	0.0419599	0.0461197
502	84017: 1610	360	0.0424177	0.0414021	0.0419586	0.0461191
503	84017: 1620	370	0.0424110	0.0414057	0.0419599	0.0460975
504	84017: 1630	380	0.0424099	0.0414052	0.0419611	0.0460997
505	84017: 1640	390	0.0424119	0.0414082	0.0419611	0.0460929
506	84017: 1650	400	0.0424113	0.0414027	0.0419605	0.0461014
507	84017: 1700	410	0.0424177	0.0414033	0.0419597	0.0461419
508	84017: 1710	420	0.0424177	0.0414025	0.0419587	0.0461526
509	84017: 1720	430	0.0424204	0.0414054	0.0419604	0.0461599
510	84017: 1730	440	0.0424208	0.0414008	0.0419615	0.0461663

DUKE POWER COMPANY - WATKINS  
MASS PLOT ANALYSIS (MIN, OBS, MAX)



84016 1740 THRU 84017 1740  
MIN - SOLID LINE  
MAX - DASH LINE  
OBS - DOT/DASH LINE

DUKE POWER COMPANY, CATANBA,  
NORMALIZED AIR MASS

1.0004

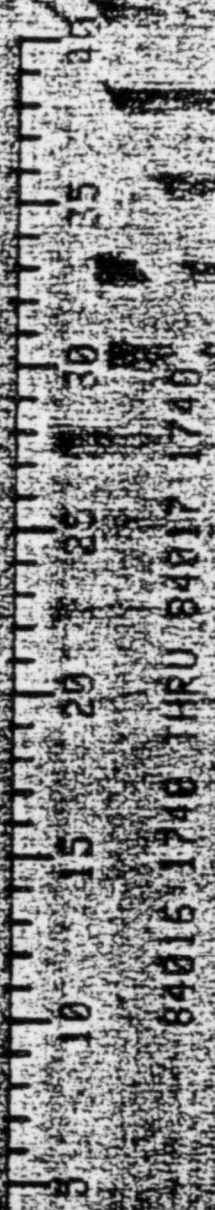
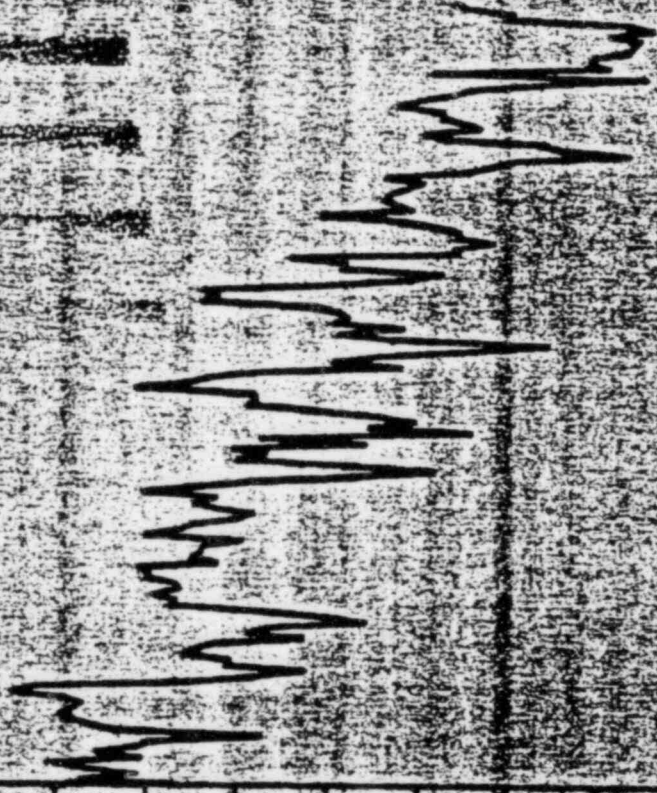
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0.9999

0.9997

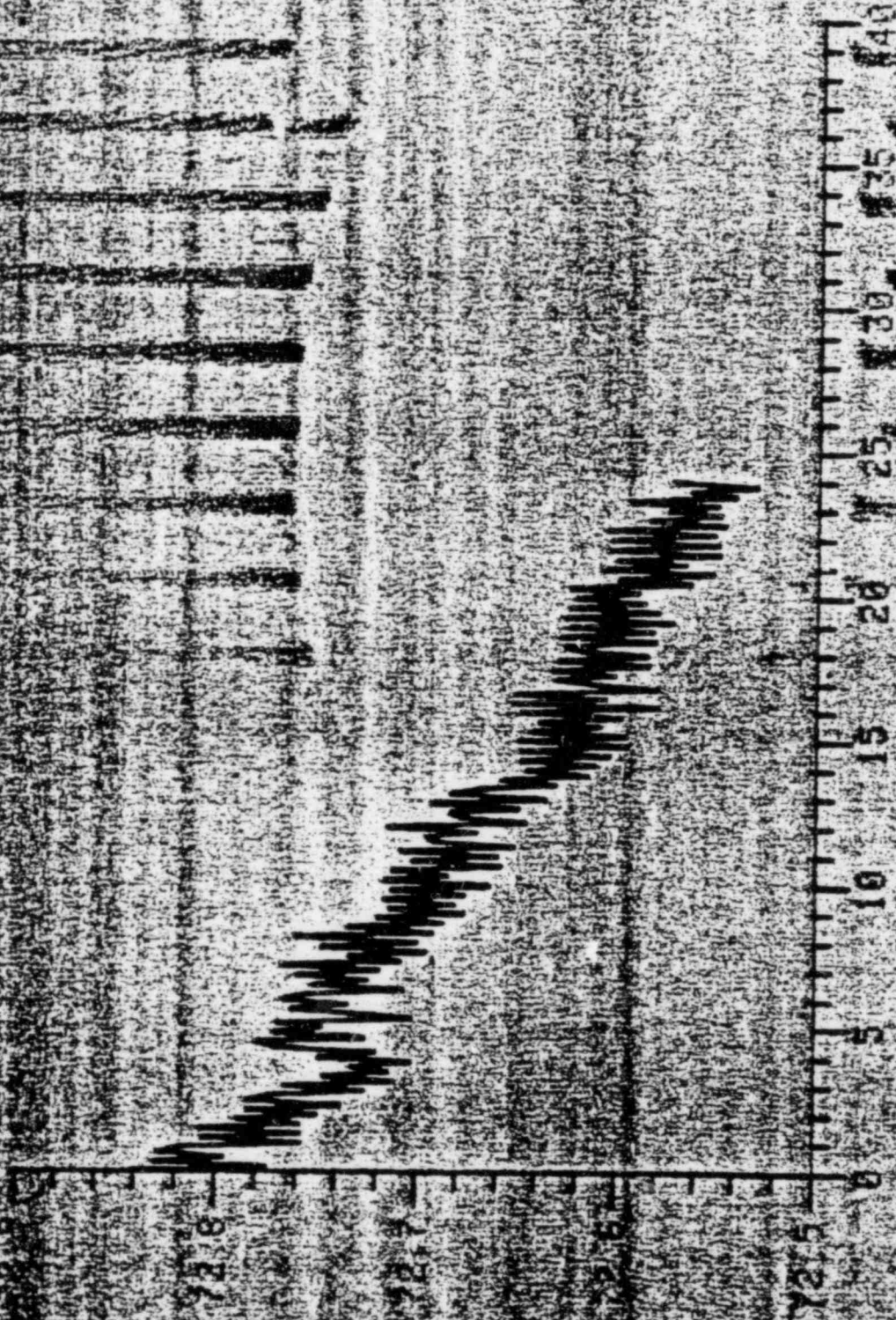
0.9994

0.9992



84016 1740 THRU 84017 1740

DUKE POWER COMPANY, CATAWBA  
LOWER CONTAINMENT TEMPERATURE



84016 1740 THRU 84017 1740

DUKE POWER COMPANY, W. CA. TRAWLS  
LOWER CONTAINMENT VAPOR PRESSURE

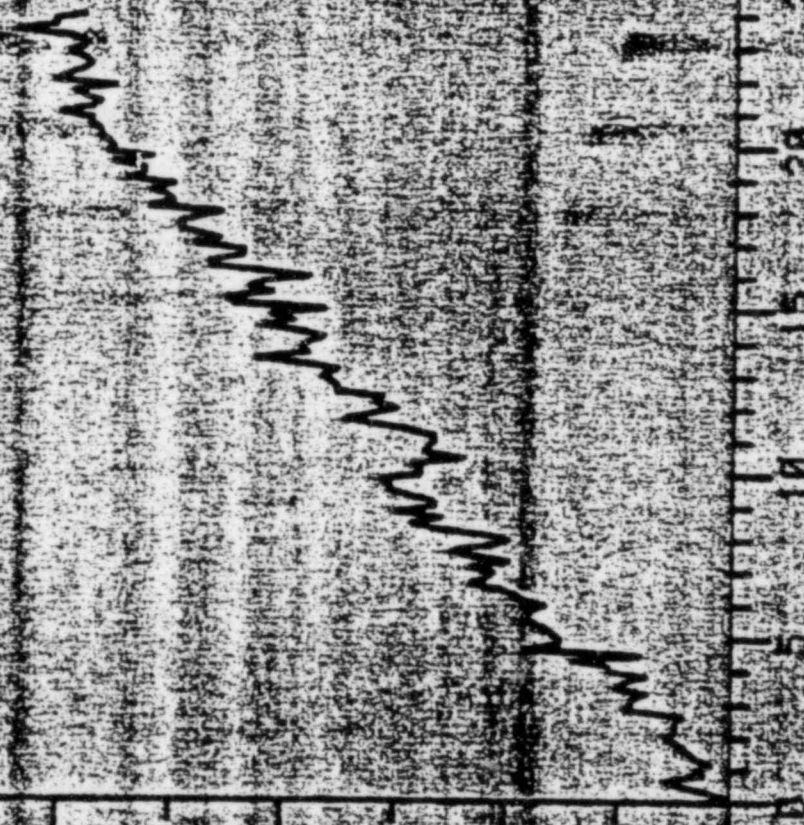
0.182

0.180

0.178

0.176

0.174



84015-1740 THRU 84017-1740



DUKE POWER COMPANY, CATAMBA  
LOWER CONTAINMENT PRESSURE

22 240

22 235

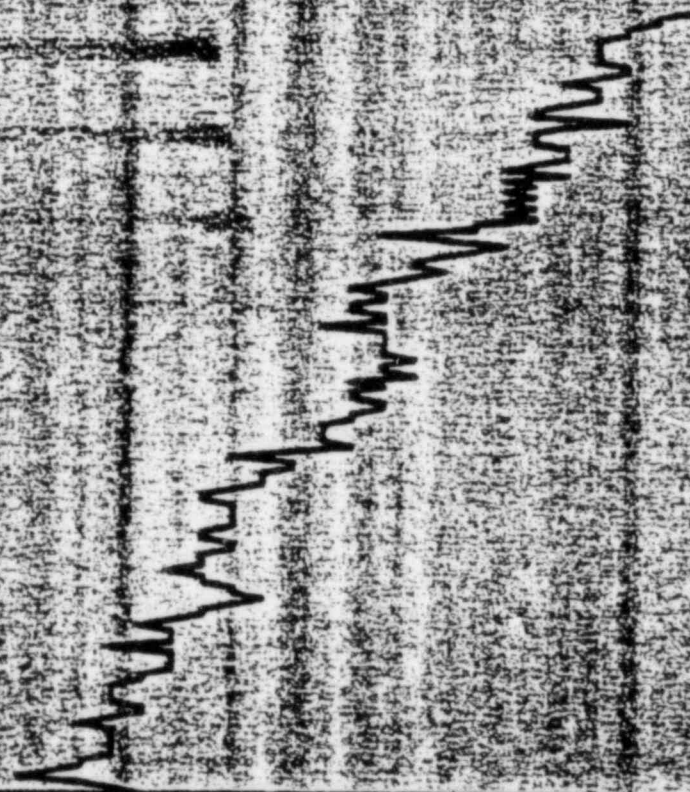
22 230

22 225

22 220

22 215

22 210



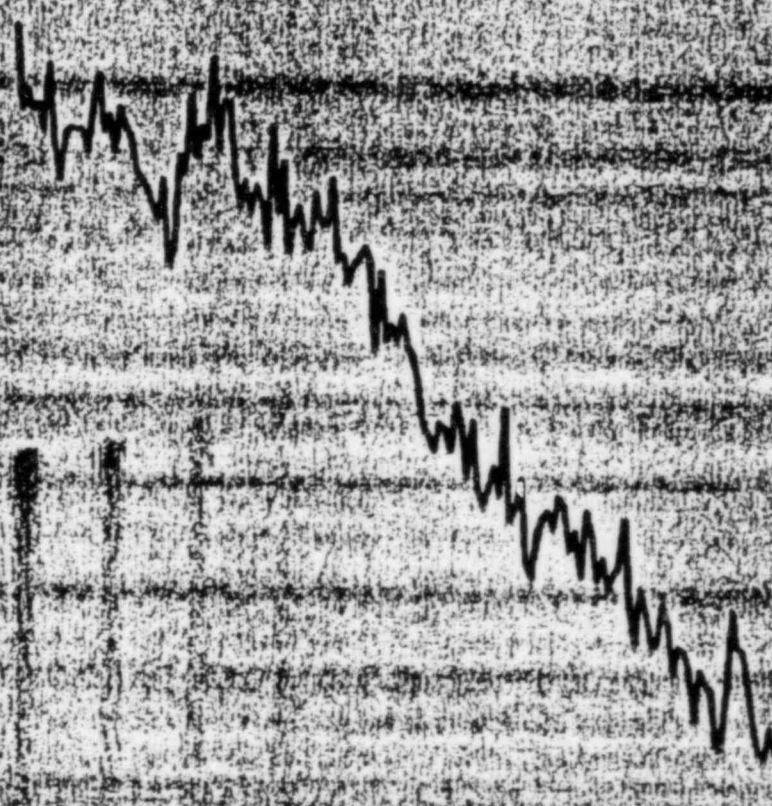
84016X1740 THRU 840171730

11/6

84016174B THRU 84017174B

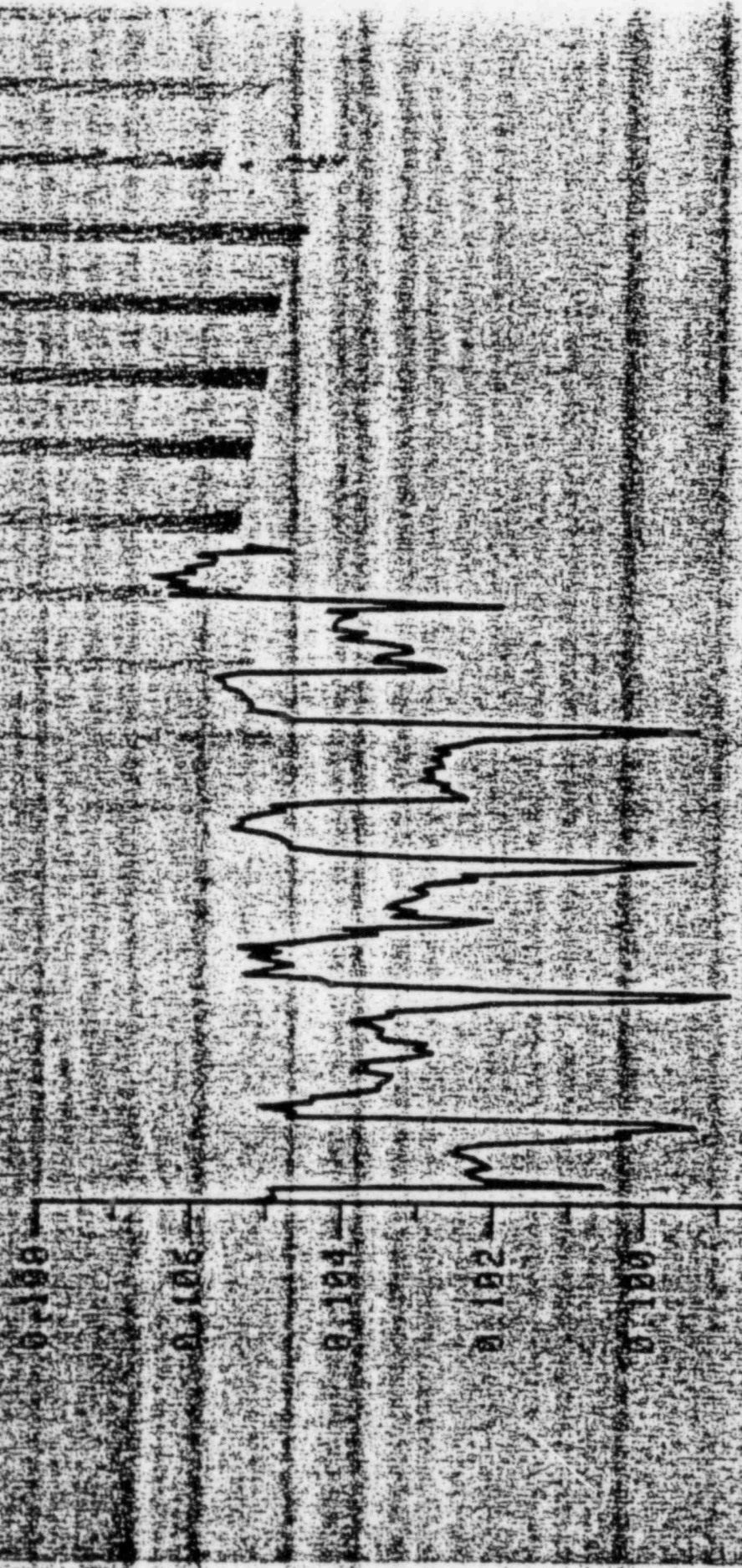
0 5 10 15 20 25 30 35 40

67.40  
67.45  
67.50  
67.55  
67.60  
67.65  
67.70



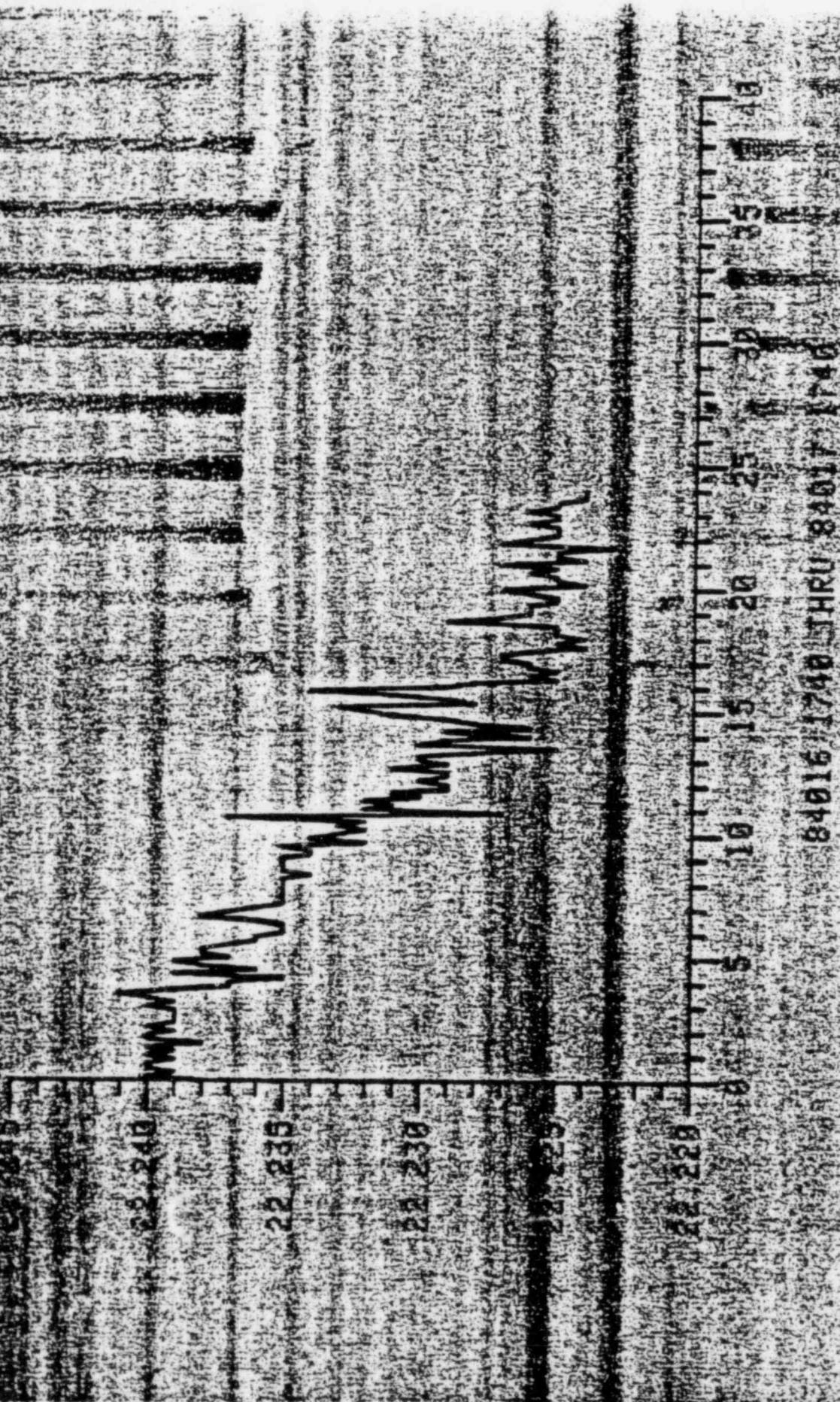
DUKE POWER COMPANY, CATAWBA I  
UPPER CONTAINMENT TEMPERATURE

DUKE POWER COMPANY CATAWBA  
UPPER CONTAINMENT VAPOR PRESSURE

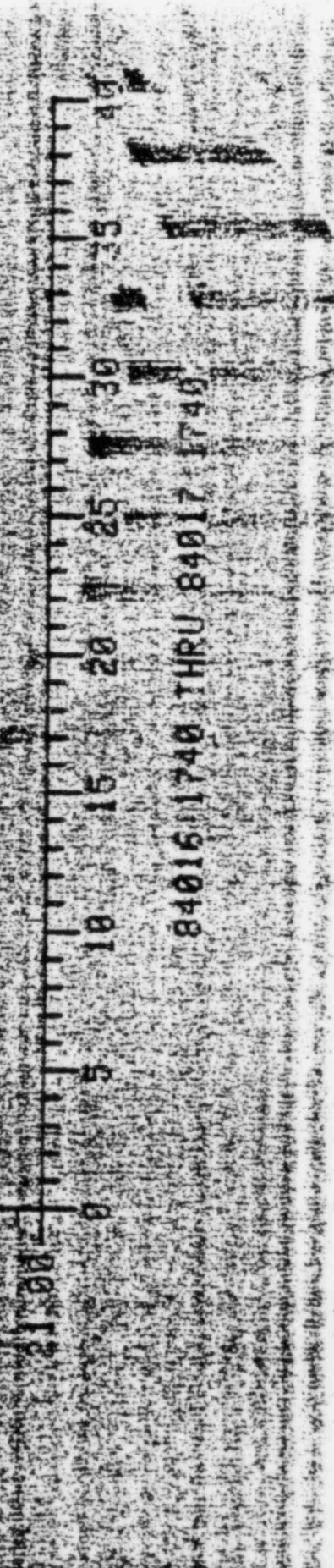
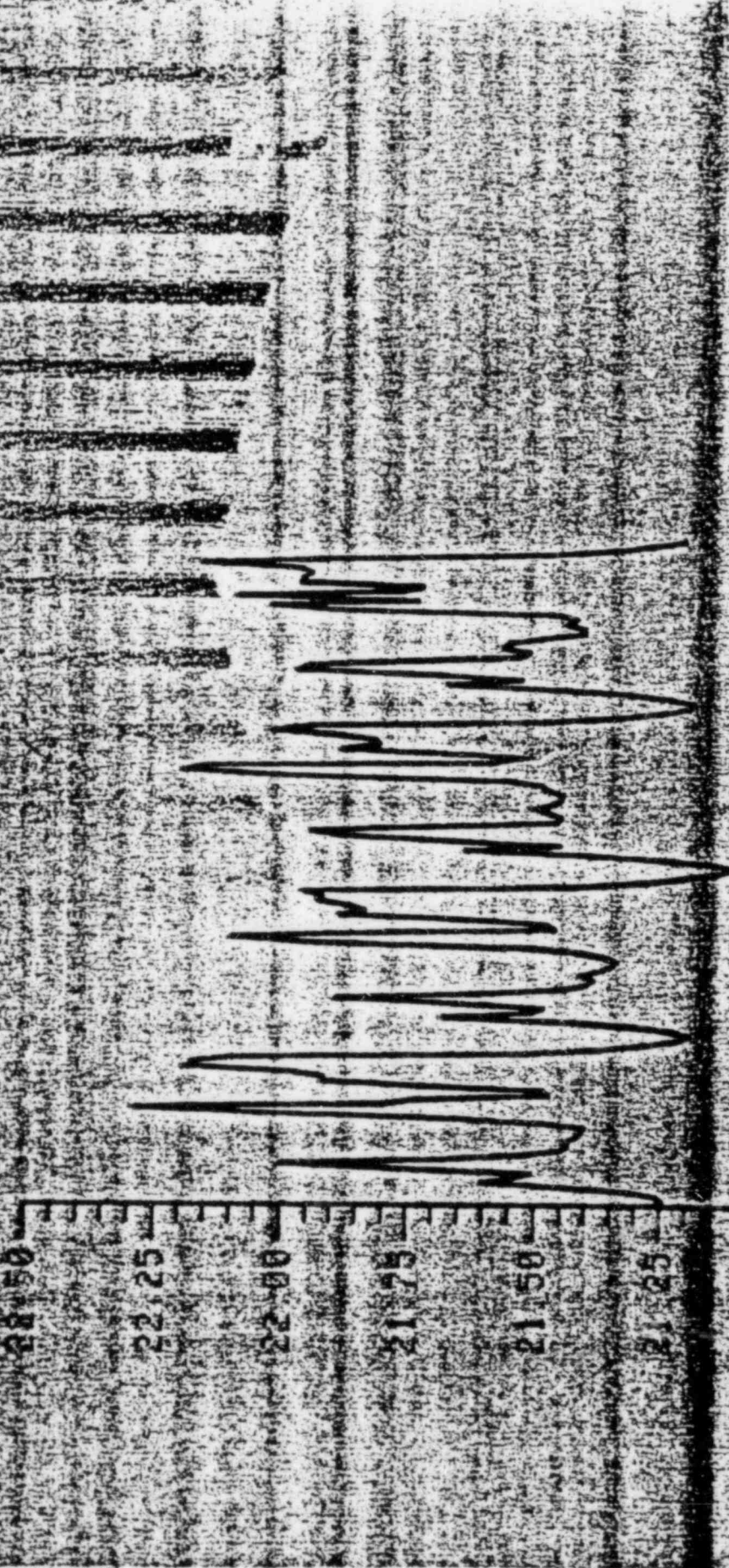


840161740 THRU 84017148

DUKE POWER COMPANY  
CATAMBA  
UPPER CONTAINMENT PRESSURE



DUKE POWER COMPANY'S CATAWA  
ICE CONDENSER TEMPERATURE



84016 1740 THRU 84017 1740

DUKE POWER COMPANY  
ICE CONDENSER VAPOR PRESSURE

X10<sup>-1</sup>

0.196

0.194

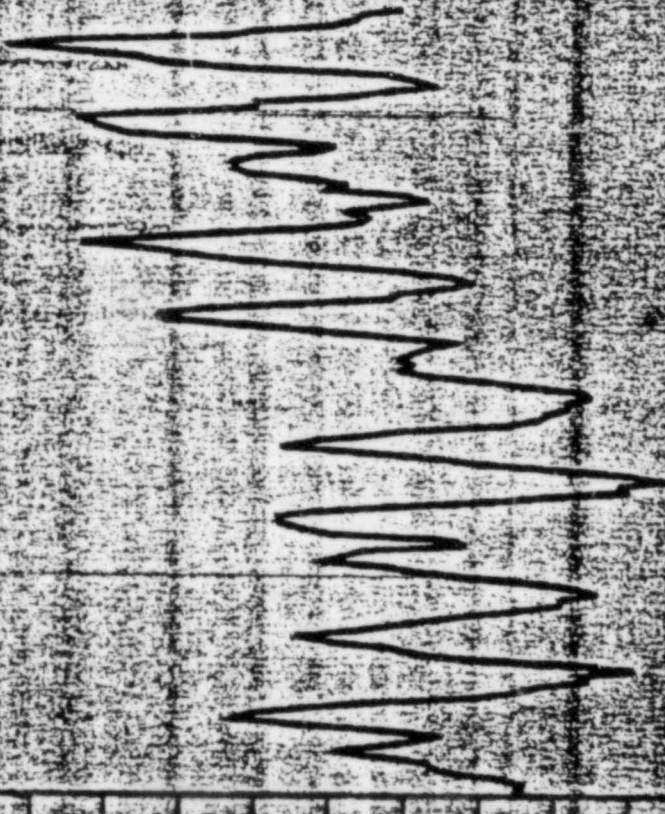
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0.190

0.188

0.186

0.184



10

135

30

25

20

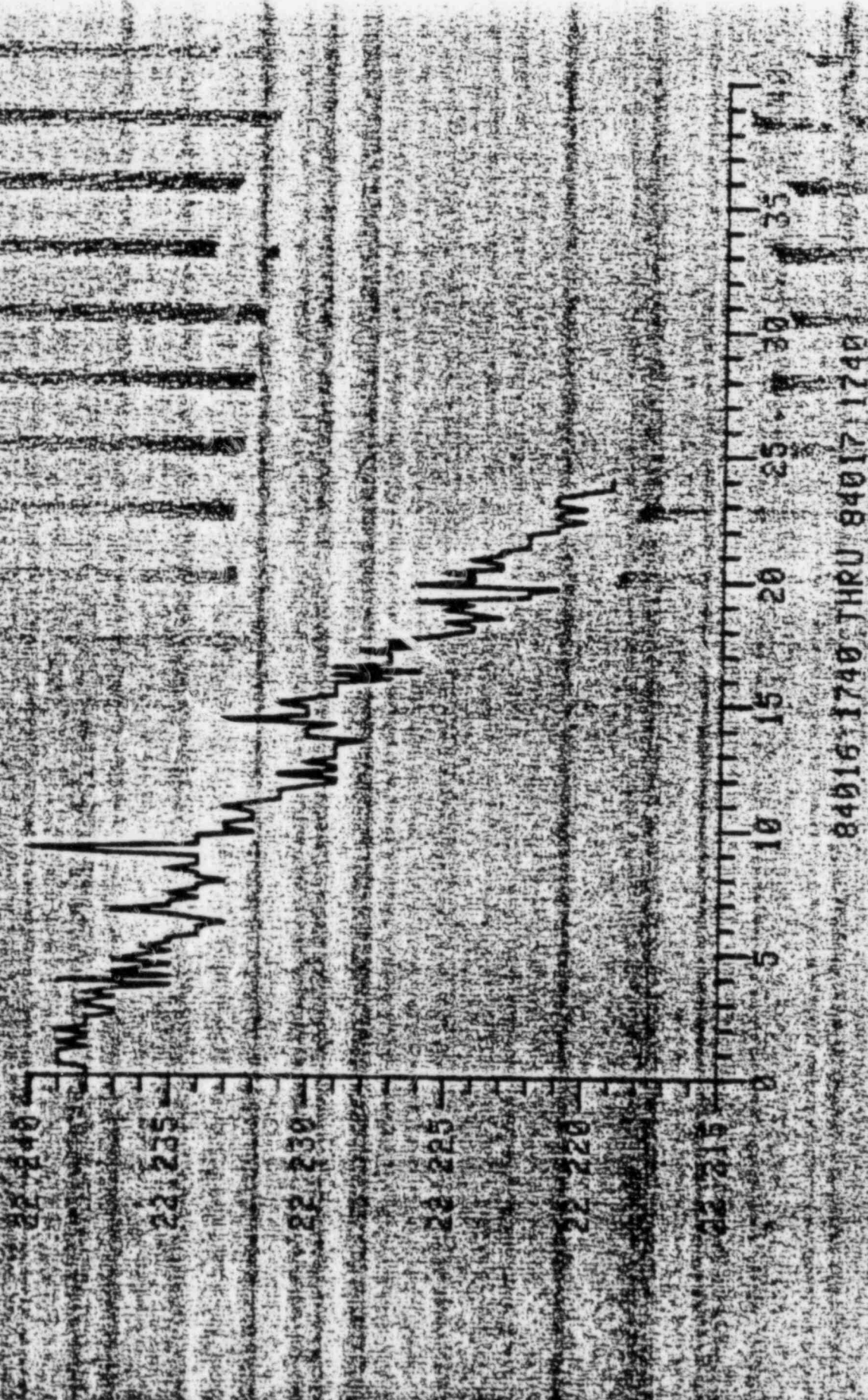
15

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84016 1740 THRU 84017 1740

DUKE POWER COMPANY CATAMBA  
ICE CONDENSER PRESSURE



84016-1740 THRU 84017-1740

REDUCED PRESSURE VERIFICATION TEST RESULTS



RESULTS OF CONTAINMENT MASS FLOT ANALYSIS (%/DAY)

ADD	TIME	MINIMUM	OBSERVED	MAXIMUM	
NO	DAY:HR	LEAK RATE	LEAK RATE	LEAK RATE	
1	84017:1810	0.0000000	0.0000000	0.0000000	
2	84017:1820	0.0000000	0.0000000	0.0000000	
3	84017:1830	0.0000000	0.0465202	0.0000000	
4	84017:1840	0.0451015	0.0967355	0.5103290	
5	84017:1900	0.7010055	0.4636152	0.7573770	
6	84017:1910	0.0129115	0.7105308	1.4081701	
7	84017:1920	0.333303	0.7346338	1.1336054	
8	84017:1930	0.0647477	0.5019179	0.79997634	
9	84017:1940	0.152270	0.2681174	0.7185266	
10	84017:1950	0.2977812	0.1057391	0.5092394	
11	84017:2000	0.3363217	0.0045295	0.3461207	
12	84017:2010	0.3034504	0.0259556	0.1504569	
13	84017:2020	0.2521194	0.0276275	0.192144	
14	84017:2030	0.1806378	0.0022237	0.1922237	
15	84017:2040	0.141687	0.0020811	0.1826300	
16	84017:2050	0.165775	0.011772	0.212309	
17	84017:2100	0.1142236	0.0119810	0.1542455	
18	84017:2110	0.025780	0.0710842	0.2047464	
19	84017:2120	0.0038180	0.144837	0.2934930	
20	84017:2130	0.0311722	0.090176	0.1003281	
21	84017:2140	0.0317840	0.070367	0.1511293	
22	84017:2150	0.0876919	0.083307	0.2050794	
23	84017:2200	0.02731	0.082677	0.2902434	
24	84017:2210	0.102324	0.245394	0.5997197	
25	84017:2220	0.1199132	0.192339	0.2793136	
26	84017:2230	0.1146366	0.068446	0.2736934	
27	84017:2240	0.1408588	0.170327	0.31229287	
28	84017:2300	0.085560	0.101827	0.2661101	
29	84017:2310	0.133974	0.209330	0.2563469	
30	84017:2320	0.091687	0.192731	0.2663469	
31	84017:2330	0.346680	0.23797	0.412763	
32	84017:2340	0.1303771	0.786991	0.322142	
33	84017:2350	0.219209	0.687767	0.2269952	
34	84018:0	0.164182	0.292799	0.2156334	
35	84018:10	0.0590358	0.191671	0.1947671	
36	84018:20	0.0990358	0.412542	0.184823	
37	84018:30	0.1002137	0.405520	0.1814304	
38	REPORT SELECTIONS:				

LEAK RATE ANALYSIS

0.1409%/DAY LEAKAGE OBSERVED AFTER 553 READINGS

LEAK RATE "BANDWIDTH": MIN IS 0.0000, MAX IS 0.0750

RDG	TIME	NORM WGT	EXP WGT	DEV/LEAK	OBS LEAK RATE	LEAK RATE
515	84017:1910	1.000000	0.999923	-78.55	0.0000000	LIMIT VIOLATION
516	84017:1820	0.999943	0.999913	-32.56	0.0000000	
517	84017:1830	0.999942	0.999904	-39.49	0.0465202	
518	84017:1840	0.999931	0.999894	-37.77	0.0367335	
519	84017:1850	0.999834	0.999834	50.94	0.4286356	
520	84017:1900	0.999753	0.999874	124.17	0.7105408	
521	84017:1910	0.999726	0.999864	141.68	0.7334698	
522	84017:1920	0.999830	0.999830	29.88	0.5016190	
523	84017:1930	0.999910	0.999845	-66.30	0.2681514	
524	84017:1940	0.999947	0.999835	-114.13	0.1057291	
525	84017:1950	0.999963	0.999825	-140.52	0.0045925	
526	84017:2000	0.999925	0.999818	-111.88	0.0239958	
527	84017:2010	0.999898	0.999806	-94.21	0.0276525	
528	84017:2020	0.999835	0.999796	-39.67	0.0022929	
529	84017:2030	0.999881	0.999786	-96.65	0.0020811	
530	84017:2040	0.999945	0.999778	-112.41	0.0211732	
531	84017:2050	0.999768	0.999767	-1.77	0.0198110	
532	84017:2100	0.999685	0.999757	73.49	0.0710842	
533	84017:2110	0.999531	0.999747	221.88	0.1448377	
534	84017:2120	0.999659	0.999737	121.38	0.1880176	
535	84017:2130	0.999617	0.999728	113.40	0.1878969	
536	84017:2140	0.999661	0.999718	58.38	0.1934307	
537	84017:2150	0.999698	0.999708	10.66	0.1889677	
538	84017:2200	0.999541	0.999698	157.78	0.1924562	
539	84017:2210	0.999629	0.999688	61.00	0.1545334	
540	84017:2220	0.999620	0.999679	60.27	0.1962533	
541	84017:2230	0.999691	0.999669	-22.79	0.1868246	
542	84017:2240	0.999577	0.999657	89.90	0.1909570	
543	84017:2250	0.999492	0.999647	161.06	0.2018624	
544	84017:2300	0.999493	0.999640	149.78	0.2091530	
545	84017:2310	0.999642	0.999630	-12.74	0.1998731	
546	84017:2320	0.999615	0.999620	5.14	0.1934535	
547	84017:2330	0.999635	0.999610	-25.05	0.1854401	
548	84017:2340	0.999623	0.999600	-23.32	0.1786661	
549	84017:2350	0.999670	0.999591	-80.74	0.1687767	
550	84018: 0	0.999687	0.999588	-108.21	0.084713	
551	84018: 10	0.999664	0.999571	-93.43	0.1505597	
552	84018: 20	0.999685	0.999561	-128.50	0.1419542	
553	84018: 30	0.999569	0.999551	-17.43	0.1408520	

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LEAK RATE NORMALIZED AIR WEIGHTS

RDG	TIME	ELAPSED MINUTES	TOTAL CONTAINMENT	LOWER CONTAINMENT	UPPER CONTAINMENT	ICE CONDENSER
			BLDG VOLUME	BLDG VOLUME	BLDG VOLUME	BLDG VOLUME
11	84017:1810	0	1.0000000	1.0000000	1.0000000	1.0000000
12	84017:1820	10	0.9999453	0.9999453	0.9999453	0.9999453
13	84017:1830	20	0.9998906	0.9998906	0.9998906	0.9998906
14	84017:1840	30	0.9998359	0.9998359	0.9998359	0.9998359
15	84017:1850	40	0.9997812	0.9997812	0.9997812	0.9997812
16	84017:1900	50	0.9997265	0.9997265	0.9997265	0.9997265
17	84017:1910	60	0.9996718	0.9996718	0.9996718	0.9996718
18	84017:1920	70	0.9996171	0.9996171	0.9996171	0.9996171
19	84017:1930	80	0.9995624	0.9995624	0.9995624	0.9995624
20	84017:1940	90	0.9995077	0.9995077	0.9995077	0.9995077
21	84017:1950	100	0.9994530	0.9994530	0.9994530	0.9994530
22	84017:2000	110	0.9993983	0.9993983	0.9993983	0.9993983
23	84017:2010	120	0.9993436	0.9993436	0.9993436	0.9993436
24	84017:2020	130	0.9992889	0.9992889	0.9992889	0.9992889
25	84017:2030	140	0.9992342	0.9992342	0.9992342	0.9992342
26	84017:2040	150	0.9991795	0.9991795	0.9991795	0.9991795
27	84017:2050	160	0.9991248	0.9991248	0.9991248	0.9991248
28	84017:2100	170	0.9990701	0.9990701	0.9990701	0.9990701
29	84017:2110	180	0.9990154	0.9990154	0.9990154	0.9990154
30	84017:2120	190	0.9989607	0.9989607	0.9989607	0.9989607
31	84017:2130	200	0.9989060	0.9989060	0.9989060	0.9989060
32	84017:2140	210	0.9988513	0.9988513	0.9988513	0.9988513
33	84017:2150	220	0.9987966	0.9987966	0.9987966	0.9987966
34	84017:2200	230	0.9987419	0.9987419	0.9987419	0.9987419
35	84017:2210	240	0.9986872	0.9986872	0.9986872	0.9986872
36	84017:2220	250	0.9986325	0.9986325	0.9986325	0.9986325
37	84017:2230	260	0.9985778	0.9985778	0.9985778	0.9985778
38	84017:2240	270	0.9985231	0.9985231	0.9985231	0.9985231
39	84017:2250	280	0.9984684	0.9984684	0.9984684	0.9984684
40	84017:2300	290	0.9984137	0.9984137	0.9984137	0.9984137
41	84017:2310	300	0.9983590	0.9983590	0.9983590	0.9983590
42	84017:2320	310	0.9983043	0.9983043	0.9983043	0.9983043
43	84017:2330	320	0.9982496	0.9982496	0.9982496	0.9982496
44	84017:2340	330	0.9981949	0.9981949	0.9981949	0.9981949
45	84017:2350	340	0.9981402	0.9981402	0.9981402	0.9981402
46	84018: 10	350	0.9980855	0.9980855	0.9980855	0.9980855
47	84018: 10	360	0.9980308	0.9980308	0.9980308	0.9980308
48	84018: 20	370	0.9979761	0.9979761	0.9979761	0.9979761
49	84018: 30	380	0.9979214	0.9979214	0.9979214	0.9979214
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WEIGHTED CONFATMENT AVERAGES BY READING

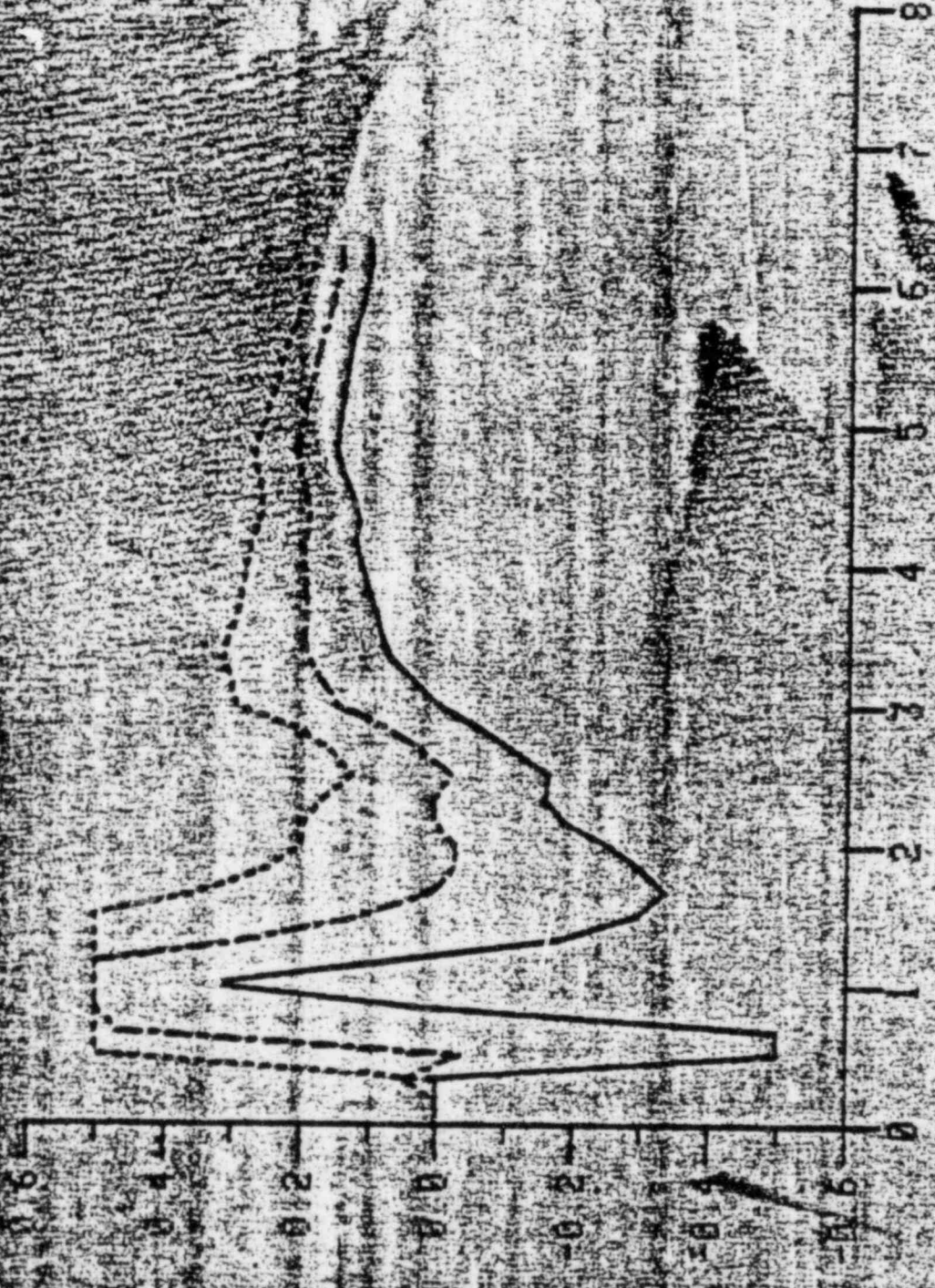
RDG	LOMER-CONTAINMENT AVG TEMP	LOMER-CONTAINMENT VAP	F51A	AVG F51A	UPPER-CONTAINMENT AVG TEMP	UPPER-CONTAINMENT VAP	F51A	AVG F51A	ICE-CONDENSER AVG TEMP	ICE-CONDENSER VAP	F51A	AVG F51A
01	72.529	0.1805	22.2150	0.038	67.428	0.040	22.2140	0.0189	73.746	0.0190	22.2180	0.0180
02	72.526	0.1804	22.2150	0.040	67.428	0.042	22.2150	0.0190	73.746	0.0191	22.2200	0.0180
03	72.559	0.1800	22.2150	0.038	67.434	0.040	22.2150	0.0190	73.746	0.0191	22.2180	0.0180
04	72.545	0.1807	22.2150	0.039	67.432	0.040	22.2150	0.0190	73.746	0.0192	22.2180	0.0180
05	72.521	0.1802	22.2150	0.038	67.431	0.040	22.2150	0.0190	73.746	0.0192	22.2180	0.0180
06	72.497	0.1799	22.2140	0.036	67.445	0.038	22.2140	0.0189	73.746	0.0191	22.2180	0.0180
07	72.545	0.1803	22.2150	0.038	67.437	0.040	22.2150	0.0190	73.746	0.0192	22.2180	0.0180
08	72.535	0.1803	22.2150	0.038	67.437	0.040	22.2150	0.0190	73.746	0.0192	22.2180	0.0180
09	72.538	0.1804	22.2150	0.039	67.443	0.040	22.2150	0.0190	73.746	0.0192	22.2180	0.0180
10	72.513	0.1804	22.2140	0.020	67.437	0.038	22.2140	0.0189	73.746	0.0191	22.2180	0.0180
11	72.495	0.1803	22.2140	0.020	67.430	0.038	22.2140	0.0189	73.746	0.0191	22.2180	0.0180
12	72.495	0.1803	22.2150	0.024	67.422	0.034	22.2150	0.0190	73.746	0.0192	22.2180	0.0180
13	72.543	0.1806	22.2150	0.037	67.419	0.037	22.2150	0.0190	73.746	0.0192	22.2180	0.0180
14	72.500	0.1804	22.2130	0.034	67.409	0.034	22.2130	0.0189	73.746	0.0191	22.2180	0.0180
15	72.537	0.1805	22.2130	0.034	67.411	0.034	22.2130	0.0189	73.746	0.0191	22.2180	0.0180
16	72.466	0.1803	22.2110	0.026	67.418	0.034	22.2110	0.0189	73.746	0.0191	22.2180	0.0180
17	72.520	0.1806	22.2110	0.037	67.410	0.037	22.2110	0.0189	73.746	0.0191	22.2180	0.0180
18	72.520	0.1806	22.2100	0.060	67.398	0.060	22.2100	0.0189	73.746	0.0191	22.2180	0.0180
19	72.539	0.1803	22.2100	0.038	67.423	0.038	22.2100	0.0189	73.746	0.0191	22.2180	0.0180
20	72.490	0.1803	22.2090	0.041	67.409	0.041	22.2090	0.0189	73.746	0.0191	22.2180	0.0180
21	72.535	0.1803	22.2130	0.041	67.402	0.041	22.2130	0.0189	73.746	0.0191	22.2180	0.0180
22	72.479	0.1805	22.2090	0.041	67.406	0.041	22.2090	0.0189	73.746	0.0191	22.2180	0.0180
23	72.532	0.1805	22.2090	0.041	67.404	0.041	22.2090	0.0189	73.746	0.0191	22.2180	0.0180
24	72.472	0.1811	22.2090	0.042	67.409	0.042	22.2090	0.0189	73.746	0.0191	22.2180	0.0180
25	72.472	0.1812	22.2080	0.040	67.402	0.040	22.2080	0.0189	73.746	0.0191	22.2180	0.0180
26	72.472	0.1812	22.2070	0.045	67.418	0.045	22.2070	0.0189	73.746	0.0191	22.2180	0.0180
27	72.511	0.1807	22.2070	0.042	67.413	0.042	22.2070	0.0189	73.746	0.0191	22.2180	0.0180
28	72.519	0.1808	22.2060	0.044	67.413	0.044	22.2060	0.0189	73.746	0.0191	22.2180	0.0180
29	72.478	0.1808	22.2070	0.039	67.390	0.039	22.2070	0.0189	73.746	0.0191	22.2180	0.0180
30	72.473	0.1808	22.2070	0.039	67.390	0.039	22.2070	0.0189	73.746	0.0191	22.2180	0.0180
31	72.472	0.1813	22.2070	0.004	67.403	0.004	22.2070	0.0189	73.746	0.0191	22.2180	0.0180
32	72.472	0.1813	22.2070	0.004	67.418	0.004	22.2070	0.0189	73.746	0.0191	22.2180	0.0180

REPORT SELECTIONS:

LEAK RATE CALCULATED AIR WEIGHTS

RDG	TIME	ELAPSED MINUTES	TOTAL CONTAINMENT	LOWER CONTAINMENT 26.5% BLDG VOLUME	UPPER CONTAINMENT 56.7% BLDG VOLUME	ICE CONDENSER 14.5% BLDG VOLUME
515	84017:1310	0	0.042214	0.0414046	0.0419638	0.041547
516	84017:1820	10	0.0423191	0.0414033	0.0419639	0.041407
517	84017:1840	20	0.0424190	0.0414036	0.0419667	0.041276
518	84017:1840	30	0.0425144	0.0414011	0.0419658	0.041355
519	84017:1900	40	0.0426109	0.0414039	0.0419623	0.041151
520	84017:1920	50	0.0427098	0.0414027	0.0419613	0.040955
521	84017:1920	60	0.0428111	0.0414037	0.0419613	0.040954
522	84017:1940	70	0.0429128	0.0414017	0.0419608	0.041167
523	84017:1940	80	0.0430158	0.0414048	0.0419631	0.041328
524	84017:2000	100	0.0431193	0.0414026	0.0419650	0.041304
525	84017:2010	110	0.0432241	0.0414029	0.0419654	0.041372
526	84017:2020	120	0.0433291	0.0414024	0.0419661	0.041415
527	84017:2040	130	0.0434343	0.0414000	0.0419600	0.041438
528	84017:2050	140	0.0435416	0.0414054	0.0419597	0.041378
529	84017:2100	150	0.0436489	0.0414014	0.0419587	0.041288
530	84017:2110	160	0.0437562	0.0413959	0.0419548	0.041089
531	84017:2120	170	0.0438635	0.0413954	0.0419555	0.041041
532	84017:2130	180	0.0439708	0.0413970	0.0419562	0.041041
533	84017:2140	190	0.0440781	0.0413924	0.0419514	0.041041
534	84017:2150	200	0.0441854	0.0413862	0.0419447	0.041041
535	84017:2200	210	0.0442927	0.0413803	0.0419381	0.041041
536	84017:2210	220	0.0443999	0.0413730	0.0419314	0.041041
537	84017:2220	230	0.0445072	0.0413653	0.0419247	0.041041
538	84017:2230	240	0.0446145	0.0413576	0.0419180	0.041041
539	84017:2240	250	0.0447218	0.0413500	0.0419113	0.041041
540	84017:2250	260	0.0448291	0.0413423	0.0419046	0.041041
541	84017:2300	270	0.0449364	0.0413347	0.0418979	0.041041
542	84017:2310	280	0.0450437	0.0413270	0.0418912	0.041041
543	84017:2320	290	0.0451510	0.0413194	0.0418845	0.041041
544	84017:2330	300	0.0452583	0.0413117	0.0418778	0.041041
545	84017:2340	310	0.0453656	0.0413041	0.0418711	0.041041
546	84017:2350	320	0.0454729	0.0412964	0.0418644	0.041041
547	84018:0	330	0.0455802	0.0412888	0.0418577	0.041041
548	84018:10	340	0.0456875	0.0412811	0.0418510	0.041041
549	84018:20	350	0.0457948	0.0412735	0.0418443	0.041041
550	84018:30	360	0.0459021	0.0412658	0.0418376	0.041041
551			0.0460094	0.0412582	0.0418309	0.041041
552			0.0461167	0.0412505	0.0418242	0.041041
553			0.0462240	0.0412429	0.0418175	0.041041

DUKE POWER COMPANY, COLUMBIANA, MISSISSIPPI  
MASS PLOT ANALYSIS (MIN, OBS, MAX)



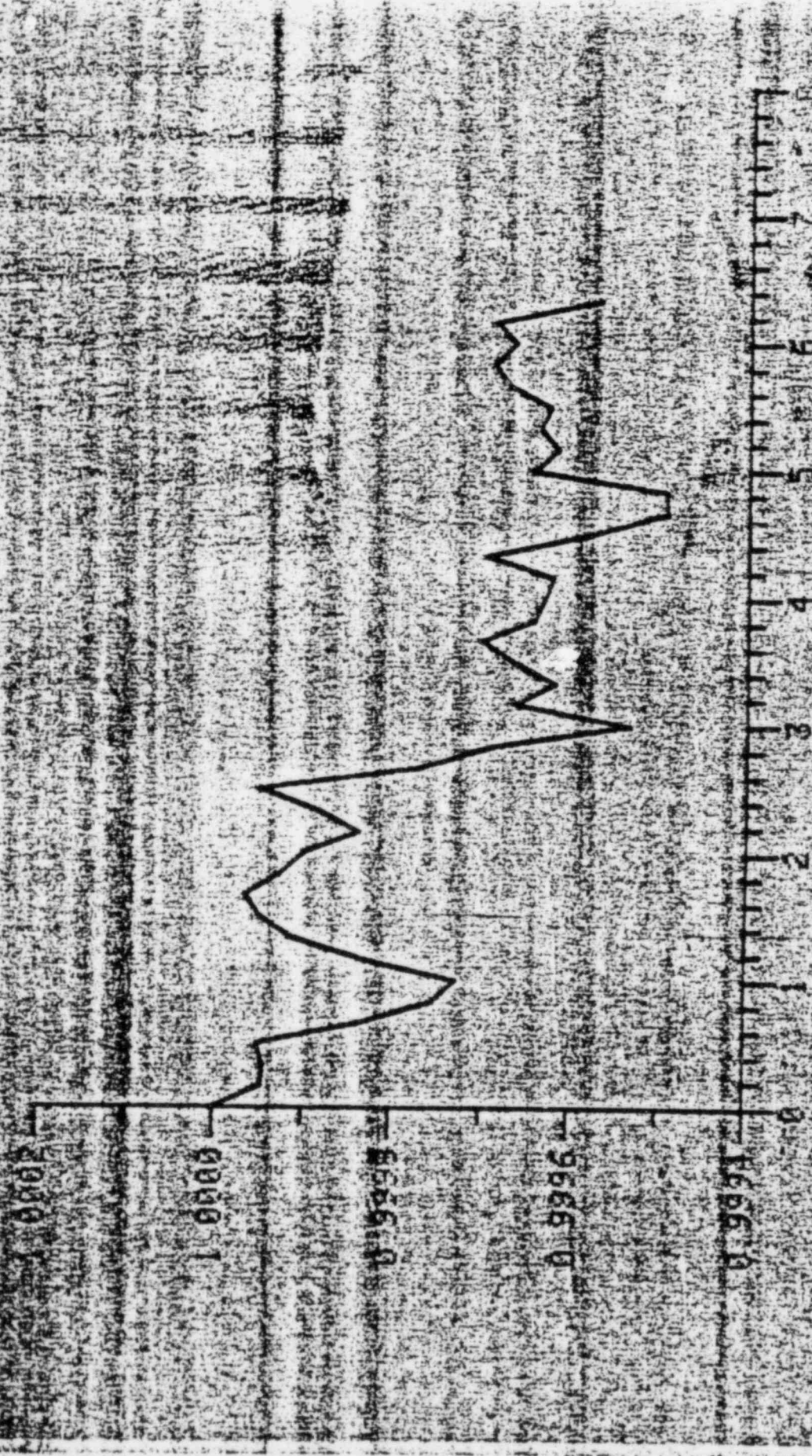
84017-1010 THRU 84018-0030

MIN - SOLID LINE

MAX - DASH LINE

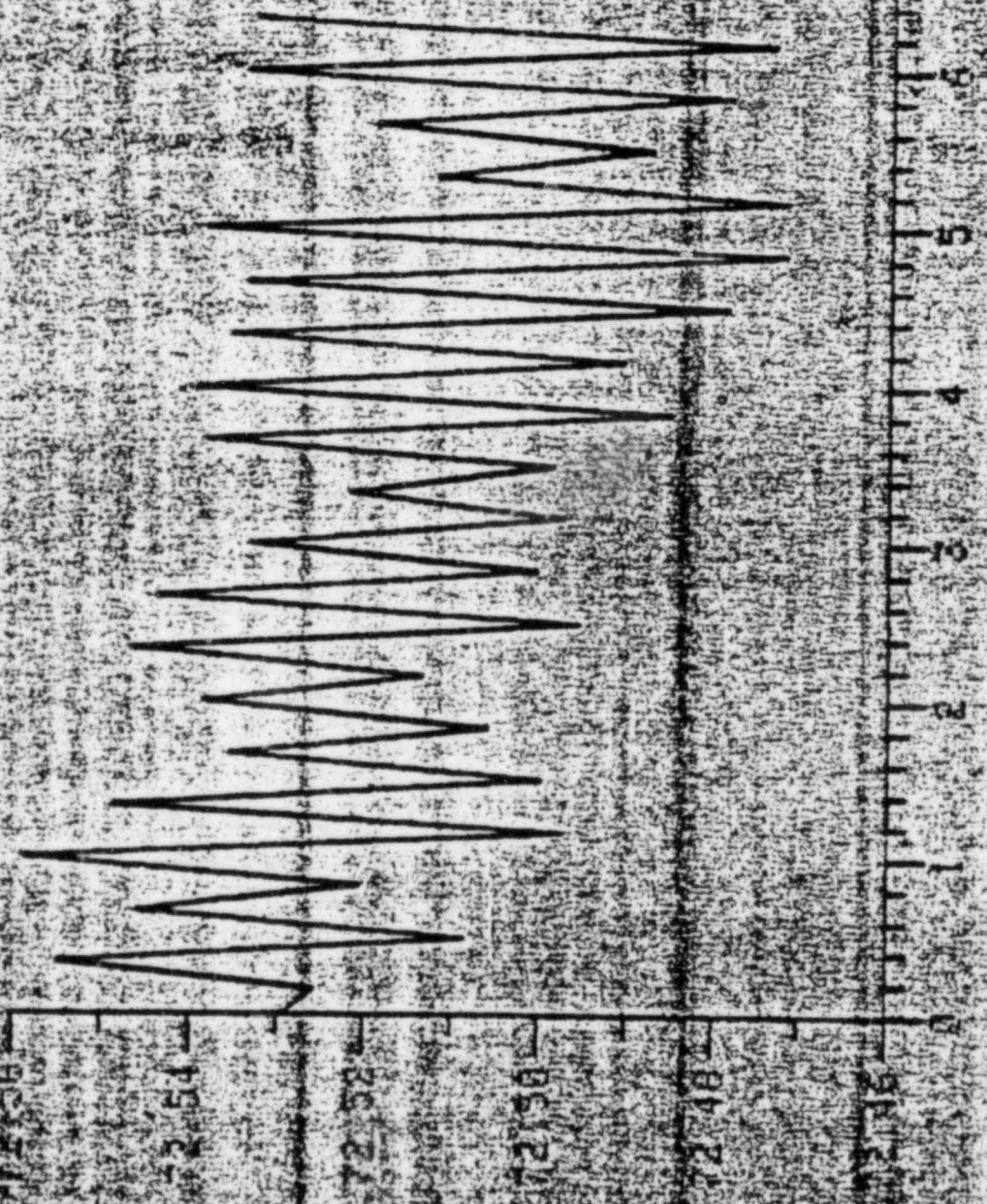
OBS - DOT/DASH LINE

DUKE POWER COMPANY - CATAMBA  
NORMALIZED AIR MASS



84017-1810 THRU 84018-0030

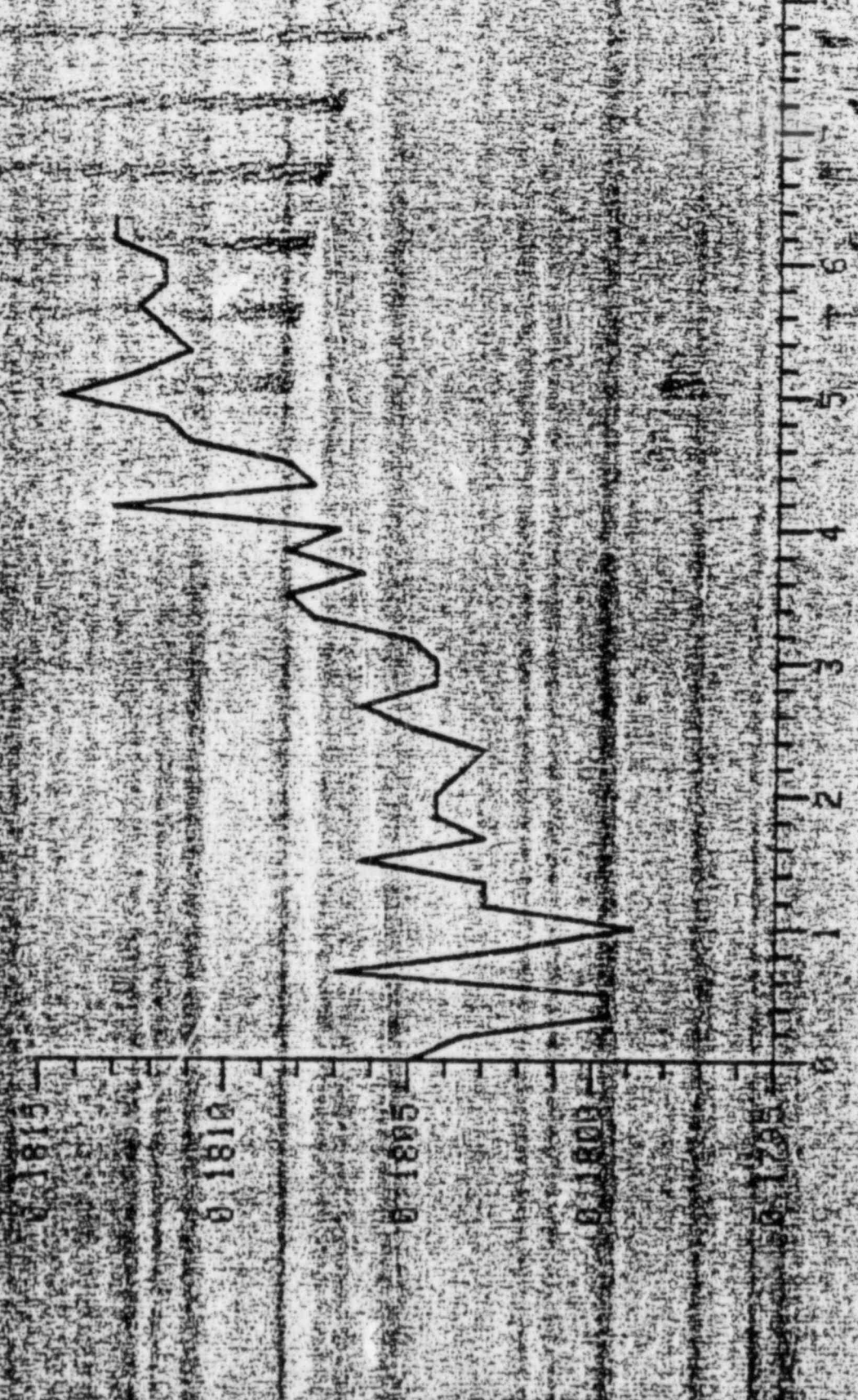
DUKE POWER COMPANY, CATAWBA  
LOWER CONTAINMENT TEMPERATURE



840171810 THRU 840180030



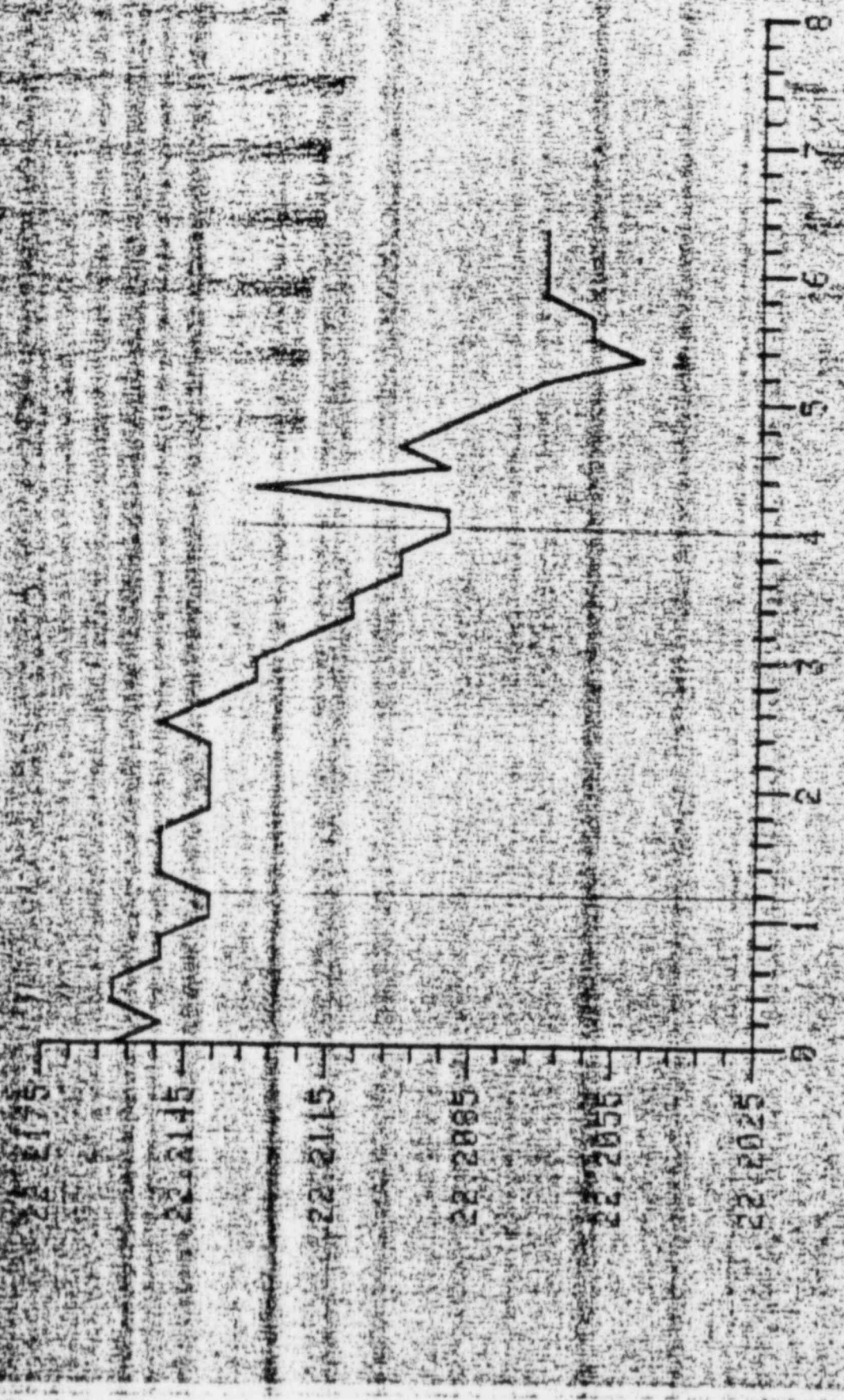
DUKE POWER COMPANY, CATAWBA  
LOWER CONTAINMENT VAPOR PRESSURE



84917-1810 THRU 84918-0030

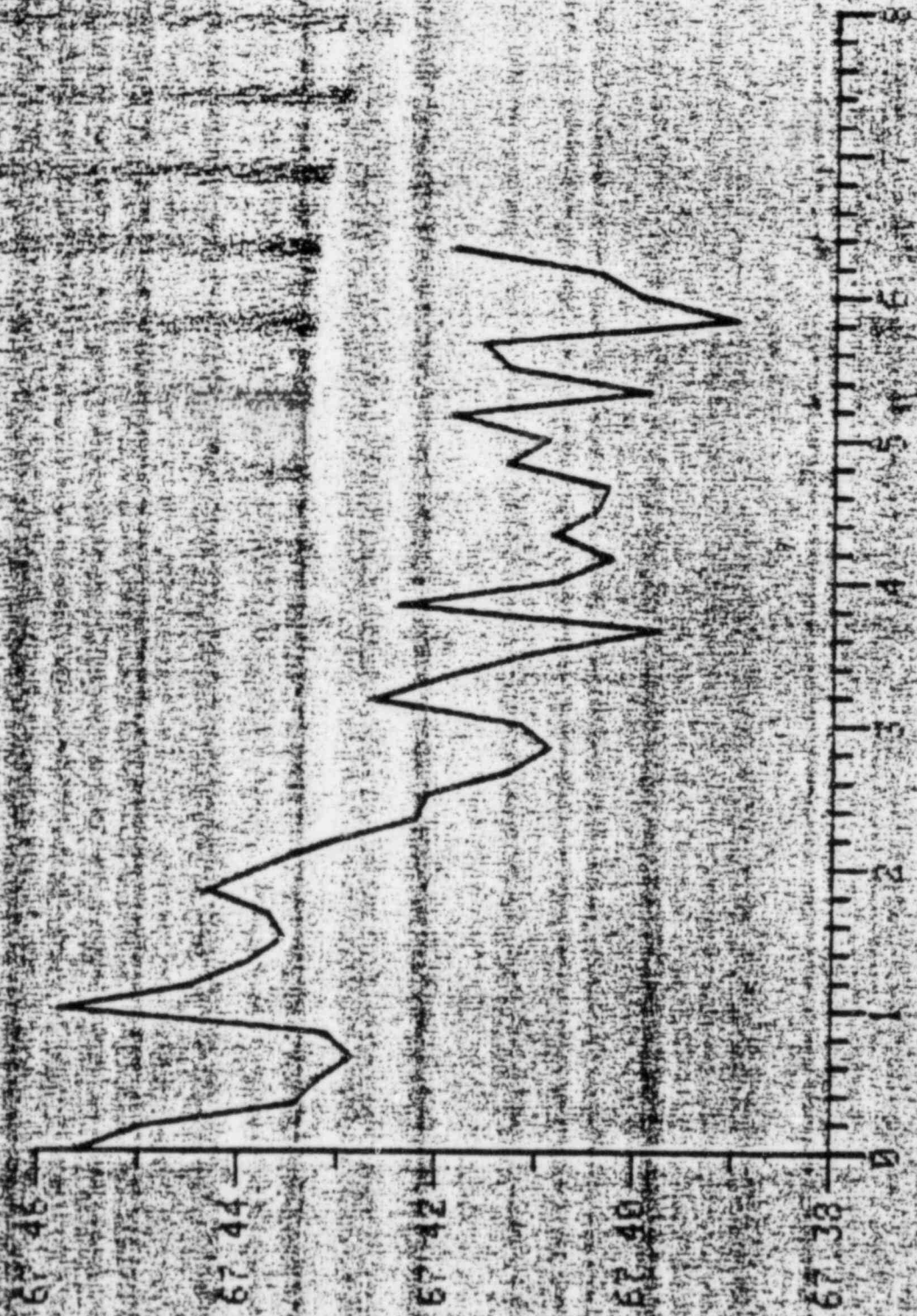
A/11

DUKE POWER COMPANY  
LOWER CONTAINMENT PRESSURE



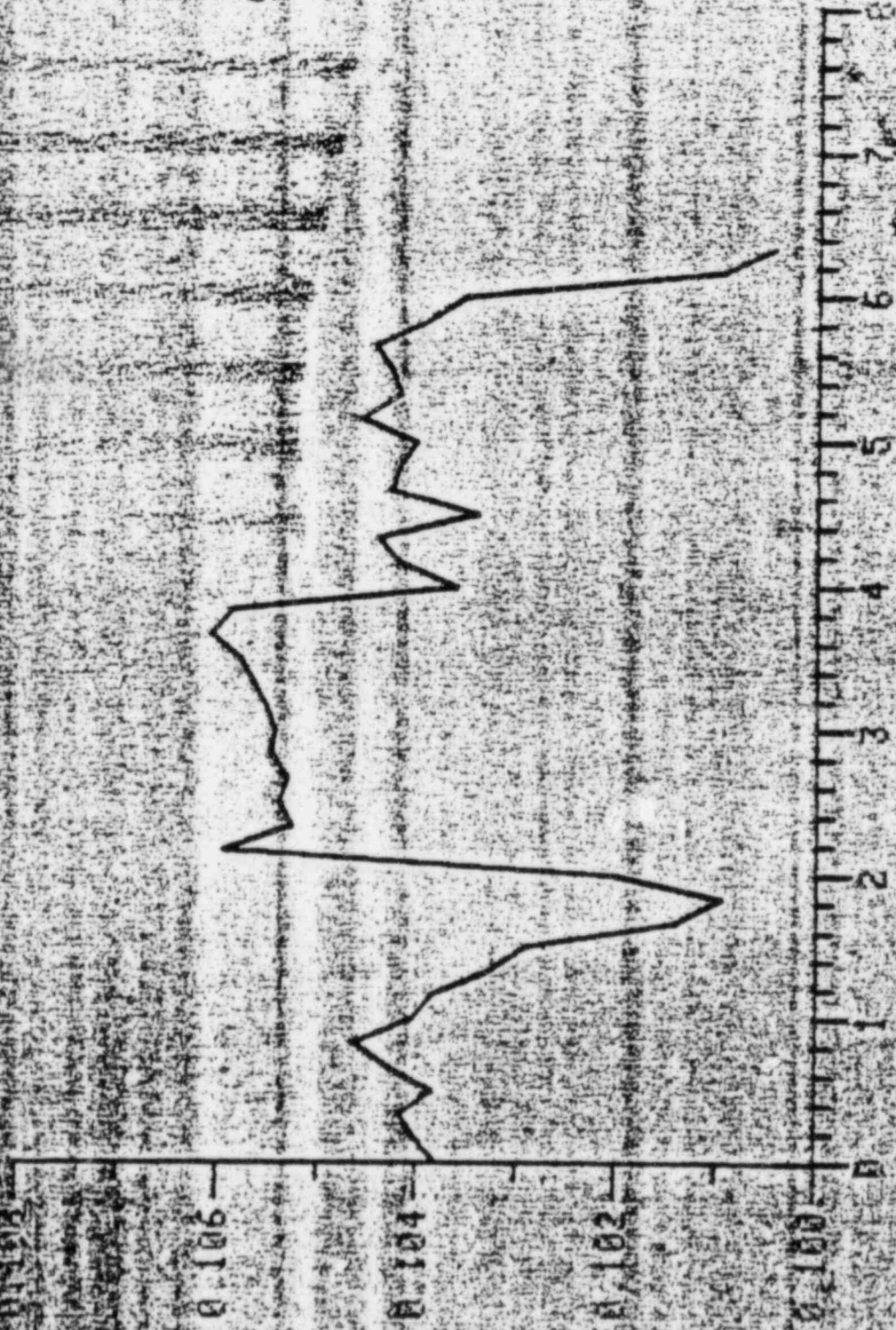
840171810 THRU 8401810030

DUKE POWER COMPANY - COALBURN  
UPPER CONTAINMENT TEMPERATURE



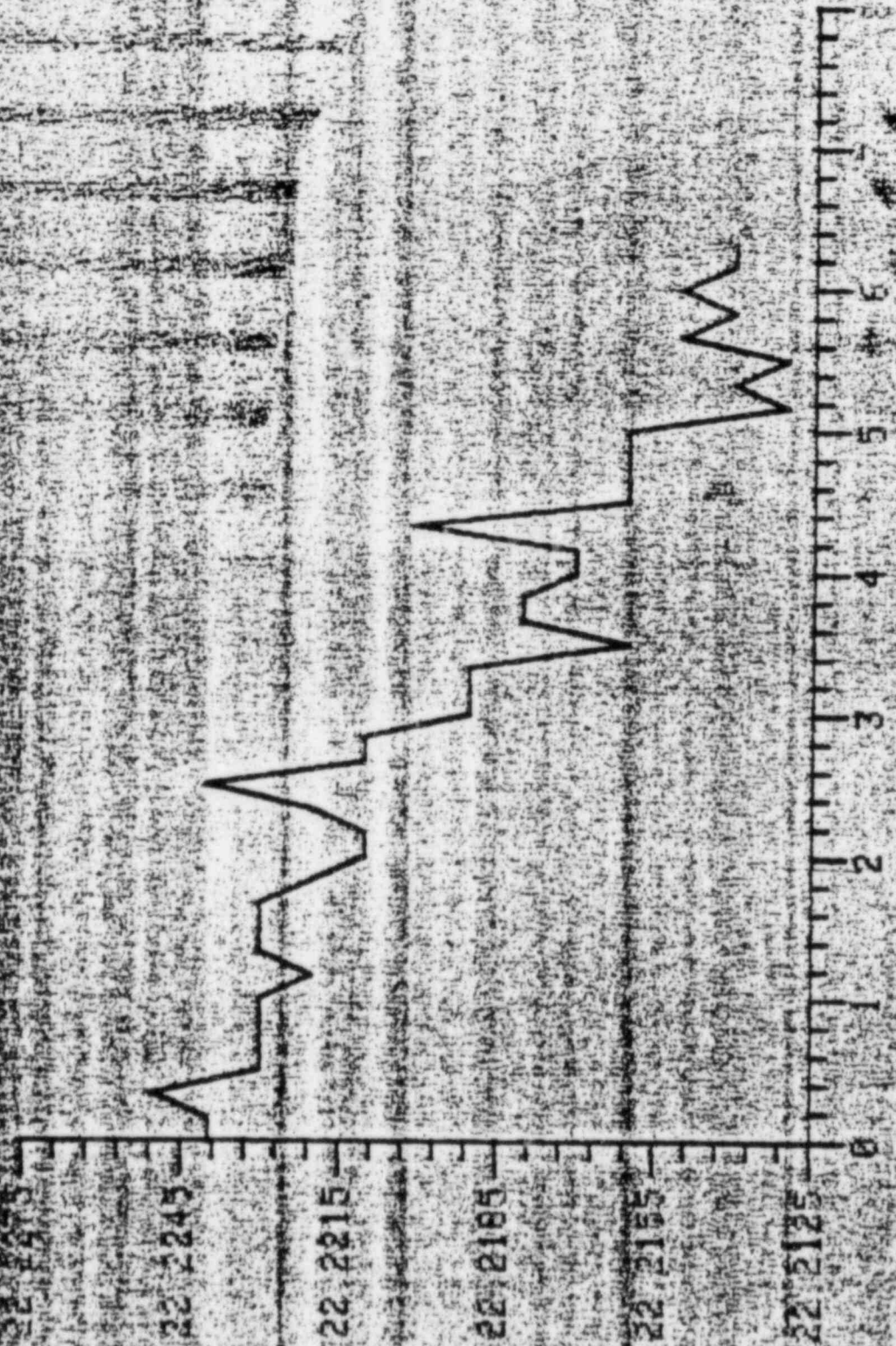
84017-17810 THRU 84018-0030

DUKE POWER COMPANY CATAWBA  
UPPER CONTAINMENT VAPOR PRESSURE



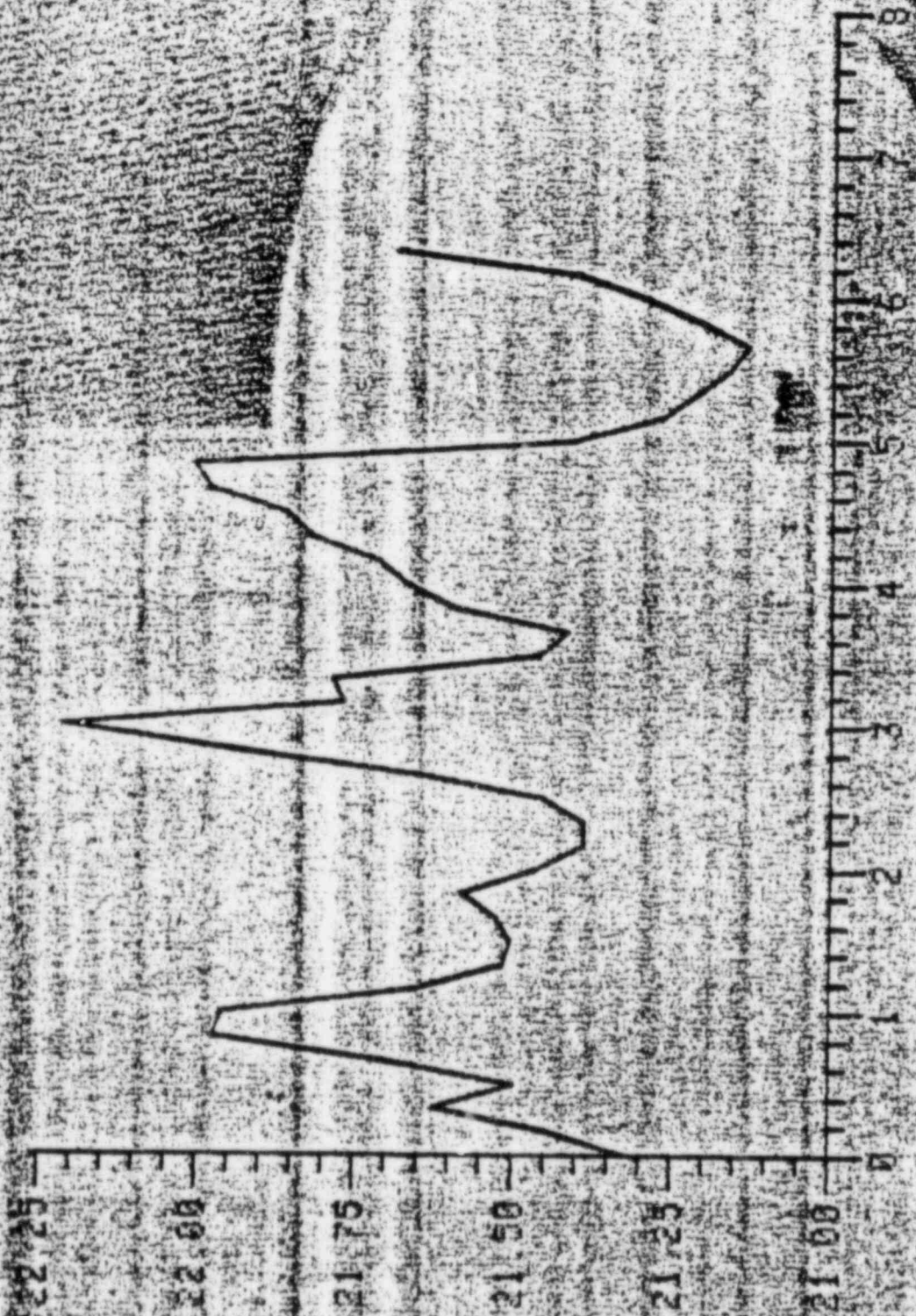
840171211 THRU 840180030

DUKE POWER COMPANY, CATAWBA  
UPPER CONTAINMENT PRESSURE



84017 1810 THRU 84018 0030

DUKE POWER COMPANY  
ICE CONDENSER TEMPERATURE



DUKE POWER COMPANY - GAITHERSBURG  
ICE CONDENSER VAPOR PRESSURE

X10<sup>-1</sup>

0.196

0.194

0.192

0.190

0.188

0

1

2

3

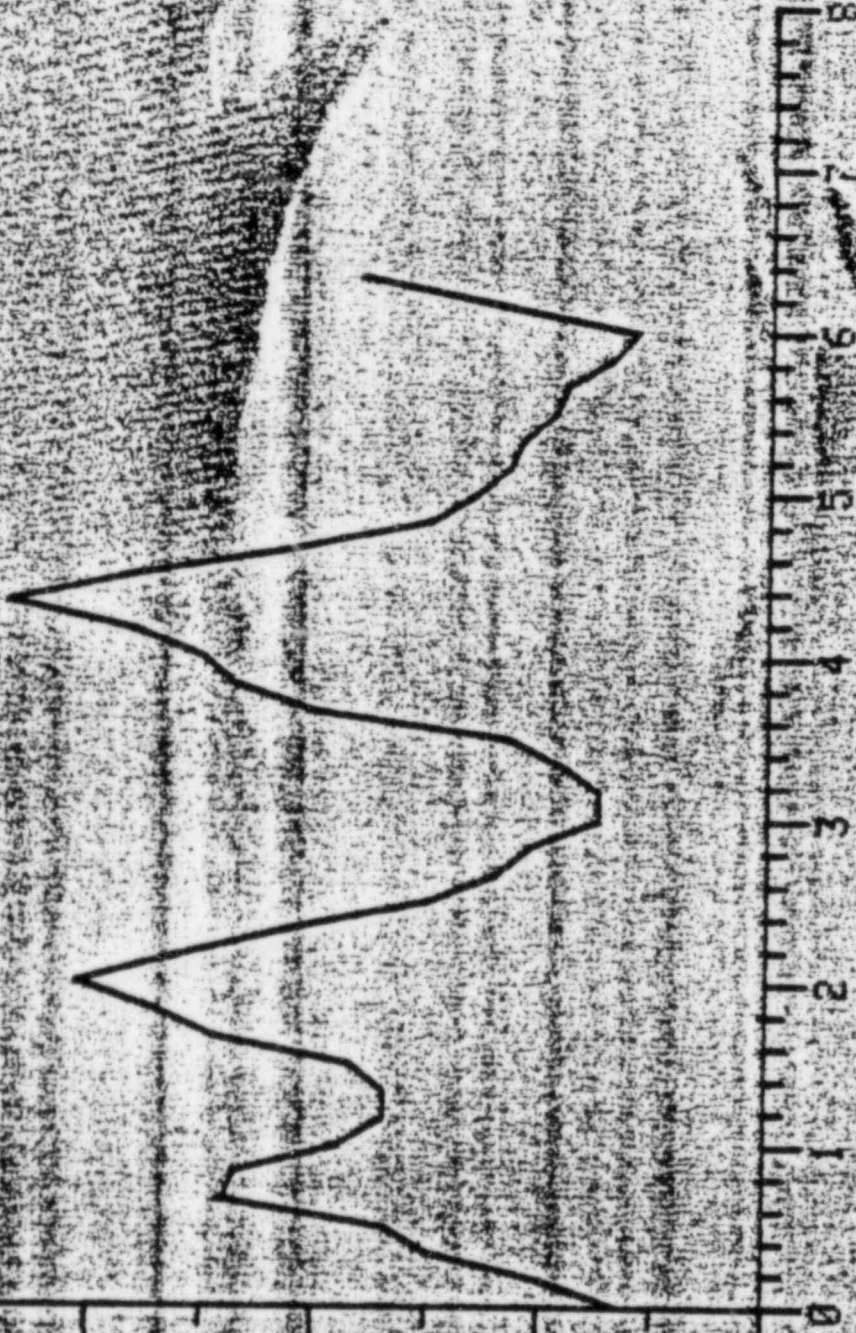
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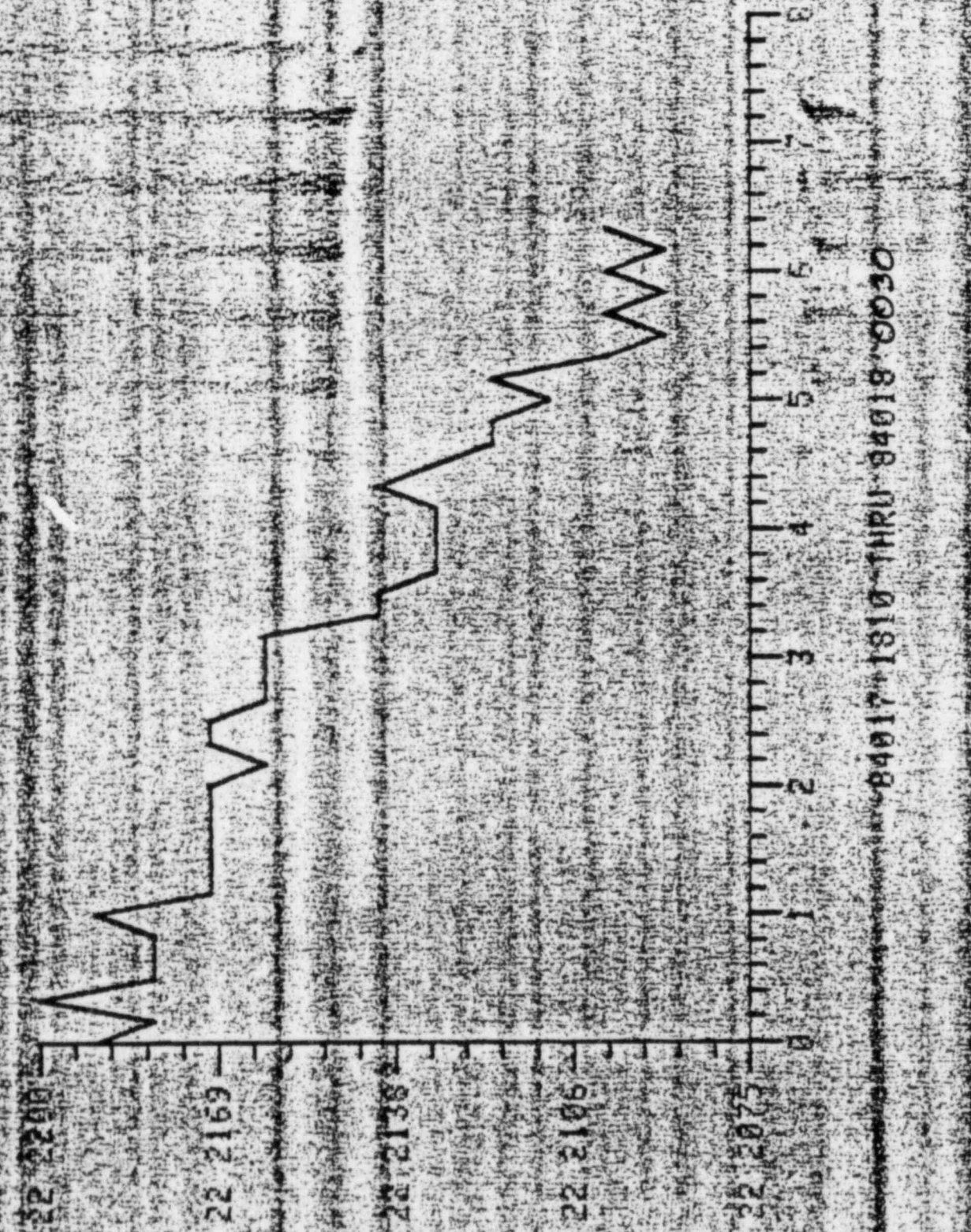
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8



84017:1810 THRU 84018:0030

DUKE POWER, LUMF. HILL, N. H. B. DIVISION  
ICE CONDENSER PRESSURE



84017-1810-THRU-84018-0030



APPENDIX C

TEST LOG

The following is a summary of the major events during the conduct of the ILRT:

<u>Date/Time</u>		<u>Comments</u>
10/17/83 -		Duke Power Civil Design on site to begin pre-ILRT inspection of the Containment Vessel and Reactor Building shell wall.
10/21/83 -		Design has completed inspection and only discrepancy to be resolved prior to ILRT is removal of form work for the last Reactor Building dome concrete pour.
12/16/83 -		Formwork for dome pour has been removed.
1/6/84 -	1448	Began prerequisites for test. Valve lineup in progress.
1/9/84 -		Rental compressors have been hooked up and checked out.
1/10/84 -	0345	Began pressurizing containment for structural integrity test.
1/10/84 -	0445	Rate of pressurization ~ 1.8 psig/hr.
1/10/84 -	1005	Personnel entered containment at ~ 10 psig to perform visual inspection.
1/10/84 -	1058	Stopped pressurization at 13.6 psig since personnel are still inside containment.
1/10/84 -	1257	Personnel out of containment. Resumed pressurizing.
1/10/84 -	1436	Reached SIT pressure of 16.892 psig.
1/10/84 -	1451	Began depressurizing to 85% of Pa in preparation for hold for outgassing.
1/10/84 -	1939	Walkdown of vented penetrations revealed M240 (RN) leaking. Decided to take exception to penetration and isolate.
1/10/84 -	2015	Nuclear Production and Design Personnel entered containment for post SIT inspection.
1/10/84 -	2234	Stop depressurizing at 12.3 psig. Start hold for outgassing.
1/10/84 -	2311	Personnel exited containment. No problems found during inspection.

<u>Date/Time</u>		<u>Comments</u>
1/11/84 -	1747	NRC inspector concurred that we may start repressurizing for full pressure test after approximately 22 hours of hold time for outgassing.
1/11/84 -	2122	Began repressurizing.
1/11/84 -	2251	Reached test pressure of ~ 15 psig. Stopped pressurizing. Began temperature stabilization process.
1/12/84 -	0300	Finished soap bubble test on hot penetrations. No leakage detected.
1/12/84 -	0330	Problems with ice condenser temperature stabilization. Problem due to air handling units tripping on thermal overload due to denser air inside containment causing fans to draw more current. Upper and Lower Containment are stable with less than 0.1°F/Hr change. Ice Condenser is fluctuating at ~ 1.1°F/Hr.
1/12/84 -	1019	In process of putting larger thermal overloads in Ice Condenser AHU feeders. Per conversation with NRC inspector, it was decided to not wait for Ice Condenser stabilization since it is such a small part of the overall containment volume. Therefore, test data from 0305 this morning on can be used as start of 24 hour LRT.
1/12/84 -	1920	Air Ice Condenser AHU's are now operating properly.
1/13/84 -	0500	Ice Condenser temperatures have started climbing. Putting on a fourth ice condenser chiller.
1/13/84 -	0650	Ice condenser temperature decreasing. One chiller had tripped off earlier so that is why temperatures increased.
1/13/84 -	0850	Satisfactorily completed 24 hour full pressure leak rate test.
1/13/84 -	0915	Began imposed leak rate test.
1/13/84 -	1635	Satisfactorily completed imposed leak rate test. Begin depressurizing to 85% of $P_t$ .
1/14/84 -	0100	Stopped depressurizing at 6.16 psig for 24 hour hold.

<u>Date/Time</u>		<u>Comments</u>
1/15/84 -	0109	Began pressurizing to reduced pressure leak rate test pressure.
1/15/84 -	0150	Stopped pressurizing at 7.7 psig. Began temperature stabilization period.
1/15/84 -	0600	Temperature stabilization complete. Began reduced pressure leak rate test.
1/18/84 -	0850	Leak rate has been oscillating. Leak rate is extremely low or slightly negative.
1/16/84 -	1008	Rechecked alignments of penetrations for inadvertent pressurization path. None found.
1/16/84 -	1305	Entered containment to inspect for problems. Having operations cycle isolation valves on penetration to make sure none have pressurized.
1/16/84 -	1600	No problems found in containment.
1/17/84 -	0844	Appears that outgassing may have caused low leak rate. Leak rate is in an acceptable range of ~ 0.05%/Day.
1/17/84 -	1609	Satisfactorily completed reduced pressure test. Beginning imposed leak rate test. See Appendix E for discussion of Reduced Pressure Leak Rate Test.
1/18/84 -	0030	Satisfactorily completed imposed leak rate test.
1/18/84 -	0115	Began depressurizing.
1/18/84 -	0730	Containment at 0 psig.
1/18/84 -	0800	Discovered that lower air lock reactor side door had blown open. See Appendix E for details.

APPENDIX D

ICE CONDENSER TEMPERATURE STABILIZATION CRITERIA

During the hold period for outgassing of containment prior to the Full Pressure Test some problems were experienced with the Ice Condenser Handling Units. Due to the increased density of the air in containment the current drawn by the AHU fan motors increased. This caused the thermal overloads on the units to occasionally trip.

The beginning of the temperature stabilization period for the Full Pressure Test began at 2305 on 1/11/84. It was discovered at 0330 on 1/12/84 that a number of AHU's had tripped off by 2030 on 1/11/84 but had not been reset. The units were then reset and inspected on an hourly basis thereafter. At approximately 1019 on 1/12/84 it was decided after talking to the NRC Inspector to begin the test even though the ice condenser temperature was still fluctuating. Both upper and lower containment temperatures had stabilized by 0305 on 1/12/84, so the 24 hour test was considered started at that time. By approximately 1920 on 1/12/84, larger overloads had been installed in all AHU's to prevent them from tripping.

At approximately 0500 on 1/13/84, the ice condenser temperature began to rise. This was due to a chiller tripping off and not being reset. By approximately 0630 on 1/13/84 another chiller had been started and ice condenser temperatures began to return to normal.

Some concern was expressed as to the overall effects of the ice condenser temperature fluctuations on the overall leakage results. It should be noted that some fluctuations are normal in the ice condenser region due to the periodic defrosting of the air handling units.

The Ice Condenser at Catawba accounts for approximately 14% of the total containment volume (with 2/3 ice load). There are a total of 15 RTD's installed in the ice condenser: 10 in the upper plenum region where the AHU's are located and 5 in the lower plenum region where the ice bed is located. Each RTD is weighted to represent an appropriate subvolume of the ice condenser in compliance with ANSI/ANS 56.8-1981. There are 13 RTD's installed in upper containment and 24 RTD's installed in the lower containment, giving a total of 52 RTD's to model the Catawba containment.

EPRI Report NP-3400 "Criteria for Determining the Duration of Integrated Leak Rate Tests of Reactor Containments" discusses temperature measurements and weighting factors. In essence if the weighing factors are sufficiently accurate, temperature variations will be adequately accounted for in the calculation of containment mass.

The attached figure shows a plot of ice condenser temperature versus time for the period between 2305, 1/11/84 and 0850, 1/12/84. The time 0850 was used as a starting point for the 24 hours of test data. Calculating and plotting a straight line fit using linear regression techniques yields a temperature rise of approximately 0.0403°F per hour.

For the 24 hour test period the overall average containment temperature changed as follows:

From 0850, 1/12/84 to 0850, 1/13/84

Upper Containment (58.75% of Containment Volume)  
- Temperature dropped 0.77°F

Lower Containment (26.76% of Containment Volume)  
 - Temperature dropped 0.48°F

Ice Condenser (14.49% of Containment Volume)  
 - Temperature rose 2.05°F

Overall Net Change in Containment Temperature is:

$$= |VF_{UC} \cdot \Delta T_{UC}| + |VF_{LC} \cdot \Delta T_{LC}| + |VF_{IC} \cdot \Delta T_{IC}|$$

Where VF = Volume Fraction of Compartment  
 $\Delta T$  = Temperature Change in Compartment over Test Period

$$= |(0.5875)(-0.77^\circ\text{F})| + |(0.2676)(-0.48^\circ\text{F})| + |(0.1449)(2.05^\circ\text{F})|$$

$$= 0.878^\circ\text{F}$$

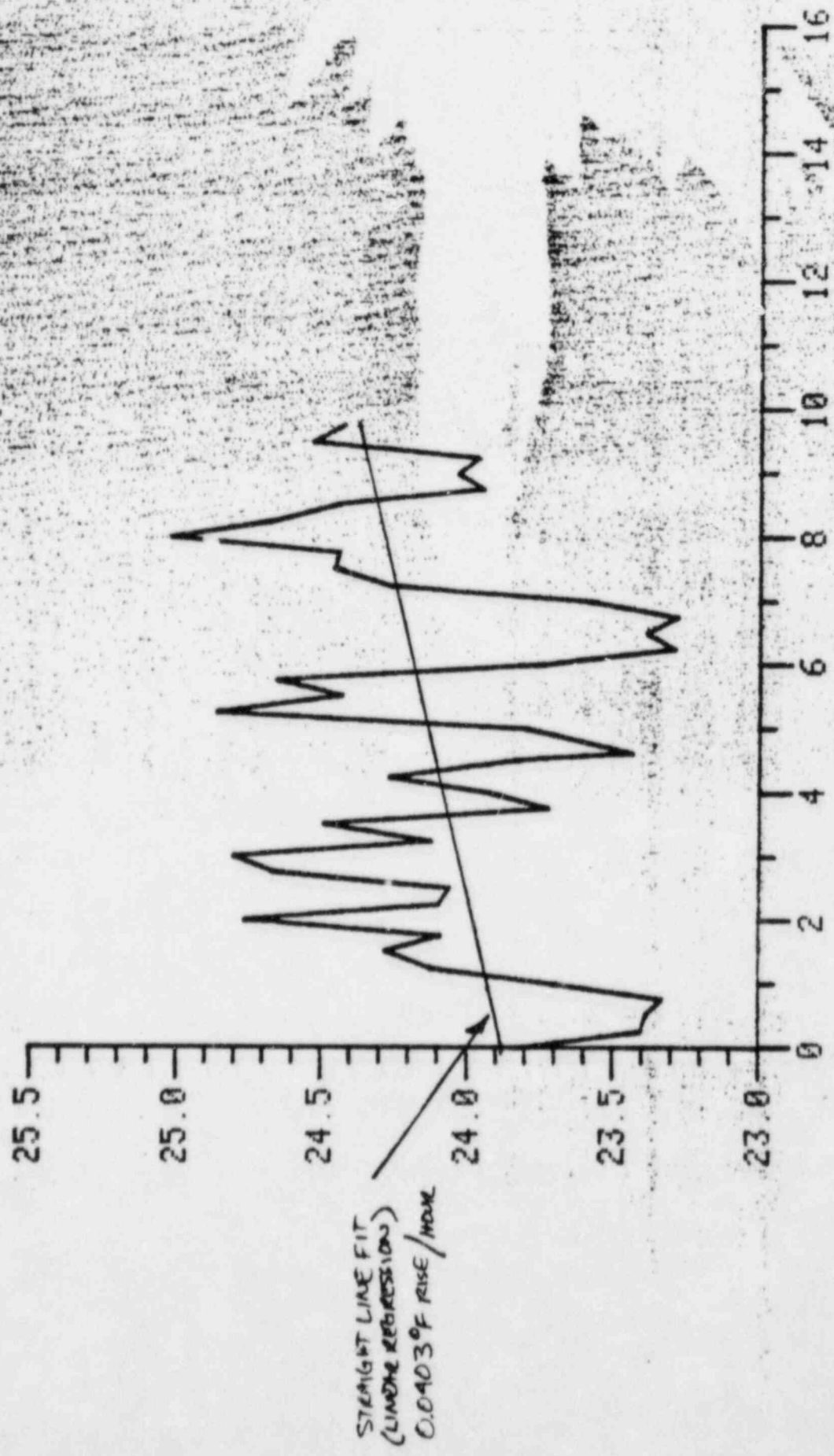
Examining the mass plot analysis for the 24 Hour Full Pressure Test contained in Appendix B shows a fairly constant and converging set of curves at approximately 10 hours into the 24 hour test.

To summarize:

- The Catawba containment is sufficiently modeled and weighted to account for temperature variations in the calculation of containment mass.
- During the stabilization period from 2305, 1/11/84 to 0850, 1/12/84 the ice condenser average temperature change was only 0.0403°F per hour.
- During the 24 hour test the overall change in average containment temperature was 0.878°F.
- The mass plot analysis curves clearly become constant and converging at approximately 10 hours into the test.

Based on the above observations it can be said that the observed ice condenser fluctuations had negligible impact on the test results and the final 95% UCL Leak Rate of 0.1107552%/Day accurately demonstrates adequate integrity for the Catawba Unit 1 Containment Vessel.

DUKE POWER COMPANY, CATAWBA  
ICE CONDENSER TEMPERATURE



STRAIGHT LINE FIT  
(LINEAR REGRESSION)  
0.0403°F RISE/MIN

84011:2305 THRU 84012: 850



APPENDIX E

REDUCED PRESSURE LEAK RATE TEST DISCUSSION

Accumulation of data for the reduced Pressure Leak Rate Test was begun at 0600 on 1/15/84. An acceptable 24 hour band of test data was finally obtained at 1609 on 1/17/84. Early test data indicated a leak rate oscillating between being slightly negative or an extremely low positive value. There are two possible reasons for this occurring:

- Outgassing was occurring during the initial stages of the test masking the leak rate, and/or
- Some source was leaking air back into containment

These two possibilities are discussed in the following paragraphs.

Examination of Section IX, Figure 1 shows that containment pressure was greater than or equal to the Reduced Pressure Test pressure for approximately 88 hours prior to the start of the outgassing period for the Reduced Pressure Test. During that time it would have been possible for ingassing to occur into the porous materials inside containment. Due to the large amount of time at a pressure above  $P_t$ , it is conceivable that outgassing may have caused the low or slightly negative leak rates measured during the initial hours of the Reduced Pressure Test. During the 24 hours of data used for the Reduced Pressure Test, an acceptable, converging leak rate was obtained which indicated that if outgassing had been occurring during the initial portion of the test, it had ceased by 1740 on 1-16-84 which was the beginning of the 24 hour block of data used for the Reduced Pressure Test.

As noted in the test log (Appendix C) the reactor side Personnel Air Lock Door blew open (swung into containment) during the depressurization period following the Reduced Pressure Test. This door has been visually verified intact during the containment inspection on 1-16-84. A Security Officer stationed outside the door (to prevent unauthorized personnel from entering) heard a loud noise at approximately 0640 on 1-18-84 during the depressurization period which may have been the inner door blowing open. This was at approximately 2 psig containment pressure.

The equalization line between the containment atmosphere and the Personnel Air Lock Interior contains two check valves and a manual isolation valve. Its function is to maintain the airlock equal to or below containment pressure. The check valves were determined to leak excessively prior to the beginning of the ILRT and were to be changed to a different type of valve after the ILRT. For this reason, the manual isolation valve was closed to prevent leakage through the check valves.

An investigation revealed that the manual isolation valve had leaked thereby pressurizing the air lock over the period of days the ILRT was conducted. During the Full Pressure Test the effect of this leak would be to indicate a larger leak rate than actual on the containment vessel which is conservative. When containment pressure was reduced in preparation for the Reduced Pressure Test, the air lock may have been at a greater pressure than the containment atmosphere. It was not a pressure great enough to blow open the door since the door was visually verified intact as discussed in the preceding paragraph. During the initial hours of the Reduced Pressure Test

the air lock could have been leaking air into containment thereby causing the low or slightly negative leak rate. Once the airlock pressure equalized with containment pressure, the containment leak rate stabilized as a normal value.

Repairs have since been conducted on the Lower Personnel Air Lock. A Type B request was performed on the airlock and the results are contained in Section VI.F. of this report.

There is no measureable net effect from these items on the results of the Reduced Pressure Test. As demonstrated by the data and curves in Appendix B of this report, a stable and converging leak rate had been obtained which indicates that no outgassing or in leakage of air into containment had been occurring during that 24 hour period.