

SEP 1984  
WILMINGTON, DELAWARE  
NAT'L WEA SER OFC  
AIRPORT TERMINAL BLDG

ISSN 0198-117X

# LOCAL CLIMATOLOGICAL DATA

## Monthly Summary

GREATER WILMINGTON AIRPORT



LATITUDE 39°40' LONGITUDE 75°36' ELEVATION (GROUND) 74 FEET TIME ZONE EASTERN 13781

| DATE           | TEMPERATURE °F |         |               |                          |                      | DEGREE DAYS<br>BASE 65°F            |                                     | WEATHER TYPES<br>1 FOG<br>2 HEAVY FOG<br>3 THUNDERSTORM<br>4 ICE PELLETS<br>5 HAIL<br>6 GLAZE<br>7 DUSTSTORM<br>8 SMOKE, HAZE<br>9 BLOWING SNOW | SNOW<br>ICE<br>PELLETS<br>OR<br>ICE ON<br>GROUND<br>AT<br>0700<br>INCHES | PRECIPITATION                  |                               | AVERAGE<br>STATION<br>PRESSURE<br>IN<br>INCHES<br>ELEV.<br>80<br>FEET<br>ABOVE<br>M.S.L. | WIND<br>(M.P.H.)  |                             |               |                 | SUNSHINE  |                                   | SKY COVER<br>(TENTHS)        |                      | DATE |                         |
|----------------|----------------|---------|---------------|--------------------------|----------------------|-------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------|-------------------------------|------------------------------------------------------------------------------------------|-------------------|-----------------------------|---------------|-----------------|-----------|-----------------------------------|------------------------------|----------------------|------|-------------------------|
|                | MAXIMUM        | MINIMUM | AVERAGE       | DEPARTURE<br>FROM NORMAL | AVERAGE<br>DEW POINT | HEATING (SEASON<br>BEGINS WITH JUL) | COOLING (SEASON<br>BEGINS WITH JAN) |                                                                                                                                                 |                                                                          | WATER EQUIVALENT<br>(INCHES)   | SNOW, ICE PELLETS<br>(INCHES) |                                                                                          | RESULTANT DIR.    | RESULTANT SPEED             | AVERAGE SPEED | FASTEST<br>MILE |           | MINUTES                           | PERCENT OF<br>TOTAL POSSIBLE | SUNRISE<br>TO SUNSET |      | MIDNIGHT<br>TO MIDNIGHT |
|                |                |         |               |                          |                      |                                     |                                     |                                                                                                                                                 |                                                                          |                                |                               |                                                                                          |                   |                             |               | SPEED           | DIRECTION |                                   |                              |                      |      |                         |
| 01             | 80             | 58      | 69            | -3                       | 55                   | 0                                   | 4                                   |                                                                                                                                                 | 0                                                                        | 0.00                           | 0.0                           | 29.960                                                                                   | 31                | 7.9                         | 8.4           | 17              | 29        |                                   | 9                            | 7                    | 01   |                         |
| 02             | 82             | 58      | 70            | -2                       | 62                   | 0                                   | 5                                   |                                                                                                                                                 | 0                                                                        | 0.00                           | 0.0                           | 29.920                                                                                   | 13                | 2.0                         | 3.4           | 8               | 15        |                                   | 7                            | 5                    | 02   |                         |
| 03             | 90*            | 64      | 77*           | -5                       | 68                   | 0                                   | 12                                  | 1 3 8                                                                                                                                           | 0                                                                        | 0.53                           | 0.0                           | 29.730                                                                                   | 25                | 4.2                         | 5.0           | 25              | 29        |                                   | 3                            | 4                    | 03   |                         |
| 04             | 70             | 58      | 64            | -7                       | 63                   | 1                                   | 0                                   | 1                                                                                                                                               | 0                                                                        | 0.40                           | 0.0                           | 29.830                                                                                   | 31                | 5.6                         | 7.6           | 16              | 32        |                                   | 10                           | 10                   | 04   |                         |
| 05             | 74             | 52      | 63            | -8                       | 53                   | 2                                   | 0                                   |                                                                                                                                                 | 0                                                                        | 0.00                           | 0.0                           | 30.030                                                                                   | 34                | 6.8                         | 7.3           | 13              | 33        |                                   | 2                            | 3                    | 05   |                         |
| 06             | 71             | 48      | 60            | -11                      | 45                   | 5                                   | 0                                   |                                                                                                                                                 | 0                                                                        | 0.00                           | 0.0                           | 30.180                                                                                   | 34                | 8.5                         | 9.1           | 16              | 34        |                                   | 1                            | 1                    | 06   |                         |
| 07             | 72             | 43      | 58            | -13                      | 45                   | 7                                   | 0                                   |                                                                                                                                                 | 0                                                                        | 0.00                           | 0.0                           | 30.340                                                                                   | 07                | 1.2                         | 6.0           | 10              | 10        |                                   | 2                            | 2                    | 07   |                         |
| 08             | 74             | 47      | 61            | -9                       | 53                   | 4                                   | 0                                   |                                                                                                                                                 | 0                                                                        | 0.00                           | 0.0                           | 30.370                                                                                   | 17                | 6.0                         | 8.5           | 16              | 15        |                                   | 1                            | 1                    | 08   |                         |
| 09             | 76             | 50      | 63            | -7                       | 58                   | 2                                   | 0                                   | 1                                                                                                                                               | 0                                                                        | 0.00                           | 0.0                           | 30.195                                                                                   | 16                | 6.3                         | 7.5           | 15              | 16        |                                   | 2                            | 2                    | 09   |                         |
| 10             | 81             | 60      | 71            | 1                        | 66                   | 0                                   | 6                                   | 1                                                                                                                                               | 0                                                                        | 0.15                           | 0.0                           | 29.990                                                                                   | 16                | 5.2                         | 7.2           | 20              | 18        |                                   | 9                            | 7                    | 10   |                         |
| 11             | 79             | 59      | 69            | -1                       | 67                   | 0                                   | 4                                   | 1                                                                                                                                               | 0                                                                        | 0.00                           | 0.0                           | 29.910                                                                                   | 20                | 1.6                         | 3.8           | 9               | 18        |                                   | 8                            | 6                    | 11   |                         |
| 12             | 77             | 61      | 69            | 0                        | 63                   | 0                                   | 4                                   | 1                                                                                                                                               | 0                                                                        | 0.00                           | 0.0                           | 30.050                                                                                   | 06                | 4.7                         | 6.5           | 14              | 03        |                                   | 7                            | 8                    | 12   |                         |
| 13             | 78             | 55      | 67            | -2                       | 65                   | 0                                   | 2                                   | 1                                                                                                                                               | 0                                                                        | 0.00                           | 0.0                           | 30.055                                                                                   | 16                | 5.4                         | 8.4           | 15              | 14        |                                   | 6                            | 7                    | 13   |                         |
| 14             | 85             | 67      | 76            | 7                        | 70                   | 0                                   | 11                                  | 1 3 8                                                                                                                                           | 0                                                                        | 0.07                           | 0.0                           | 29.820                                                                                   | 26                | 2.4                         | 7.4           | 12              | 05        |                                   | 9                            | 9                    | 14   |                         |
| 15             | 71             | 49      | 60            | -8                       | 55                   | 5                                   | 0                                   |                                                                                                                                                 | 0                                                                        | 0.15                           | 0.0                           | 29.840                                                                                   | 34                | 9.1                         | 10.0          | 18              | 32        |                                   | 8                            | 7                    | 15   |                         |
| 16             | 68             | 40      | 54            | -14                      | 43                   | 11                                  | 0                                   |                                                                                                                                                 | 0                                                                        | 0.00                           | 0.0                           | 30.210                                                                                   | 33                | 6.4                         | 7.0           | 10              | 34        |                                   | 3                            | 1                    | 16   |                         |
| 17             | 70             | 44      | 57            | -11                      | 44                   | 8                                   | 0                                   |                                                                                                                                                 | 0                                                                        | 0.00                           | 0.0                           | 30.350                                                                                   | 02                | 3.8                         | 6.3           | 14              | 04        |                                   | 0                            | 0                    | 17   |                         |
| 18             | 70             | 43      | 57            | -10                      | 48                   | 8                                   | 0                                   |                                                                                                                                                 | 0                                                                        | 0.00                           | 0.0                           | 30.260                                                                                   | 08                | 0.9                         | 3.3           | 14              | 10        |                                   | 5                            | 3                    | 18   |                         |
| 19             | 75             | 44      | 60            | -7                       | 50                   | 5                                   | 0                                   |                                                                                                                                                 | 0                                                                        | 0.00                           | 0.0                           | 29.970                                                                                   | 26                | 5.6                         | 6.0           | 13              | 29        |                                   | 1                            | 0                    | 19   |                         |
| 20             | 82             | 54      | 68            | 1                        | 58                   | 0                                   | 3                                   | 1 8                                                                                                                                             | 0                                                                        | 0.00                           | 0.0                           | 29.780                                                                                   | 23                | 5.7                         | 6.2           | 15              | 23        |                                   | 0                            | 0                    | 20   |                         |
| 21             | 78             | 55      | 67            | 1                        | 53                   | 0                                   | 2                                   |                                                                                                                                                 | 0                                                                        | 0.00                           | 0.0                           | 29.960                                                                                   | 34                | 6.7                         | 7.3           | 14              | 34        |                                   | 4                            | 0                    | 21   |                         |
| 22             | 76             | 50      | 63            | -3                       | 57                   | 2                                   | 0                                   | 1 8                                                                                                                                             | 0                                                                        | 0.00                           | 0.0                           | 30.240                                                                                   | 17                | 3.9                         | 7.6           | 13              | 18        |                                   | 4                            | 3                    | 22   |                         |
| 23             | 83             | 56      | 70            | 5                        | 61                   | 0                                   | 5                                   | 1                                                                                                                                               | 0                                                                        | T                              | 0.0                           | 30.180                                                                                   | 22                | 5.8                         | 6.1           | 15              | 24        |                                   | 5                            | 5                    | 23   |                         |
| 24             | 85             | 66      | 76            | 11                       | 67                   | 0                                   | 11                                  | 8                                                                                                                                               | 0                                                                        | T                              | 0.0                           | 30.060                                                                                   | 18                | 3.5                         | 5.1           | 8               | 18        |                                   | 5                            | 7                    | 24   |                         |
| 25             | 85             | 66      | 76            | 11                       | 67                   | 0                                   | 11                                  | 1 8                                                                                                                                             | 0                                                                        | 0.00                           | 0.0                           | 29.950                                                                                   | 21                | 2.6                         | 5.1           | 13              | 17        |                                   | 7                            | 6                    | 25   |                         |
| 26             | 73             | 48      | 61            | -3                       | 53                   | 4                                   | 0                                   | 1 8                                                                                                                                             | 0                                                                        | 0.01                           | 0.0                           | 30.010                                                                                   | 34                | 8.2                         | 11.4          | 22              | 33        |                                   | 7                            | 6                    | 26   |                         |
| 27             | 60             | 38*     | 49            | -15                      | 36                   | 16                                  | 0                                   |                                                                                                                                                 | 0                                                                        | 0.02                           | 0.0                           | 30.290                                                                                   | 02                | 8.3                         | 9.5           | 16              | 04        |                                   | 9                            | 7                    | 27   |                         |
| 28             | 51             | 42      | 47*           | -17                      | 46                   | 18                                  | 0                                   | 1                                                                                                                                               | 0                                                                        | 0.68                           | 0.0                           | 30.180                                                                                   | 03                | 11.0                        | 11.2          | 15              | 04        |                                   | 10                           | 10                   | 28   |                         |
| 29             | 66             | 49      | 58            | -5                       | 49                   | 7                                   | 0                                   | 1                                                                                                                                               | 0                                                                        | 0.01                           | 0.0                           | 30.070                                                                                   | 01                | 9.4                         | 9.6           | 14              | 03        |                                   | 10                           | 10                   | 29   |                         |
| 30             | 67             | 46      | 57            | -6                       | 46                   | 8                                   | 0                                   |                                                                                                                                                 | 0                                                                        | 0.00                           | 0.0                           | 30.050                                                                                   | 06                | 8.5                         | 10.3          | 16              | 07        |                                   | 8                            | 7                    | 30   |                         |
| SUM            |                | SUM     |               |                          |                      | TOTAL                               | TOTAL                               | NUMBER OF DAYS                                                                                                                                  |                                                                          | TOTAL                          | TOTAL                         | FOR THE MONTH:                                                                           |                   |                             |               | TOTAL           |           | %                                 | SUM                          | SUM                  |      |                         |
| 2249           |                | 1570    |               |                          |                      | 113                                 | 80                                  |                                                                                                                                                 |                                                                          | 2.02                           | 0.0                           | 30.060                                                                                   | 34                | 1.6                         | 7.3           | 25              | 29        |                                   | FOR                          | 158                  | 144  |                         |
| AVG.           |                | AVG.    | AVG.          | DEP.                     | AVG.                 | DEP.                                | DEP.                                | PRECIPITATION                                                                                                                                   |                                                                          | DEP.                           |                               |                                                                                          |                   |                             |               |                 | DATE: 3   | POSSIBLE                          | MONTH                        | AVG.                 | AVG. |                         |
| 75.0           |                | 52.3    | 63.7          | -4.2                     | 55.4                 | 77                                  | -43                                 | > .01 INCH.                                                                                                                                     |                                                                          | 9                              | -1.57                         |                                                                                          |                   |                             |               |                 |           |                                   | 5.3                          | 4.8                  |      |                         |
| NUMBER OF DAYS |                |         |               |                          |                      | SEASON TO DATE                      |                                     | SNOW, ICE PELLETS                                                                                                                               |                                                                          | GREATEST IN 24 HOURS AND DATES |                               |                                                                                          |                   | GREATEST DEPTH ON GROUND OF |               |                 |           | SNOW, ICE PELLETS OR ICE AND DATE |                              |                      |      |                         |
|                |                |         |               |                          |                      | TOTAL                               | TOTAL                               | > 1.0 INCH                                                                                                                                      |                                                                          | 0                              |                               |                                                                                          |                   |                             |               |                 |           |                                   |                              |                      |      |                         |
| MAXIMUM TEMP.  |                |         | MINIMUM TEMP. |                          |                      | 115                                 | 1054                                | THUNDERSTORMS                                                                                                                                   |                                                                          | 2                              | PRECIPITATION                 |                                                                                          | SNOW, ICE PELLETS |                             |               |                 |           |                                   |                              |                      |      |                         |
| > 90 °         |                | < 32 °  |               | < 0 °                    |                      | DEP.                                | DEP.                                | HEAVY FOG                                                                                                                                       |                                                                          | 0                              | 0.93 03-04                    |                                                                                          | 0.0               |                             |               |                 |           |                                   | 0                            |                      |      |                         |
| 1              |                | 0       |               | 0                        |                      | 79                                  | 51                                  | CLEAR 11                                                                                                                                        |                                                                          | PARTLY CLOUDY 9                |                               | CLOUDY 10                                                                                |                   |                             |               |                 |           |                                   |                              |                      |      |                         |

\* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.  
T TRACE AMOUNT.  
+ ALSO ON EARLIER DATE(S).  
HEAVY FOG: VISIBILITY 1/4 MILE OR LESS.  
BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA.

DATA IN COLS 6 AND 12-15 ARE BASED ON 21 OR MORE OBSERVATIONS AT HOURLY INTERVALS. RESULTANT WIND IS THE VECTOR SUM OF WIND SPEEDS AND DIRECTIONS DIVIDED BY THE NUMBER OF OBSERVATIONS. ONE OF THREE WIND SPEEDS IS GIVEN UNDER FASTEST MILE: FASTEST MILE - HIGHEST RECORDED SPEED FOR WHICH A MILE OF WIND PASSES STATION (DIRECTION IN COMPASS POINTS). FASTEST OBSERVED ONE MINUTE WIND - HIGHEST ONE MINUTE SPEED (DIRECTION IN TENS OF DEGREES). PEAK GUST - HIGHEST INSTANTANEOUS WIND SPEED (A / APPEARS IN THE DIRECTION COLUMN). ERRORS WILL BE CORRECTED AND NOTED IN SUBSEQUENT PUBLICATIONS.

I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC DATA CENTER, ASHEVILLE, NORTH CAROLINA, 28801

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AND INFORMATION SERVICE

NATIONAL  
CLIMATIC DATA CENTER  
ASHEVILLE NORTH CAROLINA

Kenneth D. Walden  
DIRECTOR  
NATIONAL CLIMATIC DATA CENTER

## OBSERVATIONS AT 3-HOUR INTERVALS

SEP 1984 13781  
WILMINGTON, DELAWARE

| OBSERVATIONS AT 6 HOUR INTERVALS |                    |             |            |         |             |             |              |                |           |               |             |                    |                             |             |        |         |             |              |                | WILMINGTON, DELAWARE |               |    |  |    |     |    |   |     |    |          |    |     |    |    |  |  |  |  |  |
|----------------------------------|--------------------|-------------|------------|---------|-------------|-------------|--------------|----------------|-----------|---------------|-------------|--------------------|-----------------------------|-------------|--------|---------|-------------|--------------|----------------|----------------------|---------------|----|--|----|-----|----|---|-----|----|----------|----|-----|----|----|--|--|--|--|--|
| HOUR<br>L.S.T.                   | SKY COVER (TENTHS) | VISI-BILITY |            | WEATHER | TEMPERATURE |             |              |                | WIND      |               |             | SKY COVER (TENTHS) | CEILING IN HUNDREDS OF FEET | VISI-BILITY |        | WEATHER | TEMPERATURE |              |                |                      | WIND          |    |  |    |     |    |   |     |    |          |    |     |    |    |  |  |  |  |  |
|                                  |                    | WHOLE MILES | 16THS MILE |         | AIR OF      | WET BULB OF | DEW POINT OF | REL HUMIDITY % | DIRECTION | SPEED (KNOTS) | WHOLE MILES |                    |                             | 16THS MILE  | AIR OF |         | WET BULB OF | DEW POINT OF | REL HUMIDITY % | DIRECTION            | SPEED (KNOTS) |    |  |    |     |    |   |     |    |          |    |     |    |    |  |  |  |  |  |
| SEP 1st                          |                    |             |            |         |             |             |              |                |           |               |             |                    |                             |             |        |         |             |              |                | SEP 2nd              |               |    |  |    |     |    |   |     |    | SEP 3rd  |    |     |    |    |  |  |  |  |  |
| 01                               | 0                  | UNL         | 15         |         | 61          | 57          | 54           | 78             | 31        | 7             |             | 5                  | UNL                         | 12          |        |         | 62          | 58           | 55             | 78                   | 33            | 3  |  | 4  | UNL | 5  |   | F   | 69 | 68       | 67 | 93  | 00 | 0  |  |  |  |  |  |
| 04                               | 3                  | UNL         | 15         |         | 60          | 57          | 54           | 81             | 31        | 8             |             | 4                  | UNL                         | 12          |        |         | 59          | 57           | 56             | 90                   | 00            | 0  |  | 0  | UNL | 4  |   | F   | 66 | 65       | 65 | 97  | 00 | 0  |  |  |  |  |  |
| 07                               | 9                  | UNL         | 15         |         | 63          | 59          | 55           | 75             | 30        | 6             |             | 8                  | 75                          | 9           |        |         | 64          | 61           | 59             | 84                   | 00            | 0  |  | 2  | UNL | 2  |   | F   | 68 | 67       | 66 | 93  | 30 | 4  |  |  |  |  |  |
| 10                               | 7                  | UNL         | 15         |         | 74          | 62          | 53           | 48             | 35        | 9             |             | 8                  | 70                          | 12          |        |         | 70          | 62           | 57             | 64                   | 08            | 4  |  | 0  | UNL | 4  |   | H   | 81 | 74       | 70 | 69  | 26 | 6  |  |  |  |  |  |
| 13                               | 9                  | 250         | 15         |         | 79          | 64          | 54           | 42             | 33        | 7             |             | 10                 | 250                         | 12          |        |         | 75          | 68           | 64             | 69                   | 15            | 7  |  | 0  | UNL | 7  |   |     | 87 | 75       | 69 | 55  | 20 | 3  |  |  |  |  |  |
| 16                               | 8                  | UNL         | 15         |         | 79          | 65          | 55           | 44             | 31        | 12            |             | 3                  | UNL                         | 12          |        |         | 80          | 70           | 64             | 58                   | 14            | 3  |  | 9  | 250 | 5  |   | H   | 86 | 74       | 69 | 57  | 21 | 8  |  |  |  |  |  |
| 19                               | 9                  | UNL         | 15         |         | 69          | 61          | 56           | 63             | 30        | 7             |             | 3                  | UNL                         | 7           |        |         | 75          | 72           | 70             | 85                   | 18            | 4  |  | 10 | 60  | 5  |   | RWH | 79 | 74       | 71 | 77  | 25 | 5  |  |  |  |  |  |
| 22                               | 8                  | UNL         | 15         |         | 66          | 60          | 55           | 68             | 25        | 3             |             | 0                  | UNL                         | 7           |        |         | 73          | 69           | 67             | 82                   | 07            | 3  |  | 10 | 110 | 7  |   |     | 68 | 67       | 66 | 93  | 30 | 4  |  |  |  |  |  |
| SEP 4th                          |                    |             |            |         |             |             |              |                |           |               |             |                    |                             |             |        |         |             |              |                | SEP 5th              |               |    |  |    |     |    |   |     |    | SEP 6th  |    |     |    |    |  |  |  |  |  |
| 01                               | 10                 | 95          | 5          |         | 69          | 68          | 67           | 93             | 25        | 6             |             | 10                 | 250                         | 7           |        |         | 57          | 55           | 54             | 90                   | 32            | 6  |  | 0  | UNL | 12 |   |     | 53 | 50       | 48 | 83  | 01 | 6  |  |  |  |  |  |
| 04                               | 10                 | 25          | 1          | 8       | RF          | 69          | 68           | 68             | 97        | 23            | 5           | 10                 | 250                         | 10          |        |         | 54          | 53           | 52             | 93                   | 30            | 6  |  | 0  | UNL | 12 |   |     | 51 | 49       | 46 | 83  | 02 | 8  |  |  |  |  |  |
| 07                               | 10                 | 29          | 1          | 8       | RF          | 70          | 69           | 69             | 97        | 28            | 5           | 1                  | UNL                         | 7           |        |         | 53          | 53           | 52             | 96                   | 31            | 5  |  | 0  | UNL | 12 |   |     | 54 | 51       | 48 | 80  | 34 | 7  |  |  |  |  |  |
| 10                               | 10                 | 17          | 2          | 8       | RF          | 65          | 64           | 64             | 97        | 35            | 13          | 0                  | UNL                         | 15          |        |         | 68          | 60           | 54             | 61                   | 36            | 4  |  | 0  | UNL | 20 |   |     | 64 | 55       | 46 | 52  | 02 | 11 |  |  |  |  |  |
| 13                               | 10                 | 16          | 7          |         | 65          | 63          | 62           | 90             | 33        | 9             |             | 4                  | UNL                         | 15          |        |         | 73          | 62           | 54             | 52                   | 33            | 11 |  | 2  | UNL | 20 |   |     | 69 | 57       | 46 | 44  | 36 | 10 |  |  |  |  |  |
| 16                               | 10                 | 60          | 8          |         | 67          | 63          | 60           | 78             | 32        | 5             |             | 2                  | UNL                         | 15          |        |         | 72          | 61           | 52             | 50                   | 35            | 8  |  | 3  | UNL | 20 |   |     | 70 | 56       | 43 | 38  | 34 | 14 |  |  |  |  |  |
| 19                               | 10                 | 75          | 10         |         | 66          | 64          | 62           | 87             | 31        | 4             |             | 0                  | UNL                         | 12          |        |         | 62          | 56           | 50             | 65                   | 31            | 5  |  | 0  | UNL | 15 |   |     | 59 | 51       | 44 | 58  | 33 | 6  |  |  |  |  |  |
| 22                               | 10                 | 250         | 7          |         | 60          | 59          | 58           | 93             | 30        | 6             |             | 0                  | UNL                         | 12          |        |         | 54          | 53           | 52             | 93                   | 32            | 5  |  | 0  | UNL | 15 |   |     | 53 | 49       | 45 | 74  | 35 | 5  |  |  |  |  |  |
| SEP 7th                          |                    |             |            |         |             |             |              |                |           |               |             |                    |                             |             |        |         |             |              |                | SEP 8th              |               |    |  |    |     |    |   |     |    | SEP 9th  |    |     |    |    |  |  |  |  |  |
| 01                               | 0                  | UNL         | 15         |         | 49          | 48          | 46           | 90             | 32        | 4             |             | 3                  | UNL                         | 15          |        |         | 52          | 51           | 49             | 90                   | 32            | 5  |  | 0  | UNL | 15 |   |     | 57 | 55       | 54 | 90  | 02 | 4  |  |  |  |  |  |
| 04                               | 0                  | UNL         | 15         |         | 44          | 42          | 40           | 86             | 32        | 6             |             | 0                  | UNL                         | 15          |        |         | 49          | 48           | 46             | 90                   | 32            | 4  |  | 0  | UNL | 12 |   |     | 53 | 52       | 51 | 93  | 34 | 4  |  |  |  |  |  |
| 07                               | 0                  | UNL         | 15         |         | 50          | 48          | 46           | 86             | 34        | 4             |             | 0                  | UNL                         | 8           |        |         | 55          | 53           | 52             | 90                   | 00            | 0  |  | 0  | UNL | 5  |   | F   | 58 | 57       | 56 | 93  | 00 | 0  |  |  |  |  |  |
| 10                               | 0                  | UNL         | 15         |         | 65          | 53          | 42           | 43             | 10        | 9             |             | 1                  | UNL                         | 15          |        |         | 68          | 61           | 56             | 66                   | 18            | 9  |  | 2  | UNL | 12 |   |     | 70 | 64       | 60 | 71  | 18 | 10 |  |  |  |  |  |
| 13                               | 0                  | UNL         | 15         |         | 69          | 57          | 46           | 44             | 15        | 5             |             | 2                  | UNL                         | 15          |        |         | 72          | 63           | 56             | 57                   | 20            | 9  |  | 4  | UNL | 12 |   |     | 74 | 64       | 58 | 58  | 15 | 10 |  |  |  |  |  |
| 16                               | 6                  | UNL         | 15         |         | 70          | 55          | 41           | 35             | 13        | 8             |             | 2                  | UNL                         | 15          |        |         | 72          | 62           | 54             | 53                   | 18            | 12 |  | 4  | UNL | 12 |   |     | 75 | 66       | 60 | 60  | 18 | 9  |  |  |  |  |  |
| 19                               | 7                  | UNL         | 15         |         | 65          | 54          | 43           | 45             | 19        | 4             |             | 2                  | UNL                         | 15          |        |         | 65          | 59           | 54             | 68                   | 15            | 12 |  | 3  | UNL | 15 |   |     | 69 | 64       | 61 | 76  | 15 | 11 |  |  |  |  |  |
| 22                               | 6                  | UNL         | 15         |         | 59          | 55          | 51           | 75             | 18        | 4             |             | 3                  | UNL                         | 15          |        |         | 64          | 58           | 54             | 70                   | 18            | 10 |  | 4  | UNL | 15 |   |     | 65 | 63       | 61 | 87  | 16 | 9  |  |  |  |  |  |
| SEP 10th                         |                    |             |            |         |             |             |              |                |           |               |             |                    |                             |             |        |         |             |              |                | SEP 11th             |               |    |  |    |     |    |   |     |    | SEP 12th |    |     |    |    |  |  |  |  |  |
| 01                               | 2                  | UNL         | 10         |         | 64          | 63          | 63           | 97             | 15        | 4             |             | 0                  | UNL                         | 8           |        |         | 62          | 61           | 61             | 97                   | 32            | 3  |  | 10 | 12  | 1  | 8 | F   | 67 | 67       | 67 | 100 | 00 | 0  |  |  |  |  |  |
| 04                               | 10                 | 14          | 5          |         | 61          | 60          | 60           | 97             | 34        | 4             |             | 6                  | 14                          | 4           |        |         | 61          | 61           | 61             | 100                  | 00            | 0  |  | 10 | 18  | 5  |   | F   | 70 | 69       | 68 | 93  | 00 | 0  |  |  |  |  |  |
| 07                               | 10                 | 39          | 4          |         | 66          | 65          | 65           | 97             | 00        | 0             |             | 10                 | 12                          | 5           |        |         | 65          | 64           | 64             | 97                   | 32            | 5  |  | 5  | UNL | 8  |   |     | 70 | 68       | 66 | 87  | 03 | 6  |  |  |  |  |  |
| 10                               | 10                 | 48          | 10         |         | 73          | 70          | 68           | 84             | 16        | 10            |             | 10                 | 12                          | 8           |        |         | 72          | 69           | 68             | 87                   | 28            | 4  |  | 10 | 22  | 12 |   |     | 73 | 67       | 63 | 71  | 03 | 12 |  |  |  |  |  |
| 13                               | 8                  | 70          | 12         |         | 79          | 73          | 70           | 74             | 18        | 17            |             | 8                  | 25                          | 8           |        |         | 76          | 72           | 70             | 82                   | 22            | 3  |  | 10 | 41  | 12 |   |     | 73 | 67       | 63 | 71  | 03 | 9  |  |  |  |  |  |
| 16                               | 9                  | 39          | 10         |         | 73          | 70          | 68           | 84             | 23        | 4             |             | 5                  | UNL                         | 8           |        |         | 79          | 73           | 70             | 74                   | 13            | 7  |  | 5  | UNL | 15 |   |     | 76 | 67       | 62 | 62  | 12 | 6  |  |  |  |  |  |
| 19                               | 10                 | 32          | 12         |         | 70          | 66          | 64           | 81             | 15        | 12            |             | 4                  | UNL                         | 7           |        |         | 73          | 72           | 71             | 94                   | 18            | 6  |  | 6  | UNL | 15 |   |     | 70 | 63       | 59 | 68  | 00 | 0  |  |  |  |  |  |
| 22                               | 0                  | UNL         | 12         |         | 67          | 65          | 64           | 90             | 17        | 6             |             | 2                  | UNL                         | 6           |        |         | 69          | 68           | 68             | 97                   | 00            | 0  |  | 7  | UNL | 10 |   |     | 65 | 62       | 60 | 84  | 16 | 4  |  |  |  |  |  |
| SEP 13th                         |                    |             |            |         |             |             |              |                |           |               |             |                    |                             |             |        |         |             |              |                | SEP 14th             |               |    |  |    |     |    |   |     |    | SEP 15th |    |     |    |    |  |  |  |  |  |
| 01                               | 3                  | UNL         | 8          |         | 60          | 59          | 58           | 93             | 36        | 4             |             | 10                 | 14                          | 3           |        |         | 70          | 69           | 69             | 97                   | 18            | 6  |  | 10 | 34  | 10 |   |     | 67 | 64       | 62 | 84  | 01 | 7  |  |  |  |  |  |
| 04                               | 4                  | UNL         | 5          |         | 57          | 57          | 57           | 100            | 34        | 4             |             | 10                 | 2                           | 0           | 12     | F       | 70          | 70           | 70             | 100                  | 18            | 7  |  | 10 | 13  | 10 |   |     | 65 | 62       | 60 | 84  | 02 | 6  |  |  |  |  |  |
| 07                               | 0                  | UNL         | 3          |         | 62          | 61          | 60           | 93             | 35        | 4             |             | 10                 | 2                           | 1           |        | F       | 72          | 72           | 72             | 100                  | 22            | 5  |  | 10 | 22  | 7  |   |     | 63 | 61       | 60 | 90  | 02 | 8  |  |  |  |  |  |
| 10                               | 6                  | 20          | 10         |         | 72          | 68          | 65           | 79             | 14        | 5             |             | 10                 | 14                          | 4           |        | H       | 79          | 75           | 73             | 82                   | 25            | 10 |  | 10 | 12  | 3  |   |     | 60 | 59       | 59 | 97  | 34 | 11 |  |  |  |  |  |
| 13                               | 10                 | 20          | 10         |         | 74          | 70          | 67           | 79             | 15        | 11            |             | 8                  | UNL                         | 6           |        | H       | 82          | 76           | 73             | 74                   | 19            | 6  |  | 7  | 50  | 12 |   |     | 64 | 61       | 58 | 81  | 32 | 8  |  |  |  |  |  |
| 16                               | 10                 | 39          | 9          |         | 74          | 71          | 69           | 85             | 14        | 12            |             | 10                 | 26                          | 4           |        | H       | 78          | 73           | 71             | 79                   | 35            | 7  |  | 6  | 60  | 10 |   |     | 69 | 61       | 56 | 63  | 32 | 12 |  |  |  |  |  |
| 19                               | 10                 | 32          | 4          |         | 72          | 71          | 70           | 94             | 17        | 9             |             | 10                 | 24                          | 4           |        | F       | 74          | 72           | 71             | 90                   | 00            | 0  |  | 6  | 41  | 15 |   |     | 57 | 53       | 49 | 75  | 34 | 7  |  |  |  |  |  |
| 22                               | 10                 | 40          | 4          |         | 70          | 69          | 69           | 97             | 18        | 6             |             | 10                 | 32                          | 10          |        |         | 70          | 67           | 65             | 84                   | 36            | 7  |  | 0  | UNL | 15 |   |     | 52 | 49       | 46 | 80  | 34 | 8  |  |  |  |  |  |
| SEP 16th                         |                    |             |            |         |             |             |              |                |           |               |             |                    |                             |             |        |         |             |              |                | SEP 17th             |               |    |  |    |     |    |   |     |    | SEP 18th |    |     |    |    |  |  |  |  |  |
| 01                               | 0                  | UNL         | 15         |         | 47          | 45          | 43           | 86             | 33        | 8             |             | 0                  | UNL                         | 15          |        |         | 46          | 45           | 43             | 89                   | 31            | 6  |  | 0  | UNL | 12 |   |     | 47 | 47       | 46 | 96  | 00 | 0  |  |  |  |  |  |
| 04                               | 0                  | UNL         | 15         |         | 44          | 43          | 42           | 93             | 32        | 5             |             | 0                  | UNL                         | 15          |        |         | 45          | 44           | 42             | 89                   | 34            | 7  |  | 2  | UNL | 12 |   |     | 44 | 44       | 43 | 96  | 33 | 3  |  |  |  |  |  |
| 07                               | 0                  | UNL         | 15         |         | 47          | 46          | 44           | 89             | 36        | 7             |             | 0                  | UNL                         | 15          |        |         | 51          | 48           | 45             | 80                   | 00            | 0  |  | 6  | UNL | 9  |   |     | 49 | 48       | 47 | 93  | 00 | 0  |  |  |  |  |  |
| 10                               | 0                  | UNL         | 15         |         | 59          | 50          | 40           | 50             | 34        | 3             |             | 0                  | UNL                         | 15          |        |         | 62          | 52           | 43             | 50                   | 03            | 10 |  | 8  | 250 | 15 |   |     | 63 | 56       | 50 | 63  | 06 | 6  |  |  |  |  |  |
| 13                               | 4                  | UNL         | 15         |         | 63          | 51          | 39           | 41             | 27        | 9             |             | 0                  | UNL                         | 15          |        |         | 68          | 55           | 44             | 42                   | 05            | 6  |  | 8  | 250 | 15 |   |     | 67 | 58       | 50 | 55  | 00 | 0  |  |  |  |  |  |
| 16                               | 4                  | UNL         | 15         |         | 64          | 52          | 41           | 43             | 30        | 7             |             | 0                  | UNL                         | 15          |        |         | 68          | 55           | 42             | 39                   | 09            | 8  |  | 2  | UNL | 15 |   |     | 70 | 58       | 49 | 47  | 00 | 0  |  |  |  |  |  |
| 19                               | 1                  | UNL         | 15         |         | 57          | 51          | 44           | 62             | 00        | 0             |             | 0                  | UNL                         | 15          |        |         | 62          | 52           | 42             | 48                   | 00            | 0  |  | 0  | UNL | 15 |   |     | 61 | 56       | 51 | 70  | 20 | 3  |  |  |  |  |  |
| 22                               | 0                  | UNL         | 15         |         | 49          | 48          | 47           | 93             | 31        | 6             |             | 0                  | UNL                         | 15          |        |         | 56          | 51           | 47             | 72                   | 00            | 0  |  | 0  | UNL | 15 |   |     | 54 | 52       | 50 | 86  | 00 | 0  |  |  |  |  |  |

SEP 1984 13781  
WILMINGTON, DELAWARE

### SUMMARY BY HOURS

| HOUR | L.S.T | AVERAGES           |                           |             |             |              |                |                  | RESULTANT WIND |             |
|------|-------|--------------------|---------------------------|-------------|-------------|--------------|----------------|------------------|----------------|-------------|
|      |       | SKY COVER (TENTHS) | STATION PRESSURE (INCHES) | TEMPERATURE |             |              | REL HUMIDITY % | WIND SPEED (MPH) | DIRECTION      | SPEED (MPH) |
|      |       |                    |                           | AIR TEMP OF | WET BULB OF | DEW POINT OF |                |                  |                |             |
| 01   | 4     | 30.06              | 58                        | 56          | 55          | 89           | 4.9            | 34               | 2.8            |             |
| 04   | 5     | 30.05              | 56                        | 55          | 54          | 92           | 5.1            | 33               | 3.3            |             |
| 07   | 5     | 30.08              | 57                        | 57          | 55          | 90           | 4.6            | 35               | 3.2            |             |
| 10   | 6     | 30.09              | 68                        | 61          | 57          | 69           | 9.7            | 01               | 3.2            |             |
| 13   | 5     | 30.06              | 72                        | 63          | 56          | 60           | 9.8            | 23               | 0.1            |             |
| 16   | 5     | 30.03              | 73                        | 63          | 55          | 57           | 9.6            | 28               | 0.8            |             |
| 19   | 5     | 30.04              | 66                        | 60          | 56          | 72           | 6.8            | 18               | 1.6            |             |
| 22   | 5     | 30.07              | 61                        | 58          | 56          | 83           | 5.8            | 35               | 0.0            |             |

# HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

SEP 1984  
WILMINGTON, DELAWARE 13781

| DATE | A.M. HOUR ENDING AT |      |      |      |      |      |      |      |      |      |    |      | P.M. HOUR ENDING AT |      |      |      |      |      |      |      |      |      |    |    | DATE |
|------|---------------------|------|------|------|------|------|------|------|------|------|----|------|---------------------|------|------|------|------|------|------|------|------|------|----|----|------|
|      | 1                   | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11 | 12   | 1                   | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11 | 12 |      |
| 01   |                     |      |      |      |      |      |      |      |      |      |    |      |                     |      |      |      |      |      |      |      |      |      |    |    | 01   |
| 02   |                     |      |      |      |      |      |      |      |      |      |    |      |                     |      |      |      |      |      |      |      |      |      |    |    | 02   |
| 03   |                     |      |      |      |      |      |      |      |      |      |    |      |                     |      |      |      |      |      |      |      |      |      |    |    | 03   |
| 04   |                     | T    | 0.16 | 0.06 | T    | T    | T    | T    | T    | 0.17 | T  | T    | 0.01                | T    |      |      | T    | T    | 0.02 | 0.50 | 0.01 |      |    |    | 04   |
| 05   |                     |      |      |      |      |      |      |      |      |      |    |      |                     |      |      |      |      |      |      |      |      |      |    |    | 05   |
| 06   |                     |      |      |      |      |      |      |      |      |      |    |      |                     |      |      |      |      |      |      |      |      |      |    |    | 06   |
| 07   |                     |      |      |      |      |      |      |      |      |      |    |      |                     |      |      |      |      |      |      |      |      |      |    |    | 07   |
| 08   |                     |      |      |      |      |      |      |      |      |      |    |      |                     |      |      |      |      |      |      |      |      |      |    |    | 08   |
| 09   |                     |      |      |      |      |      |      |      |      |      |    |      |                     |      |      |      |      |      |      |      |      |      |    |    | 09   |
| 10   |                     |      |      |      |      |      | T    | 0.01 |      |      |    |      |                     | T    | T    | 0.04 | 0.04 | 0.06 |      |      |      |      |    |    | 10   |
| 11   |                     |      |      |      |      |      |      |      |      |      |    |      |                     |      |      |      |      |      |      |      |      |      |    |    | 11   |
| 12   |                     |      |      |      |      |      |      |      |      |      |    |      |                     |      |      |      |      |      |      |      |      |      |    |    | 12   |
| 13   |                     |      |      |      |      |      |      |      |      |      |    |      |                     |      |      |      |      |      |      |      |      |      |    |    | 13   |
| 14   |                     |      |      |      |      |      |      |      |      |      |    |      |                     |      |      |      | 0.07 | T    |      |      |      |      |    |    | 14   |
| 15   |                     |      |      |      |      | 0.03 | T    | 0.06 | 0.06 | T    | T  |      |                     |      |      |      |      |      |      |      |      |      |    |    | 15   |
| 16   |                     |      |      |      |      |      |      |      |      |      |    |      |                     |      |      |      |      |      |      |      |      |      |    |    | 16   |
| 17   |                     |      |      |      |      |      |      |      |      |      |    |      |                     |      |      |      |      |      |      |      |      |      |    |    | 17   |
| 18   |                     |      |      |      |      |      |      |      |      |      |    |      |                     |      |      |      |      |      |      |      |      |      |    |    | 18   |
| 19   |                     |      |      |      |      |      |      |      |      |      |    |      |                     |      |      |      |      |      |      |      |      |      |    |    | 19   |
| 20   |                     |      |      |      |      |      |      |      |      |      |    |      |                     |      |      |      |      |      |      |      |      |      |    |    | 20   |
| 21   |                     |      |      |      |      |      |      |      |      |      |    |      |                     |      |      |      |      |      |      |      |      |      |    |    | 21   |
| 22   |                     |      |      |      |      |      |      |      |      |      |    |      |                     |      |      |      |      |      |      |      |      |      |    |    | 22   |
| 23   |                     |      |      |      |      |      |      |      |      |      |    |      |                     |      |      |      |      |      |      |      |      |      |    |    | 23   |
| 24   |                     |      | T    | T    |      |      |      |      |      |      |    |      |                     |      |      |      |      |      |      |      |      |      | T  |    | 24   |
| 25   |                     |      |      |      |      |      |      |      |      |      |    |      |                     |      |      |      |      |      |      |      |      |      |    |    | 25   |
| 26   |                     |      |      |      |      |      |      |      |      |      |    |      |                     |      |      |      |      |      |      |      |      |      |    |    | 26   |
| 27   |                     |      |      |      |      |      |      |      |      |      |    |      |                     |      |      |      |      |      |      |      |      |      |    |    | 27   |
| 28   | 0.01                | 0.01 | 0.02 | 0.08 | 0.13 | 0.14 | 0.05 | 0.04 | T    | 0.01 | T  | 0.01 | T                   | 0.03 | 0.02 | 0.02 | 0.02 | 0.02 | T    | T    | 0.01 | 0.01 | T  | T  | 28   |
| 29   | 0.01                | T    |      |      |      | T    |      |      |      |      |    |      |                     |      |      |      |      |      |      |      |      |      |    |    | 29   |
| 30   |                     |      |      |      |      |      |      |      |      |      |    |      |                     |      |      |      |      |      |      |      |      |      |    |    | 30   |

## MAXIMUM SHORT DURATION PRECIPITATION

| TIME PERIOD (MINUTES)  | 5    | 10   | 15   | 20   | 30   | 45   | 60   | 80   | 100  | 120  | 150  | 180  |
|------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| PRECIPITATION (INCHES) | 0.15 | 0.27 | 0.39 | 0.41 | 0.47 | 0.48 | 0.51 | 0.52 | 0.53 | 0.53 | 0.53 | 0.53 |
| ENDED: DATE            | 03   | 03   | 03   | 03   | 03   | 03   | 03   | 03   | 03   | 03   | 03   | 03   |
| ENDED: TIME            | 1914 | 1914 | 1916 | 1920 | 1931 | 1937 | 1958 | 2016 | 2045 | 2045 | 2045 | 2045 |

THE PRECIPITATION AMOUNTS FOR THE INDICATED TIME INTERVALS MAY OCCUR AT ANY TIME DURING THE MONTH. THE TIME INDICATED IS THE ENDING TIME OF THE INTERVAL. DATE AND TIME ARE NOT ENTERED FOR TRACE AMOUNTS.

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