

pmb

INDIANA & MICHIGAN ELECTRIC COMPANY

P.O. BOX 16631
COLUMBUS, OHIO 43216

September 21, 1984
AEP:NRC:0901

Donald C. Cook Nuclear Plant Unit No. 2
Docket Nos. 50-315 and 50-316
License Nos. DPR-58 and DPR-74
INTEGRATED LEAK RATE TEST

| PRINCIPAL STAFF | | | |
|-----------------|--|------|--|
| RA | | DRP | |
| D/RA | | DRS | |
| RC | | DRSS | |
| PAO | | ML | |
| SGA | | OL | |
| ETC | | OI | |
| DRMA | | FILE | |

orig+1

w/o attachment

Mr. James G. Keppler, Regional Director
U.S. Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, IL 60137

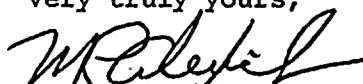
Dear Mr. Keppler:

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Pursuant to our discussion with your staff, attached please find the revised data reduction for the supplemental test of our Unit 2 Integrated Leak Rate Test (ILRT). The reason for the revision is that the original supplemental test analysis was based on an incorrect conversion factor for the leak rate. This error was caused by inversion of the equation used to adjust the flow meter readings from calibration conditions. The correct imposed leak rate values yield good results using all data. The data "scatter", which was originally thought to have contributed to the problem, has been compared to past data. This comparison showed no unusual variances. It is to be noted that this is not our formal ILRT report. That report will be transmitted approximately one month from today.

In order to assure a timely response in this matter, normal corporate procedures have been bypassed. The letter will be subjected to normal corporate review at the earliest opportunity. Should that review result in any changes, we will notify you accordingly.

Very truly yours,


M. P. Alexich
Vice President

MPA/dew

Attachment

cc: John E. Dolan
W. G. Smith, Jr. - Bridgman
R. C. Callen
G. Charnoff
E. R. Swanson, NRC Resident Inspector - Bridgman

ppp

8410100393 840921
PDR ADDCK 05000316
P PDR

SEP 24 1984

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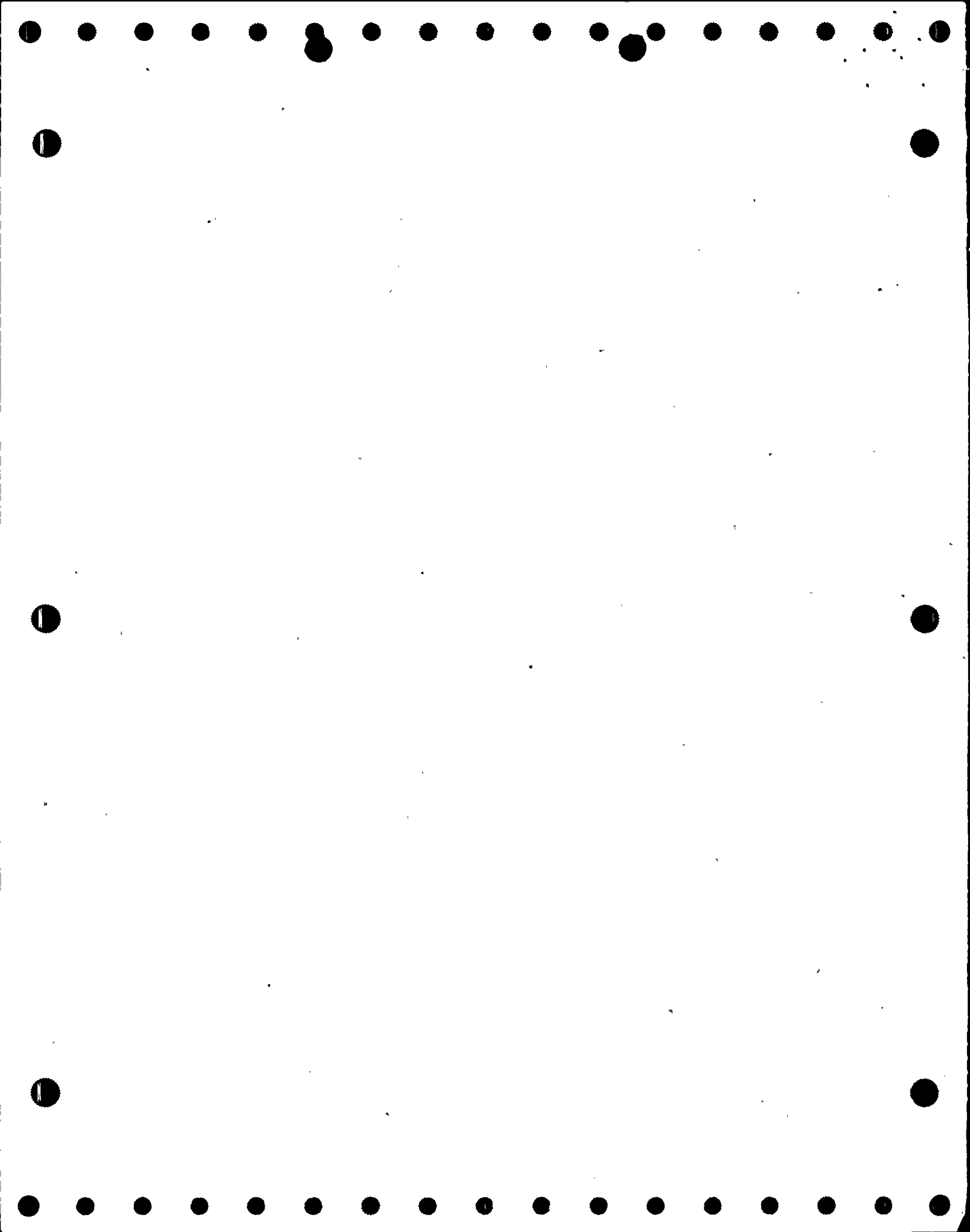
ATTACHMENT TO AEP:NRC:0901

REVISED DATA REDUCTION FOR SUPPLEMENTAL UNIT 2
INTEGRATED LEAK RATE TEST

*** ILR PROGRAM RESULTS ***

SUMMARY OF AVERAGES

| RUN # | ELAPSED TIME | AVG TEMP | AVG PRESS | AVG V PRESS | AVG TEMP | AVG PRESS | AVG V PRESS | AVG TEMP | AVG PRESS | AVG V PRESS |
|-------|-----------------|----------|-----------|-------------|----------|-----------|-------------|----------|-----------|-------------|
| | | UPPER | UPPER | UPPER | LOWER | LOWER | LOWER | ICE | ICE | ICE |
| 1 | 0.0 | 72.5562 | 26.8504 | 0.0934 | 73.2920 | 26.8565 | 0.1102 | 17.2338 | 26.8857 | 0.0401 |
| 2 | 0.50 | 72.5655 | 26.8481 | 0.0934 | 73.3156 | 26.8545 | 0.1106 | 17.1156 | 26.8834 | 0.0368 |
| 3 | 1.00 | 72.5362 | 26.8476 | 0.0935 | 73.2979 | 26.8529 | 0.1110 | 17.1285 | 26.8806 | 0.0403 |
| 4 | 1.50 | 72.5377 | 26.8458 | 0.0933 | 73.3473 | 26.8513 | 0.1114 | 17.2876 | 26.8792 | 0.0415 |
| 5 | 2.00 | 72.5116 | 26.8438 | 0.0939 | 73.3336 | 26.8494 | 0.1117 | 17.2258 | 26.8772 | 0.0352 |
| 6 | 2.50 | 72.5125 | 26.8430 | 0.0934 | 73.3669 | 26.8487 | 0.1120 | 17.1175 | 26.8767 | 0.0383 |
| 7 | 3.00 | 72.5179 | 26.8418 | 0.0937 | 73.4222 | 26.8474 | 0.1124 | 17.0781 | 26.8754 | 0.0388 |
| 8 | 3.50 | 72.5250 | 26.8385 | 0.0937 | 73.3532 | 26.8445 | 0.1128 | 17.1814 | 26.8728 | 0.0406 |
| 9 | 4.00 | 72.5308 | 26.8369 | 0.0942 | 73.3942 | 26.8428 | 0.1131 | 17.0658 | 26.8708 | 0.0381 |
| 10 | 4.50 | 72.5374 | 26.8360 | 0.0936 | 73.3829 | 26.8420 | 0.1135 | 17.0197 | 26.8699 | 0.0384 |
| 11 | 5.00 | 72.5240 | 26.8332 | 0.0940 | 73.3882 | 26.8389 | 0.1139 | 17.2124 | 26.8667 | 0.0365 |
| 12 | 5.50 | 72.5343 | 26.8298 | 0.0941 | 73.4099 | 26.8358 | 0.1141 | 17.0518 | 26.8637 | 0.0365 |
| 13 | 6.00 | 72.4963 | 26.8284 | 0.0939 | 73.3997 | 26.8343 | 0.1145 | 17.0036 | 26.8627 | 0.0376 |
| 14 | 6.50 | 72.4759 | 26.8273 | 0.0943 | 73.4022 | 26.8332 | 0.1149 | 16.9422 | 26.8619 | 0.0370 |
| 15 | 7.00 | 72.4839 | 26.8248 | 0.0942 | 73.4053 | 26.8305 | 0.1152 | 16.9664 | 26.8584 | 0.0368 |
| 16 | 8.00 | 72.4543 | 26.8220 | 0.0899 | 73.4409 | 26.8277 | 0.1160 | 17.0081 | 26.8554 | 0.0386 |
| 17 | 8.50 | 72.4478 | 26.8189 | 0.0906 | 73.4265 | 26.8246 | 0.1158 | 17.1162 | 26.8524 | 0.0349 |
| 18 | 9.00 | 72.4320 | 26.8161 | 0.0903 | 73.4106 | 26.8401 | 0.1162 | 16.9393 | 26.8509 | 0.0356 |
| 19 | 9.50 | 72.3954 | 26.8133 | 0.0906 | 73.4252 | 26.8193 | 0.1166 | 16.8170 | 26.8474 | 0.0370 |
| 20 | 10.00 | 72.3799 | 26.8128 | 0.0902 | 73.4332 | 26.8179 | 0.1171 | 16.8789 | 26.8472 | 0.0369 |
| 21 | 10.50 | 72.4088 | 26.8102 | 0.0904 | 73.4139 | 26.8163 | 0.1178 | 16.8021 | 26.8443 | 0.0318 |
| 22 | 11.00 | 72.4039 | 26.8072 | 0.0908 | 73.4308 | 26.8137 | 0.1180 | 16.7648 | 26.8413 | 0.0345 |
| 23 | 11.50 | 72.3472 | 26.8024 | 0.0908 | 73.4274 | 26.8094 | 0.1067 | 16.8224 | 26.8374 | 0.0363 |
| 24 | 12.00 | 72.3651 | 26.8018 | 0.0910 | 73.4541 | 26.8083 | 0.1065 | 16.9424 | 26.8363 | 0.0341 |
| 25 | 12.50 | 72.3449 | 26.8003 | 0.0910 | 73.4318 | 26.8074 | 0.1072 | 16.7956 | 26.8354 | 0.0355 |
| 26 | 13.00 | 72.3481 | 26.7983 | 0.0915 | 73.4388 | 26.8059 | 0.1079 | 16.7118 | 26.8334 | 0.0358 |
| 27 | 13.50 | 72.3339 | 26.7945 | 0.0914 | 73.4314 | 26.8025 | 0.1085 | 16.8125 | 26.8300 | 0.0348 |
| 28 | 14.00 | 72.3256 | 26.7950 | 0.0908 | 73.4231 | 26.8027 | 0.1089 | 16.7143 | 26.8203 | 0.0337 |
| 29 | 14.50 | 72.3153 | 26.7933 | 0.0913 | 73.4357 | 26.8013 | 0.1092 | 16.7260 | 26.8295 | 0.0373 |



RESULTS OF THE LINEAR REGRESSION ANALYSIS

| RUN # | H EXPERIMENTAL | LEAKAGE RATE UPPER LIMIT | LEAKAGE RATE | H UPPER CONTAINMENT | H LOWER CONTAINMENT | H ICE CONDENSER |
|-------|-------------------|-----------------------------|-----------------|------------------------|------------------------|--------------------|
| 3 | 0.99991 | -0.57764 | -0.21530 | 0.99993 | 0.99982 | 1.00002 |
| 4 | 0.99977 | -0.55713 | -0.33766 | 0.99987 | 0.99966 | 0.99959 |
| 5 | 0.99976 | -0.41656 | -0.30551 | 0.99982 | 0.99960 | 0.99988 |
| 6 | 0.99974 | -0.34858 | -0.26846 | 0.99981 | 0.99950 | 0.99998 |
| 7 | 0.99965 | -0.32499 | -0.27134 | 0.99974 | 0.99933 | 0.99999 |
| 8 | 0.99953 | -0.34903 | -0.29932 | 0.99960 | 0.99934 | 0.99961 |
| 9 | 0.99946 | -0.35394 | -0.31336 | 0.99951 | 0.99919 | 0.99987 |
| 10 | 0.99945 | -0.33964 | -0.30719 | 0.99949 | 0.99917 | 0.99993 |
| 11 | 0.99930 | -0.35387 | -0.32291 | 0.99939 | 0.99903 | 0.99947 |
| 12 | 0.99919 | -0.37085 | -0.33983 | 0.99924 | 0.99886 | 0.99970 |
| 13 | 0.99919 | -0.36438 | -0.33835 | 0.99927 | 0.99881 | 0.99972 |
| 14 | 0.99918 | -0.35342 | -0.32951 | 0.99925 | 0.99875 | 0.99984 |
| 15 | 0.99906 | -0.34983 | -0.32925 | 0.99915 | 0.99863 | 0.99967 |
| 16 | 0.99903 | -0.33755 | -0.31672 | 0.99926 | 0.99843 | 0.99940 |
| 17 | 0.99891 | -0.33247 | -0.31430 | 0.99913 | 0.99835 | 0.99920 |
| 18 | 0.99908 | -0.31874 | -0.29276 | 0.99907 | 0.99894 | 0.99949 |
| 19 | 0.99882 | -0.31566 | -0.29263 | 0.99902 | 0.99812 | 0.99956 |
| 20 | 0.99880 | -0.31092 | -0.29021 | 0.99905 | 0.99804 | 0.99943 |
| 21 | 0.99872 | -0.30824 | -0.28958 | 0.99889 | 0.99799 | 0.99967 |
| 22 | 0.99860 | -0.30969 | -0.29253 | 0.99877 | 0.99785 | 0.99954 |
| 23 | 0.99859 | -0.30781 | -0.29218 | 0.99869 | 0.99812 | 0.99920 |
| 24 | 0.99850 | -0.30735 | -0.29302 | 0.99863 | 0.99804 | 0.99899 |
| 25 | 0.99851 | -0.30399 | -0.29060 | 0.99862 | 0.99802 | 0.99922 |
| 26 | 0.99844 | -0.30171 | -0.28929 | 0.99852 | 0.99792 | 0.99930 |
| 27 | 0.99830 | -0.30282 | -0.29117 | 0.99840 | 0.99779 | 0.99901 |
| 28 | 0.99832 | -0.30085 | -0.28997 | 0.99846 | 0.99779 | 0.99889 |
| 29 | 0.99828 | -0.29861 | -0.28835 | 0.99840 | 0.99771 | 0.99907 |

FINAL LEAKAGE RATE (% PER DAY) = -0.28835 INTERCEPT= 0.99997

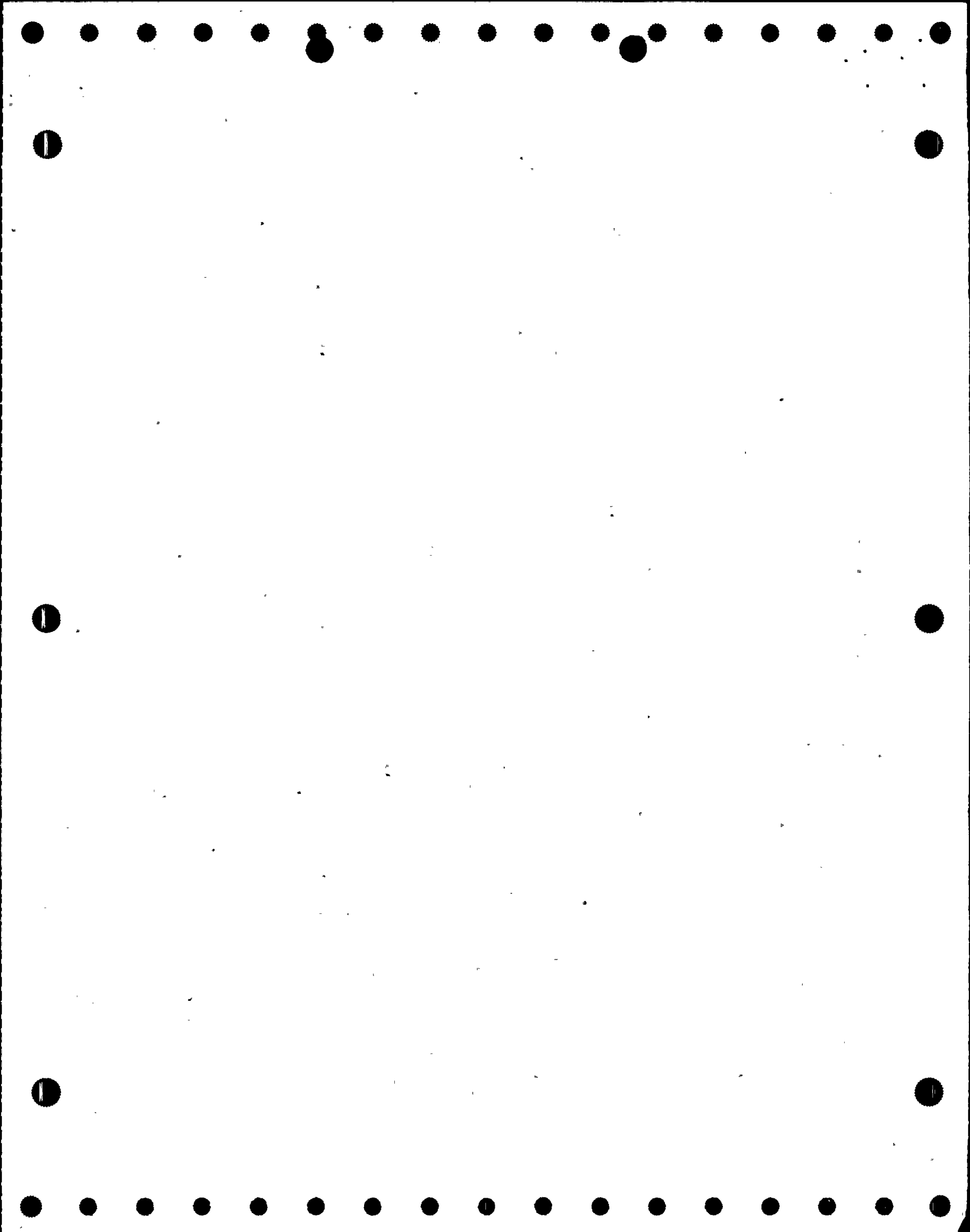
UPPER CONFIDENCE LIMIT FOR THE RATE IS -0.29861

SUPPLEMENTAL TEST COMPLETION CRITERIA MESSAGES

TYPE A LEAK RATE = -0.03407 (%/MT/DAY) IMPOSED LEAK RATE = -4.0700 (SCFM) = -0.2614 (%/MT/DAY)

TEST DURATION HAS EXCEEDED THE 6 HOUR MINIMUM

THE MEASURED COMPOSITE LEAKAGE MEETS RANGE REQUIREMENTS - SUPPLEMENTARY TESTING COMPLETED!



***** FIXED INPUT DATA *****

TEST START = RUN # 0 TEST END = RUN # 0
RTD MILLI-VOLT TO FAHRENHEIT CONVERSION COEFFICIENTS

| UPPER | | LOWER | | ICE | |
|-------|-----|-------|-----|------|-----|
| 2.00 | 0.0 | 2.00 | 0.0 | 2.00 | 0.0 |

HYGROMETER MILLI-VOLT TO FAHRENHEIT CONVERSION COEFFICIENTS

| UPPER-1 | | | LOWER-1 | | | ICE-1 | | |
|---------|---------|----------|---------|---------|----------|---------|---------|----------|
| 0.00053 | 1.97638 | -0.05018 | 0.00061 | 1.96939 | -0.01108 | 0.00069 | 1.96622 | -0.03787 |

| UPPER-2 | | | LOWER-2 | | | ICE-2 | | |
|---------|----------|----------|---------|---------|----------|-------|----------|----------|
| 0.0 | 18.00000 | 32.00000 | 0.00063 | 1.96888 | -0.00869 | 0.0 | 18.00000 | 32.00000 |

MANOMETER PRESSURE CORRECTION COEFFICIENTS

| W1 | R1 | W2 | R2 | W3 | R3 | W4 | R4 | W5 | R5 |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| PU-1 | | | | | | | | | |
| 34.9568 | 35.2180 | 29.9629 | 30.1800 | 24.9693 | 25.1380 | 19.9754 | 20.0950 | 14.9815 | 15.0680 |
| PU-2 | | | | | | | | | |
| 29.9632 | 29.9634 | 28.4652 | 28.4663 | 26.9671 | 26.9684 | 25.4689 | 25.4688 | 0.0 | 0.0 |
| PL-1 | | | | | | | | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PL-2 | | | | | | | | | |
| 29.9632 | 29.9648 | 28.4652 | 28.6466 | 26.9671 | 26.9688 | 25.4689 | 25.4694 | 0.0 | 0.0 |
| PI-1 | | | | | | | | | |
| 29.9632 | 29.9609 | 28.4652 | 28.4640 | 26.9671 | 26.9681 | 25.4689 | 25.4688 | 0.0 | 0.0 |
| PI-2 | | | | | | | | | |
| 29.9632 | 29.9618 | 28.4652 | 28.4656 | 26.9671 | 26.9685 | 25.4689 | 25.4689 | 0.0 | 0.0 |
| P-ATM | | | | | | | | | |
| 14.7020 | 14.7100 | 13.5010 | 13.5010 | 11.5010 | 11.4960 | 9.5020 | 9.5020 | 7.5020 | 7.5000 |

RTD WEIGHTING FACTORS

| UPPER | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| .0628 | .1161 | .0831 | .0831 | .0960 | .0960 | .0960 | .0960 | .0296 | .0296 |
| .0296 | .0296 | .0740 | .0105 | .0167 | .0513 | | | | |

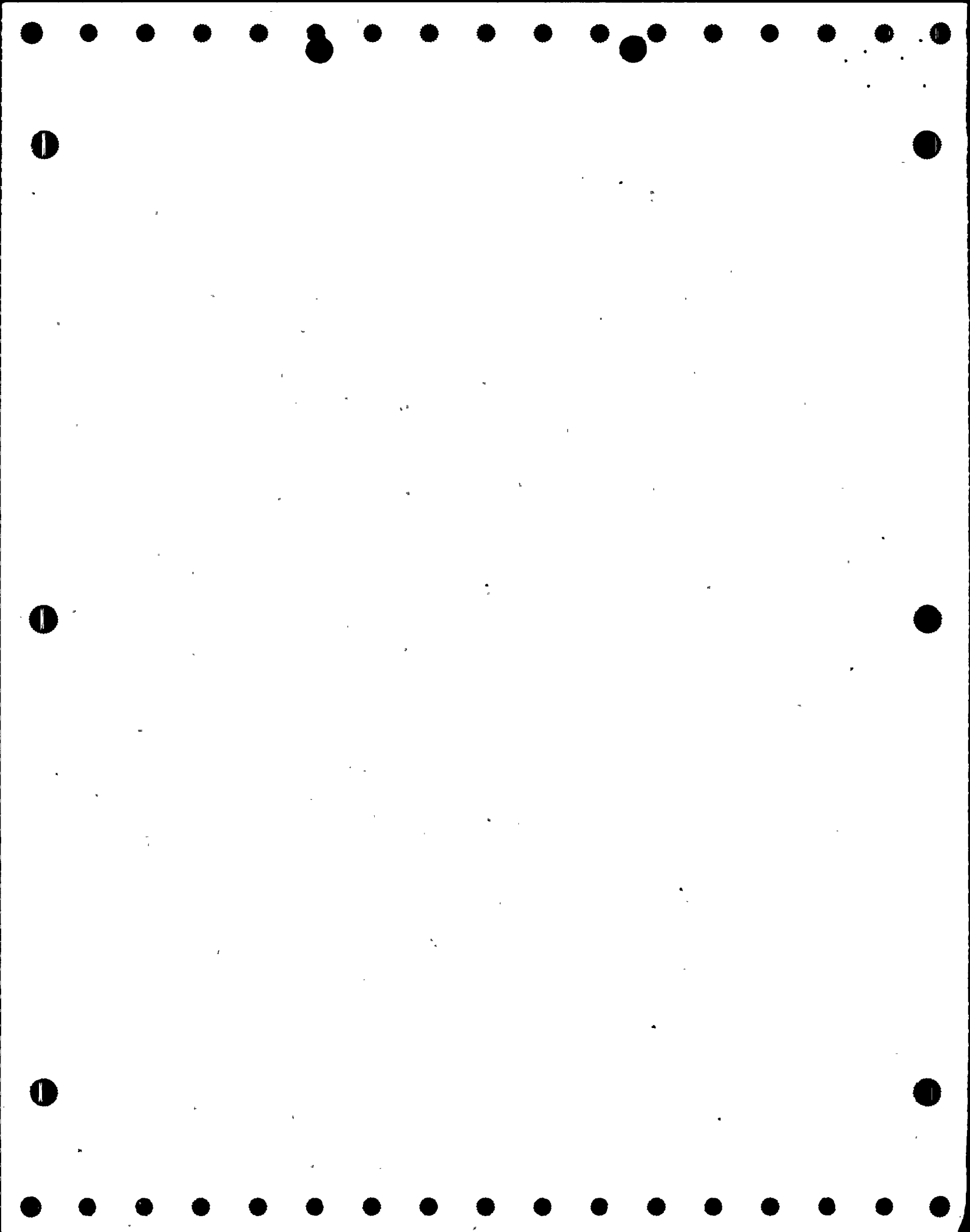
| LOWER | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| .0415 | .0415 | .0415 | .0415 | .0102 | .0284 | .0586 | .0086 | .0266 | .0586 |
| .1037 | .1037 | .1037 | .0500 | .0092 | .0244 | .0145 | .0170 | .0249 | .0219 |
| | | | | | | | | .0240 | .0423 |
| | | | | | | | | | .0 |

| ICE | | | |
|-------|-------|-------|-------|
| .0735 | .0735 | .0711 | .0711 |
| .2231 | .2789 | .2089 | |

VOLUME WEIGHTING FACTORS

| UPPER | LOWER | ICE |
|--------|--------|--------|
| 2.0144 | 1.0000 | 0.3713 |

TYPE C LEAKAGE PENALTY = -1625.20(SCCM); TYPE A MEASURED LEAK RATE = -0.03407 (%HT/DAY); IMPOSED LEAK RATE = -4.070 (SCFM)



RUN NUMBER 1
ELAPSED TIME 30.50

CONTAINMENT-TEMPERATURES-DATA-CHECK

| UPPER VOLUME | | | LOWER VOLUME | | | ICE CONDENSER | | |
|--------------|-------------|---------|--------------|-------------|---------|---------------|-------------|---------|
| RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. |
| ETR-101 | 39.74 | 79.48 | ETR-122 | 35.93 | 71.86 | ETR-115 | 9.62 | 19.24 |
| ETR-102 | 37.64 | 75.28 | ETR-123 | 36.65 | 73.30 | ETR-116 | 9.20 | 18.40 |
| ETR-103 | 35.66 | 71.32 | ETR-124 | 37.27 | 74.54 | ETR-117 | 8.93 | 17.86 |
| ETR-104 | 35.61 | 71.22 | ETR-125 | 36.01 | 72.02 | ETR-118 | 10.00 | 20.00 |
| ETR-105 | 35.99 | 71.98 | ETR-126 | 36.08 | 72.16 | ETR-119 | 8.34 | 16.68 |
| ETR-106 | 36.31 | 72.62 | ETR-127 | 33.90 | 67.80 | ETR-120 | 8.05 | 16.10 |
| ETR-107 | 35.87 | 71.74 | ETR-129 | 37.19 | 74.38 | ETR-121 | 8.53 | 17.06 |
| ETR-108 | 35.89 | 71.78 | ETR-130 | 35.65 | 71.30 | | | |
| ETR-109 | 35.56 | 71.12 | ETR-131 | 33.93 | 67.86 | | | |
| ETR-110 | 35.42 | 70.84 | ETR-132 | 37.65 | 75.30 | | | |
| ETR-111 | 35.54 | 71.08 | ETR-134 | 36.67 | 73.34 | | | |
| ETR-112 | 35.59 | 71.18 | ETR-135 | 36.60 | 73.20 | | | |
| ETR-114 | 34.83 | 69.66 | ETR-136 | 36.57 | 73.14 | | | |
| ETR-128 | 36.88 | 73.76 | ETR-137 | 36.28 | 72.56 | | | |
| ETR-133 | 34.37 | 68.74 | ETR-138 | 36.63 | 73.26 | | | |
| ETR-113 | 37.33 | 74.66 | ETR-139 | 33.93 | 67.86 | | | |
| | | | ETR-140 | 36.74 | 73.48 | | | |
| | | | ETR-141 | 37.38 | 74.76 | | | |
| | | | ETR-142 | 36.25 | 72.50 | | | |
| | | | ETR-143 | 37.63 | 75.26 | | | |
| | | | ETR-144 | 36.96 | 73.92 | | | |
| | | | ETR-145 | 41.60 | 83.20 | | | |
| | | | ETR-146 | 37.15 | 74.30 | | | |

SUMMARY OF WEIGHTED AVERAGE TEMPERATURES

| | | | | | |
|------------------------|--------|------------------------|--------|-------------------------|--------|
| UPPER VOLUME (DEG. F.) | 72.56 | LOWER VOLUME (DEG. F.) | 73.29 | ICE CONDENSER (DEG. F.) | 17.23 |
| UPPER VOLUME (DEG. R.) | 532.26 | LOWER VOLUME (DEG. R.) | 532.99 | ICE CONDENSER (DEG. R.) | 476.93 |

CONTAINMENT VAPOR PRESSURE DATA CHECK

| HYGROMETER | MILLI-VOLTS | DEW POINT (DEG. F.) | VAPOR PRESSURE (PSIA) |
|------------|-------------|---------------------|-----------------------|
| UPPER: | | | |
| VPU-1 | 16.81 | 33.32 | 0.0934 |
| VPU-2 | 0.0 | 32.00 | 0.0 |
| LOWER: | | | |
| VPL-1 | 19.28 | 38.19 | 0.1133 |
| VPL-2 | 18.57 | 36.77 | 0.1072 |
| ICE: | | | |
| VPI-1 | 8.61 | 16.95 | 0.0435 |
| VPI-2 | -1.03 | 13.46 | 0.0367 |

AVERAGE VAPOR PRESSURES

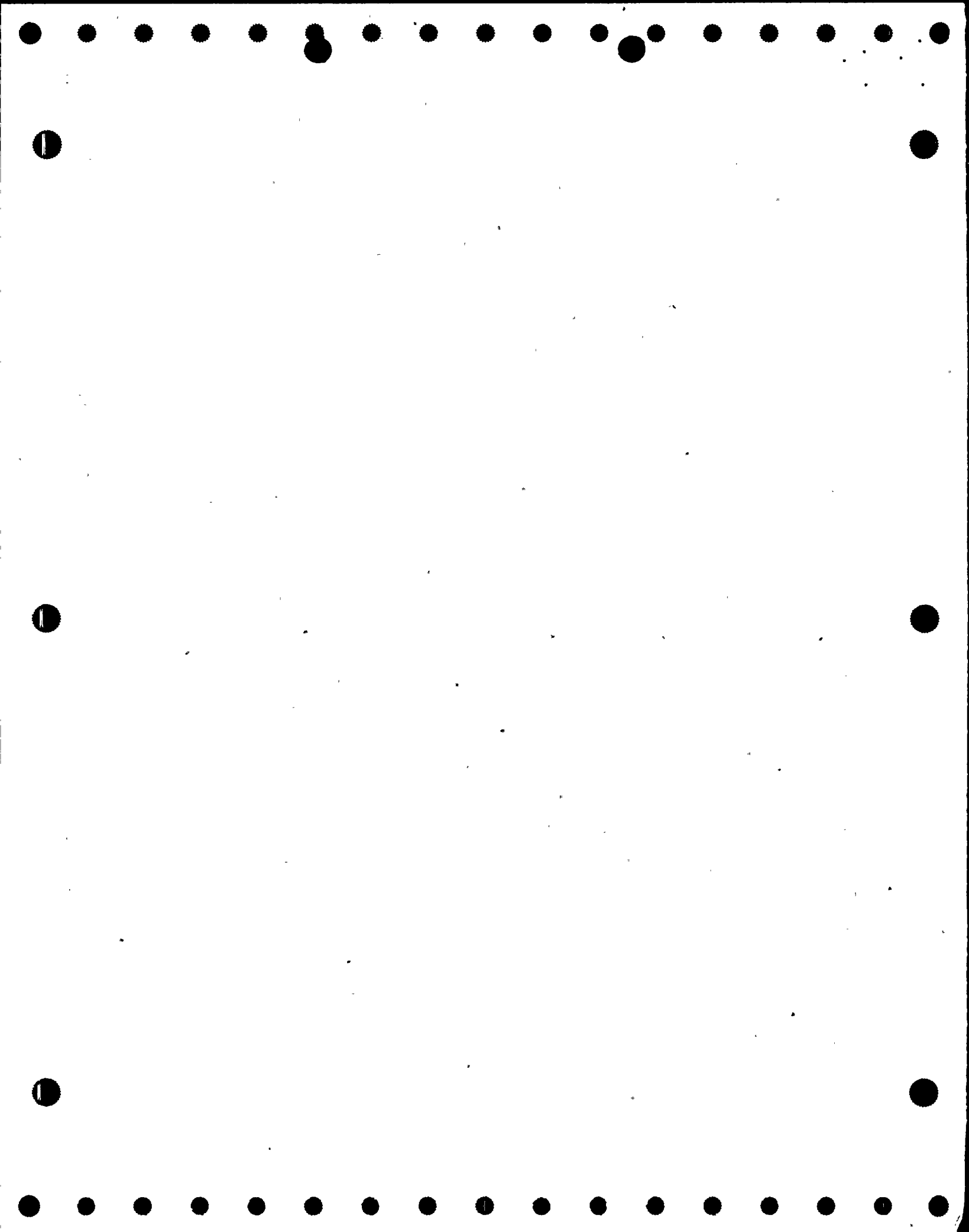
| | |
|--------------------------|--------|
| UPPER CONTAINMENT (PSIA) | 0.0934 |
| LOWER CONTAINMENT (PSIA) | 0.1102 |
| ICE CONDENSER (PSIA) | 0.0401 |

CONTAINMENT PRESSURES DATA CHECK

| MANOMETER | UNCORRECTED READING (PSIA) | CORRECTED READING (PSIA) |
|-----------|----------------------------|--------------------------|
| UPPER: | | |
| PU-1 | 27.0130 | 26.8263 |
| PU-2 | 26.8757 | 26.8745 |
| LOWER: | | |
| PL-1 | 0.0 | 0.0 |
| PL-2 | 26.8581 | 26.8565 |
| ICE: | | |
| PI-1 | 26.8778 | 26.8769 |
| PI-2 | 26.8958 | 26.8945 |
| AMBIENT | 14.4900 | 14.4835 |

SUMMARY OF CORRECTED AVERAGE PRESSURES

| | |
|---------------------------------------|---------|
| AVERAGE UPPER PRESSURE (PSIA) | 26.8504 |
| AVERAGE LOWER PRESSURE (PSIA) | 26.8565 |
| AVERAGE ICE CONDENSER PRESSURE (PSIA) | 26.8857 |
| AVERAGE CONTAINMENT PRESSURE (PSIA) | 26.8642 |
| AVERAGE CONTAINMENT PRESSURE (PSIG) | 12.3807 |



RUN NUMBER 2
ELAPSED TIME 31.00

CONTAINMENT TEMPERATURES DATA CHECK

| UPPER VOLUME | | | LOWER VOLUME | | | ICE CONDENSER | | |
|--------------|-------------|---------|--------------|-------------|---------|---------------|-------------|---------|
| RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. |
| ETR-101 | 39.73 | 79.46 | ETR-122 | 35.94 | 71.88 | ETR-115 | 9.34 | 18.68 |
| ETR-102 | 37.63 | 75.26 | ETR-123 | 36.66 | 73.32 | ETR-116 | 9.02 | 18.04 |
| ETR-103 | 35.66 | 71.32 | ETR-124 | 37.25 | 74.50 | ETR-117 | 8.70 | 17.40 |
| ETR-104 | 35.60 | 71.20 | ETR-125 | 35.99 | 71.98 | ETR-118 | 9.97 | 19.94 |
| ETR-105 | 36.02 | 72.04 | ETR-126 | 36.08 | 72.16 | ETR-119 | 8.35 | 16.70 |
| ETR-106 | 36.30 | 72.60 | ETR-127 | 33.94 | 67.88 | ETR-120 | 8.07 | 16.14 |
| ETR-107 | 35.90 | 71.80 | ETR-129 | 37.17 | 74.34 | ETR-121 | 8.46 | 16.92 |
| ETR-108 | 35.89 | 71.78 | ETR-130 | 35.65 | 71.30 | | | |
| ETR-109 | 35.61 | 71.22 | ETR-131 | 33.93 | 67.86 | | | |
| ETR-110 | 35.39 | 70.78 | ETR-132 | 37.66 | 75.32 | | | |
| ETR-111 | 35.54 | 71.08 | ETR-134 | 36.76 | 73.52 | | | |
| ETR-112 | 35.55 | 71.10 | ETR-135 | 36.59 | 73.18 | | | |
| ETR-114 | 34.86 | 69.72 | ETR-136 | 36.59 | 73.18 | | | |
| ETR-128 | 36.88 | 73.76 | ETR-137 | 36.28 | 72.56 | | | |
| ETR-133 | 34.36 | 68.72 | ETR-138 | 36.67 | 73.34 | | | |
| ETR-113 | 37.35 | 74.70 | ETR-139 | 33.93 | 67.86 | | | |
| | | | ETR-140 | 36.75 | 73.50 | | | |
| | | | ETR-141 | 37.38 | 74.76 | | | |
| | | | ETR-142 | 36.25 | 72.50 | | | |
| | | | ETR-143 | 37.63 | 75.26 | | | |
| | | | ETR-144 | 36.97 | 73.94 | | | |
| | | | ETR-145 | 41.57 | 83.14 | | | |
| | | | ETR-146 | 37.15 | 74.30 | | | |

SUMMARY OF WEIGHTED AVERAGE TEMPERATURES

| | | | | | |
|------------------------|--------|------------------------|--------|-------------------------|--------|
| UPPER VOLUME (DEG. F.) | 72.57 | LOWER VOLUME (DEG. F.) | 73.32 | ICE CONDENSER (DEG. F.) | 17.12 |
| UPPER VOLUME (DEG. R.) | 532.27 | LOWER VOLUME (DEG. R.) | 533.02 | ICE CONDENSER (DEG. R.) | 476.82 |

CONTAINMENT VAPOR PRESSURE DATA CHECK

| HYGROMETER | MILLI-VOLTS | DEN POINT (DEG. F.) | VAPOR PRESSURE (PSIA) |
|------------|-------------|---------------------|-----------------------|
| UPPER: | | | |
| VPU-1 | 16.81 | 33.32 | 0.0934 |
| VPU-2 | 0.0 | 32.00 | 0.0 |
| LOWER: | | | |
| VPL-1 | 19.35 | 38.33 | 0.1139 |
| VPL-2 | 18.59 | 36.81 | 0.1073 |
| ICE: | | | |
| VPI-1 | 7.81 | 15.36 | 0.0403 |
| VPI-2 | -1.14 | 11.48 | 0.0332 |

AVERAGE VAPOR PRESSURES

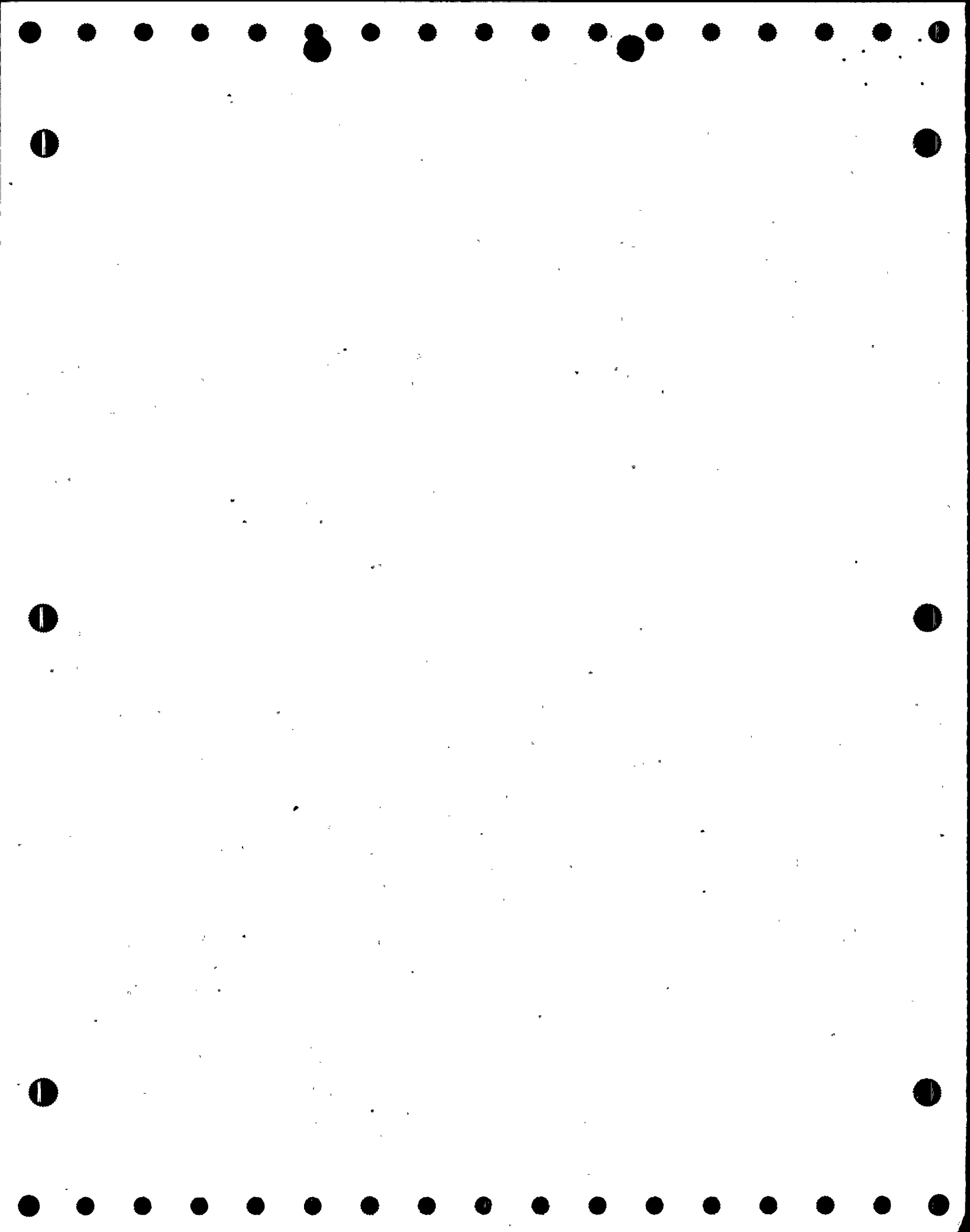
| | |
|--------------------------|--------|
| UPPER CONTAINMENT (PSIA) | 0.0934 |
| LOWER CONTAINMENT (PSIA) | 0.1106 |
| ICE CONDENSER (PSIA) | 0.0368 |

CONTAINMENT PRESSURES DATA CHECK

| MANOMETER | UNCORRECTED READING (PSIA) | CORRECTED READING (PSIA) |
|-----------|----------------------------|--------------------------|
| UPPER: | | |
| PU-1 | 27.0101 | 26.8234 |
| PU-2 | 26.8739 | 26.8727 |
| LOWER: | | |
| PL-1 | 0.0 | 0.0 |
| PL-2 | 26.8561 | 26.8545 |
| ICE: | | |
| PI-1 | 26.8759 | 26.8750 |
| PI-2 | 26.8932 | 26.8919 |
| AMBIENT | 14.4800 | 14.4735 |

SUMMARY OF CORRECTED AVERAGE PRESSURES

| | |
|---------------------------------------|---------|
| AVERAGE UPPER PRESSURE (PSIA) | 26.8481 |
| AVERAGE LOWER PRESSURE (PSIA) | 26.8545 |
| AVERAGE ICE CONDENSER PRESSURE (PSIA) | 26.8834 |
| AVERAGE CONTAINMENT PRESSURE (PSIA) | 26.8620 |
| AVERAGE CONTAINMENT PRESSURE (PSIG) | 12.3885 |



III
RUN NUMBER 3
ELAPSED TIME 31.50

CONTAINMENT TEMPERATURES DATA CHECK

| UPPER VOLUME | | | LOWER VOLUME | | | ICE CONDENSER | | |
|--------------|-------------|---------|--------------|-------------|---------|---------------|-------------|---------|
| RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. |
| ETR-101 | 39.72 | 79.44 | ETR-122 | 35.91 | 71.82 | ETR-115 | 9.16 | 18.32 |
| ETR-102 | 37.62 | 75.24 | ETR-123 | 36.67 | 73.34 | ETR-116 | 9.04 | 18.08 |
| ETR-103 | 35.64 | 71.28 | ETR-124 | 37.25 | 74.50 | ETR-117 | 8.68 | 17.36 |
| ETR-104 | 35.57 | 71.14 | ETR-125 | 36.04 | 72.08 | ETR-118 | 9.95 | 19.90 |
| ETR-105 | 36.00 | 72.00 | ETR-126 | 36.10 | 72.20 | ETR-119 | 8.36 | 16.72 |
| ETR-106 | 36.29 | 72.58 | ETR-127 | 33.97 | 67.94 | ETR-120 | 8.10 | 16.20 |
| ETR-107 | 35.87 | 71.74 | ETR-129 | 37.16 | 74.32 | ETR-121 | 8.51 | 17.02 |
| ETR-108 | 35.87 | 71.74 | ETR-130 | 35.65 | 71.30 | | | |
| ETR-109 | 35.61 | 71.22 | ETR-131 | 33.94 | 67.88 | | | |
| ETR-110 | 35.43 | 70.86 | ETR-132 | 37.66 | 75.32 | | | |
| ETR-111 | 35.55 | 71.10 | ETR-134 | 36.65 | 73.30 | | | |
| ETR-112 | 35.58 | 71.16 | ETR-135 | 36.55 | 73.10 | | | |
| ETR-114 | 34.84 | 69.68 | ETR-136 | 36.63 | 73.26 | | | |
| ETR-128 | 36.89 | 73.78 | ETR-137 | 36.27 | 72.54 | | | |
| ETR-133 | 34.36 | 68.72 | ETR-138 | 36.68 | 73.36 | | | |
| ETR-113 | 37.31 | 74.62 | ETR-139 | 33.95 | 67.90 | | | |
| | | | ETR-140 | 36.75 | 73.50 | | | |
| | | | ETR-141 | 37.38 | 74.76 | | | |
| | | | ETR-142 | 36.26 | 72.52 | | | |
| | | | ETR-143 | 37.64 | 75.28 | | | |
| | | | ETR-144 | 36.97 | 73.94 | | | |
| | | | ETR-145 | 41.59 | 83.18 | | | |
| | | | ETR-146 | 37.15 | 74.30 | | | |

SUMMARY OF WEIGHTED AVERAGE TEMPERATURES

| | | | | | |
|------------------------|--------|------------------------|--------|-------------------------|--------|
| UPPER VOLUME (DEG. F.) | 72.54 | LOWER VOLUME (DEG. F.) | 73.30 | ICE CONDENSER (DEG. F.) | 17.13 |
| UPPER VOLUME (DEG. R.) | 532.24 | LOWER VOLUME (DEG. R.) | 533.00 | ICE CONDENSER (DEG. R.) | 476.83 |

CONTAINMENT VAPOR PRESSURE DATA CHECK

| HYGROMETER | MILLI-VOLTS | DEW POINT (DEG. F.) | VAPOR PRESSURE (PSIA) |
|------------|-------------|---------------------|-----------------------|
| UPPER: | | | |
| VPU-1 | 16.82 | 33.34 | 0.0935 |
| VPU-2 | 0.0 | 32.00 | 0.0 |
| LOWER: | | | |
| VPL-1 | 19.42 | 38.47 | 0.1146 |
| VPL-2 | 18.61 | 36.85 | 0.1075 |
| ICE: | | | |
| VPI-1 | 8.80 | 17.31 | 0.0443 |
| VPI-2 | -1.04 | 13.28 | 0.0364 |

AVERAGE VAPOR PRESSURES

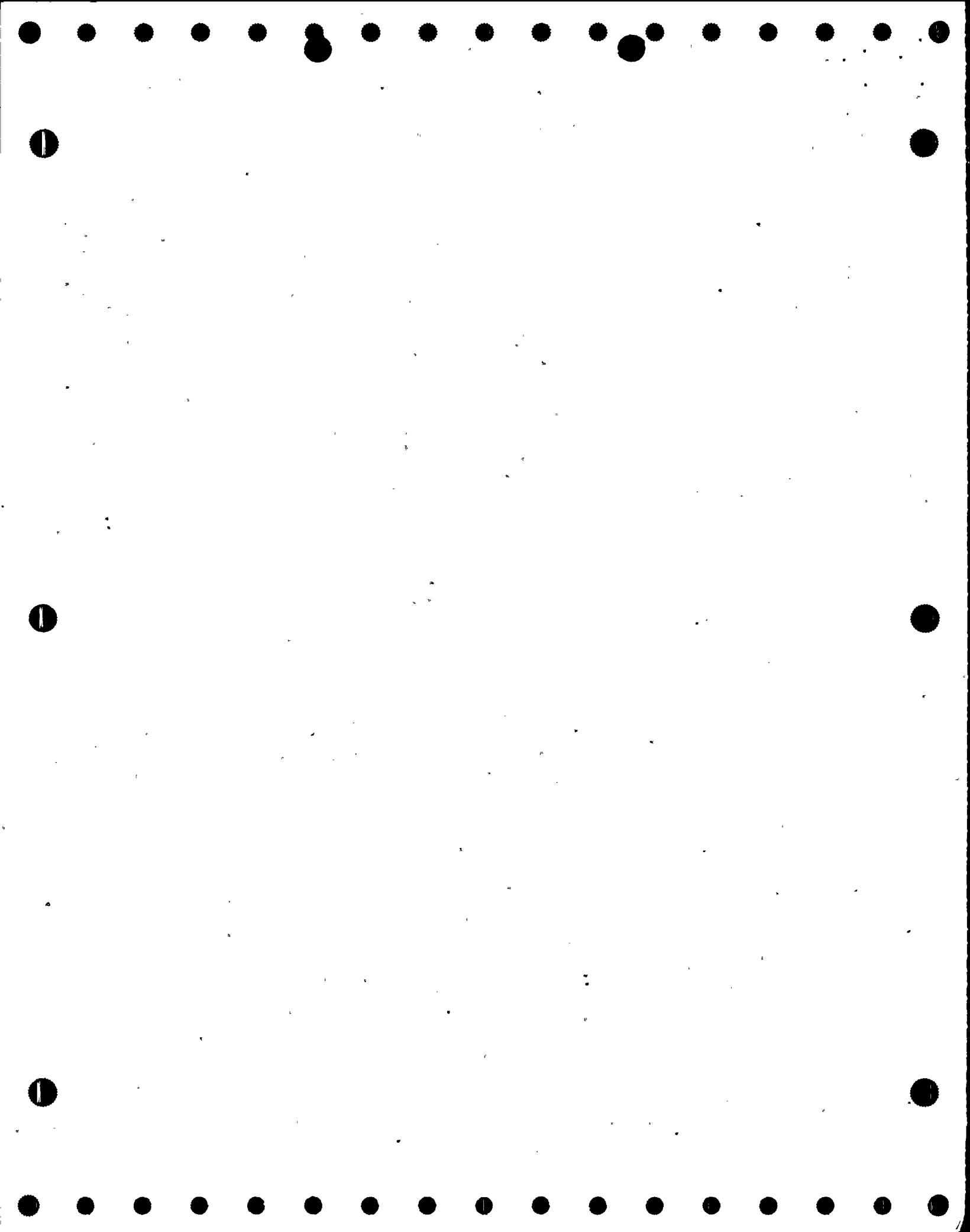
| | |
|--------------------------|--------|
| UPPER CONTAINMENT (PSIA) | 0.0935 |
| LOWER CONTAINMENT (PSIA) | 0.1110 |
| ICE CONDENSER (PSIA) | 0.0403 |

CONTAINMENT PRESSURES DATA CHECK

| MANOMETER | UNCORRECTED READING (PSIA) | CORRECTED READING (PSIA) |
|-----------|----------------------------|--------------------------|
| UPPER: | | |
| PU-1 | 27.0090 | 26.8223 |
| PU-2 | 26.8740 | 26.8728 |
| LOWER: | | |
| PL-1 | 0.0 | 0.0 |
| PL-2 | 26.8545 | 26.8529 |
| ICE: | | |
| PI-1 | 26.8741 | 26.8732 |
| PI-2 | 26.8894 | 26.8881 |
| AMBIENT | 14.4900 | 14.4835 |

SUMMARY OF CORRECTED AVERAGE PRESSURES

| | |
|---------------------------------------|---------|
| AVERAGE UPPER PRESSURE (PSIA) | 26.8476 |
| AVERAGE LOWER PRESSURE (PSIA) | 26.8529 |
| AVERAGE ICE CONDENSER PRESSURE (PSIA) | 26.8806 |
| AVERAGE CONTAINMENT PRESSURE (PSIA) | 26.8604 |
| AVERAGE CONTAINMENT PRESSURE (PSIG) | 12.3769 |



RUN NUMBER 4
ELAPSED TIME 32.00

CONTAINMENT-TEMPERATURES-DATA-CHECK

| UPPER VOLUME | | | LOWER VOLUME | | | ICE CONDENSER | | |
|--------------|-------------|---------|--------------|-------------|---------|---------------|-------------|---------|
| RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. |
| ETR-101 | 39.70 | 79.40 | ETR-122 | 35.95 | 71.90 | ETR-115 | 9.23 | 18.46 |
| ETR-102 | 37.61 | 75.22 | ETR-123 | 36.66 | 73.32 | ETR-116 | 9.20 | 18.40 |
| ETR-103 | 35.65 | 71.30 | ETR-124 | 37.31 | 74.62 | ETR-117 | 8.92 | 17.84 |
| ETR-104 | 35.60 | 71.20 | ETR-125 | 36.01 | 72.02 | ETR-118 | 10.65 | 21.30 |
| ETR-105 | 35.99 | 71.98 | ETR-126 | 36.10 | 72.20 | ETR-119 | 8.36 | 16.72 |
| ETR-106 | 36.29 | 72.58 | ETR-127 | 33.91 | 67.82 | ETR-120 | 8.10 | 16.20 |
| ETR-107 | 35.88 | 71.76 | ETR-129 | 37.17 | 74.34 | ETR-121 | 8.49 | 16.98 |
| ETR-108 | 35.83 | 71.66 | ETR-130 | 35.66 | 71.32 | | | |
| ETR-109 | 35.56 | 71.12 | ETR-131 | 33.94 | 67.88 | | | |
| ETR-110 | 35.48 | 70.96 | ETR-132 | 37.68 | 75.36 | | | |
| ETR-111 | 35.56 | 71.12 | ETR-134 | 36.76 | 73.52 | | | |
| ETR-112 | 35.60 | 71.20 | ETR-135 | 36.59 | 73.18 | | | |
| ETR-114 | 34.85 | 69.70 | ETR-136 | 36.66 | 73.32 | | | |
| ETR-128 | 36.91 | 73.82 | ETR-137 | 36.28 | 72.56 | | | |
| ETR-133 | 34.38 | 68.76 | ETR-138 | 36.72 | 73.44 | | | |
| ETR-113 | 37.34 | 74.68 | ETR-139 | 33.94 | 67.88 | | | |
| | | | ETR-140 | 36.75 | 73.50 | | | |
| | | | ETR-141 | 37.39 | 74.78 | | | |
| | | | ETR-142 | 36.28 | 72.56 | | | |
| | | | ETR-143 | 37.66 | 75.32 | | | |
| | | | ETR-144 | 36.98 | 73.96 | | | |
| | | | ETR-145 | 41.56 | 83.12 | | | |
| | | | ETR-146 | 37.15 | 74.30 | | | |

SUMMARY OF WEIGHTED AVERAGE TEMPERATURES

| | | | | | |
|------------------------|--------|------------------------|--------|-------------------------|--------|
| UPPER VOLUME (DEG. F.) | 72.54 | LOWER VOLUME (DEG. F.) | 73.35 | ICE CONDENSER (DEG. F.) | 17.29 |
| UPPER VOLUME (DEG. R.) | 532.24 | LOWER VOLUME (DEG. R.) | 533.05 | ICE CONDENSER (DEG. R.) | 476.99 |

CONTAINMENT VAPOR PRESSURE DATA CHECK

| HYGROMETER | MILLI-VOLTS | DEW POINT (DEG. F.) | VAPOR PRESSURE (PSIA) |
|------------|-------------|---------------------|-----------------------|
| UPPER: | | | |
| VPU-1 | 16.79 | 33.28 | 0.0933 |
| VPU-2 | 0.0 | 32.00 | 0.0 |
| LOWER: | | | |
| VPL-1 | 19.50 | 38.63 | 0.1153 |
| VPL-2 | 18.61 | 36.85 | 0.1075 |
| ICE: | | | |
| VPI-1 | 9.18 | 18.07 | 0.0460 |
| VPI-2 | -1.02 | 13.64 | 0.0370 |

CONTAINMENT PRESSURES DATA CHECK

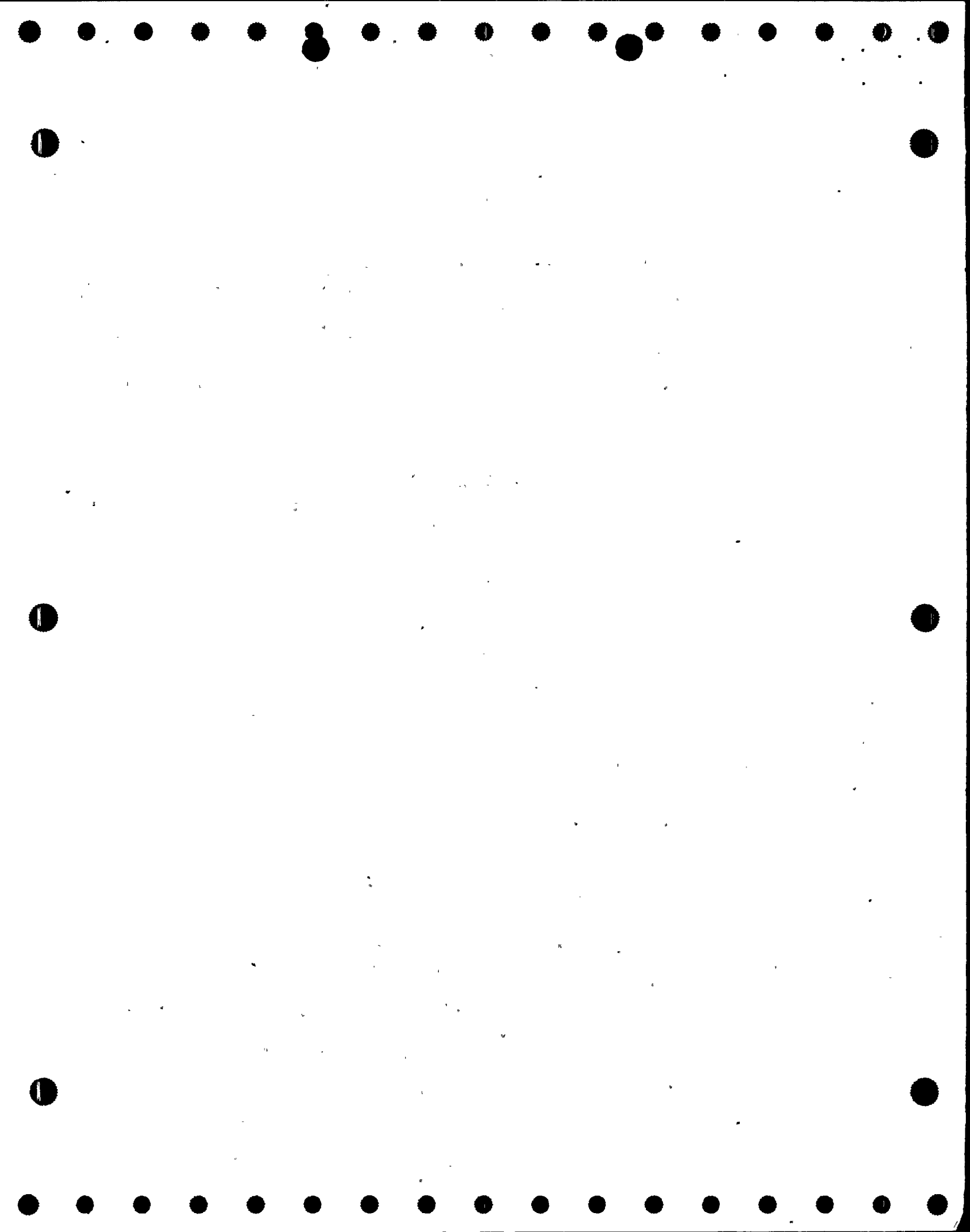
| MANOMETER | UNCORRECTED READING (PSIA) | CORRECTED READING (PSIA) |
|-----------|----------------------------|--------------------------|
| UPPER: | | |
| PU-1 | 27.0080 | 26.8214 |
| PU-2 | 26.8714 | 26.8702 |
| LOWER: | | |
| PL-1 | 0.0 | 0.0 |
| PL-2 | 26.8529 | 26.8513 |
| ICE: | | |
| PI-1 | 26.8726 | 26.8717 |
| PI-2 | 26.8880 | 26.8867 |
| AMBIENT | 14.4900 | 14.4835 |

AVERAGE VAPOR PRESSURES

| | |
|--------------------------|--------|
| UPPER CONTAINMENT (PSIA) | 0.0933 |
| LOWER CONTAINMENT (PSIA) | 0.1114 |
| ICE CONDENSER (PSIA) | 0.0415 |

SUMMARY OF CORRECTED AVERAGE PRESSURES

| | |
|---------------------------------------|---------|
| AVERAGE UPPER PRESSURE (PSIA) | 26.8458 |
| AVERAGE LOWER PRESSURE (PSIA) | 26.8513 |
| AVERAGE ICE CONDENSER PRESSURE (PSIA) | 26.8792 |
| AVERAGE CONTAINMENT PRESSURE (PSIA) | 26.8588 |
| AVERAGE CONTAINMENT PRESSURE (PSIG) | 12.3753 |



RUN NUMBER 5
ELAPSED TIME 32.50

CONTAINMENT TEMPERATURES DATA CHECK

| UPPER VOLUME | | | LOWER VOLUME | | | ICE CONDENSER | | |
|--------------|-------------|---------|--------------|-------------|---------|---------------|-------------|---------|
| RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. |
| ETR-101 | 39.69 | 79.38 | ETR-122 | 35.92 | 71.84 | ETR-115 | 9.15 | 18.30 |
| ETR-102 | 37.60 | 75.20 | ETR-123 | 36.66 | 73.32 | ETR-116 | 9.07 | 18.14 |
| ETR-103 | 35.62 | 71.24 | ETR-124 | 37.29 | 74.58 | ETR-117 | 8.75 | 17.50 |
| ETR-104 | 35.58 | 71.16 | ETR-125 | 36.04 | 72.08 | ETR-118 | 10.84 | 21.68 |
| ETR-105 | 35.96 | 71.92 | ETR-126 | 36.12 | 72.24 | ETR-119 | 8.35 | 16.70 |
| ETR-106 | 36.28 | 72.56 | ETR-127 | 33.93 | 67.86 | ETR-120 | 8.07 | 16.14 |
| ETR-107 | 35.86 | 71.72 | ETR-129 | 37.17 | 74.34 | ETR-121 | 8.46 | 16.92 |
| ETR-108 | 35.84 | 71.68 | ETR-130 | 35.64 | 71.28 | | | |
| ETR-109 | 35.64 | 71.28 | ETR-131 | 33.91 | 67.82 | | | |
| ETR-110 | 35.46 | 70.92 | ETR-132 | 37.69 | 75.38 | | | |
| ETR-111 | 35.57 | 71.14 | ETR-134 | 36.67 | 73.34 | | | |
| ETR-112 | 35.56 | 71.12 | ETR-135 | 36.57 | 73.14 | | | |
| ETR-114 | 34.85 | 69.70 | ETR-136 | 36.69 | 73.38 | | | |
| ETR-128 | 36.88 | 73.76 | ETR-137 | 36.27 | 72.54 | | | |
| ETR-133 | 34.36 | 68.72 | ETR-138 | 36.73 | 73.46 | | | |
| ETR-113 | 37.29 | 74.58 | ETR-139 | 33.95 | 67.90 | | | |
| | | | ETR-140 | 36.76 | 73.52 | | | |
| | | | ETR-141 | 37.41 | 74.82 | | | |
| | | | ETR-142 | 36.29 | 72.58 | | | |
| | | | ETR-143 | 37.66 | 75.32 | | | |
| | | | ETR-144 | 36.99 | 73.98 | | | |
| | | | ETR-145 | 41.60 | 83.20 | | | |
| | | | ETR-146 | 37.16 | 74.32 | | | |

SUMMARY OF WEIGHTED AVERAGE TEMPERATURES

| | | | | | |
|------------------------|--------|------------------------|--------|-------------------------|--------|
| UPPER VOLUME (DEG. F.) | 72.51 | LOWER VOLUME (DEG. F.) | 73.33 | ICE CONDENSER (DEG. F.) | 17.23 |
| UPPER VOLUME (DEG. R.) | 532.21 | LOWER VOLUME (DEG. R.) | 533.03 | ICE CONDENSER (DEG. R.) | 476.93 |

CONTAINMENT VAPOR PRESSURE DATA CHECK

| HYGROMETER | MILLI-VOLTS | DEW POINT (DEG. F.) | VAPOR PRESSURE (PSIA) |
|------------|-------------|---------------------|-----------------------|
| UPPER: | | | |
| VPU-1 | 16.88 | 33.46 | 0.0939 |
| VPU-2 | 0.0 | 32.00 | 0.0 |
| LOWER: | | | |
| VPL-1 | 19.58 | 38.78 | 0.1160 |
| VPL-2 | 18.60 | 36.83 | 0.1074 |
| ICE: | | | |
| VPI-1 | 8.30 | 16.32 | 0.0422 |
| VPI-2 | -1.32 | 8.24 | 0.0283 |

AVERAGE VAPOR PRESSURES

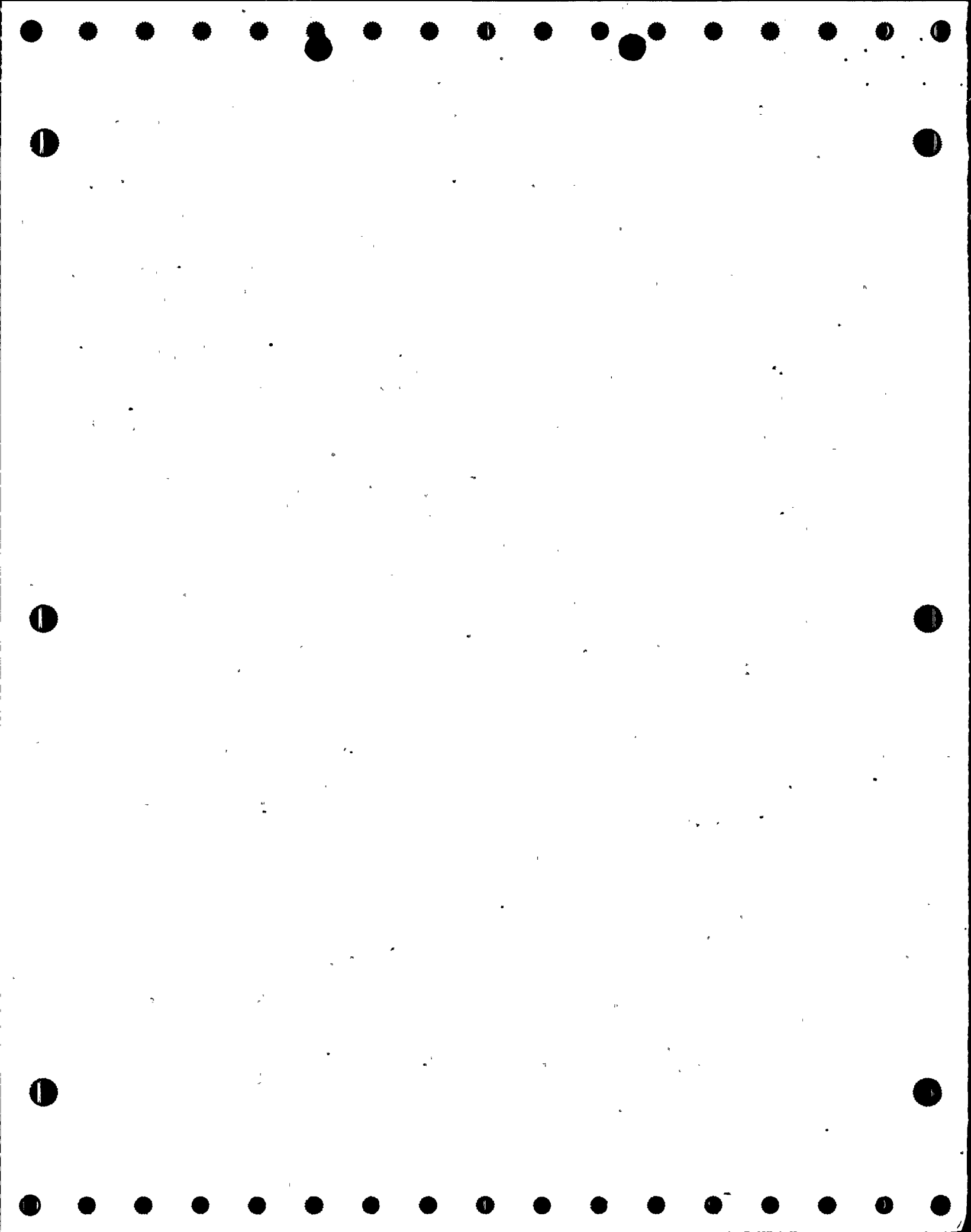
| | |
|--------------------------|--------|
| UPPER CONTAINMENT (PSIA) | 0.0939 |
| LOWER CONTAINMENT (PSIA) | 0.1117 |
| ICE CONDENSER (PSIA) | 0.0352 |

CONTAINMENT PRESSURES DATA CHECK

| MANOMETER | UNCORRECTED READING (PSIA) | CORRECTED READING (PSIA) |
|-----------|----------------------------|--------------------------|
| UPPER: | | |
| PU-1 | 27.0060 | 26.8194 |
| PU-2 | 26.8694 | 26.8682 |
| LOWER: | | |
| PL-1 | 0.0 | 0.0 |
| PL-2 | 26.8510 | 26.8494 |
| ICE: | | |
| PI-1 | 26.8706 | 26.8697 |
| PI-2 | 26.8860 | 26.8847 |
| AMBIENT | 14.4900 | 14.4835 |

SUMMARY OF CORRECTED AVERAGE PRESSURES

| | |
|---------------------------------------|---------|
| AVERAGE UPPER PRESSURE (PSIA) | 26.8438 |
| AVERAGE LOWER PRESSURE (PSIA) | 26.8494 |
| AVERAGE ICE CONDENSER PRESSURE (PSIA) | 26.8772 |
| AVERAGE CONTAINMENT PRESSURE (PSIA) | 26.8568 |
| AVERAGE CONTAINMENT PRESSURE (PSIG) | 12.3733 |



RUN NUMBER 6
ELAPSED TIME 33.00

CONTAINMENT-TEMPERATURES-DATA-CHECK

| UPPER VOLUME | | | LOWER VOLUME | | | ICE CONDENSER | | |
|--------------|-------------|---------|--------------|-------------|---------|---------------|-------------|---------|
| RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. |
| ETR-101 | 39.71 | 79.42 | ETR-122 | 35.94 | 71.88 | ETR-115 | 9.02 | 18.04 |
| ETR-102 | 37.59 | 75.18 | ETR-123 | 36.68 | 73.36 | ETR-116 | 9.07 | 18.14 |
| ETR-103 | 35.63 | 71.26 | ETR-124 | 37.32 | 74.64 | ETR-117 | 8.73 | 17.46 |
| ETR-104 | 35.57 | 71.14 | ETR-125 | 36.02 | 72.04 | ETR-118 | 10.24 | 20.48 |
| ETR-105 | 35.98 | 71.96 | ETR-126 | 36.12 | 72.24 | ETR-119 | 8.36 | 16.72 |
| ETR-106 | 36.27 | 72.54 | ETR-127 | 33.90 | 67.80 | ETR-120 | 8.09 | 16.18 |
| ETR-107 | 35.84 | 71.68 | ETR-129 | 37.21 | 74.42 | ETR-121 | 8.42 | 16.84 |
| ETR-108 | 35.84 | 71.68 | ETR-130 | 35.65 | 71.30 | | | |
| ETR-109 | 35.54 | 71.08 | ETR-131 | 33.91 | 67.82 | | | |
| ETR-110 | 35.51 | 71.02 | ETR-132 | 37.70 | 75.40 | | | |
| ETR-111 | 35.56 | 71.12 | ETR-134 | 36.73 | 73.46 | | | |
| ETR-112 | 35.59 | 71.18 | ETR-135 | 36.62 | 73.24 | | | |
| ETR-114 | 34.87 | 69.74 | ETR-136 | 36.67 | 73.34 | | | |
| ETR-128 | 36.90 | 73.80 | ETR-137 | 36.29 | 72.58 | | | |
| ETR-133 | 34.36 | 68.72 | ETR-138 | 36.74 | 73.48 | | | |
| ETR-113 | 37.30 | 74.60 | ETR-139 | 33.95 | 67.90 | | | |
| | | | ETR-140 | 36.77 | 73.54 | | | |
| | | | ETR-141 | 37.41 | 74.82 | | | |
| | | | ETR-142 | 36.28 | 72.56 | | | |
| | | | ETR-143 | 37.67 | 75.34 | | | |
| | | | ETR-144 | 36.98 | 73.96 | | | |
| | | | ETR-145 | 41.60 | 83.20 | | | |
| | | | ETR-146 | 37.17 | 74.34 | | | |

SUMMARY OF WEIGHTED AVERAGE TEMPERATURES

| | | | | | |
|------------------------|--------|------------------------|--------|-------------------------|--------|
| UPPER VOLUME (DEG. F.) | 72.51 | LOWER VOLUME (DEG. F.) | 73.37 | ICE CONDENSER (DEG. F.) | 17.12 |
| UPPER VOLUME (DEG. R.) | 532.21 | LOWER VOLUME (DEG. R.) | 533.07 | ICE CONDENSER (DEG. R.) | 476.82 |

CONTAINMENT VAPOR PRESSURE DATA CHECK

| | MILLI-VOLTS | DEW POINT (DEG. F.) | VAPOR PRESSURE (PSIA) |
|--------|-------------|---------------------|-----------------------|
| UPPER: | | | |
| VPU-1 | 16.81 | 33.32 | 0.0934 |
| VPU-2 | 0.0 | 32.00 | 0.0 |
| LOWER: | | | |
| VPL-1 | 19.65 | 38.92 | 0.1166 |
| VPL-2 | 18.59 | 36.81 | 0.1073 |
| ICE: | | | |
| VPI-1 | 8.99 | 17.69 | 0.0451 |
| VPI-2 | -1.20 | 10.40 | 0.0315 |

AVERAGE VAPOR PRESSURES

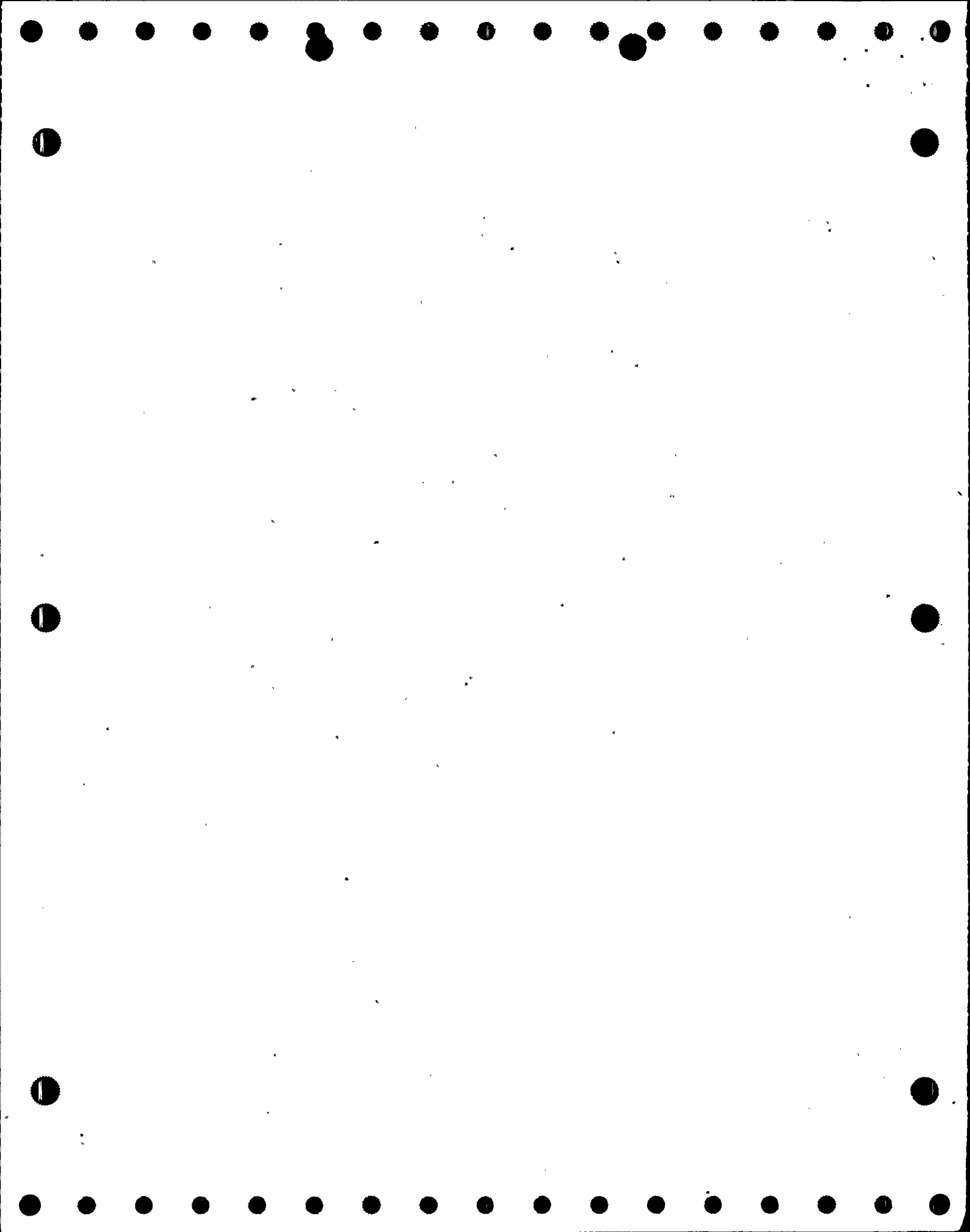
| | |
|--------------------------|--------|
| UPPER CONTAINMENT (PSIA) | 0.0934 |
| LOWER CONTAINMENT (PSIA) | 0.1120 |
| ICE CONDENSER (PSIA) | 0.0383 |

CONTAINMENT PRESSURES DATA CHECK

| MANOMETER | UNCORRECTED READING (PSIA) | CORRECTED READING (PSIA) |
|-----------|----------------------------|--------------------------|
| UPPER: | | |
| PU-1 | 27.0050 | 26.8184 |
| PU-2 | 26.8689 | 26.8677 |
| LOWER: | | |
| PL-1 | 0.0 | 0.0 |
| PL-2 | 26.8503 | 26.8487 |
| ICE: | | |
| PI-1 | 26.8700 | 26.8691 |
| PI-2 | 26.8857 | 26.8844 |
| AMBIENT | 14.5000 | 14.4934 |

SUMMARY OF CORRECTED AVERAGE PRESSURES

| | |
|---------------------------------------|---------|
| AVERAGE UPPER PRESSURE (PSIA) | 26.8430 |
| AVERAGE LOWER PRESSURE (PSIA) | 26.8487 |
| AVERAGE ICE CONDENSER PRESSURE (PSIA) | 26.8767 |
| AVERAGE CONTAINMENT PRESSURE (PSIA) | 26.8562 |
| AVERAGE CONTAINMENT PRESSURE (PSIG) | 12.3628 |



RUN NUMBER 7
ELAPSED TIME 33.50

CONTAINMENT TEMPERATURES DATA CHECK

| UPPER VOLUME | | | LOWER VOLUME | | | ICE CONDENSER | | |
|--------------|-------------|---------|--------------|-------------|---------|---------------|-------------|---------|
| RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. |
| ETR-101 | 39.67 | 79.34 | ETR-122 | 35.93 | 71.86 | ETR-115 | 9.23 | 18.46 |
| ETR-102 | 37.58 | 75.16 | ETR-123 | 36.73 | 73.46 | ETR-116 | 9.01 | 18.02 |
| ETR-103 | 35.63 | 71.26 | ETR-124 | 37.31 | 74.62 | ETR-117 | 8.62 | 17.24 |
| ETR-104 | 35.57 | 71.14 | ETR-125 | 36.05 | 72.10 | ETR-118 | 9.92 | 19.84 |
| ETR-105 | 35.99 | 71.98 | ETR-126 | 36.13 | 72.26 | ETR-119 | 8.35 | 16.70 |
| ETR-106 | 36.26 | 72.52 | ETR-127 | 33.89 | 67.78 | ETR-120 | 8.06 | 16.12 |
| ETR-107 | 35.84 | 71.68 | ETR-129 | 37.21 | 74.42 | ETR-121 | 8.47 | 16.94 |
| ETR-108 | 35.83 | 71.66 | ETR-130 | 35.66 | 71.32 | | | |
| ETR-109 | 35.56 | 71.12 | ETR-131 | 33.92 | 67.84 | | | |
| ETR-110 | 35.53 | 71.06 | ETR-132 | 37.71 | 75.42 | | | |
| ETR-111 | 35.56 | 71.12 | ETR-134 | 36.82 | 73.64 | | | |
| ETR-112 | 35.55 | 71.10 | ETR-135 | 36.67 | 73.34 | | | |
| ETR-114 | 34.83 | 69.66 | ETR-136 | 36.68 | 73.36 | | | |
| ETR-128 | 36.92 | 73.84 | ETR-137 | 36.37 | 72.74 | | | |
| ETR-133 | 34.38 | 68.76 | ETR-138 | 36.74 | 73.48 | | | |
| ETR-113 | 37.49 | 74.98 | ETR-139 | 33.96 | 67.92 | | | |
| | | | ETR-140 | 36.77 | 73.54 | | | |
| | | | ETR-141 | 37.41 | 74.82 | | | |
| | | | ETR-142 | 36.29 | 72.58 | | | |
| | | | ETR-143 | 37.68 | 75.36 | | | |
| | | | ETR-144 | 37.00 | 74.00 | | | |
| | | | ETR-145 | 41.60 | 83.20 | | | |
| | | | ETR-146 | 37.16 | 74.32 | | | |

SUMMARY OF WEIGHTED AVERAGE TEMPERATURES

| | | | | | |
|------------------------|--------|------------------------|--------|-------------------------|--------|
| UPPER VOLUME (DEG. F.) | 72.52 | LOWER VOLUME (DEG. F.) | 73.42 | ICE CONDENSER (DEG. F.) | 17.08 |
| UPPER VOLUME (DEG. R.) | 532.22 | LOWER VOLUME (DEG. R.) | 533.12 | ICE CONDENSER (DEG. R.) | 476.78 |

CONTAINMENT VAPOR PRESSURE DATA CHECK

| HYGROMETER | MILLI-VOLTS | DEW POINT (DEG. F.) | VAPOR PRESSURE (PSIA) |
|------------|-------------|---------------------|-----------------------|
| UPPER: | | | |
| VPU-1 | 16.85 | 33.40 | 0.0937 |
| VPU-2 | 0.0 | 32.00 | 0.0 |
| LOWER: | | | |
| VPL-1 | 19.73 | 39.08 | 0.1174 |
| VPL-2 | 18.61 | 36.85 | 0.1075 |
| ICE: | | | |
| VPI-1 | 8.94 | 17.59 | 0.0449 |
| VPI-2 | -1.16 | 11.12 | 0.0326 |

AVERAGE VAPOR PRESSURES

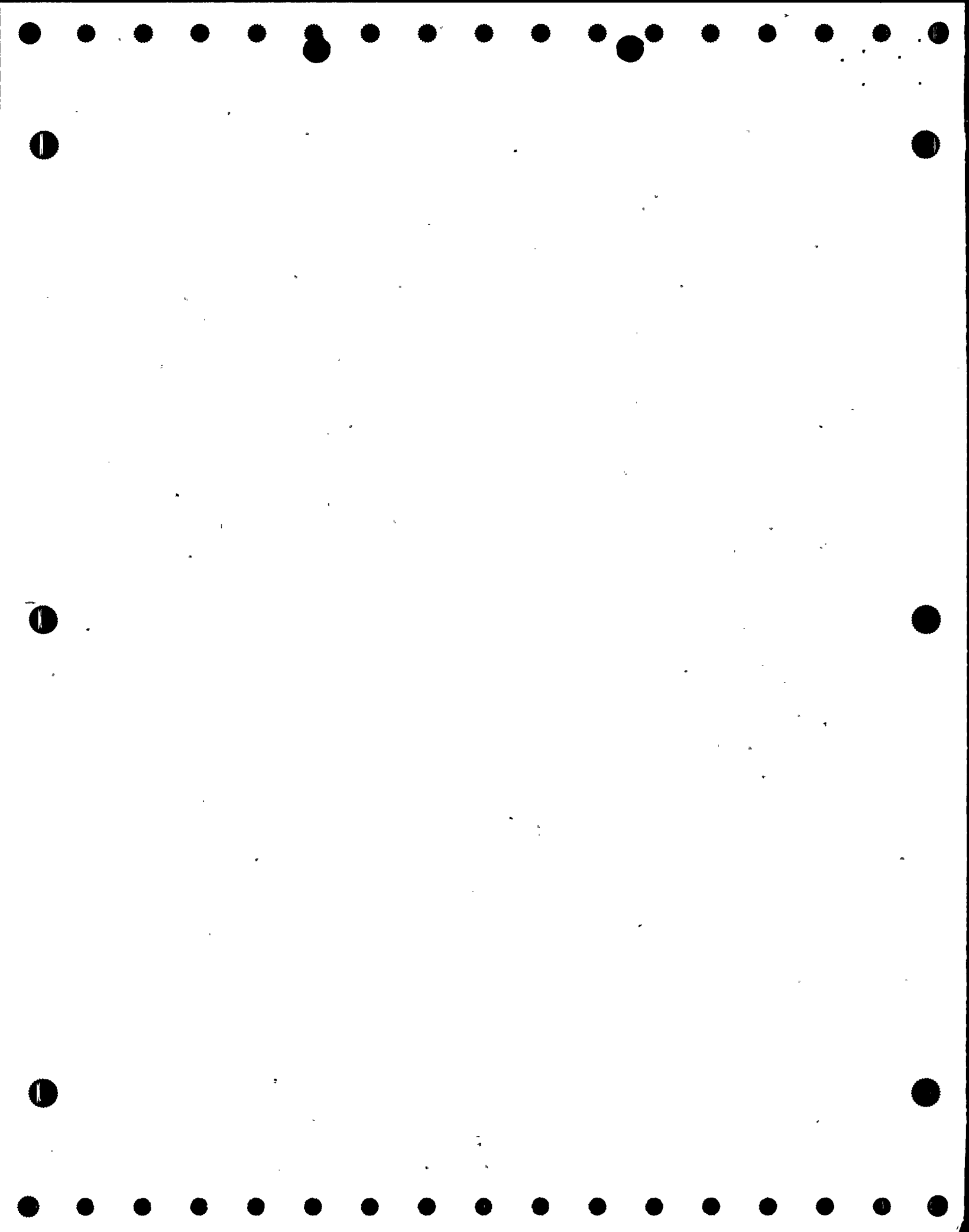
| | |
|--------------------------|--------|
| UPPER CONTAINMENT (PSIA) | 0.0937 |
| LOWER CONTAINMENT (PSIA) | 0.1124 |
| ICE CONDENSER (PSIA) | 0.0388 |

CONTAINMENT PRESSURES DATA CHECK

| MANOMETER | UNCORRECTED READING (PSIA) | CORRECTED READING (PSIA) |
|-----------|----------------------------|--------------------------|
| UPPER: | | |
| PU-1 | 27.0040 | 26.8174 |
| PU-2 | 26.8674 | 26.8662 |
| LOWER: | | |
| PL-1 | 0.0 | 0.0 |
| PL-2 | 26.8490 | 26.8474 |
| ICE: | | |
| PI-1 | 26.8683 | 26.8674 |
| PI-2 | 26.8847 | 26.8834 |
| AMBIENT | 14.4900 | 14.4835 |

SUMMARY OF CORRECTED AVERAGE PRESSURES

| | |
|---------------------------------------|---------|
| AVERAGE UPPER PRESSURE (PSIA) | 26.8418 |
| AVERAGE LOWER PRESSURE (PSIA) | 26.8474 |
| AVERAGE ICE CONDENSER PRESSURE (PSIA) | 26.8754 |
| AVERAGE CONTAINMENT PRESSURE (PSIA) | 26.8549 |
| AVERAGE CONTAINMENT PRESSURE (PSIG) | 12.3714 |



RUN NUMBER 8
ELAPSED TIME 34.00

CONTAINMENT-TEMPERATURES DATA CHECK

| UPPER VOLUME | | | LOWER VOLUME | | | ICE CONDENSER | | |
|--------------|-------------|---------|--------------|-------------|---------|---------------|-------------|---------|
| RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. |
| ETR-101 | 39.64 | 79.28 | ETR-122 | 35.95 | 71.90 | ETR-115 | 9.47 | 18.94 |
| ETR-102 | 37.56 | 75.12 | ETR-123 | 36.69 | 73.38 | ETR-116 | 9.07 | 18.14 |
| ETR-103 | 35.66 | 71.32 | ETR-124 | 37.33 | 74.66 | ETR-117 | 8.89 | 17.78 |
| ETR-104 | 35.57 | 71.14 | ETR-125 | 36.03 | 72.06 | ETR-118 | 10.00 | 20.00 |
| ETR-105 | 36.00 | 72.00 | ETR-126 | 36.13 | 72.26 | ETR-119 | 8.34 | 16.68 |
| ETR-106 | 36.26 | 72.52 | ETR-127 | 33.87 | 67.74 | ETR-120 | 8.07 | 16.14 |
| ETR-107 | 35.84 | 71.68 | ETR-129 | 37.22 | 74.44 | ETR-121 | 8.49 | 16.98 |
| ETR-108 | 35.85 | 71.70 | ETR-130 | 35.65 | 71.30 | | | |
| ETR-109 | 35.62 | 71.24 | ETR-131 | 33.92 | 67.84 | | | |
| ETR-110 | 35.39 | 70.78 | ETR-132 | 37.71 | 75.42 | | | |
| ETR-111 | 35.56 | 71.12 | ETR-134 | 36.68 | 73.36 | | | |
| ETR-112 | 35.60 | 71.20 | ETR-135 | 36.65 | 73.30 | | | |
| ETR-114 | 34.87 | 69.74 | ETR-136 | 36.70 | 73.40 | | | |
| ETR-128 | 36.90 | 73.80 | ETR-137 | 36.38 | 72.76 | | | |
| ETR-133 | 34.38 | 68.76 | ETR-138 | 36.75 | 73.50 | | | |
| ETR-113 | 37.50 | 75.00 | ETR-139 | 33.97 | 67.94 | | | |
| | | | ETR-140 | 36.77 | 73.54 | | | |
| | | | ETR-141 | 37.43 | 74.86 | | | |
| | | | ETR-142 | 36.29 | 72.58 | | | |
| | | | ETR-143 | 37.69 | 75.38 | | | |
| | | | ETR-144 | 36.00 | 72.00 | | | |
| | | | ETR-145 | 41.61 | 83.22 | | | |
| | | | ETR-146 | 37.17 | 74.34 | | | |

SUMMARY OF WEIGHTED AVERAGE TEMPERATURES

| | | | | | |
|------------------------|--------|------------------------|--------|-------------------------|--------|
| UPPER VOLUME (DEG. F.) | 72.52 | LOWER VOLUME (DEG. F.) | 73.35 | ICE CONDENSER (DEG. F.) | 17.18 |
| UPPER VOLUME (DEG. R.) | 532.22 | LOWER VOLUME (DEG. R.) | 533.05 | ICE CONDENSER (DEG. R.) | 476.88 |

CONTAINMENT VAPOR PRESSURE DATA CHECK

| HYGROMETER | MILLI-VOLTS | DEW POINT (DEG. F.) | VAPOR PRESSURE (PSIA) |
|------------|-------------|---------------------|-----------------------|
| UPPER: | | | |
| VPU-1 | 16.85 | 33.40 | 0.0937 |
| VPU-2 | 0.0 | 32.00 | 0.0 |
| LOWER: | | | |
| VPL-1 | 19.80 | 39.22 | 0.1180 |
| VPL-2 | 18.61 | 36.85 | 0.1075 |
| ICE: | | | |
| VPI-1 | 9.36 | 18.42 | 0.0467 |
| VPI-2 | -1.10 | 12.20 | 0.0345 |

AVERAGE VAPOR PRESSURES

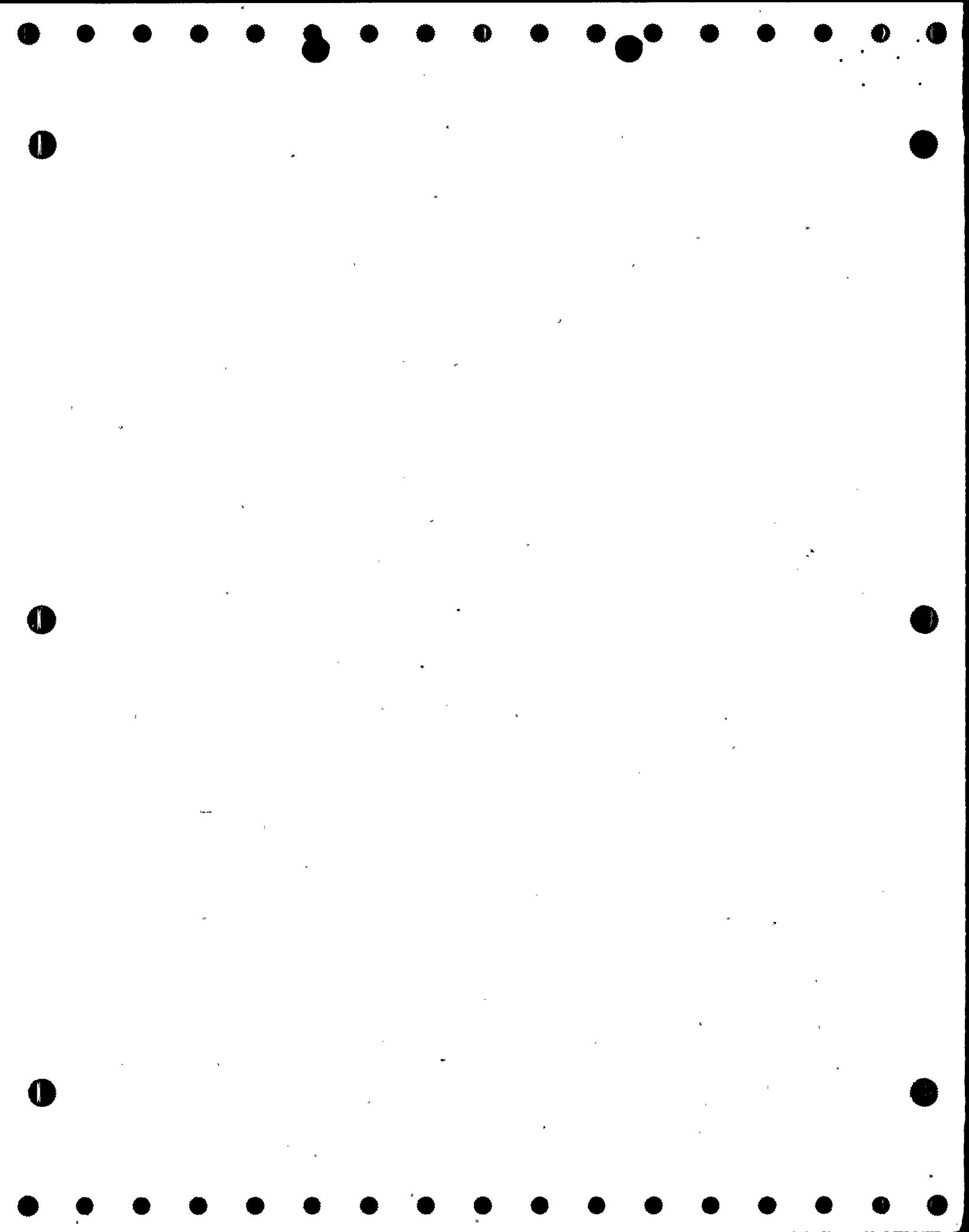
| | |
|--------------------------|--------|
| UPPER CONTAINMENT (PSIA) | 0.0937 |
| LOWER CONTAINMENT (PSIA) | 0.1128 |
| ICE CONDENSER (PSIA) | 0.0406 |

CONTAINMENT PRESSURES DATA CHECK

| MANOMETER | UNCORRECTED READING (PSIA) | CORRECTED READING (PSIA) |
|-----------|----------------------------|--------------------------|
| UPPER: | | |
| PU-1 | 27.0000 | 26.8134 |
| PU-2 | 26.8648 | 26.8636 |
| LOWER: | | |
| PL-1 | 0.0 | 0.0 |
| PL-2 | 26.8461 | 26.8445 |
| ICE: | | |
| PI-1 | 26.8660 | 26.8651 |
| PI-2 | 26.8818 | 26.8805 |
| AMBIENT | 14.4800 | 14.4735 |

SUMMARY OF CORRECTED AVERAGE PRESSURES

| | |
|---------------------------------------|---------|
| AVERAGE UPPER PRESSURE (PSIA) | 26.8385 |
| AVERAGE LOWER PRESSURE (PSIA) | 26.8445 |
| AVERAGE ICE CONDENSER PRESSURE (PSIA) | 26.8728 |
| AVERAGE CONTAINMENT PRESSURE (PSIA) | 26.8519 |
| AVERAGE CONTAINMENT PRESSURE (PSIG) | 12.3784 |



RUN NUMBER 9
ELAPSED TIME 34.50

CONTAINMENT TEMPERATURES DATA CHECK

| UPPER VOLUME | | | LOWER VOLUME | | | ICE CONDENSER | | |
|--------------|-------------|---------|--------------|-------------|---------|---------------|-------------|---------|
| RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. |
| ETR-101 | 39.60 | 79.20 | ETR-122 | 35.94 | 71.88 | ETR-115 | 9.23 | 18.46 |
| ETR-102 | 37.55 | 75.10 | ETR-123 | 36.71 | 73.42 | ETR-116 | 8.92 | 17.84 |
| ETR-103 | 35.67 | 71.34 | ETR-124 | 37.31 | 74.62 | ETR-117 | 8.54 | 17.08 |
| ETR-104 | 35.65 | 71.30 | ETR-125 | 36.04 | 72.08 | ETR-118 | 9.86 | 19.72 |
| ETR-105 | 36.00 | 72.00 | ETR-126 | 36.12 | 72.24 | ETR-119 | 8.35 | 16.70 |
| ETR-106 | 36.27 | 72.54 | ETR-127 | 33.88 | 67.76 | ETR-120 | 8.09 | 16.18 |
| ETR-107 | 35.86 | 71.72 | ETR-129 | 37.21 | 74.42 | ETR-121 | 8.48 | 16.96 |
| ETR-108 | 35.85 | 71.70 | ETR-130 | 35.65 | 71.30 | | | |
| ETR-109 | 35.55 | 71.10 | ETR-131 | 33.92 | 67.84 | | | |
| ETR-110 | 35.47 | 70.94 | ETR-132 | 37.71 | 75.42 | | | |
| ETR-111 | 35.58 | 71.16 | ETR-134 | 36.72 | 73.44 | | | |
| ETR-112 | 35.58 | 71.16 | ETR-135 | 36.62 | 73.24 | | | |
| ETR-114 | 34.83 | 69.66 | ETR-136 | 36.67 | 73.34 | | | |
| ETR-128 | 36.91 | 73.82 | ETR-137 | 36.39 | 72.78 | | | |
| ETR-133 | 34.37 | 68.74 | ETR-138 | 36.75 | 73.50 | | | |
| ETR-113 | 37.48 | 74.96 | ETR-139 | 33.98 | 67.96 | | | |
| | | | ETR-140 | 36.79 | 73.58 | | | |
| | | | ETR-141 | 37.43 | 74.86 | | | |
| | | | ETR-142 | 36.30 | 72.60 | | | |
| | | | ETR-143 | 37.68 | 75.36 | | | |
| | | | ETR-144 | 37.01 | 74.02 | | | |
| | | | ETR-145 | 41.60 | 83.20 | | | |
| | | | ETR-146 | 37.16 | 74.32 | | | |

SUMMARY OF WEIGHTED AVERAGE TEMPERATURES

| | | | | | |
|------------------------|--------|------------------------|--------|-------------------------|--------|
| UPPER VOLUME (DEG. F.) | 72.53 | LOWER VOLUME (DEG. F.) | 73.39 | ICE CONDENSER (DEG. F.) | 17.07 |
| UPPER VOLUME (DEG. R.) | 532.23 | LOWER VOLUME (DEG. R.) | 533.09 | ICE CONDENSER (DEG. R.) | 476.77 |

CONTAINMENT VAPOR PRESSURE DATA CHECK

| HYGROMETER | MILLI-VOLTS | DEW POINT (DEG. F.) | VAPOR PRESSURE (PSIA) |
|------------|-------------|---------------------|-----------------------|
| UPPER: | | | |
| VPU-1 | 16.92 | 33.54 | 0.0942 |
| VPU-2 | 0.0 | 32.00 | 0.0 |
| LOWER: | | | |
| VPL-1 | 19.87 | 39.36 | 0.1187 |
| VPL-2 | 18.61 | 36.85 | 0.1075 |
| ICE: | | | |
| VPI-1 | 8.68 | 17.07 | 0.0438 |
| VPI-2 | -1.17 | 10.94 | 0.0324 |

AVERAGE VAPOR PRESSURES

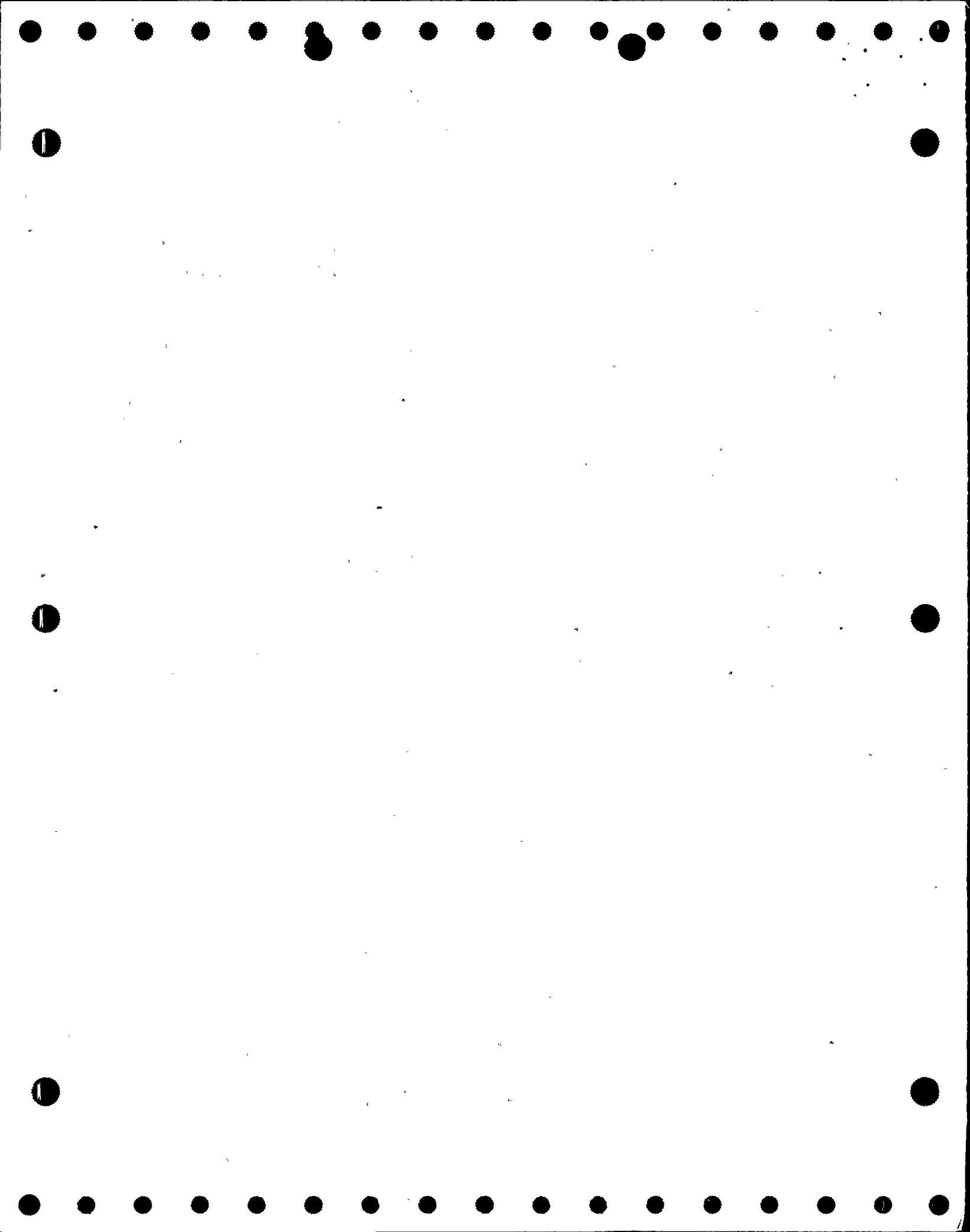
| | |
|--------------------------|--------|
| UPPER CONTAINMENT (PSIA) | 0.0942 |
| LOWER CONTAINMENT (PSIA) | 0.1131 |
| ICE CONDENSER (PSIA) | 0.0381 |

CONTAINMENT PRESSURES DATA CHECK

| MANOMETER | UNCORRECTED READING (PSIA) | CORRECTED READING (PSIA) |
|-----------|----------------------------|--------------------------|
| UPPER: | | |
| PU-1 | 26.9990 | 26.8124 |
| PU-2 | 26.8626 | 26.8614 |
| LOWER: | | |
| PL-1 | 0.0 | 0.0 |
| PL-2 | 26.8444 | 26.8428 |
| ICE: | | |
| PI-1 | 26.8640 | 26.8631 |
| PI-2 | 26.8799 | 26.8786 |
| AMBIENT | 14.4800 | 14.4735 |

SUMMARY OF CORRECTED AVERAGE PRESSURES

| | |
|---------------------------------------|---------|
| AVERAGE UPPER PRESSURE (PSIA) | 26.8369 |
| AVERAGE LOWER PRESSURE (PSIA) | 26.8428 |
| AVERAGE ICE CONDENSER PRESSURE (PSIA) | 26.8708 |
| AVERAGE CONTAINMENT PRESSURE (PSIA) | 26.8502 |
| AVERAGE CONTAINMENT PRESSURE (PSIG) | 12.3767 |



RUN NUMBER 10
ELAPSED TIME 35.00

CONTAINMENT TEMPERATURES DATA CHECK

| UPPER VOLUME | | | LOWER VOLUME | | | ICE CONDENSER | | |
|--------------|-------------|---------|--------------|-------------|---------|---------------|-------------|---------|
| RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. |
| ETR-101 | 39.59 | 79.18 | ETR-122 | 35.92 | 71.84 | ETR-115 | 9.03 | 18.06 |
| ETR-102 | 37.54 | 75.08 | ETR-123 | 36.72 | 73.44 | ETR-116 | 8.92 | 17.84 |
| ETR-103 | 35.67 | 71.34 | ETR-124 | 37.31 | 74.62 | ETR-117 | 8.55 | 17.10 |
| ETR-104 | 35.61 | 71.22 | ETR-125 | 36.04 | 72.08 | ETR-118 | 9.85 | 19.70 |
| ETR-105 | 35.99 | 71.98 | ETR-126 | 36.13 | 72.26 | ETR-119 | 8.35 | 16.70 |
| ETR-106 | 36.27 | 72.54 | ETR-127 | 33.89 | 67.78 | ETR-120 | 8.09 | 16.18 |
| ETR-107 | 35.88 | 71.76 | ETR-129 | 37.20 | 74.40 | ETR-121 | 8.44 | 16.88 |
| ETR-108 | 35.85 | 71.70 | ETR-130 | 35.65 | 71.30 | | | |
| ETR-109 | 35.67 | 71.34 | ETR-131 | 33.92 | 67.84 | | | |
| ETR-110 | 35.49 | 70.98 | ETR-132 | 37.71 | 75.42 | | | |
| ETR-111 | 35.58 | 71.16 | ETR-134 | 36.75 | 73.50 | | | |
| ETR-112 | 35.57 | 71.14 | ETR-135 | 36.60 | 73.20 | | | |
| ETR-114 | 34.87 | 69.74 | ETR-136 | 36.65 | 73.30 | | | |
| ETR-128 | 36.92 | 73.84 | ETR-137 | 36.35 | 72.70 | | | |
| ETR-133 | 34.37 | 68.74 | ETR-138 | 36.75 | 73.50 | | | |
| ETR-113 | 37.49 | 74.98 | ETR-139 | 33.96 | 67.92 | | | |
| | | | ETR-140 | 36.79 | 73.58 | | | |
| | | | ETR-141 | 37.42 | 74.84 | | | |
| | | | ETR-142 | 36.30 | 72.60 | | | |
| | | | ETR-143 | 37.68 | 75.36 | | | |
| | | | ETR-144 | 37.00 | 74.00 | | | |
| | | | ETR-145 | 41.61 | 83.22 | | | |
| | | | ETR-146 | 37.17 | 74.34 | | | |

SUMMARY OF WEIGHTED AVERAGE TEMPERATURES

| | | | | | |
|------------------------|--------|------------------------|--------|-------------------------|--------|
| UPPER VOLUME (DEG. F.) | 72.54 | LOWER VOLUME (DEG. F.) | 73.38 | ICE CONDENSER (DEG. F.) | 17.02 |
| UPPER VOLUME (DEG. R.) | 532.24 | LOWER VOLUME (DEG. R.) | 533.08 | ICE CONDENSER (DEG. R.) | 476.72 |

CONTAINMENT VAPOR PRESSURE DATA CHECK

| HYGROMETER | MILLI-VOLTS | DEW POINT (DEG. F.) | VAPOR PRESSURE (PSIA) |
|------------|-------------|---------------------|-----------------------|
| UPPER: | | | |
| VPU-1 | 16.84 | 33.38 | 0.0936 |
| VPU-2 | 0.0 | 32.00 | 0.0 |
| LOWER: | | | |
| VPL-1 | 19.94 | 39.50 | 0.1193 |
| VPL-2 | 18.63 | 36.89 | 0.1077 |
| ICE: | | | |
| VPI-1 | 7.77 | 15.28 | 0.0401 |
| VPI-2 | -1.03 | 13.46 | 0.0367 |

AVERAGE VAPOR PRESSURES

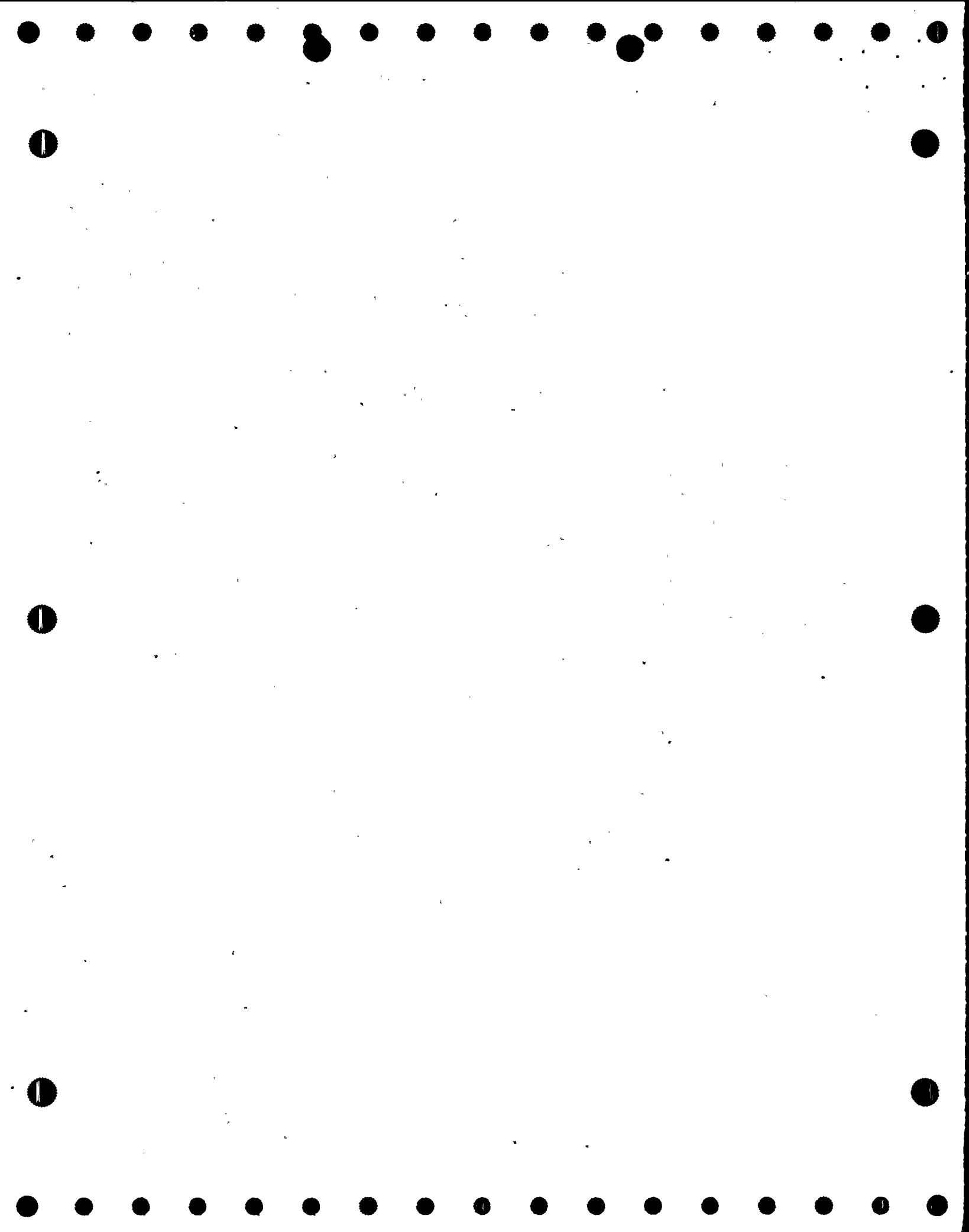
| | |
|--------------------------|--------|
| UPPER CONTAINMENT (PSIA) | 0.0936 |
| LOWER CONTAINMENT (PSIA) | 0.1135 |
| ICE CONDENSER (PSIA) | 0.0384 |

CONTAINMENT PRESSURES DATA CHECK

| MANOMETER | UNCORRECTED READING (PSIA) | CORRECTED READING (PSIA) |
|-----------|----------------------------|--------------------------|
| UPPER: | | |
| PU-1 | 26.9980 | 26.8114 |
| PU-2 | 26.8618 | 26.8606 |
| LOWER: | | |
| PL-1 | 0.0 | 0.0 |
| PL-2 | 26.8436 | 26.8420 |
| ICE: | | |
| PI-1 | 26.8632 | 26.8623 |
| PI-2 | 26.8789 | 26.8776 |
| AMBIENT | 14.4800 | 14.4735 |

SUMMARY OF CORRECTED AVERAGE PRESSURES

| | |
|---------------------------------------|---------|
| AVERAGE UPPER PRESSURE (PSIA) | 26.8360 |
| AVERAGE LOWER PRESSURE (PSIA) | 26.8420 |
| AVERAGE ICE CONDENSER PRESSURE (PSIA) | 26.8699 |
| AVERAGE CONTAINMENT PRESSURE (PSIA) | 26.8493 |
| AVERAGE CONTAINMENT PRESSURE (PSIG) | 12.3758 |



RUN NUMBER 11
ELAPSED TIME 35.50

CONTAINMENT TEMPERATURES DATA CHECK

| UPPER VOLUME | | | LOWER VOLUME | | | ICE CONDENSER | | |
|--------------|-------------|---------|--------------|-------------|---------|---------------|-------------|---------|
| RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. |
| ETR-101 | 39.59 | 79.18 | ETR-122 | 35.97 | 71.94 | ETR-115 | 9.11 | 18.22 |
| ETR-102 | 37.54 | 75.08 | ETR-123 | 36.73 | 73.46 | ETR-116 | 9.04 | 18.08 |
| ETR-103 | 35.69 | 71.38 | ETR-124 | 37.27 | 74.54 | ETR-117 | 8.80 | 17.60 |
| ETR-104 | 35.60 | 71.20 | ETR-125 | 36.04 | 72.08 | ETR-118 | 10.84 | 21.68 |
| ETR-105 | 36.00 | 72.00 | ETR-126 | 36.12 | 72.24 | ETR-119 | 8.38 | 16.76 |
| ETR-106 | 36.26 | 72.52 | ETR-127 | 33.88 | 67.76 | ETR-120 | 8.08 | 16.16 |
| ETR-107 | 35.86 | 71.72 | ETR-129 | 37.20 | 74.40 | ETR-121 | 8.39 | 16.78 |
| ETR-108 | 35.82 | 71.64 | ETR-130 | 35.65 | 71.30 | | | |
| ETR-109 | 35.55 | 71.10 | ETR-131 | 33.91 | 67.82 | | | |
| ETR-110 | 35.60 | 71.20 | ETR-132 | 37.71 | 75.42 | | | |
| ETR-111 | 35.58 | 71.16 | ETR-134 | 36.77 | 73.54 | | | |
| ETR-112 | 35.57 | 71.14 | ETR-135 | 36.62 | 73.24 | | | |
| ETR-114 | 34.86 | 69.72 | ETR-136 | 36.63 | 73.26 | | | |
| ETR-128 | 36.94 | 73.88 | ETR-137 | 36.34 | 72.68 | | | |
| ETR-133 | 34.38 | 68.76 | ETR-138 | 36.76 | 73.52 | | | |
| ETR-113 | 37.45 | 74.90 | ETR-139 | 33.96 | 67.92 | | | |
| | | | ETR-140 | 36.79 | 73.58 | | | |
| | | | ETR-141 | 37.44 | 74.88 | | | |
| | | | ETR-142 | 36.30 | 72.60 | | | |
| | | | ETR-143 | 37.68 | 75.36 | | | |
| | | | ETR-144 | 37.01 | 74.02 | | | |
| | | | ETR-145 | 41.61 | 83.22 | | | |
| | | | ETR-146 | 37.18 | 74.36 | | | |

SUMMARY OF WEIGHTED AVERAGE TEMPERATURES

| | | | | | |
|------------------------|--------|------------------------|--------|-------------------------|--------|
| UPPER VOLUME (DEG. F.) | 72.52 | LOWER VOLUME (DEG. F.) | 73.39 | ICE CONDENSER (DEG. F.) | 17.21 |
| UPPER VOLUME (DEG. R.) | 532.22 | LOWER VOLUME (DEG. R.) | 533.09 | ICE CONDENSER (DEG. R.) | 476.91 |

CONTAINMENT VAPOR PRESSURE DATA CHECK

| HYGROMETER | MILLI-VOLTS | DEW POINT (DEG. F.) | VAPOR PRESSURE (PSIA) |
|------------|-------------|---------------------|-----------------------|
| UPPER: | | | |
| VPU-1 | 16.89 | 33.48 | 0.0940 |
| VPU-2 | 0.0 | 32.00 | 0.0 |
| LOWER: | | | |
| VPL-1 | 20.02 | 39.66 | 0.1201 |
| VPL-2 | 18.63 | 36.89 | 0.1077 |
| ICE: | | | |
| VPI-1 | 7.52 | 14.79 | 0.0392 |
| VPI-2 | -1.12 | 11.84 | 0.0338 |

AVERAGE VAPOR PRESSURES

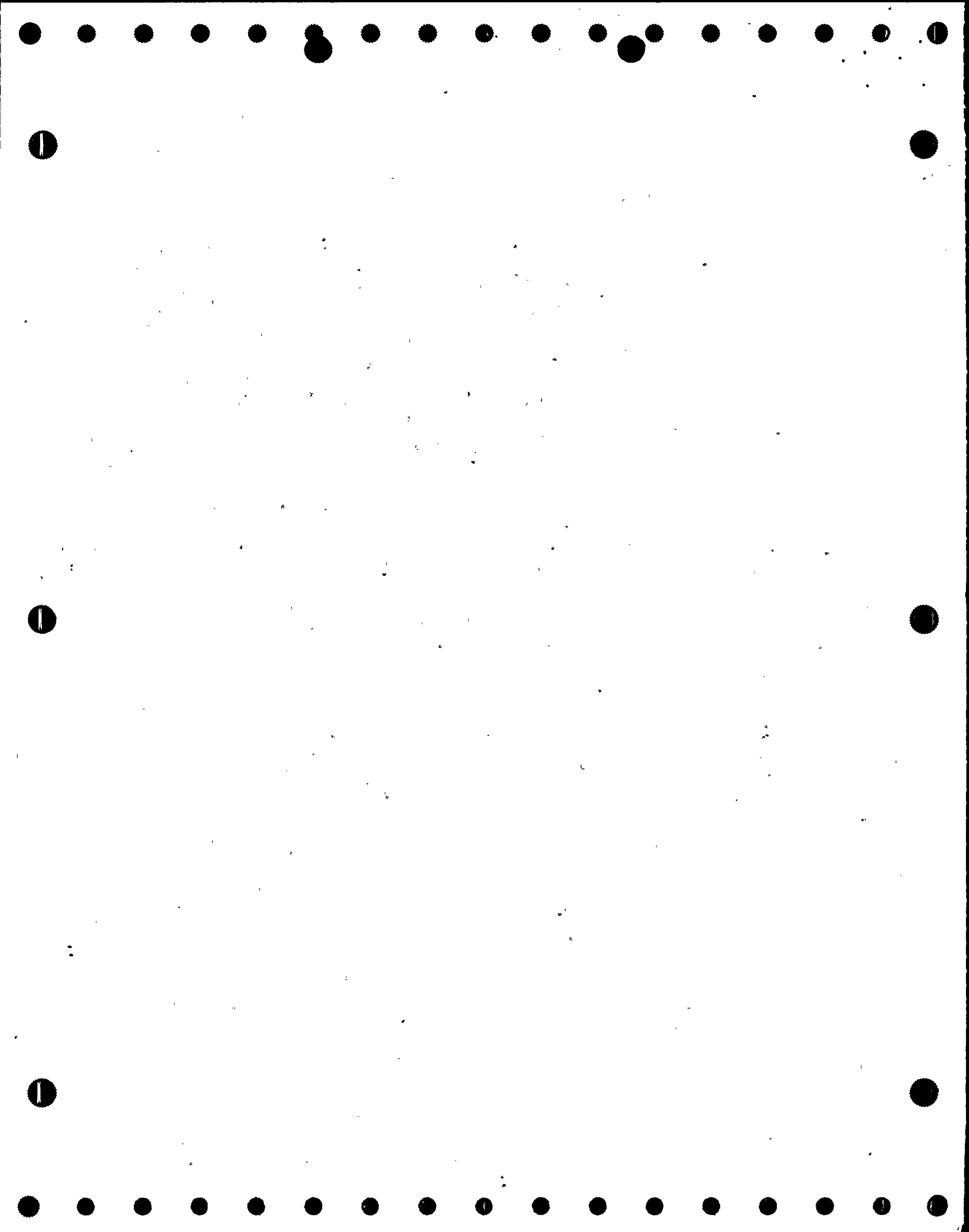
| | |
|--------------------------|--------|
| UPPER CONTAINMENT (PSIA) | 0.0940 |
| LOWER CONTAINMENT (PSIA) | 0.1139 |
| ICE CONDENSER (PSIA) | 0.0365 |

CONTAINMENT PRESSURES DATA CHECK

| MANOMETER | UNCORRECTED READING (PSIA) | CORRECTED READING (PSIA) |
|-----------|----------------------------|--------------------------|
| UPPER: | | |
| PU-1 | 26.9950 | 26.8085 |
| PU-2 | 26.8591 | 26.8579 |
| LOWER: | | |
| PL-1 | 0.0 | 0.0 |
| PL-2 | 26.8405 | 26.8389 |
| ICE: | | |
| PI-1 | 26.8600 | 26.8591 |
| PI-2 | 26.8756 | 26.8743 |
| AMBIENT | 14.4800 | 14.4735 |

SUMMARY OF CORRECTED AVERAGE PRESSURES

| | |
|---------------------------------------|---------|
| AVERAGE UPPER PRESSURE (PSIA) | 26.8332 |
| AVERAGE LOWER PRESSURE (PSIA) | 26.8389 |
| AVERAGE ICE CONDENSER PRESSURE (PSIA) | 26.8667 |
| AVERAGE CONTAINMENT PRESSURE (PSIA) | 26.8463 |
| AVERAGE CONTAINMENT PRESSURE (PSIG) | 12.3727 |



RUN NUMBER 12
ELAPSED TIME 36.00

CONTAINMENT TEMPERATURES DATA CHECK

| UPPER VOLUME | | | LOWER VOLUME | | | ICE CONDENSER | | |
|--------------|-------------|---------|--------------|-------------|---------|---------------|-------------|---------|
| RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. |
| ETR-101 | 39.59 | 79.18 | ETR-122 | 35.98 | 71.96 | ETR-115 | 8.97 | 17.94 |
| ETR-102 | 37.52 | 75.04 | ETR-123 | 36.69 | 73.38 | ETR-116 | 8.92 | 17.84 |
| ETR-103 | 35.68 | 71.36 | ETR-124 | 37.31 | 74.62 | ETR-117 | 8.57 | 17.14 |
| ETR-104 | 35.60 | 71.20 | ETR-125 | 36.02 | 72.04 | ETR-118 | 10.18 | 20.36 |
| ETR-105 | 35.99 | 71.98 | ETR-126 | 36.12 | 72.24 | ETR-119 | 8.38 | 16.76 |
| ETR-106 | 36.26 | 72.52 | ETR-127 | 33.91 | 67.82 | ETR-120 | 8.08 | 16.16 |
| ETR-107 | 35.87 | 71.74 | ETR-129 | 37.23 | 74.46 | ETR-121 | 8.40 | 16.80 |
| ETR-108 | 35.82 | 71.64 | ETR-130 | 35.67 | 71.34 | | | |
| ETR-109 | 35.63 | 71.26 | ETR-131 | 33.91 | 67.82 | | | |
| ETR-110 | 35.60 | 71.20 | ETR-132 | 37.71 | 75.42 | | | |
| ETR-111 | 35.57 | 71.14 | ETR-134 | 36.73 | 73.46 | | | |
| ETR-112 | 35.62 | 71.24 | ETR-135 | 36.67 | 73.34 | | | |
| ETR-114 | 34.90 | 69.80 | ETR-136 | 36.67 | 73.34 | | | |
| ETR-128 | 36.93 | 73.86 | ETR-137 | 36.37 | 72.74 | | | |
| ETR-133 | 34.37 | 68.74 | ETR-138 | 36.76 | 73.52 | | | |
| ETR-113 | 37.49 | 74.98 | ETR-139 | 33.98 | 67.96 | | | |
| | | | ETR-140 | 36.79 | 73.58 | | | |
| | | | ETR-141 | 37.43 | 74.86 | | | |
| | | | ETR-142 | 36.31 | 72.62 | | | |
| | | | ETR-143 | 37.68 | 75.36 | | | |
| | | | ETR-144 | 37.01 | 74.02 | | | |
| | | | ETR-145 | 41.61 | 83.22 | | | |
| | | | ETR-146 | 37.18 | 74.36 | | | |

SUMMARY OF WEIGHTED AVERAGE TEMPERATURES

| | | | | | |
|------------------------|--------|------------------------|--------|-------------------------|--------|
| UPPER VOLUME (DEG. F.) | 72.53 | LOWER VOLUME (DEG. F.) | 73.41 | ICE CONDENSER (DEG. F.) | 17.05 |
| UPPER VOLUME (DEG. R.) | 532.23 | LOWER VOLUME (DEG. R.) | 533.11 | ICE CONDENSER (DEG. R.) | 476.75 |

CONTAINMENT VAPOR PRESSURE DATA CHECK

| HYGROMETER | MILLI-VOLTS | DEW POINT (DEG. F.) | VAPOR PRESSURE (PSIA) |
|------------|-------------|---------------------|-----------------------|
| UPPER: | | | |
| VPU-1 | 16.90 | 33.50 | 0.0941 |
| VPU-2 | 0.0 | 32.00 | 0.0 |
| LOWER: | | | |
| VPL-1 | 20.09 | 39.80 | 0.1207 |
| VPL-2 | 18.62 | 36.87 | 0.1076 |
| ICE: | | | |
| VPI-1 | 7.61 | 14.96 | 0.0395 |
| VPI-2 | -1.13 | 11.66 | 0.0335 |

AVERAGE VAPOR PRESSURES

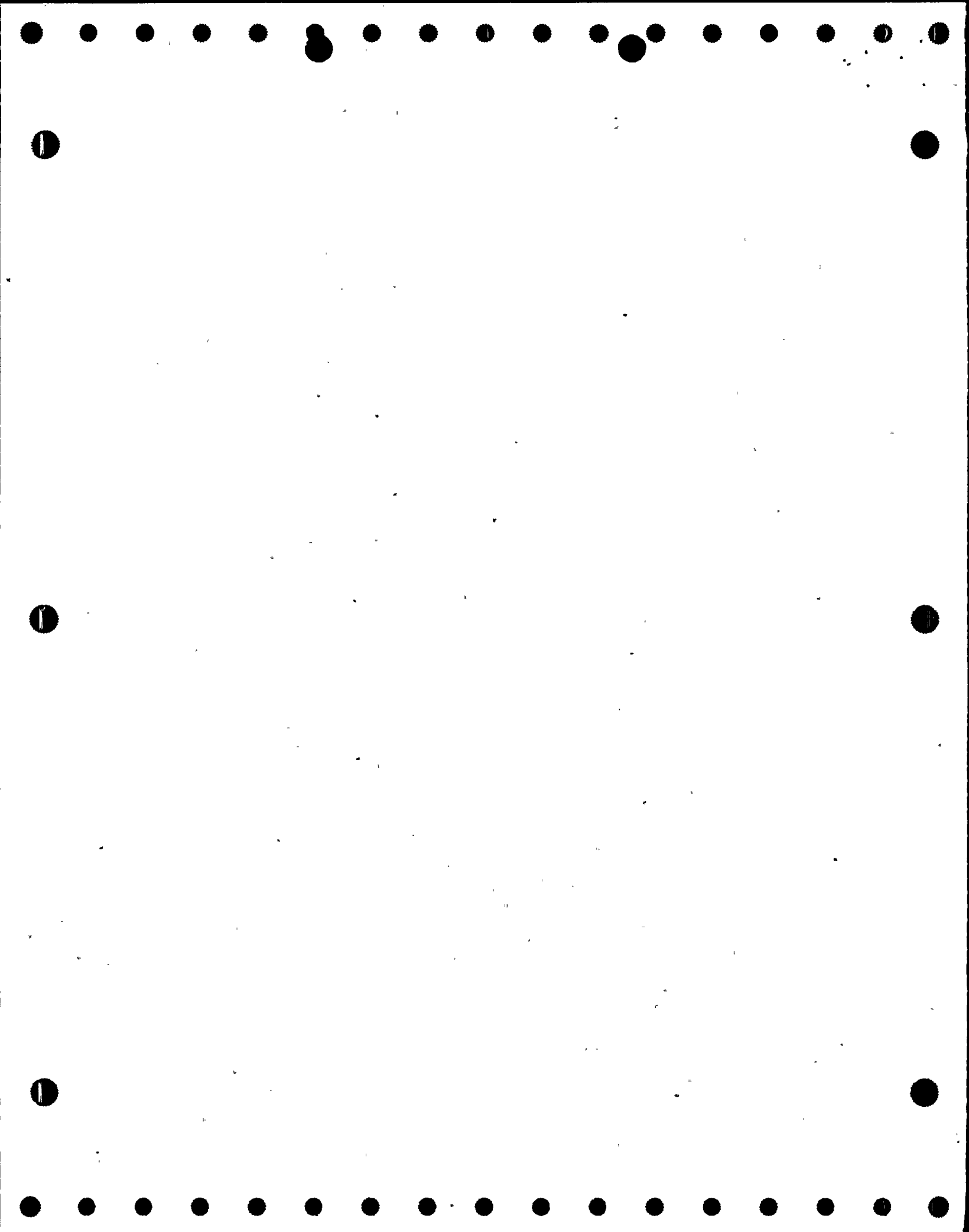
| | |
|--------------------------|--------|
| UPPER CONTAINMENT (PSIA) | 0.0941 |
| LOWER CONTAINMENT (PSIA) | 0.1141 |
| ICE CONDENSER (PSIA) | 0.0365 |

CONTAINMENT PRESSURES DATA CHECK

| MANOMETER | UNCORRECTED READING (PSIA) | CORRECTED READING (PSIA) |
|-----------|----------------------------|--------------------------|
| UPPER: | | |
| PU-1 | 26.9910 | 26.8045 |
| PU-2 | 26.8562 | 26.8550 |
| LOWER: | | |
| PL-1 | 0.0 | 0.0 |
| PL-2 | 26.8374 | 26.8358 |
| ICE: | | |
| PI-1 | 26.8573 | 26.8564 |
| PI-2 | 26.8723 | 26.8710 |
| AMBIENT | 14.4800 | 14.4735 |

SUMMARY OF CORRECTED AVERAGE PRESSURES

| | |
|---------------------------------------|---------|
| AVERAGE UPPER PRESSURE (PSIA) | 26.8298 |
| AVERAGE LOWER PRESSURE (PSIA) | 26.8358 |
| AVERAGE ICE CONDENSER PRESSURE (PSIA) | 26.8637 |
| AVERAGE CONTAINMENT PRESSURE (PSIA) | 26.8431 |
| AVERAGE CONTAINMENT PRESSURE (PSIG) | 12.3696 |



RUN NUMBER 13
ELAPSED TIME 36.50

CONTAINMENT TEMPERATURES DATA CHECK

| UPPER VOLUME | | | LOWER VOLUME | | | ICE CONDENSER | | |
|--------------|-------------|---------|--------------|-------------|---------|---------------|-------------|---------|
| RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. |
| ETR-101 | 39.54 | 79.08 | ETR-122 | 35.94 | 71.88 | ETR-115 | 8.89 | 17.78 |
| ETR-102 | 37.50 | 75.00 | ETR-123 | 36.71 | 73.42 | ETR-116 | 8.85 | 17.70 |
| ETR-103 | 35.67 | 71.34 | ETR-124 | 37.31 | 74.62 | ETR-117 | 8.48 | 16.96 |
| ETR-104 | 35.59 | 71.18 | ETR-125 | 36.05 | 72.10 | ETR-118 | 10.09 | 20.18 |
| ETR-105 | 35.98 | 71.96 | ETR-126 | 36.12 | 72.24 | ETR-119 | 8.36 | 16.72 |
| ETR-106 | 36.25 | 72.50 | ETR-127 | 33.92 | 67.84 | ETR-120 | 8.08 | 16.16 |
| ETR-107 | 35.84 | 71.68 | ETR-129 | 37.20 | 74.40 | ETR-121 | 8.42 | 16.84 |
| ETR-108 | 35.83 | 71.66 | ETR-130 | 35.66 | 71.32 | | | |
| ETR-109 | 35.60 | 71.20 | ETR-131 | 33.92 | 67.84 | | | |
| ETR-110 | 35.48 | 70.96 | ETR-132 | 37.71 | 75.42 | | | |
| ETR-111 | 35.57 | 71.14 | ETR-134 | 36.69 | 73.38 | | | |
| ETR-112 | 35.60 | 71.20 | ETR-135 | 36.66 | 73.32 | | | |
| ETR-114 | 34.88 | 69.76 | ETR-136 | 36.67 | 73.34 | | | |
| ETR-128 | 36.95 | 73.90 | ETR-137 | 36.39 | 72.78 | | | |
| ETR-133 | 34.36 | 68.72 | ETR-138 | 36.75 | 73.50 | | | |
| ETR-113 | 37.46 | 74.92 | ETR-139 | 33.98 | 67.96 | | | |
| | | | ETR-140 | 36.79 | 73.58 | | | |
| | | | ETR-141 | 37.43 | 74.86 | | | |
| | | | ETR-142 | 36.31 | 72.62 | | | |
| | | | ETR-143 | 37.68 | 75.36 | | | |
| | | | ETR-144 | 36.99 | 73.98 | | | |
| | | | ETR-145 | 41.62 | 83.24 | | | |
| | | | ETR-146 | 37.17 | 74.34 | | | |

SUMMARY OF WEIGHTED AVERAGE TEMPERATURES

| | | | | | |
|------------------------|--------|------------------------|--------|-------------------------|--------|
| UPPER VOLUME (DEG. F.) | 72.50 | LOWER VOLUME (DEG. F.) | 73.40 | ICE CONDENSER (DEG. F.) | 17.00 |
| UPPER VOLUME (DEG. R.) | 532.20 | LOWER VOLUME (DEG. R.) | 533.10 | ICE CONDENSER (DEG. R.) | 476.70 |

CONTAINMENT VAPOR PRESSURE DATA CHECK

| HYGROMETER | MILLI-VOLTS | DEW POINT (DEG. F.) | VAPOR PRESSURE (PSIA) |
|------------|-------------|---------------------|-----------------------|
| UPPER: | | | |
| VPU-1 | 16.88 | 33.46 | 0.0939 |
| VPU-2 | 0.0 | 32.00 | 0.0 |
| LOWER: | | | |
| VPL-1 | 20.17 | 39.96 | 0.1215 |
| VPL-2 | 18.61 | 36.85 | 0.1075 |
| ICE: | | | |
| VPI-1 | 7.94 | 15.62 | 0.0408 |
| VPI-2 | -1.10 | 12.20 | 0.0345 |

CONTAINMENT PRESSURES DATA CHECK

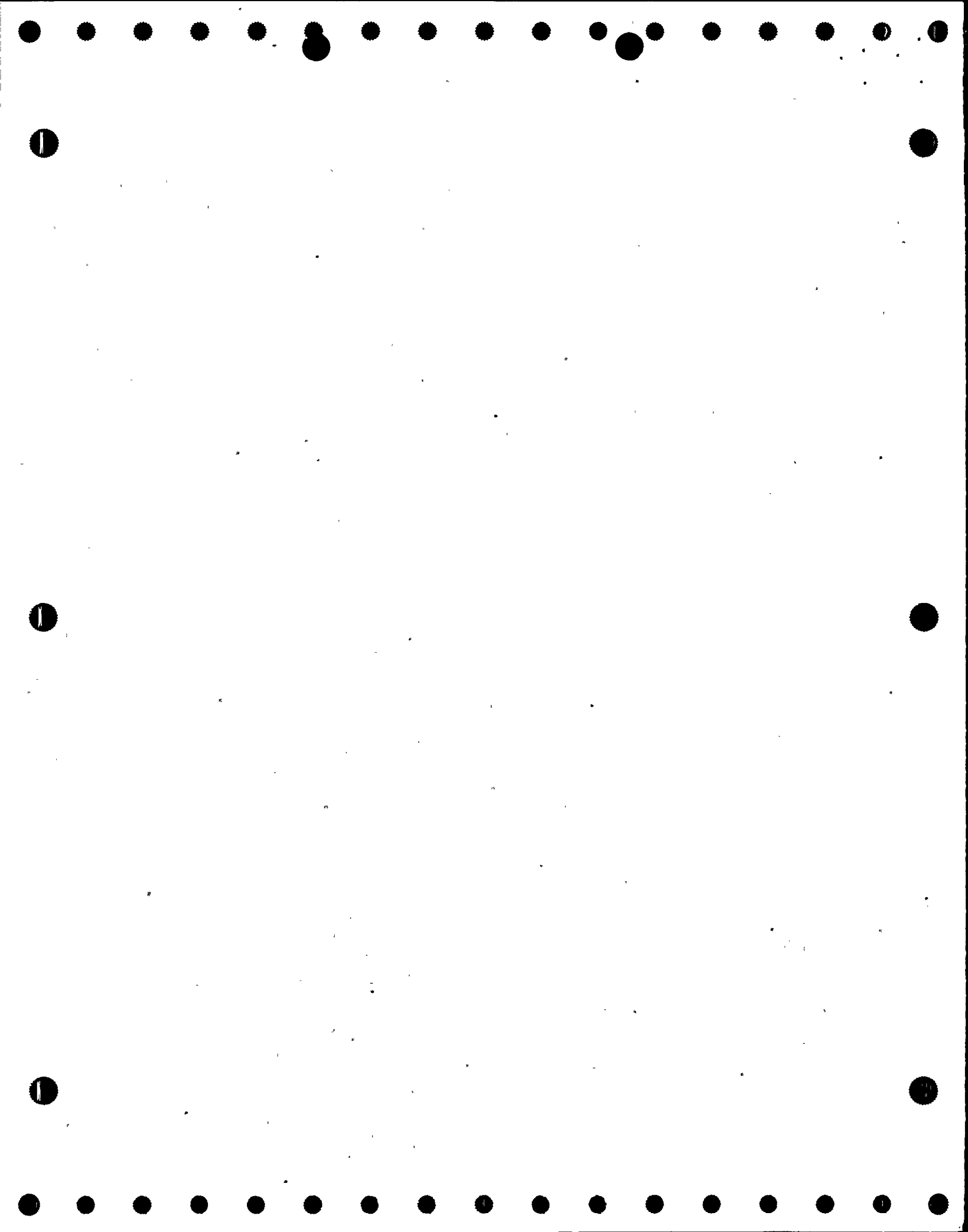
| MANOMETER | UNCORRECTED READING (PSIA) | CORRECTED READING (PSIA) |
|-----------|----------------------------|--------------------------|
| UPPER: | | |
| PU-1 | 26.9900 | 26.8035 |
| PU-2 | 26.8544 | 26.8532 |
| LOWER: | | |
| PL-1 | 0.0 | 0.0 |
| PL-2 | 26.8359 | 26.8343 |
| ICE: | | |
| PI-1 | 26.8559 | 26.8550 |
| PI-2 | 26.8718 | 26.8705 |
| AMBIENT | 14.4800 | 14.4735 |

AVERAGE VAPOR PRESSURES

| | |
|--------------------------|--------|
| UPPER CONTAINMENT (PSIA) | 0.0939 |
| LOWER CONTAINMENT (PSIA) | 0.1145 |
| ICE CONDENSER (PSIA) | 0.0376 |

SUMMARY OF CORRECTED AVERAGE PRESSURES

| | |
|---------------------------------------|---------|
| AVERAGE UPPER PRESSURE (PSIA) | 26.8284 |
| AVERAGE LOWER PRESSURE (PSIA) | 26.8343 |
| AVERAGE ICE CONDENSER PRESSURE (PSIA) | 26.8627 |
| AVERAGE CONTAINMENT PRESSURE (PSIA) | 26.8418 |
| AVERAGE CONTAINMENT PRESSURE (PSIG) | 12.3683 |



RUN NUMBER 14
ELAPSED TIME 37.00

CONTAINMENT TEMPERATURES DATA CHECK

| UPPER VOLUME | | | LOWER VOLUME | | | ICE CONDENSER | | |
|--------------|-------------|---------|--------------|-------------|---------|---------------|-------------|---------|
| RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. |
| ETR-101 | 39.55 | 79.10 | ETR-122 | 35.94 | 71.88 | ETR-115 | 9.16 | 18.32 |
| ETR-102 | 37.49 | 74.98 | ETR-123 | 36.70 | 73.40 | ETR-116 | 8.75 | 17.50 |
| ETR-103 | 35.65 | 71.30 | ETR-124 | 37.32 | 74.64 | ETR-117 | 8.39 | 16.78 |
| ETR-104 | 35.60 | 71.20 | ETR-125 | 36.03 | 72.06 | ETR-118 | 9.61 | 19.22 |
| ETR-105 | 35.96 | 71.92 | ETR-126 | 36.12 | 72.24 | ETR-119 | 8.37 | 16.74 |
| ETR-106 | 36.24 | 72.48 | ETR-127 | 33.91 | 67.82 | ETR-120 | 8.07 | 16.14 |
| ETR-107 | 35.83 | 71.66 | ETR-129 | 37.22 | 74.44 | ETR-121 | 8.41 | 16.82 |
| ETR-108 | 35.83 | 71.66 | ETR-130 | 35.67 | 71.34 | | | |
| ETR-109 | 35.56 | 71.12 | ETR-131 | 33.91 | 67.82 | | | |
| ETR-110 | 35.47 | 70.94 | ETR-132 | 37.71 | 75.42 | | | |
| ETR-111 | 35.56 | 71.12 | ETR-134 | 36.75 | 73.50 | | | |
| ETR-112 | 35.60 | 71.20 | ETR-135 | 36.59 | 73.18 | | | |
| ETR-114 | 34.84 | 69.68 | ETR-136 | 36.68 | 73.36 | | | |
| ETR-128 | 36.97 | 73.94 | ETR-137 | 36.39 | 72.78 | | | |
| ETR-133 | 34.36 | 68.72 | ETR-138 | 36.75 | 73.50 | | | |
| ETR-113 | 37.45 | 74.90 | ETR-139 | 33.99 | 67.98 | | | |
| | | | ETR-140 | 36.80 | 73.60 | | | |
| | | | ETR-141 | 37.44 | 74.88 | | | |
| | | | ETR-142 | 36.31 | 72.62 | | | |
| | | | ETR-143 | 37.69 | 75.38 | | | |
| | | | ETR-144 | 37.00 | 74.00 | | | |
| | | | ETR-145 | 41.62 | 83.24 | | | |
| | | | ETR-146 | 37.18 | 74.36 | | | |

SUMMARY OF WEIGHTED AVERAGE TEMPERATURES

| | | | | | |
|------------------------|--------|------------------------|--------|-------------------------|--------|
| UPPER VOLUME (DEG. F.) | 72.48 | LOWER VOLUME (DEG. F.) | 73.40 | ICE CONDENSER (DEG. F.) | 16.94 |
| UPPER VOLUME (DEG. R.) | 532.18 | LOWER VOLUME (DEG. R.) | 533.10 | ICE CONDENSER (DEG. R.) | 476.64 |

CONTAINMENT VAPOR PRESSURE DATA CHECK

| HYGROMETER | MILLI-VOLTS | DEW POINT (DEG. F.) | VAPOR PRESSURE (PSIA) |
|------------|-------------|---------------------|-----------------------|
| UPPER: | | | |
| VPU-1 | 16.93 | 33.56 | 0.0943 |
| VPU-2 | 0.0 | 32.00 | 0.0 |
| LOWER: | | | |
| VPL-1 | 20.23 | 40.08 | 0.1220 |
| VPL-2 | 18.64 | 36.91 | 0.1078 |
| ICE: | | | |
| VPI-1 | 7.85 | 15.43 | 0.0404 |
| VPI-2 | -1.13 | 11.66 | 0.0335 |

AVERAGE VAPOR PRESSURES

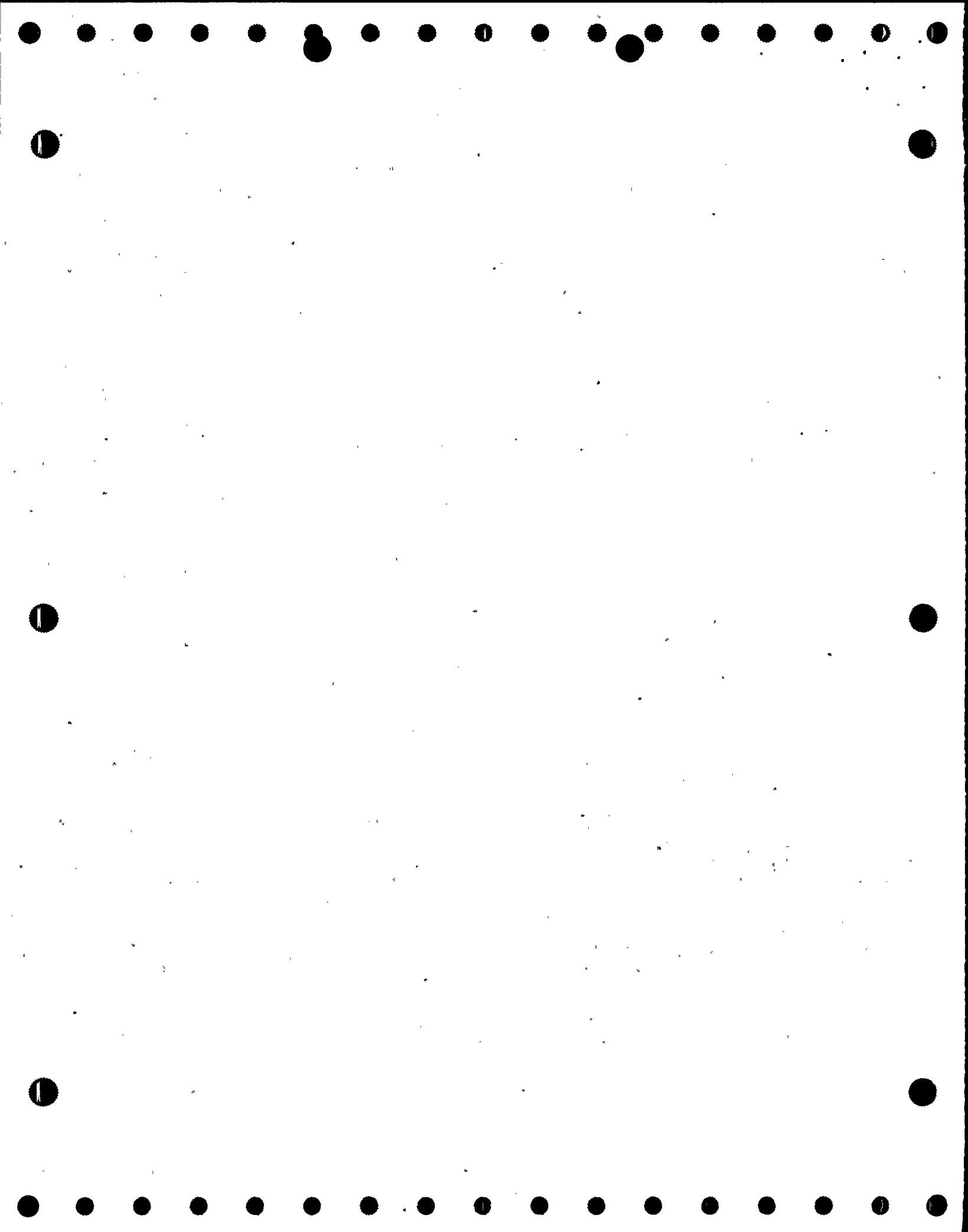
| | |
|--------------------------|--------|
| UPPER CONTAINMENT (PSIA) | 0.0943 |
| LOWER CONTAINMENT (PSIA) | 0.1149 |
| ICE CONDENSER (PSIA) | 0.0370 |

CONTAINMENT PRESSURES DATA CHECK

| MANOMETER | UNCORRECTED READING (PSIA) | CORRECTED READING (PSIA) |
|-----------|----------------------------|--------------------------|
| UPPER: | | |
| PU-1 | 26.9890 | 26.8025 |
| PU-2 | 26.8532 | 26.8520 |
| LOWER: | | |
| PL-1 | 0.0 | 0.0 |
| PL-2 | 26.8348 | 26.8332 |
| ICE: | | |
| PI-1 | 26.8546 | 26.8537 |
| PI-2 | 26.8714 | 26.8701 |
| AMBIENT | 14.4800 | 14.4735 |

SUMMARY OF CORRECTED AVERAGE PRESSURES

| | |
|---------------------------------------|---------|
| AVERAGE UPPER PRESSURE (PSIA) | 26.8273 |
| AVERAGE LOWER PRESSURE (PSIA) | 26.8332 |
| AVERAGE ICE CONDENSER PRESSURE (PSIA) | 26.8619 |
| AVERAGE CONTAINMENT PRESSURE (PSIA) | 26.8408 |
| AVERAGE CONTAINMENT PRESSURE (PSIG) | 12.3673 |



RUN NUMBER 15
ELAPSED TIME 37.50

CONTAINMENT TEMPERATURES DATA CHECK

| UPPER VOLUME | | | LOWER VOLUME | | | ICE CONDENSER | | |
|--------------|-------------|---------|--------------|-------------|---------|---------------|-------------|---------|
| RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. |
| ETR-101 | 39.50 | 79.00 | ETR-122 | 35.98 | 71.96 | ETR-115 | 9.16 | 18.32 |
| ETR-102 | 37.48 | 74.96 | ETR-123 | 36.72 | 73.44 | ETR-116 | 8.77 | 17.54 |
| ETR-103 | 35.67 | 71.34 | ETR-124 | 37.31 | 74.62 | ETR-117 | 8.50 | 17.00 |
| ETR-104 | 35.59 | 71.18 | ETR-125 | 36.07 | 72.14 | ETR-118 | 9.71 | 19.42 |
| ETR-105 | 35.98 | 71.96 | ETR-126 | 36.13 | 72.26 | ETR-119 | 8.36 | 16.72 |
| ETR-106 | 36.24 | 72.48 | ETR-127 | 33.87 | 67.74 | ETR-120 | 8.07 | 16.14 |
| ETR-107 | 35.86 | 71.72 | ETR-129 | 37.24 | 74.48 | ETR-121 | 8.40 | 16.80 |
| ETR-108 | 35.83 | 71.66 | ETR-130 | 35.66 | 71.32 | | | |
| ETR-109 | 35.58 | 71.16 | ETR-131 | 33.90 | 67.80 | | | |
| ETR-110 | 35.49 | 70.98 | ETR-132 | 37.71 | 75.42 | | | |
| ETR-111 | 35.57 | 71.14 | ETR-134 | 36.69 | 73.38 | | | |
| ETR-112 | 35.59 | 71.18 | ETR-135 | 36.63 | 73.26 | | | |
| ETR-114 | 34.84 | 69.68 | ETR-136 | 36.69 | 73.38 | | | |
| ETR-128 | 36.95 | 73.90 | ETR-137 | 36.38 | 72.76 | | | |
| ETR-133 | 34.37 | 68.74 | ETR-138 | 36.74 | 73.48 | | | |
| ETR-113 | 37.48 | 74.96 | ETR-139 | 33.98 | 67.96 | | | |
| | | | ETR-140 | 36.81 | 73.62 | | | |
| | | | ETR-141 | 37.44 | 74.88 | | | |
| | | | ETR-142 | 36.31 | 72.62 | | | |
| | | | ETR-143 | 37.69 | 75.38 | | | |
| | | | ETR-144 | 37.01 | 74.02 | | | |
| | | | ETR-145 | 41.63 | 83.26 | | | |
| | | | ETR-146 | 37.18 | 74.36 | | | |

SUMMARY OF WEIGHTED AVERAGE TEMPERATURES

| | | | | | |
|------------------------|--------|------------------------|--------|-------------------------|--------|
| UPPER VOLUME (DEG. F.) | 72.48 | LOWER VOLUME (DEG. F.) | 73.41 | ICE CONDENSER (DEG. F.) | 16.97 |
| UPPER VOLUME (DEG. R.) | 532.18 | LOWER VOLUME (DEG. R.) | 533.11 | ICE CONDENSER (DEG. R.) | 476.67 |

CONTAINMENT VAPOR PRESSURE DATA CHECK

| | MILLI-VOLTS | DEW POINT (DEG. F.) | VAPOR PRESSURE (PSIA) |
|--------|-------------|---------------------|-----------------------|
| UPPER: | | | |
| VPU-1 | 16.91 | 33.52 | 0.0942 |
| VPU-2 | 0.0 | 32.00 | 0.0 |
| LOWER: | | | |
| VPL-1 | 20.31 | 40.24 | 0.1228 |
| VPL-2 | 18.62 | 36.87 | 0.1076 |
| ICE: | | | |
| VPI-1 | 7.83 | 15.41 | 0.0404 |
| VPI-2 | -1.14 | 11.48 | 0.0332 |

AVERAGE VAPOR PRESSURES

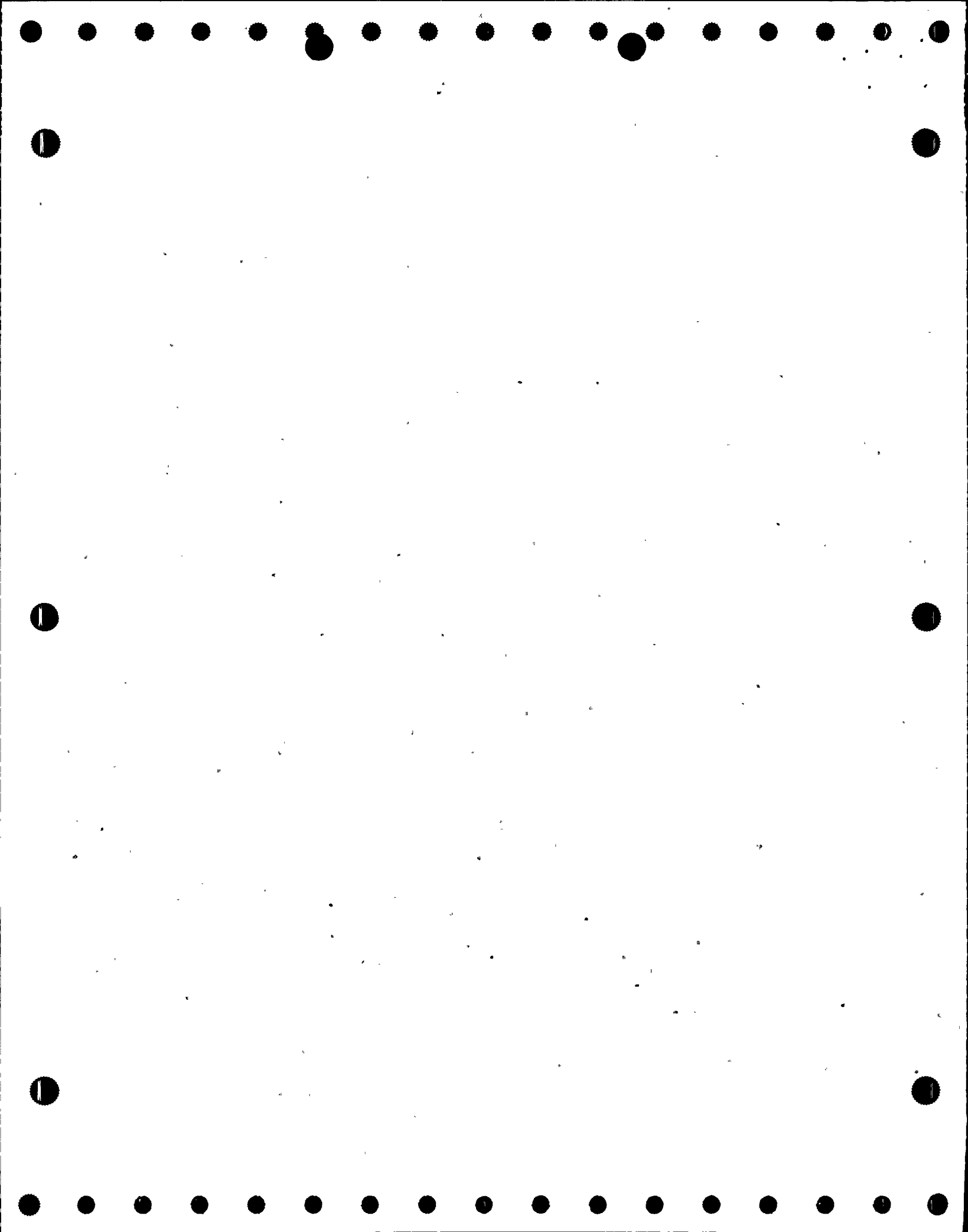
| | |
|--------------------------|--------|
| UPPER CONTAINMENT (PSIA) | 0.0942 |
| LOWER CONTAINMENT (PSIA) | 0.1152 |
| ICE CONDENSER (PSIA) | 0.0368 |

CONTAINMENT PRESSURES DATA CHECK

| | UNCORRECTED READING (PSIA) | CORRECTED READING (PSIA) |
|---------|----------------------------|--------------------------|
| UPPER: | | |
| PU-1 | 26.9870 | 26.8006 |
| PU-2 | 26.8503 | 26.8491 |
| LOWER: | | |
| PL-1 | 0.0 | 0.0 |
| PL-2 | 26.8321 | 26.8305 |
| ICE: | | |
| PI-1 | 26.8522 | 26.8513 |
| PI-2 | 26.8669 | 26.8656 |
| AMBIENT | 14.4700 | 14.4636 |

SUMMARY OF CORRECTED AVERAGE PRESSURES

| | |
|---------------------------------------|---------|
| AVERAGE UPPER PRESSURE (PSIA) | 26.8248 |
| AVERAGE LOWER PRESSURE (PSIA) | 26.8305 |
| AVERAGE ICE CONDENSER PRESSURE (PSIA) | 26.8584 |
| AVERAGE CONTAINMENT PRESSURE (PSIA) | 26.8379 |
| AVERAGE CONTAINMENT PRESSURE (PSIG) | 12.3743 |



RUN NUMBER 16
ELAPSED TIME 38.50

CONTAINMENT TEMPERATURES DATA CHECK

| UPPER VOLUME | | | LOWER VOLUME | | | ICE CONDENSER | | |
|--------------|-------------|---------|--------------|-------------|---------|---------------|-------------|---------|
| RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. |
| ETR-101 | 39.52 | 79.04 | ETR-122 | 35.97 | 71.94 | ETR-115 | 9.04 | 18.08 |
| ETR-102 | 37.45 | 74.90 | ETR-123 | 36.71 | 73.42 | ETR-116 | 8.96 | 17.92 |
| ETR-103 | 35.67 | 71.34 | ETR-124 | 37.31 | 74.62 | ETR-117 | 8.45 | 16.90 |
| ETR-104 | 35.60 | 71.20 | ETR-125 | 36.07 | 72.14 | ETR-118 | 9.83 | 19.66 |
| ETR-105 | 35.96 | 71.92 | ETR-126 | 36.12 | 72.24 | ETR-119 | 8.38 | 16.76 |
| ETR-106 | 36.22 | 72.44 | ETR-127 | 33.87 | 67.74 | ETR-120 | 8.10 | 16.20 |
| ETR-107 | 35.85 | 71.70 | ETR-129 | 37.23 | 74.46 | ETR-121 | 8.39 | 16.78 |
| ETR-108 | 35.79 | 71.58 | ETR-130 | 35.65 | 71.30 | | | |
| ETR-109 | 35.57 | 71.14 | ETR-131 | 33.92 | 67.84 | | | |
| ETR-110 | 35.50 | 71.00 | ETR-132 | 37.72 | 75.44 | | | |
| ETR-111 | 35.57 | 71.14 | ETR-134 | 36.86 | 73.72 | | | |
| ETR-112 | 35.61 | 71.22 | ETR-135 | 36.65 | 73.30 | | | |
| ETR-114 | 34.81 | 69.62 | ETR-136 | 36.66 | 73.32 | | | |
| ETR-128 | 36.98 | 73.96 | ETR-137 | 36.38 | 72.76 | | | |
| ETR-133 | 34.38 | 68.76 | ETR-138 | 36.75 | 73.50 | | | |
| ETR-113 | 37.41 | 74.82 | ETR-139 | 34.01 | 68.02 | | | |
| | | | ETR-140 | 36.81 | 73.62 | | | |
| | | | ETR-141 | 37.45 | 74.90 | | | |
| | | | ETR-142 | 36.32 | 72.64 | | | |
| | | | ETR-143 | 37.69 | 75.38 | | | |
| | | | ETR-144 | 37.00 | 74.00 | | | |
| | | | ETR-145 | 41.63 | 83.26 | | | |
| | | | ETR-146 | 37.20 | 74.40 | | | |

SUMMARY OF WEIGHTED AVERAGE TEMPERATURES

| | | | | | |
|------------------------|--------|------------------------|--------|-------------------------|--------|
| UPPER VOLUME (DEG. F.) | 72.45 | LOWER VOLUME (DEG. F.) | 73.44 | ICE CONDENSER (DEG. F.) | 17.01 |
| UPPER VOLUME (DEG. R.) | 532.15 | LOWER VOLUME (DEG. R.) | 533.14 | ICE CONDENSER (DEG. R.) | 476.71 |

CONTAINMENT VAPOR PRESSURE DATA CHECK

| HYGROMETER | MILLI-VOLTS | DEW POINT (DEG. F.) | VAPOR PRESSURE (PSIA) |
|------------|-------------|---------------------|-----------------------|
| UPPER: | | | |
| VPU-1 | 16.33 | 32.36 | 0.0899 |
| VPU-2 | 0.0 | 32.00 | 0.0 |
| LOWER: | | | |
| VPL-1 | 20.47 | 40.56 | 0.1243 |
| VPL-2 | 18.64 | 36.91 | 0.1078 |
| ICE: | | | |
| VPI-1 | 9.25 | 18.21 | 0.0463 |
| VPI-2 | -1.22 | 10.04 | 0.0309 |

AVERAGE VAPOR PRESSURES

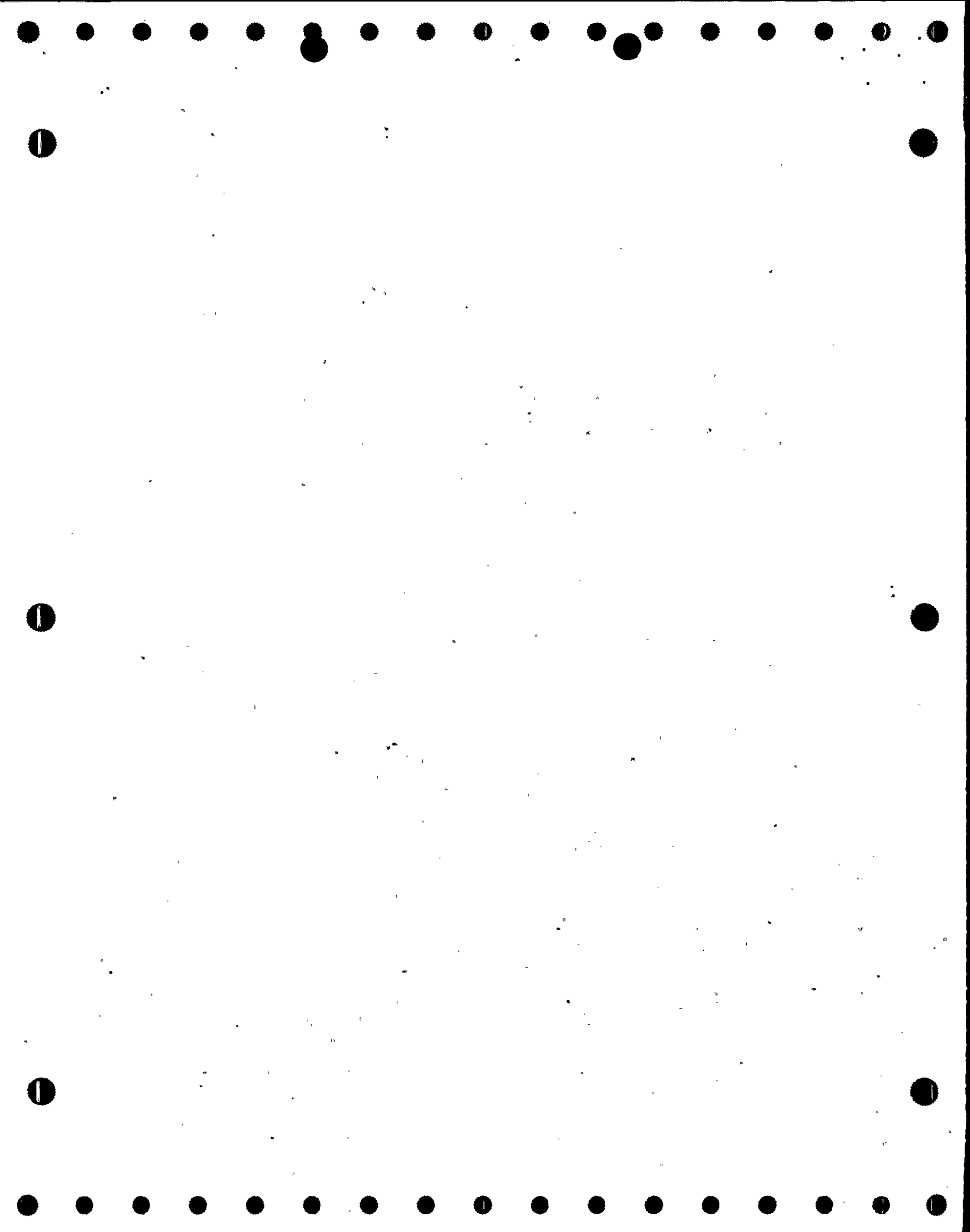
| | |
|--------------------------|--------|
| UPPER CONTAINMENT (PSIA) | 0.0899 |
| LOWER CONTAINMENT (PSIA) | 0.1160 |
| ICE CONDENSER (PSIA) | 0.0386 |

CONTAINMENT PRESSURES DATA CHECK

| MANOMETER | UNCORRECTED READING (PSIA) | CORRECTED READING (PSIA) |
|-----------|----------------------------|--------------------------|
| UPPER: | | |
| PU-1 | 26.9840 | 26.7976 |
| PU-2 | 26.8475 | 26.8463 |
| LOWER: | | |
| PL-1 | 0.0 | 0.0 |
| PL-2 | 26.8293 | 26.8277 |
| ICE: | | |
| PI-1 | 26.8493 | 26.8484 |
| PI-2 | 26.8636 | 26.8623 |
| AMBIENT | 14.4600 | 14.4537 |

SUMMARY OF CORRECTED AVERAGE PRESSURES

| | |
|---------------------------------------|---------|
| AVERAGE UPPER PRESSURE (PSIA) | 26.8220 |
| AVERAGE LOWER PRESSURE (PSIA) | 26.8277 |
| AVERAGE ICE CONDENSER PRESSURE (PSIA) | 26.8554 |
| AVERAGE CONTAINMENT PRESSURE (PSIA) | 26.8350 |
| AVERAGE CONTAINMENT PRESSURE (PSIG) | 12.3814 |



RUN NUMBER 17
ELAPSED TIME 39.00

CONTAINMENT TEMPERATURES DATA CHECK

| UPPER VOLUME | | | LOWER VOLUME | | | ICE CONDENSER | | |
|--------------|-------------|---------|--------------|-------------|---------|---------------|-------------|---------|
| RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. |
| ETR-101 | 39.46 | 78.92 | ETR-122 | 35.96 | 71.92 | ETR-115 | 8.98 | 17.96 |
| ETR-102 | 37.44 | 74.88 | ETR-123 | 36.70 | 73.40 | ETR-116 | 8.91 | 17.82 |
| ETR-103 | 35.66 | 71.32 | ETR-124 | 37.34 | 74.68 | ETR-117 | 8.62 | 17.24 |
| ETR-104 | 35.59 | 71.18 | ETR-125 | 36.09 | 72.18 | ETR-118 | 10.73 | 21.46 |
| ETR-105 | 35.96 | 71.92 | ETR-126 | 36.13 | 72.26 | ETR-119 | 8.38 | 16.76 |
| ETR-106 | 36.23 | 72.46 | ETR-127 | 33.90 | 67.80 | ETR-120 | 8.08 | 16.16 |
| ETR-107 | 35.85 | 71.70 | ETR-129 | 37.25 | 74.50 | ETR-121 | 8.35 | 16.70 |
| ETR-108 | 35.81 | 71.62 | ETR-130 | 35.66 | 71.32 | | | |
| ETR-109 | 35.56 | 71.12 | ETR-131 | 33.91 | 67.82 | | | |
| ETR-110 | 35.42 | 70.84 | ETR-132 | 37.72 | 75.44 | | | |
| ETR-111 | 35.56 | 71.12 | ETR-134 | 36.71 | 73.42 | | | |
| ETR-112 | 35.54 | 71.08 | ETR-135 | 36.65 | 73.30 | | | |
| ETR-114 | 34.87 | 69.74 | ETR-136 | 36.70 | 73.40 | | | |
| ETR-128 | 36.95 | 73.90 | ETR-137 | 36.40 | 72.80 | | | |
| ETR-133 | 34.37 | 68.74 | ETR-138 | 36.74 | 73.48 | | | |
| ETR-113 | 37.44 | 74.88 | ETR-139 | 34.00 | 68.00 | | | |
| | | | ETR-140 | 36.80 | 73.60 | | | |
| | | | ETR-141 | 37.46 | 74.92 | | | |
| | | | ETR-142 | 36.32 | 72.64 | | | |
| | | | ETR-143 | 37.69 | 75.38 | | | |
| | | | ETR-144 | 37.01 | 74.02 | | | |
| | | | ETR-145 | 41.64 | 83.28 | | | |
| | | | ETR-146 | 37.18 | 74.36 | | | |

SUMMARY OF WEIGHTED AVERAGE TEMPERATURES

| | | | | | |
|------------------------|--------|------------------------|--------|-------------------------|--------|
| UPPER VOLUME (DEG. F.) | 72.45 | LOWER VOLUME (DEG. F.) | 73.43 | ICE CONDENSER (DEG. F.) | 17.12 |
| UPPER VOLUME (DEG. R.) | 532.15 | LOWER VOLUME (DEG. R.) | 533.13 | ICE CONDENSER (DEG. R.) | 476.82 |

CONTAINMENT VAPOR PRESSURE DATA CHECK

| | MILLI-VOLTS | DEW POINT (DEG. F.) | VAPOR PRESSURE (PSIA) |
|--------|-------------|---------------------|-----------------------|
| UPPER: | | | |
| VPU-1 | 16.43 | 32.56 | 0.0906 |
| VPU-2 | 0.0 | 32.00 | 0.0 |
| LOWER: | | | |
| VPL-1 | 20.59 | 40.80 | 0.1255 |
| VPL-2 | 18.44 | 36.51 | 0.1061 |
| ICE: | | | |
| VPI-1 | 8.18 | 16.08 | 0.0417 |
| VPI-2 | -1.33 | 8.06 | 0.0280 |

AVERAGE VAPOR PRESSURES

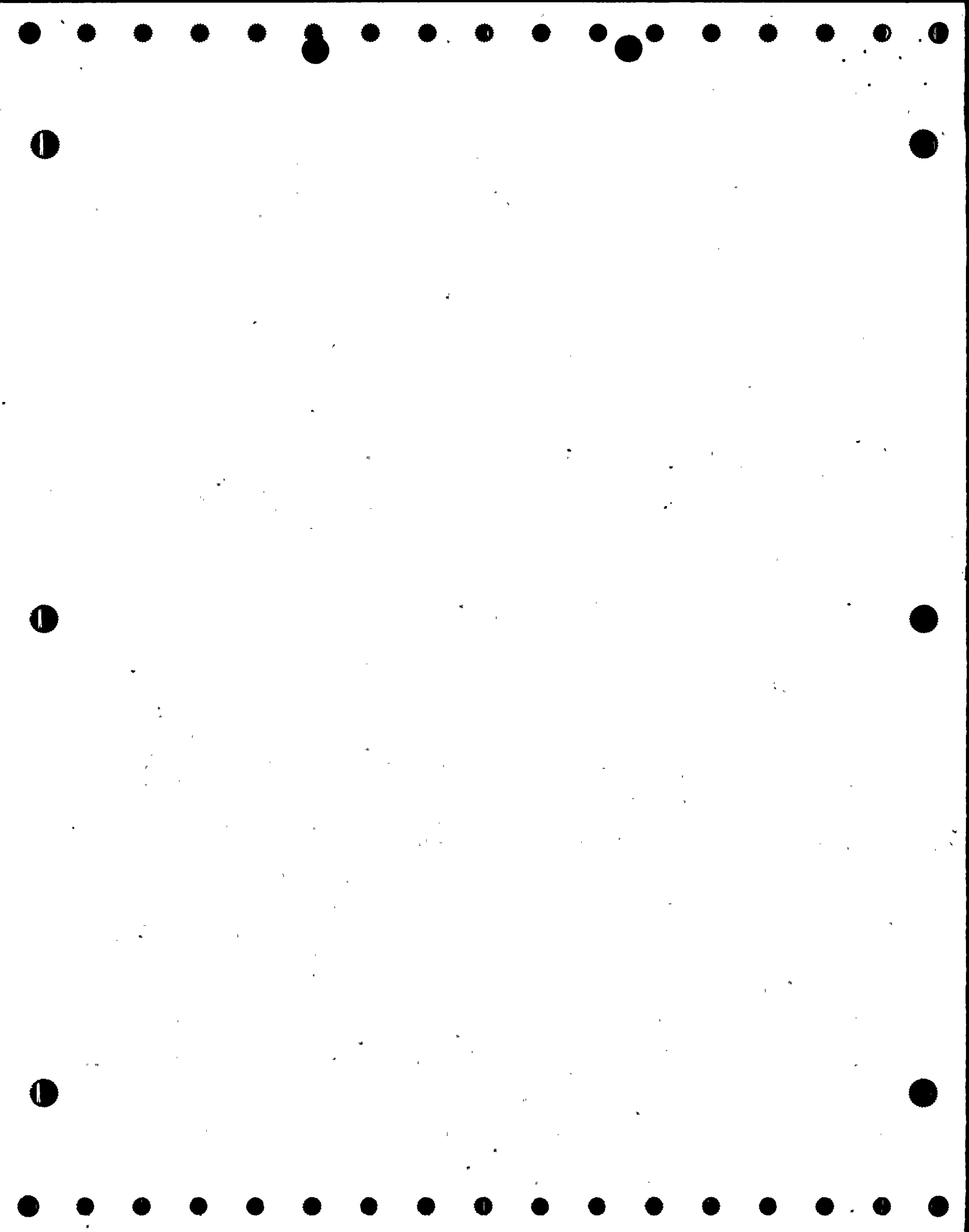
| | |
|--------------------------|--------|
| UPPER CONTAINMENT (PSIA) | 0.0906 |
| LOWER CONTAINMENT (PSIA) | 0.1158 |
| ICE CONDENSER (PSIA) | 0.0349 |

CONTAINMENT PRESSURES DATA CHECK

| | UNCORRECTED READING (PSIA) | CORRECTED READING (PSIA) |
|---------|----------------------------|--------------------------|
| UPPER: | | |
| PU-1 | 26.9810 | 26.7946 |
| PU-2 | 26.8444 | 26.8432 |
| LOWER: | | |
| PL-1 | 0.0 | 0.0 |
| PL-2 | 26.8262 | 26.8246 |
| ICE: | | |
| PI-1 | 26.8460 | 26.8451 |
| PI-2 | 26.8610 | 26.8597 |
| AMBIENT | 14.4700 | 14.4636 |

SUMMARY OF CORRECTED AVERAGE PRESSURES

| | |
|---------------------------------------|---------|
| AVERAGE UPPER PRESSURE (PSIA) | 26.8189 |
| AVERAGE LOWER PRESSURE (PSIA) | 26.8246 |
| AVERAGE ICE CONDENSER PRESSURE (PSIA) | 26.8524 |
| AVERAGE CONTAINMENT PRESSURE (PSIA) | 26.8320 |
| AVERAGE CONTAINMENT PRESSURE (PSIG) | 12.3684 |



RUN NUMBER 18
ELAPSED TIME 39.50

CONTAINMENT TEMPERATURES DATA CHECK

| UPPER VOLUME | | | LOWER VOLUME | | | ICE CONDENSER | | |
|--------------|-------------|---------|--------------|-------------|---------|---------------|-------------|---------|
| RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. |
| ETR-101 | 39.45 | 78.90 | ETR-122 | 35.97 | 71.94 | ETR-115 | 8.86 | 17.72 |
| ETR-102 | 37.42 | 74.84 | ETR-123 | 36.74 | 73.48 | ETR-116 | 8.83 | 17.66 |
| ETR-103 | 35.62 | 71.24 | ETR-124 | 37.29 | 74.58 | ETR-117 | 8.43 | 16.86 |
| ETR-104 | 35.59 | 71.18 | ETR-125 | 36.09 | 72.18 | ETR-118 | 10.00 | 20.00 |
| ETR-105 | 35.93 | 71.86 | ETR-126 | 36.13 | 72.26 | ETR-119 | 8.38 | 16.76 |
| ETR-106 | 36.21 | 72.42 | ETR-127 | 33.91 | 67.82 | ETR-120 | 8.05 | 16.10 |
| ETR-107 | 35.82 | 71.64 | ETR-129 | 37.26 | 74.52 | ETR-121 | 8.35 | 16.70 |
| ETR-108 | 35.81 | 71.62 | ETR-130 | 35.65 | 71.30 | | | |
| ETR-109 | 35.62 | 71.24 | ETR-131 | 33.89 | 67.78 | | | |
| ETR-110 | 35.49 | 70.98 | ETR-132 | 37.73 | 75.46 | | | |
| ETR-111 | 35.56 | 71.12 | ETR-134 | 36.69 | 73.38 | | | |
| ETR-112 | 35.59 | 71.18 | ETR-135 | 36.65 | 73.30 | | | |
| ETR-114 | 34.88 | 69.76 | ETR-136 | 36.66 | 73.32 | | | |
| ETR-128 | 36.98 | 73.96 | ETR-137 | 36.38 | 72.76 | | | |
| ETR-133 | 34.38 | 68.76 | ETR-138 | 36.74 | 73.48 | | | |
| ETR-113 | 37.43 | 74.86 | ETR-139 | 33.99 | 67.98 | | | |
| | | | ETR-140 | 36.81 | 73.62 | | | |
| | | | ETR-141 | 37.45 | 74.90 | | | |
| | | | ETR-142 | 36.32 | 72.64 | | | |
| | | | ETR-143 | 37.69 | 75.38 | | | |
| | | | ETR-144 | 37.01 | 74.02 | | | |
| | | | ETR-145 | 41.62 | 83.24 | | | |
| | | | ETR-146 | 37.18 | 74.36 | | | |

SUMMARY OF WEIGHTED AVERAGE TEMPERATURES

| | | | | | |
|------------------------|--------|------------------------|--------|-------------------------|--------|
| UPPER VOLUME (DEG. F.) | 72.43 | LOWER VOLUME (DEG. F.) | 73.41 | ICE CONDENSER (DEG. F.) | 16.94 |
| UPPER VOLUME (DEG. R.) | 532.13 | LOWER VOLUME (DEG. R.) | 533.11 | ICE CONDENSER (DEG. R.) | 476.64 |

CONTAINMENT VAPOR PRESSURE DATA CHECK

| HYGROMETER | MILLI-VOLTS | DEW POINT (DEG. F.) | VAPOR PRESSURE (PSIA) |
|------------|-------------|---------------------|-----------------------|
| UPPER: | | | |
| VPU-1 | 16.38 | 32.46 | 0.0903 |
| VPU-2 | 0.0 | 32.00 | 0.0 |
| LOWER: | | | |
| VPL-1 | 20.64 | 40.90 | 0.1260 |
| VPL-2 | 18.49 | 36.61 | 0.1065 |
| ICE: | | | |
| VPI-1 | 8.40 | 16.53 | 0.0427 |
| VPI-2 | -1.31 | 8.42 | 0.0285 |

CONTAINMENT PRESSURES DATA CHECK

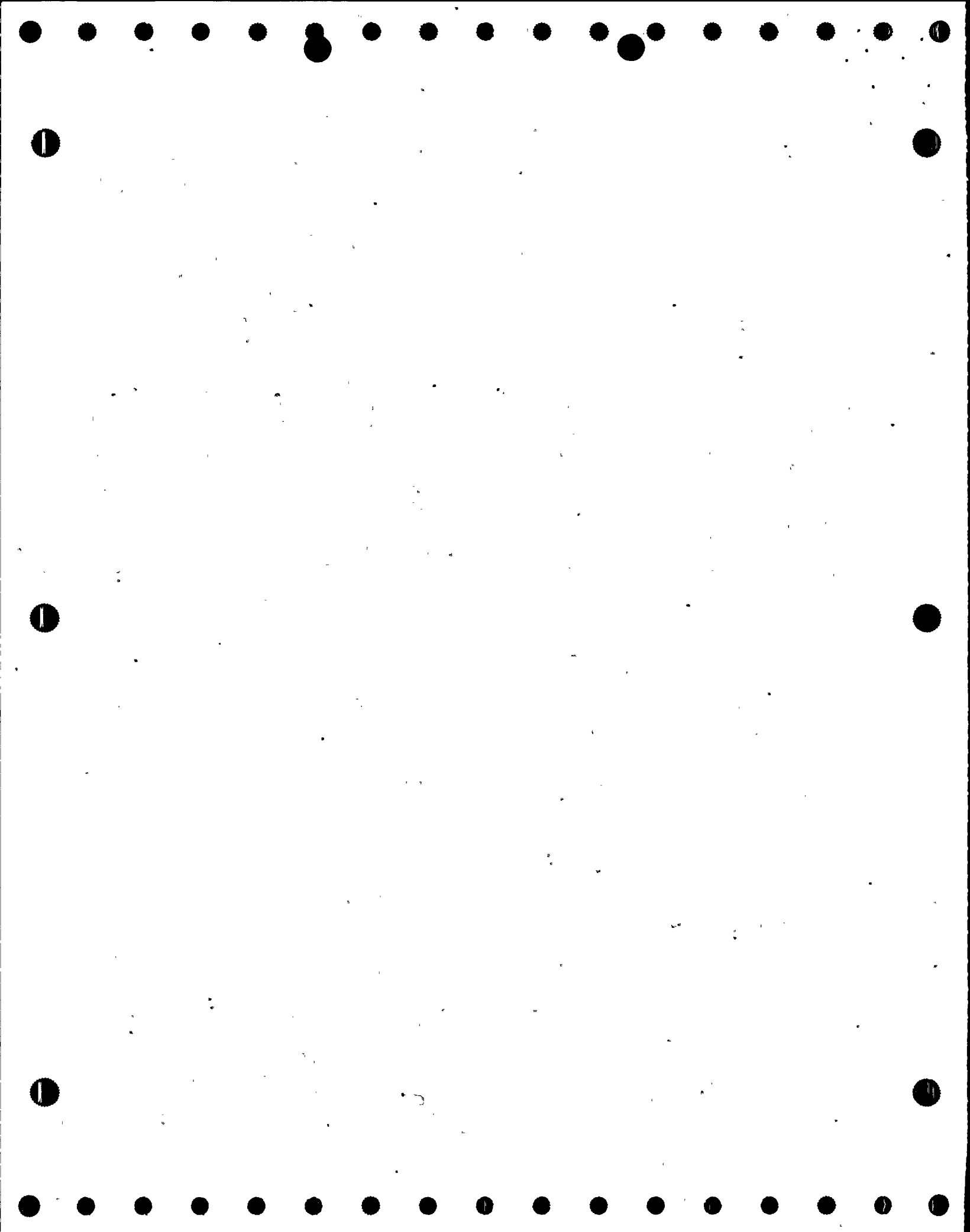
| MANOMETER | UNCORRECTED READING (PSIA) | CORRECTED READING (PSIA) |
|-----------|----------------------------|--------------------------|
| UPPER: | | |
| PU-1 | 26.9780 | 26.7916 |
| PU-2 | 26.8418 | 26.8406 |
| LOWER: | | |
| PL-1 | 0.0 | 0.0 |
| PL-2 | 26.8417 | 26.8401 |
| ICE: | | |
| PI-1 | 26.8438 | 26.8429 |
| PI-2 | 26.8601 | 26.8588 |
| AMBIENT | 14.4700 | 14.4636 |

AVERAGE VAPOR PRESSURES

| | |
|--------------------------|--------|
| UPPER CONTAINMENT (PSIA) | 0.0903 |
| LOWER CONTAINMENT (PSIA) | 0.1162 |
| ICE CONDENSER (PSIA) | 0.0356 |

SUMMARY OF CORRECTED AVERAGE PRESSURES

| | |
|---------------------------------------|---------|
| AVERAGE UPPER PRESSURE (PSIA) | 26.8161 |
| AVERAGE LOWER PRESSURE (PSIA) | 26.8401 |
| AVERAGE ICE CONDENSER PRESSURE (PSIA) | 26.8509 |
| AVERAGE CONTAINMENT PRESSURE (PSIA) | 26.8357 |
| AVERAGE CONTAINMENT PRESSURE (PSIG) | 12.3721 |



RUN NUMBER 19
ELAPSED TIME 40.00

CONTAINMENT TEMPERATURES DATA CHECK

| UPPER VOLUME | | | LOWER VOLUME | | | ICE CONDENSER | | |
|--------------|-------------|---------|--------------|-------------|---------|---------------|-------------|---------|
| RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. |
| ETR-101 | 39.41 | 78.82 | ETR-122 | 35.98 | 71.96 | ETR-115 | 8.84 | 17.68 |
| ETR-102 | 37.40 | 74.80 | ETR-123 | 36.72 | 73.44 | ETR-116 | 8.60 | 17.20 |
| ETR-103 | 35.61 | 71.22 | ETR-124 | 37.35 | 74.70 | ETR-117 | 8.22 | 16.44 |
| ETR-104 | 35.58 | 71.16 | ETR-125 | 36.07 | 72.14 | ETR-118 | 9.54 | 19.08 |
| ETR-105 | 35.91 | 71.82 | ETR-126 | 36.15 | 72.30 | ETR-119 | 8.38 | 16.76 |
| ETR-106 | 36.20 | 72.40 | ETR-127 | 33.89 | 67.78 | ETR-120 | 8.06 | 16.12 |
| ETR-107 | 35.80 | 71.60 | ETR-129 | 37.26 | 74.52 | ETR-121 | 8.36 | 16.72 |
| ETR-108 | 35.77 | 71.54 | ETR-130 | 35.66 | 71.32 | | | |
| ETR-109 | 35.56 | 71.12 | ETR-131 | 33.90 | 67.80 | | | |
| ETR-110 | 35.44 | 70.88 | ETR-132 | 37.72 | 75.44 | | | |
| ETR-111 | 35.56 | 71.12 | ETR-134 | 36.77 | 73.54 | | | |
| ETR-112 | 35.54 | 71.08 | ETR-135 | 36.60 | 73.20 | | | |
| ETR-114 | 34.87 | 69.74 | ETR-136 | 36.68 | 73.36 | | | |
| ETR-128 | 36.97 | 73.94 | ETR-137 | 36.36 | 72.72 | | | |
| ETR-133 | 34.37 | 68.74 | ETR-138 | 36.77 | 73.54 | | | |
| ETR-113 | 37.48 | 74.96 | ETR-139 | 34.01 | 68.02 | | | |
| | | | ETR-140 | 36.81 | 73.62 | | | |
| | | | ETR-141 | 37.45 | 74.90 | | | |
| | | | ETR-142 | 36.32 | 72.64 | | | |
| | | | ETR-143 | 37.70 | 75.40 | | | |
| | | | ETR-144 | 37.00 | 74.00 | | | |
| | | | ETR-145 | 41.66 | 83.32 | | | |
| | | | ETR-146 | 37.20 | 74.40 | | | |

SUMMARY OF WEIGHTED AVERAGE TEMPERATURES

| | | | | | |
|------------------------|--------|------------------------|--------|-------------------------|--------|
| UPPER VOLUME (DEG. F.) | 72.40 | LOWER VOLUME (DEG. F.) | 73.43 | ICE CONDENSER (DEG. F.) | 16.82 |
| UPPER VOLUME (DEG. R.) | 532.10 | LOWER VOLUME (DEG. R.) | 533.13 | ICE CONDENSER (DEG. R.) | 476.52 |

CONTAINMENT VAPOR PRESSURE DATA CHECK

| HYGROMETER | MILLI-VOLTS | DEW POINT (DEG. F.) | VAPOR PRESSURE (PSIA) |
|------------|-------------|---------------------|-----------------------|
| UPPER: | | | |
| VPU-1 | 16.43 | 32.56 | 0.0906 |
| VPU-2 | 0.0 | 32.00 | 0.0 |
| LOWER: | | | |
| VPL-1 | 20.70 | 41.02 | 0.1265 |
| VPL-2 | 18.51 | 36.65 | 0.1067 |
| ICE: | | | |
| VPI-1 | 8.83 | 17.38 | 0.0445 |
| VPI-2 | -1.27 | 9.14 | 0.0296 |

CONTAINMENT PRESSURES DATA CHECK

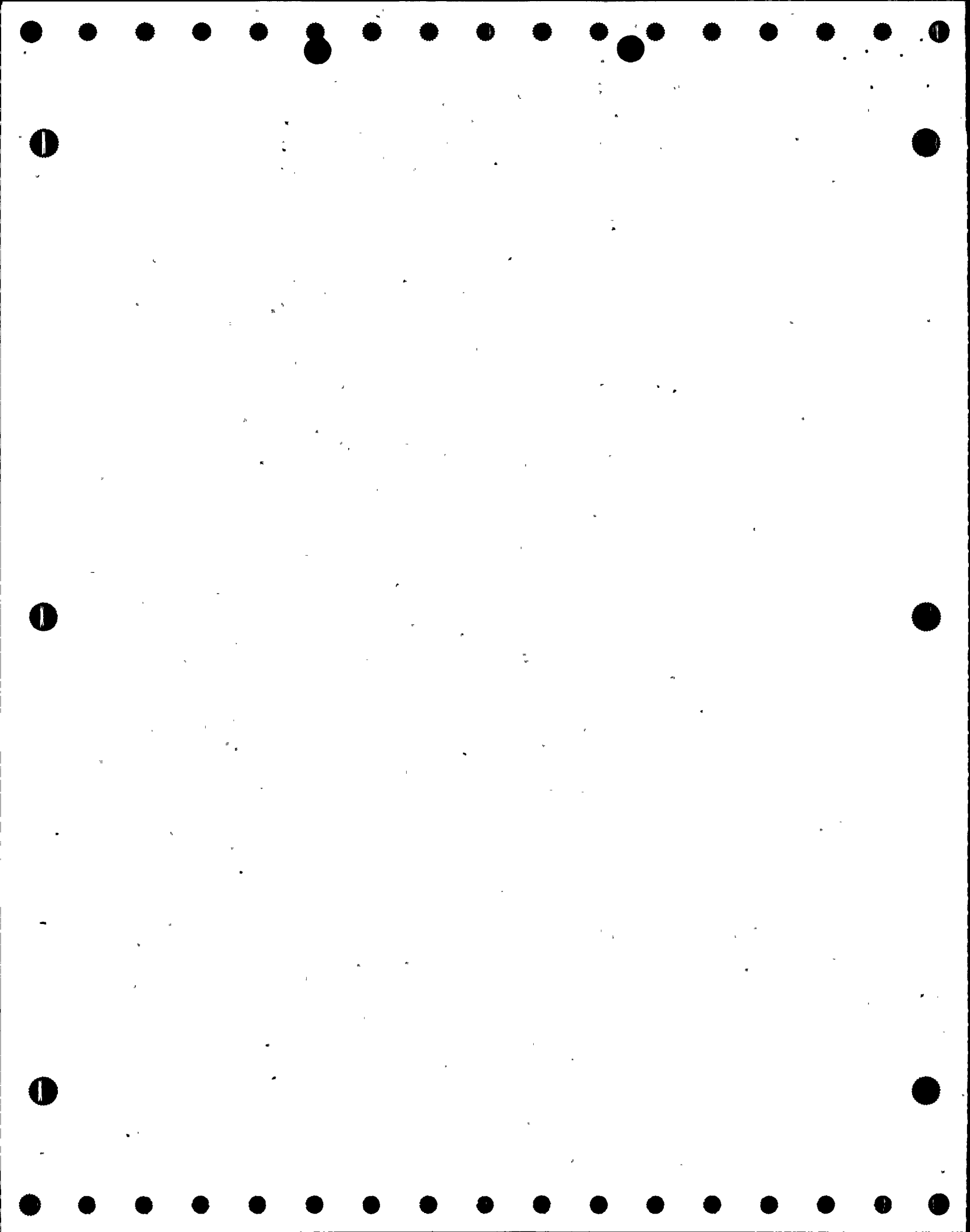
| MANOMETER | UNCORRECTED READING (PSIA) | CORRECTED READING (PSIA) |
|-----------|----------------------------|--------------------------|
| UPPER: | | |
| PU-1 | 26.9750 | 26.7887 |
| PU-2 | 26.8391 | 26.8379 |
| LOWER: | | |
| PL-1 | 0.0 | 0.0 |
| PL-2 | 26.8209 | 26.8193 |
| ICE: | | |
| PI-1 | 26.8409 | 26.8400 |
| PI-2 | 26.8561 | 26.8548 |
| AMBIENT | 14.4500 | 14.4437 |

AVERAGE VAPOR PRESSURES

| | |
|--------------------------|--------|
| UPPER CONTAINMENT (PSIA) | 0.0906 |
| LOWER CONTAINMENT (PSIA) | 0.1166 |
| ICE CONDENSER (PSIA) | 0.0370 |

SUMMARY OF CORRECTED AVERAGE PRESSURES

| | |
|---------------------------------------|---------|
| AVERAGE UPPER PRESSURE (PSIA) | 26.8133 |
| AVERAGE LOWER PRESSURE (PSIA) | 26.8193 |
| AVERAGE ICE CONDENSER PRESSURE (PSIA) | 26.8474 |
| AVERAGE CONTAINMENT PRESSURE (PSIA) | 26.8267 |
| AVERAGE CONTAINMENT PRESSURE (PSIG) | 12.3830 |



RUN NUMBER 20
ELAPSED TIME 40.50

CONTAINMENT TEMPERATURES DATA CHECK

| UPPER VOLUME | | | LOWER VOLUME | | | ICE CONDENSER | | |
|--------------|-------------|---------|--------------|-------------|---------|---------------|-------------|---------|
| RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. |
| ETR-101 | 39.39 | 78.78 | ETR-122 | 35.98 | 71.96 | ETR-115 | 9.19 | 18.38 |
| ETR-102 | 37.39 | 74.78 | ETR-123 | 36.72 | 73.44 | ETR-116 | 8.67 | 17.34 |
| ETR-103 | 35.61 | 71.22 | ETR-124 | 37.33 | 74.66 | ETR-117 | 8.32 | 16.64 |
| ETR-104 | 35.56 | 71.12 | ETR-125 | 36.09 | 72.18 | ETR-118 | 9.51 | 19.02 |
| ETR-105 | 35.88 | 71.76 | ETR-126 | 36.15 | 72.30 | ETR-119 | 8.38 | 16.76 |
| ETR-106 | 36.20 | 72.40 | ETR-127 | 33.89 | 67.78 | ETR-120 | 8.05 | 16.10 |
| ETR-107 | 35.79 | 71.58 | ETR-129 | 37.24 | 74.48 | ETR-121 | 8.35 | 16.70 |
| ETR-108 | 35.78 | 71.56 | ETR-130 | 35.64 | 71.28 | | | |
| ETR-109 | 35.65 | 71.30 | ETR-131 | 33.90 | 67.80 | | | |
| ETR-110 | 35.47 | 70.94 | ETR-132 | 37.73 | 75.46 | | | |
| ETR-111 | 35.59 | 71.18 | ETR-134 | 36.79 | 73.58 | | | |
| ETR-112 | 35.52 | 71.04 | ETR-135 | 36.61 | 73.22 | | | |
| ETR-114 | 34.83 | 69.66 | ETR-136 | 36.68 | 73.36 | | | |
| ETR-128 | 36.99 | 73.98 | ETR-137 | 36.37 | 72.74 | | | |
| ETR-133 | 34.38 | 68.76 | ETR-138 | 36.77 | 73.54 | | | |
| ETR-113 | 37.44 | 74.88 | ETR-139 | 34.02 | 68.04 | | | |
| | | | ETR-140 | 36.81 | 73.62 | | | |
| | | | ETR-141 | 37.46 | 74.92 | | | |
| | | | ETR-142 | 36.33 | 72.66 | | | |
| | | | ETR-143 | 37.70 | 75.40 | | | |
| | | | ETR-144 | 37.01 | 74.02 | | | |
| | | | ETR-145 | 41.66 | 83.32 | | | |
| | | | ETR-146 | 37.20 | 74.40 | | | |

SUMMARY OF WEIGHTED AVERAGE TEMPERATURES

| | | | | | |
|------------------------|--------|------------------------|--------|-------------------------|--------|
| UPPER VOLUME (DEG. F.) | 72.38 | LOWER VOLUME (DEG. F.) | 73.43 | ICE CONDENSER (DEG. F.) | 16.88 |
| UPPER VOLUME (DEG. R.) | 532.08 | LOWER VOLUME (DEG. R.) | 533.13 | ICE CONDENSER (DEG. R.) | 476.58 |

CONTAINMENT VAPOR PRESSURE DATA CHECK

| | MILLI-VOLTS | DEW POINT (DEG. F.) | VAPOR PRESSURE (PSIA) |
|--------|-------------|---------------------|-----------------------|
| UPPER: | | | |
| VPU-1 | 16.37 | 32.44 | 0.0902 |
| VPU-2 | 0.0 | 32.00 | 0.0 |
| LOWER: | | | |
| VPL-1 | 20.79 | 41.20 | 0.1274 |
| VPL-2 | 18.52 | 36.67 | 0.1067 |
| ICE: | | | |
| VPI-1 | 8.79 | 17.30 | 0.0443 |
| VPI-2 | -1.27 | 9.14 | 0.0296 |

CONTAINMENT PRESSURES DATA CHECK

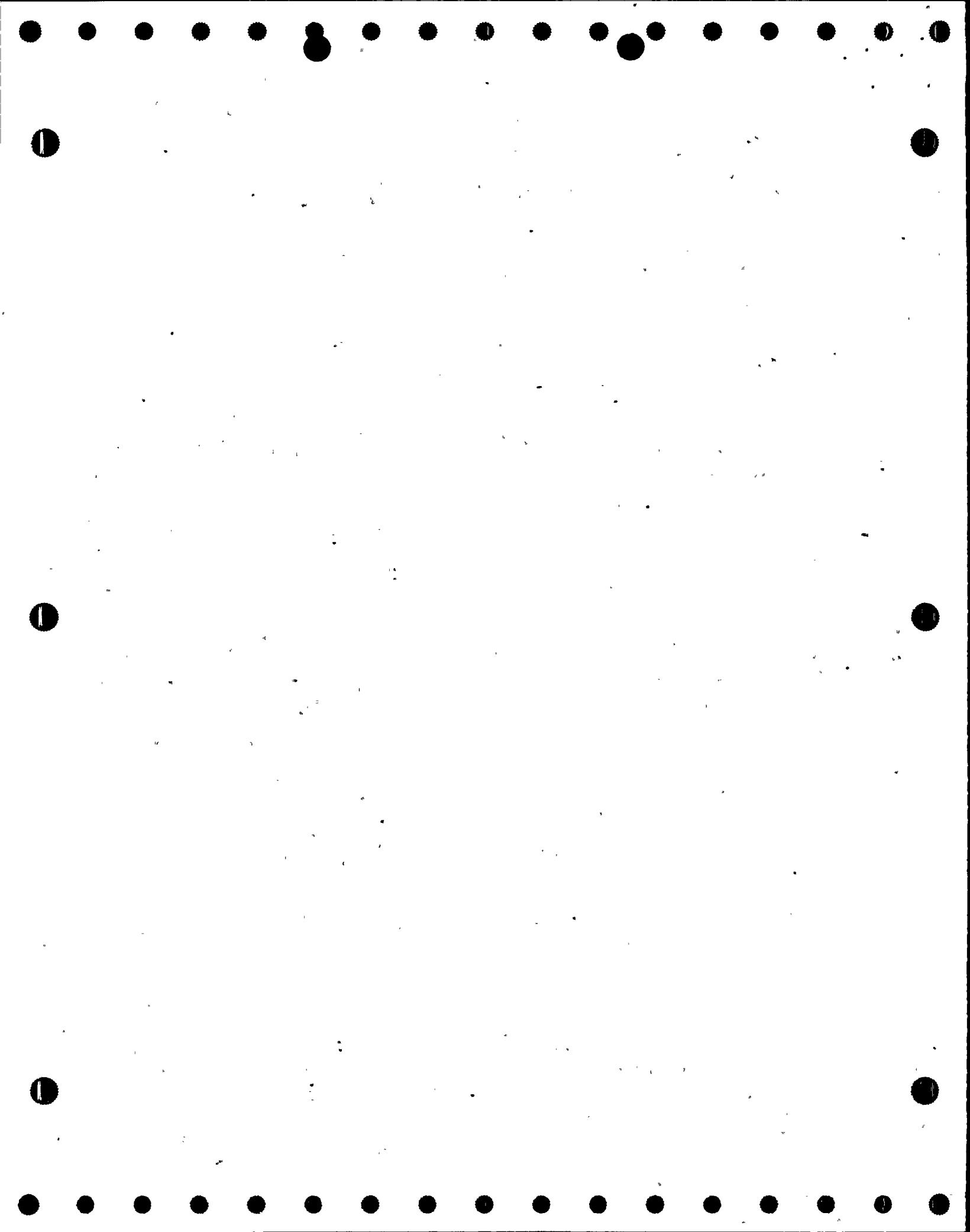
| | UNCORRECTED READING (PSIA) | CORRECTED READING (PSIA) |
|---------|----------------------------|--------------------------|
| UPPER: | | |
| PU-1 | 26.9750 | 26.7887 |
| PU-2 | 26.8381 | 26.8369 |
| LOWER: | | |
| PL-1 | 0.0 | 0.0 |
| PL-2 | 26.8195 | 26.8179 |
| ICE: | | |
| PI-1 | 26.8403 | 26.8394 |
| PI-2 | 26.8562 | 26.8549 |
| AMBIENT | 14.4431 | 14.4369 |

AVERAGE VAPOR PRESSURES

| | |
|--------------------------|--------|
| UPPER CONTAINMENT (PSIA) | 0.0902 |
| LOWER CONTAINMENT (PSIA) | 0.1171 |
| ICE CONDENSER (PSIA) | 0.0369 |

SUMMARY OF CORRECTED AVERAGE PRESSURES

| | |
|---------------------------------------|---------|
| AVERAGE UPPER PRESSURE (PSIA) | 26.8128 |
| AVERAGE LOWER PRESSURE (PSIA) | 26.8179 |
| AVERAGE ICE CONDENSER PRESSURE (PSIA) | 26.8472 |
| AVERAGE CONTAINMENT PRESSURE (PSIA) | 26.8260 |
| AVERAGE CONTAINMENT PRESSURE (PSIG) | 12.3891 |



RUN NUMBER 21
ELAPSED TIME 41.00

CONTAINMENT TEMPERATURES DATA CHECK

| UPPER VOLUME | | | LOWER VOLUME | | | ICE CONDENSER | | |
|--------------|-------------|---------|--------------|-------------|---------|---------------|-------------|---------|
| RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. |
| ETR-101 | 39.39 | 78.78 | ETR-122 | 35.97 | 71.94 | ETR-115 | 8.96 | 17.92 |
| ETR-102 | 37.37 | 74.74 | ETR-123 | 36.68 | 73.36 | ETR-116 | 8.60 | 17.20 |
| ETR-103 | 35.66 | 71.32 | ETR-124 | 37.36 | 74.72 | ETR-117 | 8.23 | 16.46 |
| ETR-104 | 35.59 | 71.18 | ETR-125 | 36.09 | 72.18 | ETR-118 | 9.47 | 18.94 |
| ETR-105 | 35.94 | 71.88 | ETR-126 | 36.14 | 72.28 | ETR-119 | 8.37 | 16.74 |
| ETR-106 | 36.20 | 72.40 | ETR-127 | 33.92 | 67.84 | ETR-120 | 8.04 | 16.08 |
| ETR-107 | 35.82 | 71.64 | ETR-129 | 37.26 | 74.52 | ETR-121 | 8.34 | 16.68 |
| ETR-108 | 35.79 | 71.58 | ETR-130 | 35.65 | 71.30 | | | |
| ETR-109 | 35.58 | 71.16 | ETR-131 | 33.90 | 67.80 | | | |
| ETR-110 | 35.42 | 70.84 | ETR-132 | 37.73 | 75.46 | | | |
| ETR-111 | 35.56 | 71.12 | ETR-134 | 36.68 | 73.36 | | | |
| ETR-112 | 35.54 | 71.08 | ETR-135 | 36.67 | 73.34 | | | |
| ETR-114 | 34.87 | 69.74 | ETR-136 | 36.67 | 73.34 | | | |
| ETR-128 | 36.98 | 73.96 | ETR-137 | 36.34 | 72.68 | | | |
| ETR-133 | 34.38 | 68.76 | ETR-138 | 36.74 | 73.48 | | | |
| ETR-113 | 37.47 | 74.94 | ETR-139 | 34.02 | 68.04 | | | |
| | | | ETR-140 | 36.81 | 73.62 | | | |
| | | | ETR-141 | 37.46 | 74.92 | | | |
| | | | ETR-142 | 36.33 | 72.66 | | | |
| | | | ETR-143 | 37.70 | 75.40 | | | |
| | | | ETR-144 | 37.01 | 74.02 | | | |
| | | | ETR-145 | 41.66 | 83.32 | | | |
| | | | ETR-146 | 37.20 | 74.40 | | | |

SUMMARY OF WEIGHTED AVERAGE TEMPERATURES

| | | | | | |
|------------------------|--------|------------------------|--------|-------------------------|--------|
| UPPER VOLUME (DEG. F.) | 72.41 | LOWER VOLUME (DEG. F.) | 73.41 | ICE CONDENSER (DEG. F.) | 16.80 |
| UPPER VOLUME (DEG. R.) | 532.11 | LOWER VOLUME (DEG. R.) | 533.11 | ICE CONDENSER (DEG. R.) | 476.50 |

CONTAINMENT VAPOR PRESSURE DATA CHECK

| HYGROMETER | MILLI-VOLTS | DEW POINT (DEG. F.) | VAPOR PRESSURE (PSIA) |
|------------|-------------|---------------------|-----------------------|
| UPPER: | | | |
| VPU-1 | 16.40 | 32.50 | 0.0904 |
| VPU-2 | 0.0 | 32.00 | 0.0 |
| LOWER: | | | |
| VPL-1 | 20.94 | 41.50 | 0.1289 |
| VPL-2 | 18.51 | 36.65 | 0.1067 |
| ICE: | | | |
| VPI-1 | 6.32 | 12.42 | 0.0348 |
| VPI-2 | -1.30 | 8.60 | 0.0288 |

AVERAGE VAPOR PRESSURES

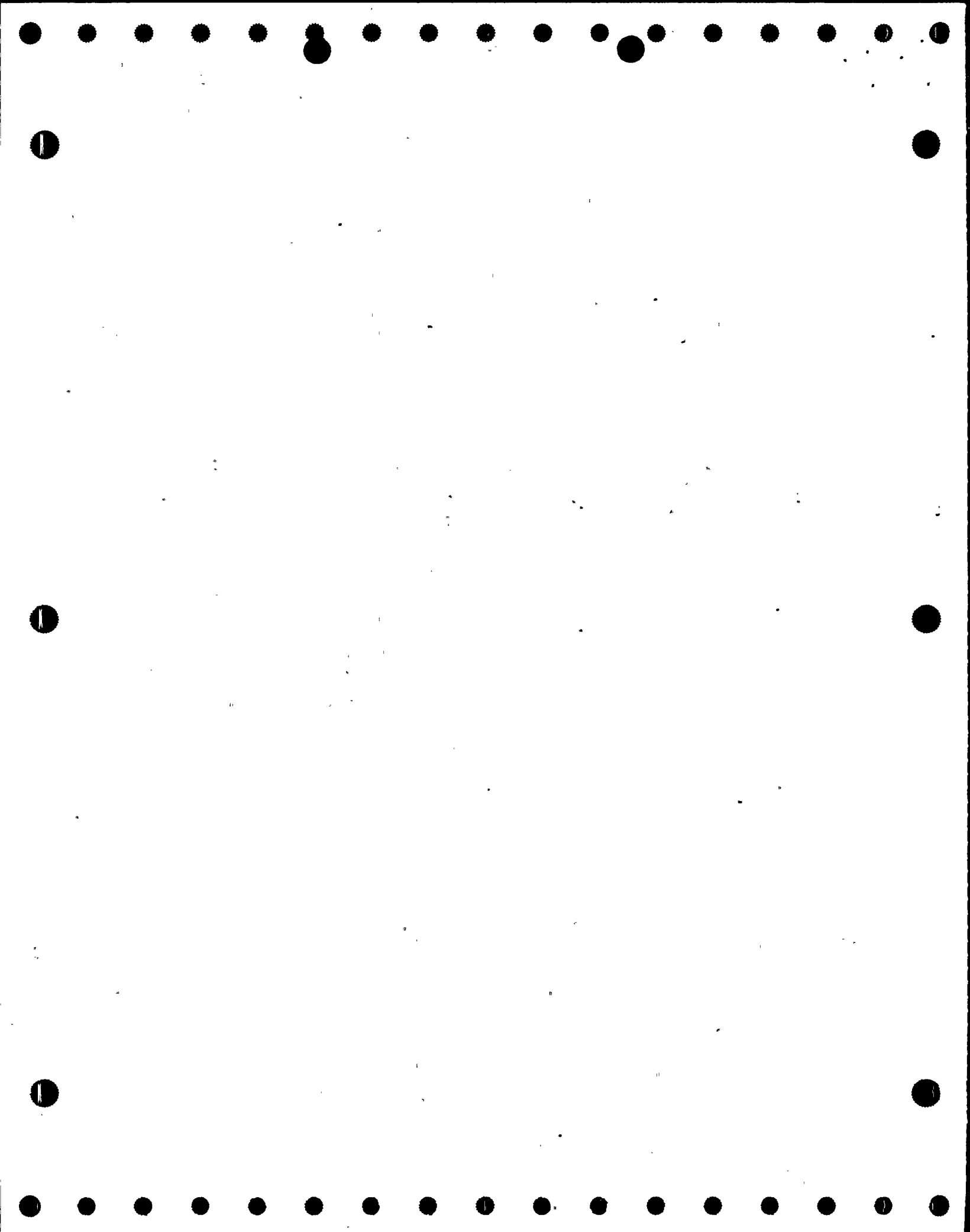
| | |
|--------------------------|--------|
| UPPER CONTAINMENT (PSIA) | 0.0904 |
| LOWER CONTAINMENT (PSIA) | 0.1178 |
| ICE CONDENSER (PSIA) | 0.0318 |

CONTAINMENT PRESSURES DATA CHECK

| MANOMETER | UNCORRECTED READING (PSIA) | CORRECTED READING (PSIA) |
|-----------|----------------------------|--------------------------|
| UPPER: | | |
| PU-1 | 26.9720 | 26.7857 |
| PU-2 | 26.8358 | 26.8346 |
| LOWER: | | |
| PL-1 | 0.0 | 0.0 |
| PL-2 | 26.8179 | 26.8163 |
| ICE: | | |
| PI-1 | 26.8380 | 26.8371 |
| PI-2 | 26.8527 | 26.8514 |
| AMBIENT | 14.4296 | 14.4235 |

SUMMARY OF CORRECTED AVERAGE PRESSURES

| | |
|---------------------------------------|---------|
| AVERAGE UPPER PRESSURE (PSIA) | 26.8102 |
| AVERAGE LOWER PRESSURE (PSIA) | 26.8163 |
| AVERAGE ICE CONDENSER PRESSURE (PSIA) | 26.8443 |
| AVERAGE CONTAINMENT PRESSURE (PSIA) | 26.8236 |
| AVERAGE CONTAINMENT PRESSURE (PSIG) | 12.4001 |



RUN NUMBER 22
ELAPSED TIME 41.50

CONTAINMENT TEMPERATURES DATA CHECK

| UPPER VOLUME | | | LOWER VOLUME | | | ICE CONDENSER | | |
|--------------|-------------|---------|--------------|-------------|---------|---------------|-------------|---------|
| RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. |
| ETR-101 | 39.38 | 78.76 | ETR-122 | 35.97 | 71.94 | ETR-115 | 8.74 | 17.48 |
| ETR-102 | 37.35 | 74.70 | ETR-123 | 36.75 | 73.50 | ETR-116 | 8.63 | 17.26 |
| ETR-103 | 35.65 | 71.30 | ETR-124 | 37.25 | 74.50 | ETR-117 | 8.11 | 16.22 |
| ETR-104 | 35.59 | 71.18 | ETR-125 | 36.10 | 72.20 | ETR-118 | 9.43 | 18.86 |
| ETR-105 | 35.90 | 71.80 | ETR-126 | 36.16 | 72.32 | ETR-119 | 8.40 | 16.80 |
| ETR-106 | 36.19 | 72.38 | ETR-127 | 33.89 | 67.78 | ETR-120 | 8.04 | 16.08 |
| ETR-107 | 35.84 | 71.68 | ETR-129 | 37.27 | 74.54 | ETR-121 | 8.34 | 16.68 |
| ETR-108 | 35.80 | 71.60 | ETR-130 | 35.65 | 71.30 | | | |
| ETR-109 | 35.60 | 71.20 | ETR-131 | 33.90 | 67.80 | | | |
| ETR-110 | 35.47 | 70.94 | ETR-132 | 37.74 | 75.48 | | | |
| ETR-111 | 35.56 | 71.12 | ETR-134 | 36.72 | 73.44 | | | |
| ETR-112 | 35.55 | 71.10 | ETR-135 | 36.64 | 73.28 | | | |
| ETR-114 | 34.90 | 69.80 | ETR-136 | 36.72 | 73.44 | | | |
| ETR-128 | 36.98 | 73.96 | ETR-137 | 36.37 | 72.74 | | | |
| ETR-133 | 34.36 | 68.72 | ETR-138 | 36.73 | 73.46 | | | |
| ETR-113 | 37.45 | 74.90 | ETR-139 | 34.03 | 68.06 | | | |
| | | | ETR-140 | 36.82 | 73.64 | | | |
| | | | ETR-141 | 37.46 | 74.92 | | | |
| | | | ETR-142 | 36.33 | 72.66 | | | |
| | | | ETR-143 | 37.70 | 75.40 | | | |
| | | | ETR-144 | 37.01 | 74.02 | | | |
| | | | ETR-145 | 41.66 | 83.32 | | | |
| | | | ETR-146 | 37.20 | 74.40 | | | |

SUMMARY OF WEIGHTED AVERAGE TEMPERATURES

| | | | | | |
|------------------------|--------|------------------------|--------|-------------------------|--------|
| UPPER VOLUME (DEG. F.) | 72.40 | LOWER VOLUME (DEG. F.) | 73.43 | ICE CONDENSER (DEG. F.) | 16.76 |
| UPPER VOLUME (DEG. R.) | 532.10 | LOWER VOLUME (DEG. R.) | 533.13 | ICE CONDENSER (DEG. R.) | 476.46 |

CONTAINMENT VAPOR PRESSURE DATA CHECK

| HYGROMETER | MILLI-VOLTS | DEW POINT (DEG. F.) | VAPOR PRESSURE (PSIA) |
|------------|-------------|---------------------|-----------------------|
| UPPER: | | | |
| VPU-1 | 16.45 | 32.60 | 0.0908 |
| VPU-2 | 0.0 | 32.00 | 0.0 |
| LOWER: | | | |
| VPL-1 | 21.00 | 41.62 | 0.1295 |
| VPL-2 | 18.49 | 36.61 | 0.1065 |
| ICE: | | | |
| VPI-1 | 7.29 | 14.32 | 0.0383 |
| VPI-2 | -1.23 | 9.86 | 0.0307 |

AVERAGE VAPOR PRESSURES

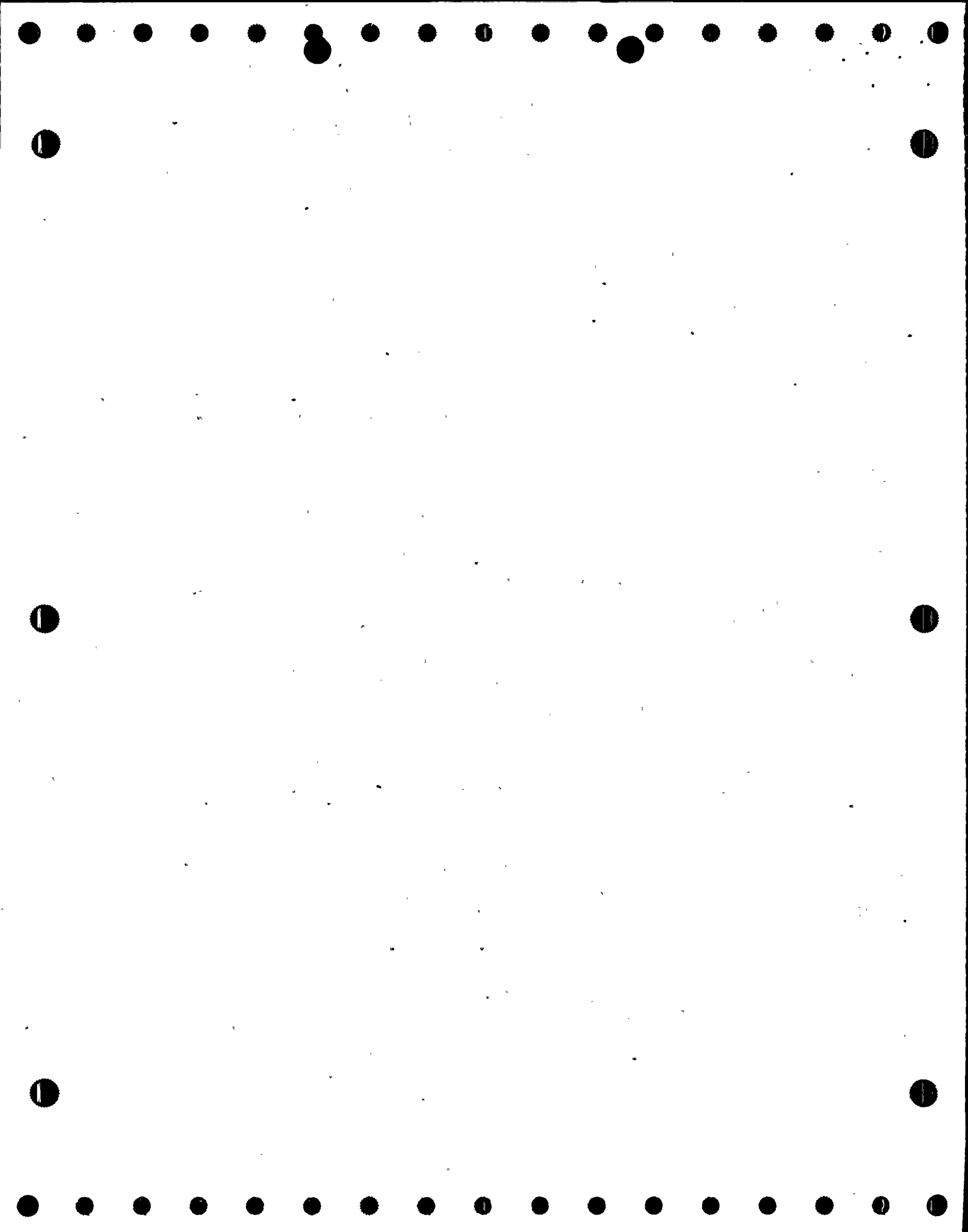
| | |
|--------------------------|--------|
| UPPER CONTAINMENT (PSIA) | 0.0908 |
| LOWER CONTAINMENT (PSIA) | 0.1180 |
| ICE CONDENSER (PSIA) | 0.0345 |

CONTAINMENT PRESSURES DATA CHECK

| MANOMETER | UNCORRECTED READING (PSIA) | CORRECTED READING (PSIA) |
|-----------|----------------------------|--------------------------|
| UPPER: | | |
| PU-1 | 26.9690 | 26.7827 |
| PU-2 | 26.8328 | 26.8316 |
| LOWER: | | |
| PL-1 | 0.0 | 0.0 |
| PL-2 | 26.8153 | 26.8137 |
| ICE: | | |
| PI-1 | 26.8352 | 26.8343 |
| PI-2 | 26.8496 | 26.8483 |
| AMBIENT | 14.4373 | 14.4311 |

SUMMARY OF CORRECTED AVERAGE PRESSURES

| | |
|---------------------------------------|---------|
| AVERAGE UPPER PRESSURE (PSIA) | 26.8072 |
| AVERAGE LOWER PRESSURE (PSIA) | 26.8137 |
| AVERAGE ICE CONDENSER PRESSURE (PSIA) | 26.8413 |
| AVERAGE CONTAINMENT PRESSURE (PSIA) | 26.8207 |
| AVERAGE CONTAINMENT PRESSURE (PSIG) | 12.3896 |



III

RUN NUMBER 23
ELAPSED TIME 42.00

CONTAINMENT TEMPERATURES DATA CHECK

| UPPER VOLUME | | | LOWER VOLUME | | | ICE CONDENSER | | |
|--------------|-------------|---------|--------------|-------------|---------|---------------|-------------|---------|
| RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. |
| ETR-101 | 39.36 | 78.72 | ETR-122 | 35.97 | 71.94 | ETR-115 | 8.69 | 17.38 |
| ETR-102 | 37.33 | 74.66 | ETR-123 | 36.70 | 73.40 | ETR-116 | 8.61 | 17.22 |
| ETR-103 | 35.62 | 71.24 | ETR-124 | 37.33 | 74.66 | ETR-117 | 8.24 | 16.48 |
| ETR-104 | 35.55 | 71.10 | ETR-125 | 36.02 | 72.04 | ETR-118 | 9.95 | 19.90 |
| ETR-105 | 35.88 | 71.76 | ETR-126 | 36.16 | 72.32 | ETR-119 | 8.37 | 16.74 |
| ETR-106 | 36.17 | 72.34 | ETR-127 | 33.89 | 67.78 | ETR-120 | 8.02 | 16.04 |
| ETR-107 | 35.76 | 71.52 | ETR-129 | 37.24 | 74.48 | ETR-121 | 8.34 | 16.68 |
| ETR-108 | 35.74 | 71.48 | ETR-130 | 35.65 | 71.30 | | | |
| ETR-109 | 35.64 | 71.28 | ETR-131 | 33.89 | 67.78 | | | |
| ETR-110 | 35.50 | 71.00 | ETR-132 | 37.74 | 75.48 | | | |
| ETR-111 | 35.56 | 71.12 | ETR-134 | 36.78 | 73.56 | | | |
| ETR-112 | 35.58 | 71.16 | ETR-135 | 36.62 | 73.24 | | | |
| ETR-114 | 34.83 | 69.66 | ETR-136 | 36.70 | 73.40 | | | |
| ETR-128 | 36.97 | 73.94 | ETR-137 | 36.36 | 72.72 | | | |
| ETR-133 | 34.37 | 68.74 | ETR-138 | 36.76 | 73.52 | | | |
| ETR-113 | 37.46 | 74.92 | ETR-139 | 34.02 | 68.04 | | | |
| | | | ETR-140 | 36.81 | 73.62 | | | |
| | | | ETR-141 | 37.49 | 74.98 | | | |
| | | | ETR-142 | 36.34 | 72.68 | | | |
| | | | ETR-143 | 37.70 | 75.40 | | | |
| | | | ETR-144 | 37.01 | 74.02 | | | |
| | | | ETR-145 | 41.66 | 83.32 | | | |
| | | | ETR-146 | 37.19 | 74.38 | | | |

SUMMARY OF WEIGHTED AVERAGE TEMPERATURES

| | | | | | |
|------------------------|--------|------------------------|--------|-------------------------|--------|
| UPPER VOLUME (DEG. F.) | 72.35 | LOWER VOLUME (DEG. F.) | 73.43 | ICE CONDENSER (DEG. F.) | 16.82 |
| UPPER VOLUME (DEG. R.) | 532.05 | LOWER VOLUME (DEG. R.) | 533.13 | ICE CONDENSER (DEG. R.) | 476.52 |

CONTAINMENT VAPOR PRESSURE DATA CHECK

| HYGROMETER | MILLI-VOLTS | DEW POINT (DEG. F.) | VAPOR PRESSURE (PSIA) |
|------------|-------------|---------------------|-----------------------|
| UPPER: | | | |
| VPU-1 | 16.46 | 32.62 | 0.0908 |
| VPU-2 | -0.22 | 28.04 | 0.0 |
| LOWER: | | | |
| VPL-1 | 0.00 | -0.00 | 0.0 |
| VPL-2 | 18.52 | 36.67 | 0.1067 |
| ICE: | | | |
| VPI-1 | 7.89 | 15.52 | 0.0406 |
| VPI-2 | -1.18 | 10.76 | 0.0321 |

AVERAGE VAPOR PRESSURES

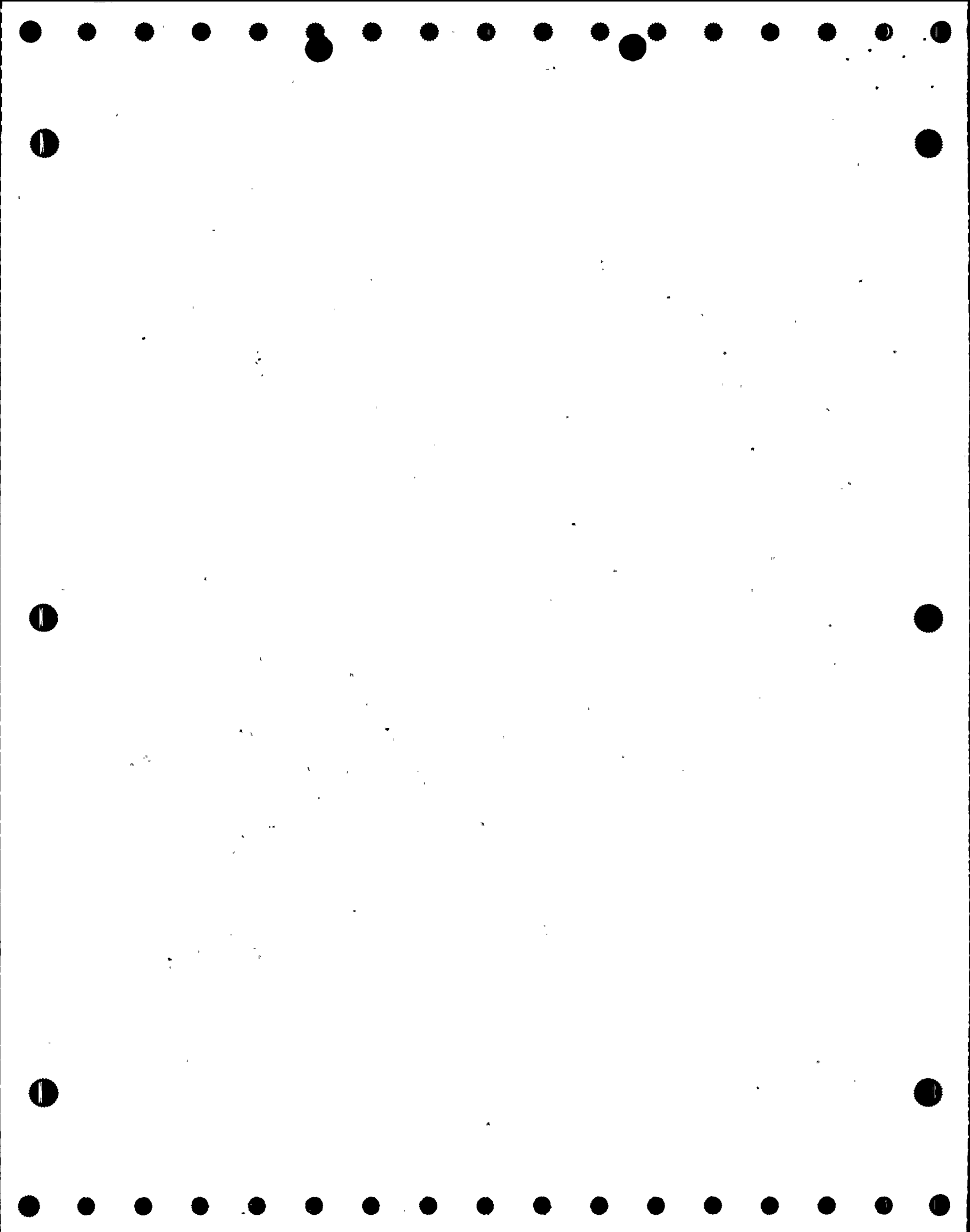
| | |
|--------------------------|--------|
| UPPER CONTAINMENT (PSIA) | 0.0908 |
| LOWER CONTAINMENT (PSIA) | 0.1067 |
| ICE CONDENSER (PSIA) | 0.0363 |

CONTAINMENT PRESSURES DATA CHECK

| MANOMETER | UNCORRECTED READING (PSIA) | CORRECTED READING (PSIA) |
|-----------|----------------------------|--------------------------|
| UPPER: | | |
| PU-1 | 26.9640 | 26.7778 |
| PU-2 | 26.8281 | 26.8269 |
| LOWER: | | |
| PL-1 | 0.0 | 0.0 |
| PL-2 | 26.8110 | 26.8094 |
| ICE: | | |
| PI-1 | 26.8310 | 26.8301 |
| PI-2 | 26.8459 | 26.8446 |
| AMBIENT | 14.4276 | 14.4215 |

SUMMARY OF CORRECTED AVERAGE PRESSURES

| | |
|---------------------------------------|---------|
| AVERAGE UPPER PRESSURE (PSIA) | 26.8024 |
| AVERAGE LOWER PRESSURE (PSIA) | 26.8094 |
| AVERAGE ICE CONDENSER PRESSURE (PSIA) | 26.8374 |
| AVERAGE CONTAINMENT PRESSURE (PSIA) | 26.8164 |
| AVERAGE CONTAINMENT PRESSURE (PSIG) | 12.3949 |



RUN NUMBER 24
ELAPSED TIME 42.50

CONTAINMENT TEMPERATURES DATA CHECK

| UPPER VOLUME | | | LOWER VOLUME | | | ICE CONDENSER | | |
|--------------|-------------|---------|--------------|-------------|---------|---------------|-------------|---------|
| RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. |
| ETR-101 | 39.34 | 78.68 | ETR-122 | 35.97 | 71.94 | ETR-115 | 8.73 | 17.46 |
| ETR-102 | 37.32 | 74.64 | ETR-123 | 36.73 | 73.46 | ETR-116 | 8.67 | 17.34 |
| ETR-103 | 35.63 | 71.26 | ETR-124 | 37.35 | 74.70 | ETR-117 | 8.33 | 16.66 |
| ETR-104 | 35.57 | 71.14 | ETR-125 | 36.07 | 72.14 | ETR-118 | 10.53 | 21.06 |
| ETR-105 | 35.92 | 71.84 | ETR-126 | 36.15 | 72.30 | ETR-119 | 8.38 | 16.76 |
| ETR-106 | 36.17 | 72.34 | ETR-127 | 33.85 | 67.70 | ETR-120 | 8.03 | 16.06 |
| ETR-107 | 35.79 | 71.58 | ETR-129 | 37.29 | 74.58 | ETR-121 | 8.34 | 16.68 |
| ETR-108 | 35.74 | 71.48 | ETR-130 | 35.65 | 71.30 | | | |
| ETR-109 | 35.51 | 71.02 | ETR-131 | 33.89 | 67.78 | | | |
| ETR-110 | 35.55 | 71.10 | ETR-132 | 37.74 | 75.48 | | | |
| ETR-111 | 35.56 | 71.12 | ETR-134 | 36.78 | 73.56 | | | |
| ETR-112 | 35.59 | 71.18 | ETR-135 | 36.67 | 73.34 | | | |
| ETR-114 | 34.86 | 69.72 | ETR-136 | 36.69 | 73.38 | | | |
| ETR-128 | 36.98 | 73.96 | ETR-137 | 36.40 | 72.80 | | | |
| ETR-133 | 34.36 | 68.72 | ETR-138 | 36.74 | 73.48 | | | |
| ETR-113 | 37.50 | 75.00 | ETR-139 | 34.03 | 68.06 | | | |
| | | | ETR-140 | 36.82 | 73.64 | | | |
| | | | ETR-141 | 37.48 | 74.96 | | | |
| | | | ETR-142 | 36.33 | 72.66 | | | |
| | | | ETR-143 | 37.70 | 75.40 | | | |
| | | | ETR-144 | 37.01 | 74.02 | | | |
| | | | ETR-145 | 41.65 | 83.30 | | | |
| | | | ETR-146 | 37.20 | 74.40 | | | |

SUMMARY OF WEIGHTED AVERAGE TEMPERATURES

| | | | | | |
|------------------------|--------|------------------------|--------|-------------------------|--------|
| UPPER VOLUME (DEG. F.) | 72.37 | LOWER VOLUME (DEG. F.) | 73.45 | ICE CONDENSER (DEG. F.) | 16.94 |
| UPPER VOLUME (DEG. R.) | 532.07 | LOWER VOLUME (DEG. R.) | 533.15 | ICE CONDENSER (DEG. R.) | 476.64 |

CONTAINMENT VAPOR PRESSURE DATA CHECK

| HYGROMETER | MILLI-VOLTS | DEW POINT (DEG. F.) | VAPOR PRESSURE (PSIA) |
|------------|-------------|---------------------|-----------------------|
| UPPER: | | | |
| VPU-1 | 16.48 | 32.66 | 0.0910 |
| VPU-2 | -0.20 | 28.40 | 0.0 |
| LOWER: | | | |
| VPL-1 | 0.02 | 0.02 | 0.0 |
| VPL-2 | 18.49 | 36.61 | 0.1065 |
| ICE: | | | |
| VPI-1 | 7.26 | 14.27 | 0.0382 |
| VPI-2 | -1.25 | 9.50 | 0.0301 |

AVERAGE VAPOR PRESSURES

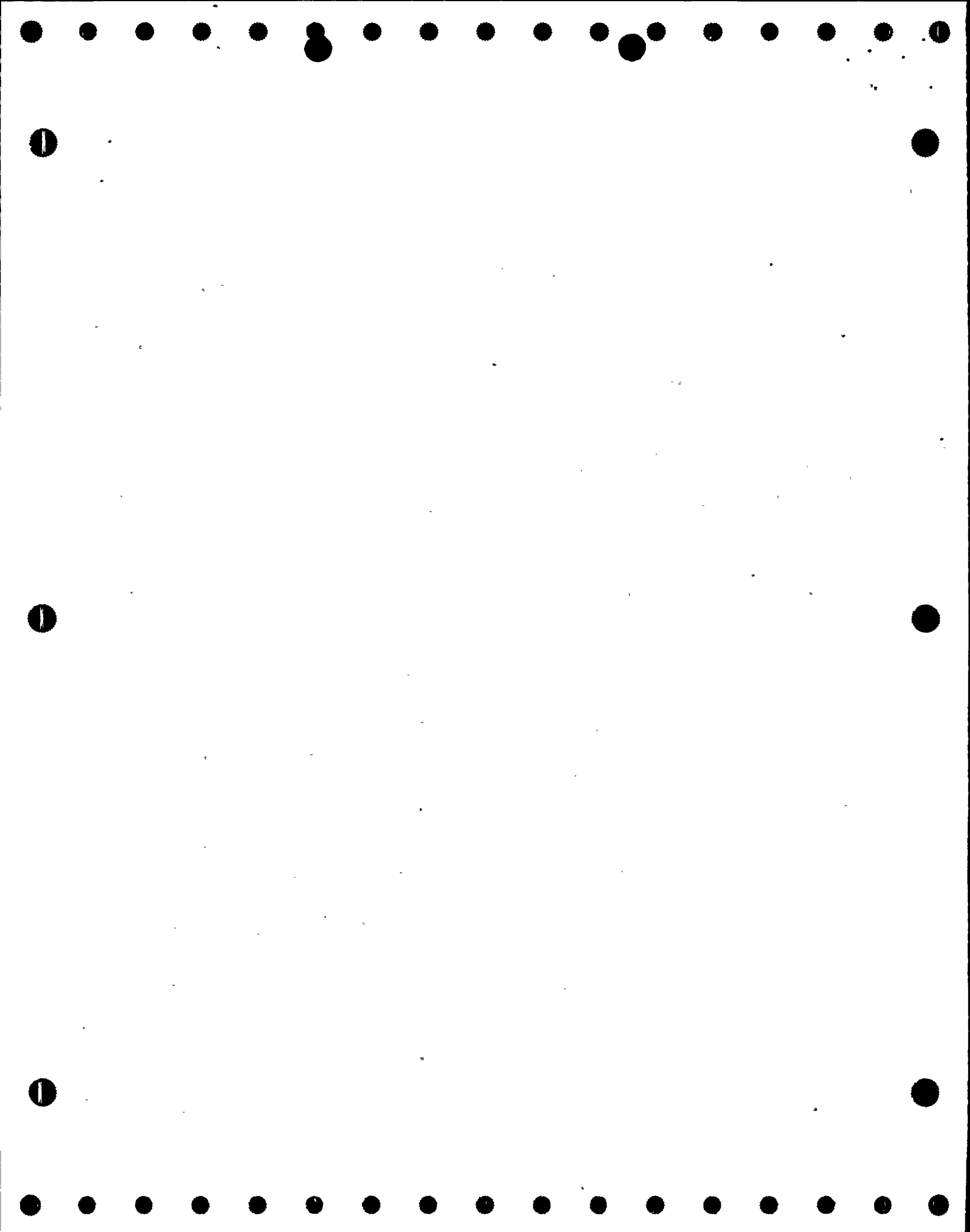
| | |
|--------------------------|--------|
| UPPER CONTAINMENT (PSIA) | 0.0910 |
| LOWER CONTAINMENT (PSIA) | 0.1065 |
| ICE CONDENSER (PSIA) | 0.0341 |

CONTAINMENT PRESSURES DATA CHECK

| MANOMETER | UNCORRECTED READING (PSIA) | CORRECTED READING (PSIA) |
|-----------|----------------------------|--------------------------|
| UPPER: | | |
| PU-1 | 26.9640 | 26.7778 |
| PU-2 | 26.8269 | 26.8257 |
| LOWER: | | |
| PL-1 | 0.0 | 0.0 |
| PL-2 | 26.8099 | 26.8083 |
| ICE: | | |
| PI-1 | 26.8300 | 26.8291 |
| PI-2 | 26.8447 | 26.8434 |
| AMBIENT | 14.4238 | 14.4177 |

SUMMARY OF CORRECTED AVERAGE PRESSURES

| | |
|---------------------------------------|---------|
| AVERAGE UPPER PRESSURE (PSIA) | 26.8018 |
| AVERAGE LOWER PRESSURE (PSIA) | 26.8083 |
| AVERAGE ICE CONDENSER PRESSURE (PSIA) | 26.8363 |
| AVERAGE CONTAINMENT PRESSURE (PSIA) | 26.8155 |
| AVERAGE CONTAINMENT PRESSURE (PSIG) | 12.3978 |



RUN NUMBER 25
ELAPSED TIME 43.00

CONTAINMENT-TEMPERATURES DATA CHECK

| UPPER VOLUME | | | LOWER VOLUME | | | ICE CONDENSER | | |
|--------------|-------------|---------|--------------|-------------|---------|---------------|-------------|---------|
| RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. |
| ETR-101 | 39.32 | 78.64 | ETR-122 | 36.01 | 72.02 | ETR-115 | 8.66 | 17.32 |
| ETR-102 | 37.30 | 74.60 | ETR-123 | 36.71 | 73.42 | ETR-116 | 8.66 | 17.32 |
| ETR-103 | 35.63 | 71.26 | ETR-124 | 37.36 | 74.72 | ETR-117 | 8.21 | 16.42 |
| ETR-104 | 35.57 | 71.14 | ETR-125 | 36.10 | 72.20 | ETR-118 | 9.79 | 19.58 |
| ETR-105 | 35.88 | 71.76 | ETR-126 | 36.16 | 72.32 | ETR-119 | 8.37 | 16.74 |
| ETR-106 | 36.17 | 72.34 | ETR-127 | 33.86 | 67.72 | ETR-120 | 8.03 | 16.06 |
| ETR-107 | 35.75 | 71.50 | ETR-129 | 37.27 | 74.54 | ETR-121 | 8.32 | 16.64 |
| ETR-108 | 35.75 | 71.50 | ETR-130 | 35.65 | 71.30 | | | |
| ETR-109 | 35.63 | 71.26 | ETR-131 | 33.89 | 67.78 | | | |
| ETR-110 | 35.50 | 71.00 | ETR-132 | 37.75 | 75.50 | | | |
| ETR-111 | 35.57 | 71.14 | ETR-134 | 36.77 | 73.54 | | | |
| ETR-112 | 35.60 | 71.20 | ETR-135 | 36.59 | 73.18 | | | |
| ETR-114 | 34.85 | 69.70 | ETR-136 | 36.66 | 73.32 | | | |
| ETR-128 | 37.01 | 74.02 | ETR-137 | 36.38 | 72.76 | | | |
| ETR-133 | 34.39 | 68.78 | ETR-138 | 36.75 | 73.50 | | | |
| ETR-113 | 37.45 | 74.90 | ETR-139 | 34.03 | 68.06 | | | |
| | | | ETR-140 | 36.82 | 73.64 | | | |
| | | | ETR-141 | 37.47 | 74.94 | | | |
| | | | ETR-142 | 36.33 | 72.66 | | | |
| | | | ETR-143 | 37.71 | 75.42 | | | |
| | | | ETR-144 | 37.01 | 74.02 | | | |
| | | | ETR-145 | 41.67 | 83.34 | | | |
| | | | ETR-146 | 37.20 | 74.40 | | | |

SUMMARY OF WEIGHTED AVERAGE TEMPERATURES

| | | | | | |
|------------------------|--------|------------------------|--------|-------------------------|--------|
| UPPER VOLUME (DEG. F.) | 72.34 | LOWER VOLUME (DEG. F.) | 73.43 | ICE CONDENSER (DEG. F.) | 16.80 |
| UPPER VOLUME (DEG. R.) | 532.04 | LOWER VOLUME (DEG. R.) | 533.13 | ICE CONDENSER (DEG. R.) | 476.50 |

CONTAINMENT VAPOR PRESSURE DATA CHECK

| HYGROMETER | MILLI-VOLTS | DEW POINT (DEG. F.) | VAPOR PRESSURE (PSIA) |
|------------|-------------|---------------------|-----------------------|
| UPPER: | | | |
| VPU-1 | 16.48 | 32.66 | 0.0910 |
| VPU-2 | -0.20 | 28.40 | 0.0 |
| LOWER: | | | |
| VPL-1 | 18.64 | 36.91 | 0.1078 |
| VPL-2 | 18.50 | 36.63 | 0.1066 |
| ICE: | | | |
| VPI-1 | 7.68 | 15.10 | 0.0398 |
| VPI-2 | -1.21 | 10.22 | 0.0312 |

AVERAGE VAPOR PRESSURES

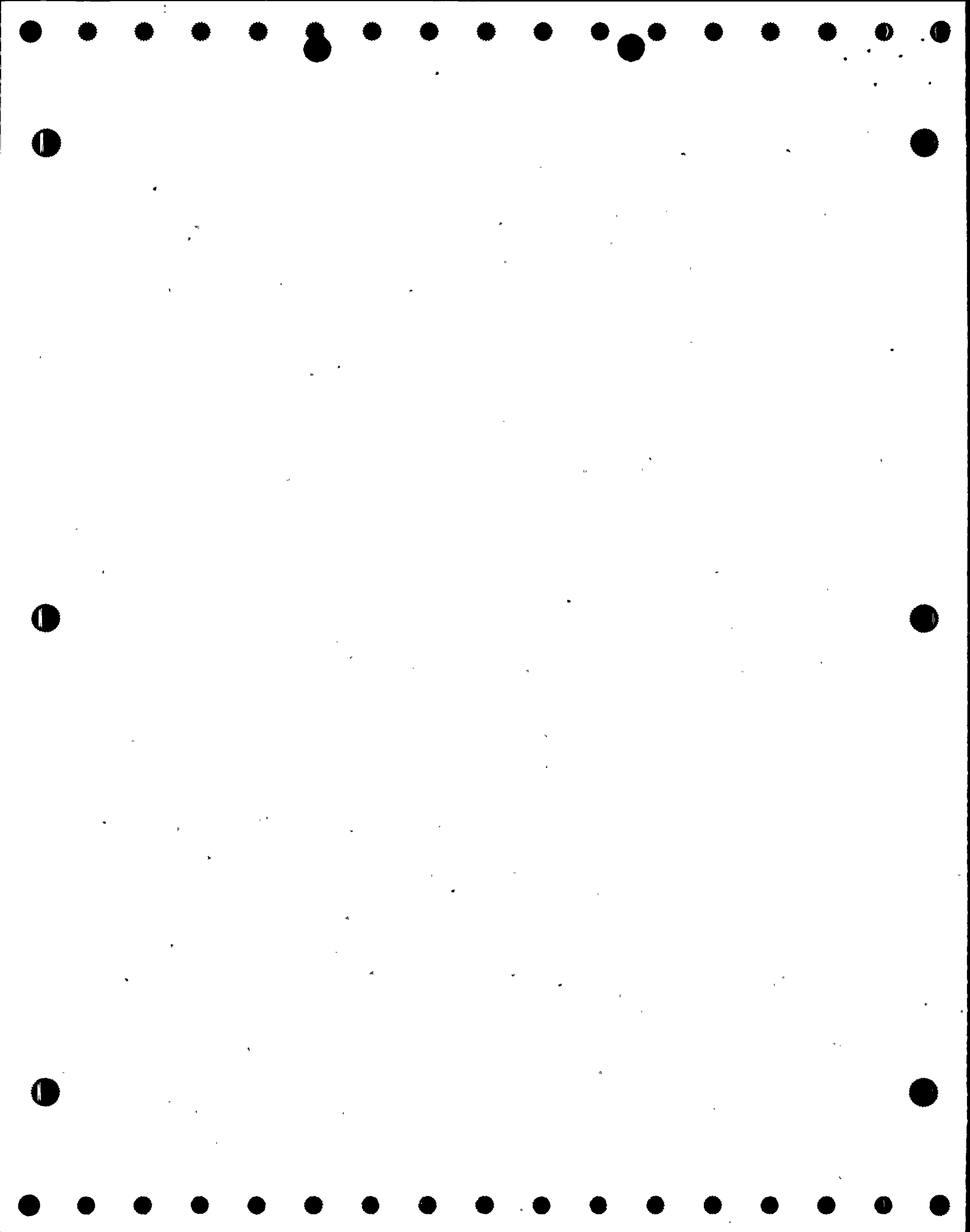
| | |
|--------------------------|--------|
| UPPER CONTAINMENT (PSIA) | 0.0910 |
| LOWER CONTAINMENT (PSIA) | 0.1072 |
| ICE CONDENSER (PSIA) | 0.0355 |

CONTAINMENT PRESSURES DATA CHECK

| MANOMETER | UNCORRECTED READING (PSIA) | CORRECTED READING (PSIA) |
|-----------|----------------------------|--------------------------|
| UPPER: | | |
| PU-1 | 26.9620 | 26.7758 |
| PU-2 | 26.8260 | 26.8248 |
| LOWER: | | |
| PL-1 | 0.0 | 0.0 |
| PL-2 | 26.8090 | 26.8074 |
| ICE: | | |
| PI-1 | 26.8289 | 26.8280 |
| PI-2 | 26.8440 | 26.8427 |
| AMBIENT | 14.4257 | 14.4196 |

SUMMARY OF CORRECTED AVERAGE PRESSURES

| | |
|---------------------------------------|---------|
| AVERAGE UPPER PRESSURE (PSIA) | 26.8003 |
| AVERAGE LOWER PRESSURE (PSIA) | 26.8074 |
| AVERAGE ICE CONDENSER PRESSURE (PSIA) | 26.8354 |
| AVERAGE CONTAINMENT PRESSURE (PSIA) | 26.8144 |
| AVERAGE CONTAINMENT PRESSURE (PSIG) | 12.3948 |



RUN NUMBER 26
ELAPSED TIME 43.50

CONTAINMENT TEMPERATURES DATA CHECK

| UPPER VOLUME | | | LOWER VOLUME | | | ICE CONDENSER | | |
|--------------|-------------|---------|--------------|-------------|---------|---------------|-------------|---------|
| RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. |
| ETR-101 | 39.34 | 78.68 | ETR-122 | 35.99 | 71.98 | ETR-115 | 8.81 | 17.62 |
| ETR-102 | 37.28 | 74.56 | ETR-123 | 36.73 | 73.46 | ETR-116 | 8.50 | 17.00 |
| ETR-103 | 35.62 | 71.24 | ETR-124 | 37.31 | 74.62 | ETR-117 | 8.06 | 16.12 |
| ETR-104 | 35.59 | 71.18 | ETR-125 | 36.11 | 72.22 | ETR-118 | 9.43 | 18.86 |
| ETR-105 | 35.89 | 71.78 | ETR-126 | 36.16 | 72.32 | ETR-119 | 8.37 | 16.74 |
| ETR-106 | 36.16 | 72.32 | ETR-127 | 33.87 | 67.74 | ETR-120 | 8.02 | 16.04 |
| ETR-107 | 35.79 | 71.58 | ETR-129 | 37.25 | 74.50 | ETR-121 | 8.31 | 16.62 |
| ETR-108 | 35.75 | 71.50 | ETR-130 | 35.65 | 71.30 | | | |
| ETR-109 | 35.65 | 71.30 | ETR-131 | 33.91 | 67.82 | | | |
| ETR-110 | 35.49 | 70.98 | ETR-132 | 37.75 | 75.50 | | | |
| ETR-111 | 35.56 | 71.12 | ETR-134 | 36.72 | 73.44 | | | |
| ETR-112 | 35.60 | 71.20 | ETR-135 | 36.64 | 73.28 | | | |
| ETR-114 | 34.86 | 69.72 | ETR-136 | 36.70 | 73.40 | | | |
| ETR-128 | 37.01 | 74.02 | ETR-137 | 36.38 | 72.76 | | | |
| ETR-133 | 34.38 | 68.76 | ETR-138 | 36.76 | 73.52 | | | |
| ETR-113 | 37.40 | 74.80 | ETR-139 | 34.05 | 68.10 | | | |
| | | | ETR-140 | 36.82 | 73.64 | | | |
| | | | ETR-141 | 37.48 | 74.96 | | | |
| | | | ETR-142 | 36.34 | 72.68 | | | |
| | | | ETR-143 | 37.71 | 75.42 | | | |
| | | | ETR-144 | 37.02 | 74.04 | | | |
| | | | ETR-145 | 41.66 | 83.32 | | | |
| | | | ETR-146 | 37.21 | 74.42 | | | |

SUMMARY OF WEIGHTED AVERAGE TEMPERATURES

| | | | | | |
|------------------------|--------|------------------------|--------|-------------------------|--------|
| UPPER VOLUME (DEG. F.) | 72.35 | LOWER VOLUME (DEG. F.) | 73.44 | ICE CONDENSER (DEG. F.) | 16.71 |
| UPPER VOLUME (DEG. R.) | 532.05 | LOWER VOLUME (DEG. R.) | 533.14 | ICE CONDENSER (DEG. R.) | 476.41 |

CONTAINMENT VAPOR PRESSURE DATA CHECK

| HYGROMETER | MILLI-VOLTS | DEW POINT (DEG. F.) | VAPOR PRESSURE (PSIA) |
|------------|-------------|---------------------|-----------------------|
| UPPER: | | | |
| VPU-1 | 16.55 | 32.80 | 0.0915 |
| VPU-2 | -0.22 | 28.04 | 0.0 |
| LOWER: | | | |
| VPL-1 | 18.80 | 37.23 | 0.1091 |
| VPL-2 | 18.51 | 36.65 | 0.1067 |
| ICE: | | | |
| VPI-1 | 7.79 | 15.32 | 0.0402 |
| VPI-2 | -1.20 | 10.40 | 0.0315 |

AVERAGE VAPOR PRESSURES

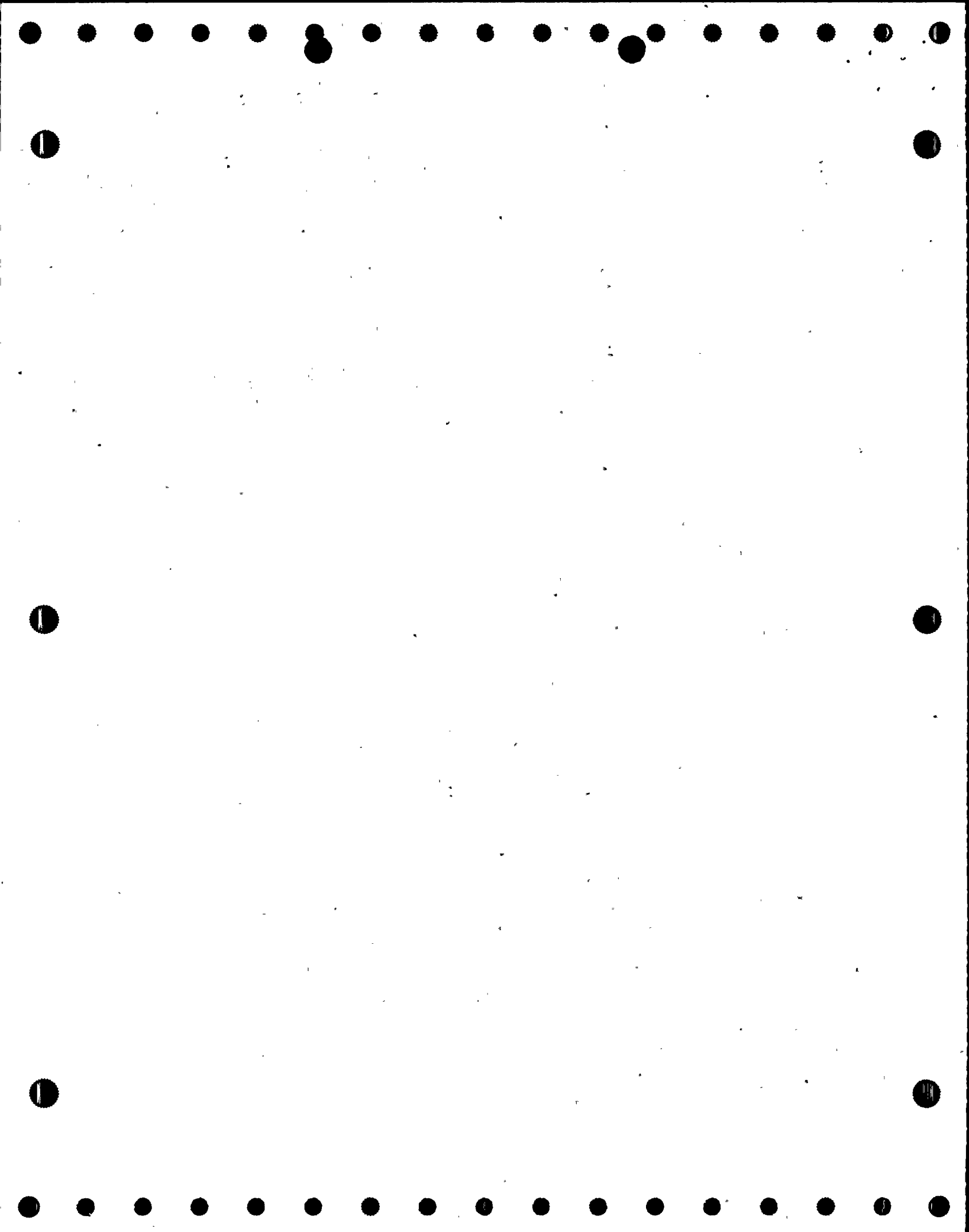
| | |
|--------------------------|--------|
| UPPER CONTAINMENT (PSIA) | 0.0915 |
| LOWER CONTAINMENT (PSIA) | 0.1079 |
| ICE CONDENSER (PSIA) | 0.0358 |

CONTAINMENT PRESSURES DATA CHECK

| MANOMETER | UNCORRECTED READING (PSIA) | CORRECTED READING (PSIA) |
|-----------|----------------------------|--------------------------|
| UPPER: | | |
| PU-1 | 26.9600 | 26.7738 |
| PU-2 | 26.8240 | 26.8228 |
| LOWER: | | |
| PL-1 | 0.0 | 0.0 |
| PL-2 | 26.8075 | 26.8059 |
| ICE: | | |
| PI-1 | 26.8270 | 26.8261 |
| PI-2 | 26.8419 | 26.8406 |
| AMBIENT | 14.5920 | 14.5848 |

SUMMARY OF CORRECTED AVERAGE PRESSURES

| | |
|---------------------------------------|---------|
| AVERAGE UPPER PRESSURE (PSIA) | 26.7983 |
| AVERAGE LOWER PRESSURE (PSIA) | 26.8059 |
| AVERAGE ICE CONDENSER PRESSURE (PSIA) | 26.8334 |
| AVERAGE CONTAINMENT PRESSURE (PSIA) | 26.8125 |
| AVERAGE CONTAINMENT PRESSURE (PSIG) | 12.2277 |



III

RUN NUMBER 27
ELAPSED TIME 44.00

CONTAINMENT TEMPERATURES DATA CHECK

| UPPER VOLUME | | | LOWER VOLUME | | | ICE CONDENSER | | |
|--------------|-------------|---------|--------------|-------------|---------|---------------|-------------|---------|
| RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. |
| ETR-101 | 39.29 | 78.58 | ETR-122 | 35.99 | 71.98 | ETR-115 | 9.01 | 18.02 |
| ETR-102 | 37.27 | 74.54 | ETR-123 | 36.72 | 73.44 | ETR-116 | 8.59 | 17.18 |
| ETR-103 | 35.65 | 71.30 | ETR-124 | 37.34 | 74.68 | ETR-117 | 8.31 | 16.62 |
| ETR-104 | 35.58 | 71.16 | ETR-125 | 36.08 | 72.16 | ETR-118 | 9.49 | 18.98 |
| ETR-105 | 35.90 | 71.80 | ETR-126 | 36.14 | 72.28 | ETR-119 | 8.37 | 16.74 |
| ETR-106 | 36.15 | 72.30 | ETR-127 | 33.86 | 67.72 | ETR-120 | 8.03 | 16.06 |
| ETR-107 | 35.80 | 71.60 | ETR-129 | 37.27 | 74.54 | ETR-121 | 8.33 | 16.66 |
| ETR-108 | 35.75 | 71.50 | ETR-130 | 35.63 | 71.26 | | | |
| ETR-109 | 35.51 | 71.02 | ETR-131 | 33.89 | 67.78 | | | |
| ETR-110 | 35.55 | 71.10 | ETR-132 | 37.75 | 75.50 | | | |
| ETR-111 | 35.55 | 71.10 | ETR-134 | 36.70 | 73.40 | | | |
| ETR-112 | 35.57 | 71.14 | ETR-135 | 36.66 | 73.32 | | | |
| ETR-114 | 34.85 | 69.70 | ETR-136 | 36.65 | 73.30 | | | |
| ETR-128 | 37.00 | 74.00 | ETR-137 | 36.39 | 72.78 | | | |
| ETR-133 | 34.38 | 68.76 | ETR-138 | 36.77 | 73.54 | | | |
| ETR-113 | 37.38 | 74.76 | ETR-139 | 34.06 | 68.12 | | | |
| | | | ETR-140 | 36.83 | 73.66 | | | |
| | | | ETR-141 | 37.48 | 74.96 | | | |
| | | | ETR-142 | 36.34 | 72.68 | | | |
| | | | ETR-143 | 37.71 | 75.42 | | | |
| | | | ETR-144 | 37.01 | 74.02 | | | |
| | | | ETR-145 | 41.67 | 83.34 | | | |
| | | | ETR-146 | 37.21 | 74.42 | | | |

SUMMARY OF WEIGHTED AVERAGE TEMPERATURES

| | | | | | |
|------------------------|--------|------------------------|--------|-------------------------|--------|
| UPPER VOLUME (DEG. F.) | 72.33 | LOWER VOLUME (DEG. F.) | 73.43 | ICE CONDENSER (DEG. F.) | 16.81 |
| UPPER VOLUME (DEG. R.) | 532.03 | LOWER VOLUME (DEG. R.) | 533.13 | ICE CONDENSER (DEG. R.) | 476.51 |

CONTAINMENT VAPOR PRESSURE DATA CHECK

| HYGROMETER | MILLI-VOLTS | DEW POINT (DEG. F.) | VAPOR PRESSURE (PSIA) |
|------------|-------------|---------------------|-----------------------|
| UPPER: | | | |
| VPU-1 | 16.54 | 32.78 | 0.0914 |
| VPU-2 | -0.21 | 28.22 | 0.0 |
| LOWER: | | | |
| VPL-1 | 18.92 | 37.47 | 0.1102 |
| VPL-2 | 18.53 | 36.69 | 0.1068 |
| ICE: | | | |
| VPI-1 | 8.08 | 15.90 | 0.0413 |
| VPI-2 | -1.32 | 8.24 | 0.0283 |

AVERAGE VAPOR PRESSURES

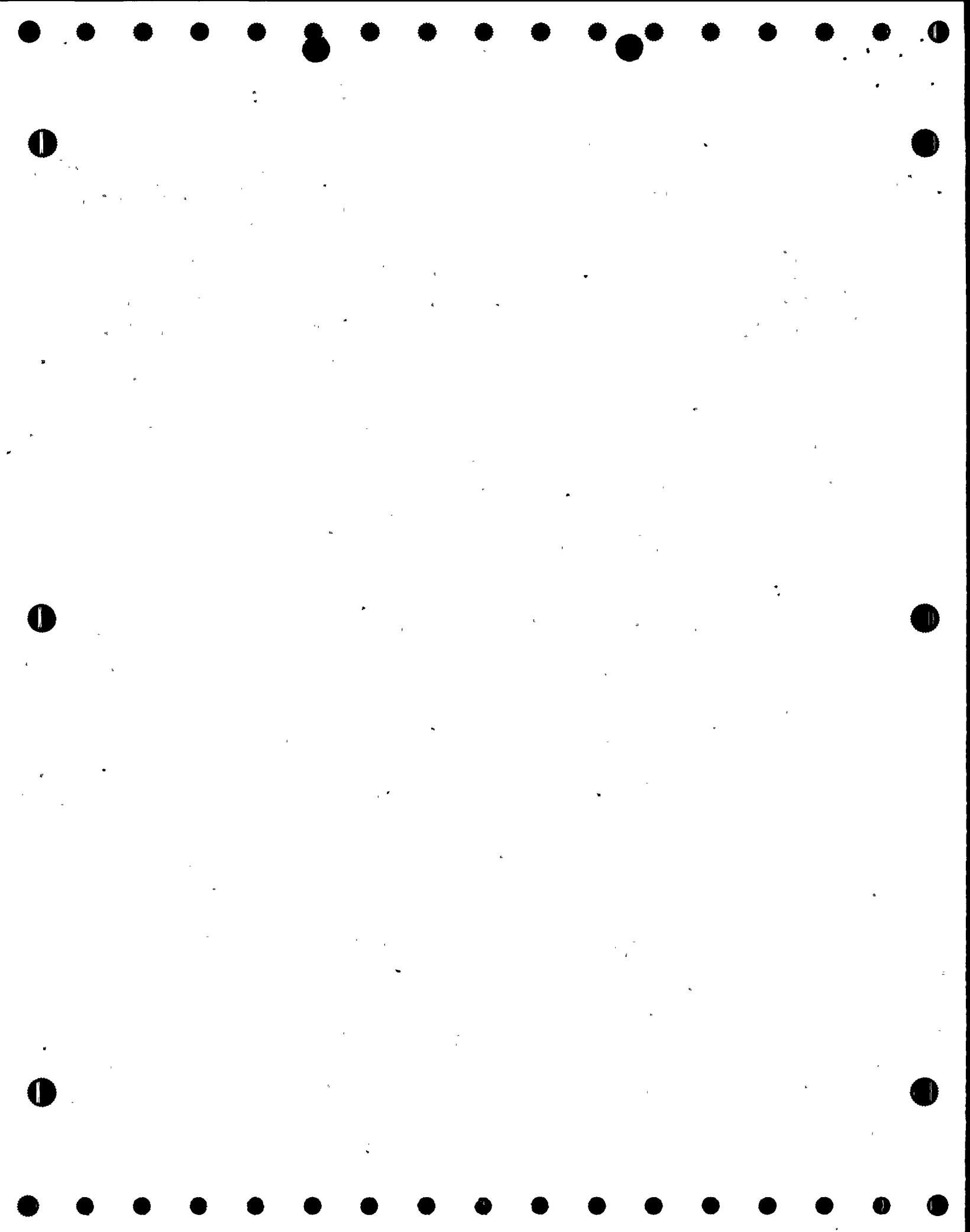
| | |
|--------------------------|--------|
| UPPER CONTAINMENT (PSIA) | 0.0914 |
| LOWER CONTAINMENT (PSIA) | 0.1085 |
| ICE CONDENSER (PSIA) | 0.0348 |

CONTAINMENT PRESSURES DATA CHECK

| MANOMETER | UNCORRECTED READING (PSIA) | CORRECTED READING (PSIA) |
|-----------|----------------------------|--------------------------|
| UPPER: | | |
| PU-1 | 26.9560 | 26.7698 |
| PU-2 | 26.8203 | 26.8191 |
| LOWER: | | |
| PL-1 | 0.0 | 0.0 |
| PL-2 | 26.8041 | 26.8025 |
| ICE: | | |
| PI-1 | 26.8234 | 26.8225 |
| PI-2 | 26.8388 | 26.8375 |
| AMBIENT | 14.4180 | 14.4119 |

SUMMARY OF CORRECTED AVERAGE PRESSURES

| | |
|---------------------------------------|---------|
| AVERAGE UPPER PRESSURE (PSIA) | 26.7945 |
| AVERAGE LOWER PRESSURE (PSIA) | 26.8025 |
| AVERAGE ICE CONDENSER PRESSURE (PSIA) | 26.8300 |
| AVERAGE CONTAINMENT PRESSURE (PSIA) | 26.8090 |
| AVERAGE CONTAINMENT PRESSURE (PSIG) | 12.3971 |



RUN NUMBER 28
ELAPSED TIME 44.50

CONTAINMENT TEMPERATURES DATA CHECK

| UPPER VOLUME | | | LOWER VOLUME | | | ICE CONDENSER | | |
|--------------|-------------|---------|--------------|-------------|---------|---------------|-------------|---------|
| RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. |
| ETR-101 | 39.30 | 78.60 | ETR-122 | 35.97 | 71.94 | ETR-115 | 8.78 | 17.56 |
| ETR-102 | 37.25 | 74.50 | ETR-123 | 36.74 | 73.48 | ETR-116 | 8.50 | 17.00 |
| ETR-103 | 35.63 | 71.26 | ETR-124 | 37.30 | 74.60 | ETR-117 | 8.11 | 16.22 |
| ETR-104 | 35.59 | 71.18 | ETR-125 | 36.10 | 72.20 | ETR-118 | 9.36 | 18.72 |
| ETR-105 | 35.89 | 71.78 | ETR-126 | 36.15 | 72.30 | ETR-119 | 8.37 | 16.74 |
| ETR-106 | 36.14 | 72.28 | ETR-127 | 33.85 | 67.70 | ETR-120 | 8.03 | 16.06 |
| ETR-107 | 35.77 | 71.54 | ETR-129 | 37.28 | 74.56 | ETR-121 | 8.32 | 16.64 |
| ETR-108 | 35.75 | 71.50 | ETR-130 | 35.64 | 71.28 | | | |
| ETR-109 | 35.60 | 71.20 | ETR-131 | 33.89 | 67.78 | | | |
| ETR-110 | 35.47 | 70.94 | ETR-132 | 37.75 | 75.50 | | | |
| ETR-111 | 35.57 | 71.14 | ETR-134 | 36.71 | 73.42 | | | |
| ETR-112 | 35.57 | 71.14 | ETR-135 | 36.63 | 73.26 | | | |
| ETR-114 | 34.84 | 69.68 | ETR-136 | 36.68 | 73.36 | | | |
| ETR-128 | 37.01 | 74.02 | ETR-137 | 36.35 | 72.70 | | | |
| ETR-133 | 34.37 | 68.74 | ETR-138 | 36.75 | 73.50 | | | |
| ETR-113 | 37.44 | 74.88 | ETR-139 | 34.06 | 68.12 | | | |
| | | | ETR-140 | 36.82 | 73.64 | | | |
| | | | ETR-141 | 37.48 | 74.96 | | | |
| | | | ETR-142 | 36.33 | 72.66 | | | |
| | | | ETR-143 | 37.71 | 75.42 | | | |
| | | | ETR-144 | 37.01 | 74.02 | | | |
| | | | ETR-145 | 41.70 | 83.40 | | | |
| | | | ETR-146 | 37.21 | 74.42 | | | |

SUMMARY OF WEIGHTED AVERAGE TEMPERATURES

| | | | | | |
|------------------------|--------|------------------------|--------|-------------------------|--------|
| UPPER VOLUME (DEG. F.) | 72.33 | LOWER VOLUME (DEG. F.) | 73.42 | ICE CONDENSER (DEG. F.) | 16.71 |
| UPPER VOLUME (DEG. R.) | 532.03 | LOWER VOLUME (DEG. R.) | 533.12 | ICE CONDENSER (DEG. R.) | 476.41 |

CONTAINMENT VAPOR PRESSURE DATA CHECK

| HYGROMETER | MILLI-VOLTS | DEW POINT (DEG. F.) | VAPOR PRESSURE (PSIA) |
|------------|-------------|---------------------|-----------------------|
| UPPER: | | | |
| VPU-1 | 16.46 | 32.62 | 0.0908 |
| VPU-2 | -0.20 | 28.40 | 0.0 |
| LOWER: | | | |
| VPL-1 | 19.02 | 37.67 | 0.1110 |
| VPL-2 | 18.53 | 36.69 | 0.1068 |
| ICE: | | | |
| VPI-1 | 7.71 | 15.16 | 0.0399 |
| VPI-2 | -1.35 | 7.70 | 0.0275 |

AVERAGE VAPOR PRESSURES

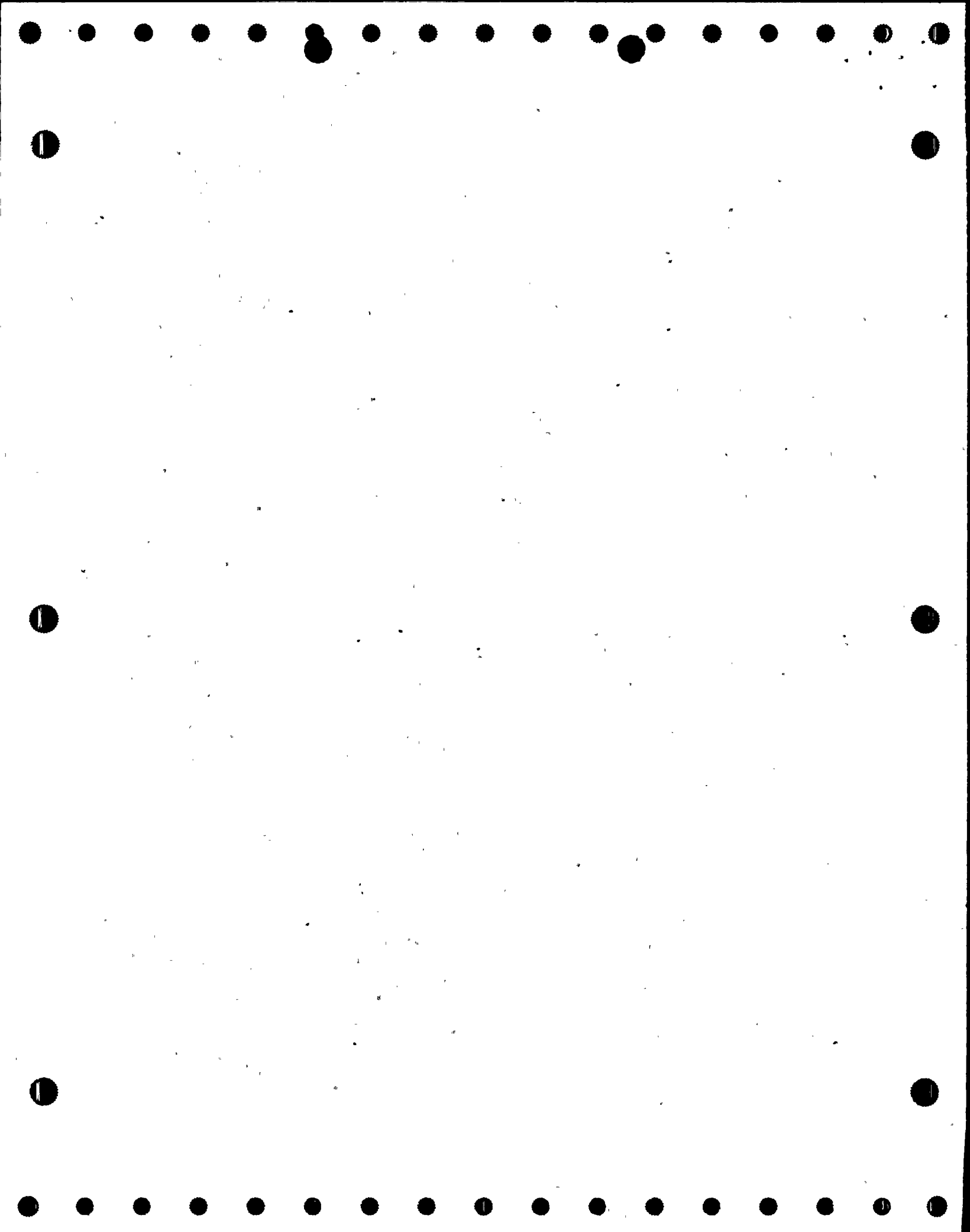
| | |
|--------------------------|--------|
| UPPER CONTAINMENT (PSIA) | 0.0908 |
| LOWER CONTAINMENT (PSIA) | 0.1089 |
| ICE CONDENSER (PSIA) | 0.0337 |

CONTAINMENT PRESSURES DATA CHECK

| MANOMETER | UNCORRECTED READING (PSIA) | CORRECTED READING (PSIA) |
|-----------|----------------------------|--------------------------|
| UPPER: | | |
| PU-1 | 26.9570 | 26.7708 |
| PU-2 | 26.8203 | 26.8191 |
| LOWER: | | |
| PL-1 | 0.0 | 0.0 |
| PL-2 | 26.8043 | 26.8027 |
| ICE: | | |
| PI-1 | 26.8043 | 26.8034 |
| PI-2 | 26.8385 | 26.8372 |
| AMBIENT | 14.4199 | 14.4138 |

SUMMARY OF CORRECTED AVERAGE PRESSURES

| | |
|---------------------------------------|---------|
| AVERAGE UPPER PRESSURE (PSIA) | 26.7950 |
| AVERAGE LOWER PRESSURE (PSIA) | 26.8027 |
| AVERAGE ICE CONDENSER PRESSURE (PSIA) | 26.8203 |
| AVERAGE CONTAINMENT PRESSURE (PSIA) | 26.8060 |
| AVERAGE CONTAINMENT PRESSURE (PSIG) | 12.3922 |



RUN NUMBER 29
ELAPSED TIME 45.00

CONTAINMENT TEMPERATURES DATA CHECK

| UPPER VOLUME | | | LOWER VOLUME | | | ICE CONDENSER | | |
|--------------|-------------|---------|--------------|-------------|---------|---------------|-------------|---------|
| RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. | RTD | MILLI-VOLTS | DEG. F. |
| ETR-101 | 39.27 | 78.54 | ETR-122 | 35.97 | 71.94 | ETR-115 | 8.69 | 17.38 |
| ETR-102 | 37.24 | 74.48 | ETR-123 | 36.75 | 73.50 | ETR-116 | 8.54 | 17.08 |
| ETR-103 | 35.62 | 71.24 | ETR-124 | 37.34 | 74.68 | ETR-117 | 8.09 | 16.18 |
| ETR-104 | 35.58 | 71.16 | ETR-125 | 36.10 | 72.20 | ETR-118 | 9.42 | 18.84 |
| ETR-105 | 35.87 | 71.74 | ETR-126 | 36.16 | 72.32 | ETR-119 | 8.40 | 16.80 |
| ETR-106 | 36.13 | 72.26 | ETR-127 | 33.85 | 67.70 | ETR-120 | 8.03 | 16.06 |
| ETR-107 | 35.78 | 71.56 | ETR-129 | 37.29 | 74.58 | ETR-121 | 8.32 | 16.64 |
| ETR-108 | 35.75 | 71.50 | ETR-130 | 35.66 | 71.32 | | | |
| ETR-109 | 35.60 | 71.20 | ETR-131 | 33.89 | 67.78 | | | |
| ETR-110 | 35.50 | 71.00 | ETR-132 | 37.75 | 75.50 | | | |
| ETR-111 | 35.55 | 71.10 | ETR-134 | 36.66 | 73.32 | | | |
| ETR-112 | 35.57 | 71.14 | ETR-135 | 36.64 | 73.28 | | | |
| ETR-114 | 34.82 | 69.64 | ETR-136 | 36.65 | 73.38 | | | |
| ETR-128 | 37.02 | 74.04 | ETR-137 | 36.40 | 72.80 | | | |
| ETR-133 | 34.37 | 68.74 | ETR-138 | 36.75 | 73.50 | | | |
| ETR-113 | 37.49 | 74.98 | ETR-139 | 34.08 | 68.16 | | | |
| | | | ETR-140 | 36.84 | 73.68 | | | |
| | | | ETR-141 | 37.49 | 74.98 | | | |
| | | | ETR-142 | 36.36 | 72.72 | | | |
| | | | ETR-143 | 37.71 | 75.42 | | | |
| | | | ETR-144 | 37.02 | 74.04 | | | |
| | | | ETR-145 | 41.69 | 83.38 | | | |
| | | | ETR-146 | 37.21 | 74.42 | | | |

SUMMARY OF WEIGHTED AVERAGE TEMPERATURES

| | | | | | |
|------------------------|--------|------------------------|--------|-------------------------|--------|
| UPPER VOLUME (DEG. F.) | 72.32 | LOWER VOLUME (DEG. F.) | 73.44 | ICE CONDENSER (DEG. F.) | 16.73 |
| UPPER VOLUME (DEG. R.) | 532.02 | LOWER VOLUME (DEG. R.) | 533.14 | ICE CONDENSER (DEG. R.) | 476.43 |

CONTAINMENT VAPOR PRESSURE DATA CHECK

| HYGROMETER | MILLI-VOLTS | DEW POINT (DEG. F.) | VAPOR PRESSURE (PSIA) |
|------------|-------------|---------------------|-----------------------|
| UPPER: | | | |
| VPU-1 | 16.52 | 32.74 | 0.0913 |
| VPU-2 | -0.17 | 28.94 | 0.0 |
| LOWER: | | | |
| VPL-1 | 19.10 | 37.83 | 0.1117 |
| VPL-2 | 18.51 | 36.65 | 0.1067 |
| ICE: | | | |
| VPI-1 | 8.73 | 17.19 | 0.0440 |
| VPI-2 | -1.23 | 9.86 | 0.0307 |

AVERAGE VAPOR PRESSURES

| | |
|--------------------------|--------|
| UPPER CONTAINMENT (PSIA) | 0.0913 |
| LOWER CONTAINMENT (PSIA) | 0.1092 |
| ICE CONDENSER (PSIA) | 0.0373 |

CONTAINMENT PRESSURES DATA CHECK

| MANOMETER | UNCORRECTED READING (PSIA) | CORRECTED READING (PSIA) |
|-----------|----------------------------|--------------------------|
| UPPER: | | |
| PU-1 | 26.9550 | 26.7689 |
| PU-2 | 26.8188 | 26.8176 |
| LOWER: | | |
| PL-1 | 0.0 | 0.0 |
| PL-2 | 26.8029 | 26.8013 |
| ICE: | | |
| PI-1 | 26.8219 | 26.8210 |
| PI-2 | 26.8392 | 26.8379 |
| AMBIENT | 14.4083 | 14.4023 |

SUMMARY OF CORRECTED AVERAGE PRESSURES

| | |
|---------------------------------------|---------|
| AVERAGE UPPER PRESSURE (PSIA) | 26.7933 |
| AVERAGE LOWER PRESSURE (PSIA) | 26.8013 |
| AVERAGE ICE CONDENSER PRESSURE (PSIA) | 26.8295 |
| AVERAGE CONTAINMENT PRESSURE (PSIA) | 26.8080 |
| AVERAGE CONTAINMENT PRESSURE (PSIG) | 12.4057 |

