

AUG 1992  
WILMINGTON, DE  
NAT'L WEA SER OFC  
AIRPORT TERMINAL BLDG

ISSN 0198-117X



# LOCAL CLIMATOLOGICAL DATA Monthly Summary

GREATER WILMINGTON AIRPORT

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

AUG 1992  
WILMINGTON, DE

| 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 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) |          |                              |                      |                         |  |
|----------------|----------------|---------|---------|--------------------------|----------------------|-------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|------------------------------|-------------------------------|------------------------------------------------------------------------------------------|-----------------------------|-----------------|---------------|--------------|-----------|------------------|-----------------------|----------|------------------------------|----------------------|-------------------------|--|
|                | 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 | PEAK<br>GUST | DIRECTION | FASTEST<br>1-MIN | DIRECTION             | MINUTES  | PERCENT OF<br>TOTAL POSSIBLE | SUNRISE<br>TO SUNSET | MIDNIGHT<br>TO MIDNIGHT |  |
| 1              | 2              | 3       | 4       | 5                        | 6                    | 7A                                  | 7B                                  | 8                                                                                                                                               | 9                                                                     | 10                           | 11                            | 12                                                                                       | 13                          | 14              | 15            | 16           | 17        | 18               | 19                    | 20       | 21                           | 22                   | 23                      |  |
| 01             | 79             | 62      | 71      | -5                       | 58                   | 0                                   | 6                                   | 1                                                                                                                                               | 0                                                                     | 0.00                         | 0.0                           | 29.920                                                                                   | 31                          | 9.9             | 10.9          | 28           | N         | 22               | 34                    |          | 0                            | 0                    |                         |  |
| 02             | 82             | 60      | 71      | -5                       | 61                   | 0                                   | 6                                   |                                                                                                                                                 | 0                                                                     | 0.00                         | 0.0                           | 30.010                                                                                   | 22                          | 5.1             | 6.3           | 18           | W         | 15               | 23                    |          | 6                            | 4                    |                         |  |
| 03             | 83             | 66      | 75      | -1                       | 69                   | 0                                   | 10                                  |                                                                                                                                                 | 0                                                                     | 0.00                         | 0.0                           | 29.890                                                                                   | 17                          | 5.9             | 6.4           | 23           | S         | 15               | 15                    |          | 4                            | 6                    |                         |  |
| 04             | 84             | 64      | 74      | -2                       | 67                   | 0                                   | 9                                   | 8                                                                                                                                               | 0                                                                     | 0.00                         | 0.0                           | 29.820                                                                                   | 29                          | 3.6             | 6.2           | 24           | N         | 21               | 35                    |          | 7                            | 6                    |                         |  |
| 05             | 80             | 59      | 70      | -6                       | 60                   | 0                                   | 5                                   |                                                                                                                                                 | 0                                                                     | 0.00                         | 0.0                           | 30.040                                                                                   | 32                          | 5.9             | 6.3           | 16           | NW        | 12               | 34                    |          | 8                            | 6                    |                         |  |
| 06             | 83             | 58      | 71      | -5                       | 60                   | 0                                   | 6                                   |                                                                                                                                                 | 0                                                                     | 0.00                         | 0.0                           | 30.170                                                                                   | 08                          | 2.2             | 5.9           | 18           | E         | 12               | 07                    |          | 3                            | 3                    |                         |  |
| 07             | 82             | 58      | 70      | -6                       | 62                   | 0                                   | 5                                   | 1                                                                                                                                               | 0                                                                     | 0.00                         | 0.0                           | 30.170                                                                                   | 13                          | 2.9             | 5.8           | 16           | S         | 12               | 17                    |          | 0                            | 1                    |                         |  |
| 08             | 80             | 62      | 71      | -5                       | 68                   | 0                                   | 6                                   | 1                                                                                                                                               | 0                                                                     | 0.00                         | 0.0                           | 30.080                                                                                   | 16                          | 6.1             | 7.0           | 18           | S         | 12               | 16                    |          | 10                           | 9                    |                         |  |
| 09             | 87             | 72      | 80      | 4                        | 71                   | 0                                   | 15                                  | 1                                                                                                                                               | 0                                                                     | 0.00                         | 0.0                           | 29.880                                                                                   | 27                          | 5.1             | 7.9           | 18           | NW        | 14               | 31                    |          | 5                            | 6                    |                         |  |
| 10             | 88             | 68      | 78      | 2                        | 67                   | 0                                   | 13                                  | 1                                                                                                                                               | 0                                                                     | 0.00                         | 0.0                           | 29.810                                                                                   | 27                          | 4.1             | 5.0           | 15           | W         | 9                | 26                    |          | 2                            | 3                    |                         |  |
| 11             | 92*            | 69      | 81      | -5                       | 71                   | 0                                   | 16                                  | 1 3                                                                                                                                             | 0                                                                     | 0.52                         | 0.0                           | 29.760                                                                                   | 25                          | 5.8             | 7.5           | 46           | N         | 32               | 34                    |          | 5                            | 5                    |                         |  |
| 12             | 82             | 65      | 74      | -2                       | 62                   | 0                                   | 9                                   | 1                                                                                                                                               | 0                                                                     | 0.00                         | 0.0                           | 29.960                                                                                   | 34                          | 5.8             | 6.7           | 20           | NW        | 13               | 31                    |          | 9                            | 8                    |                         |  |
| 13             | 76             | 63      | 70      | -5                       | 64                   | 0                                   | 5                                   | 1                                                                                                                                               | 0                                                                     | 0.46                         | 0.0                           | 30.040                                                                                   | 08                          | 4.5             | 6.7           | 15           | N         | 10               | 02                    |          | 10                           | 10                   |                         |  |
| 14             | 74             | 62      | 68      | -7                       | 62                   | 0                                   | 3                                   | 1                                                                                                                                               | 0                                                                     | 0.07                         | 0.0                           | 30.070                                                                                   | 06                          | 7.4             | 8.6           | 16           | NE        | 12               | 04                    |          | 10                           | 10                   |                         |  |
| 15             | 67             | 61      | 64*     | -11                      | 62                   | 1                                   | 0                                   | 1                                                                                                                                               | 0                                                                     | 0.45                         | 0.0                           | 30.060                                                                                   | 04                          | 11.0            | 11.6          | 28           | NE        | 18               | 06                    |          | 10                           | 10                   |                         |  |
| 16             | 68             | 62      | 65      | -10                      | 65                   | 0                                   | 0                                   | 1                                                                                                                                               | 0                                                                     | 0.23                         | 0.0                           | 30.050                                                                                   | 04                          | 9.0             | 9.2           | 17           | NE        | 13               | 06                    |          | 10                           | 10                   |                         |  |
| 17             | 74             | 66      | 70      | -5                       | 68                   | 0                                   | 5                                   | 23                                                                                                                                              | 0                                                                     | 0.38                         | 0.0                           | 30.070                                                                                   | 06                          | 3.2             | 5.4           | 12           | SE        | 9                | 15                    |          | 10                           | 10                   |                         |  |
| 18             | 80             | 67      | 74      | -1                       | 68                   | 0                                   | 9                                   | 1                                                                                                                                               | 0                                                                     | 0.07                         | 0.0                           | 29.970                                                                                   | 27                          | 1.7             | 4.2           | 13           | S         | 8                | 25                    |          | 8                            | 7                    |                         |  |
| 19             | 84             | 64      | 74      | -1                       | 64                   | 0                                   | 9                                   | 1                                                                                                                                               | 0                                                                     | 0.00                         | 0.0                           | 29.930                                                                                   | 29                          | 4.9             | 6.2           | 20           | NW        | 14               | 33                    |          | 4                            | 5                    |                         |  |
| 20             | 80             | 60      | 70      | -5                       | 59                   | 0                                   | 5                                   | 1                                                                                                                                               | 0                                                                     | 0.00                         | 0.0                           | 30.010                                                                                   | 34                          | 5.3             | 6.4           | 15           | NW        | 10               | 30                    |          | 3                            | 2                    |                         |  |
| 21             | 80             | 55      | 68      | -6                       | 58                   | 0                                   | 3                                   |                                                                                                                                                 | 0                                                                     | 0.00                         | 0.0                           | 30.150                                                                                   | 34                          | 1.8             | 4.3           | 14           | W         | 8                | 07                    |          | 1                            | 0                    |                         |  |
| 22             | 82             | 56      | 69      | -5                       | 63                   | 0                                   | 4                                   | 1                                                                                                                                               | 0                                                                     | 0.00                         | 0.0                           | 30.190                                                                                   | 35                          | 1.1             | 3.1           | 12           | E         | 7                | 20                    |          | 10                           | 8                    |                         |  |
| 23             | 84             | 60      | 72      | -2                       | 65                   | 0                                   | 7                                   | 1                                                                                                                                               | 0                                                                     | 0.00                         | 0.0                           | 30.250                                                                                   | 13                          | 2.1             | 5.6           | 14           | S         | 10               | 16                    |          | 7                            | 6                    |                         |  |
| 24             | 83             | 62      | 73      | -1                       | 68                   | 0                                   | 8                                   | 1                                                                                                                                               | 0                                                                     | 0.00                         | 0.0                           | 30.230                                                                                   | 17                          | 3.8             | 4.6           | 14           | S         | 10               | 15                    |          | 5                            | 3                    |                         |  |
| 25             | 88             | 66      | 77      | 3                        | 70                   | 0                                   | 12                                  | 1                                                                                                                                               | 0                                                                     | 0.00                         | 0.0                           | 30.120                                                                                   | 23                          | 3.2             | 3.8           | 13           | SW        | 8                | 22                    |          | 9                            | 7                    |                         |  |
| 26             | 91             | 71      | 81*     | 8                        | 71                   | 0                                   | 16                                  | 1                                                                                                                                               | 0                                                                     | 0.00                         | 0.0                           | 30.010                                                                                   | 33                          | 4.0             | 5.1           | 16           | NW        | 10               | 32                    |          | 4                            | 5                    |                         |  |
| 27             | 90             | 69      | 80      | 7                        | 72                   | 0                                   | 15                                  | 1 3                                                                                                                                             | 0                                                                     | 0.00                         | 0.0                           | 29.890                                                                                   | 16                          | 0.8             | 3.6           | 20           | S         | 14               | 34                    |          | 3                            | 4                    |                         |  |
| 28             | 86             | 69      | 78      | 5                        | 73                   | 0                                   | 13                                  | 1 3                                                                                                                                             | 0                                                                     | 0.03                         | 0.0                           | 29.680                                                                                   | 18                          | 9.7             | 12.5          | 37           | S         | 26               | 15                    |          | 7                            | 8                    |                         |  |
| 29             | 75             | 57      | 66      | -7                       | 56                   | 0                                   | 1                                   |                                                                                                                                                 | 0                                                                     | 0.00                         | 0.0                           | 29.870                                                                                   | 28                          | 9.9             | 10.7          | 25           | NW        | 18               | 26                    |          | 3                            | 1                    |                         |  |
| 30             | 79             | 53*     | 66      | -7                       | 58                   | 0                                   | 1                                   |                                                                                                                                                 | 0                                                                     | 0.00                         | 0.0                           | 29.980                                                                                   | 23                          | 8.9             | 9.8           | 24           | SW        | 17               | 22                    |          | 2                            | 2                    |                         |  |
| 31             | 83             | 62      | 73      | -1                       | 60                   | 0                                   | 8                                   |                                                                                                                                                 | 0                                                                     | 0.00                         | 0.0                           | 29.930                                                                                   | 28                          | 8.4             | 9.9           | 26           | W         | 16               | 29                    |          | 6                            | 4                    |                         |  |
| SUM            | SUM            |         |         |                          |                      | TOTAL                               | TOTAL                               | NUMBER OF DAYS                                                                                                                                  |                                                                       | TOTAL                        | TOTAL                         | FOR THE MONTH:                                                                           |                             |                 |               |              |           |                  |                       | TOTAL    | %                            | SUM                  | SUM                     |  |
| 2525           | 1948           |         |         |                          |                      | 1                                   | 230                                 |                                                                                                                                                 |                                                                       | 2.21                         | 0.0                           | 30.000                                                                                   | 29                          | 1.2             | 6.9           | 46           | N         | 32               | 34                    |          | FOR                          | 181                  | 169                     |  |
| AVG.           | AVG.           | AVG.    | DEP.    | AVG.                     | DEP.                 | 1                                   | 7.4                                 | PRECIPITATION                                                                                                                                   |                                                                       | DEP.                         |                               |                                                                                          |                             |                 |               |              |           |                  |                       | POSSIBLE | MONTH                        | AVG.                 | AVG.                    |  |
| 81.5           | 62.8           | 72.2    | -2.6    | 64.5                     |                      | 1                                   | -7.4                                | ≥ .01 INCH.                                                                                                                                     | 8                                                                     | -1.82                        |                               |                                                                                          |                             |                 |               |              |           |                  |                       |          |                              | 5.8                  | 5.5                     |  |
| NUMBER OF DAYS |                |         |         |                          |                      |                                     |                                     |                                                                                                                                                 | GREATEST IN 24 HOURS AND DATES                                        |                              |                               |                                                                                          | GREATEST DEPTH ON GROUND OF |                 |               |              |           |                  |                       |          |                              |                      |                         |  |
| SEASON TO DATE |                |         |         |                          |                      |                                     |                                     |                                                                                                                                                 | SNOW, ICE PELLETS                                                     |                              |                               |                                                                                          | SNOW, ICE PELLETS           |                 |               |              |           |                  |                       |          |                              |                      |                         |  |
| TOTAL          |                |         |         |                          |                      |                                     |                                     |                                                                                                                                                 | THUNDERSTORMS                                                         |                              |                               |                                                                                          | SNOW, ICE PELLETS           |                 |               |              |           |                  |                       |          |                              |                      |                         |  |
| MAXIMUM TEMP.  |                |         |         |                          |                      |                                     |                                     |                                                                                                                                                 | PRECIPITATION                                                         |                              |                               |                                                                                          | SNOW, ICE PELLETS           |                 |               |              |           |                  |                       |          |                              |                      |                         |  |
| ≥ 90°          |                |         |         |                          |                      |                                     |                                     |                                                                                                                                                 | HEAVY FOG                                                             |                              |                               |                                                                                          |                             |                 |               |              |           |                  |                       |          |                              |                      |                         |  |
| ≤ 32°          |                |         |         |                          |                      |                                     |                                     |                                                                                                                                                 | CLEAR                                                                 |                              |                               |                                                                                          |                             |                 |               |              |           |                  |                       |          |                              |                      |                         |  |
| ≤ 32°          |                |         |         |                          |                      |                                     |                                     |                                                                                                                                                 | PARTLY CLOUDY                                                         |                              |                               |                                                                                          |                             |                 |               |              |           |                  |                       |          |                              |                      |                         |  |
| ≤ 0°           |                |         |         |                          |                      |                                     |                                     |                                                                                                                                                 | CLOUDY                                                                |                              |                               |                                                                                          |                             |                 |               |              |           |                  |                       |          |                              |                      |                         |  |
| DEP.           |                |         |         |                          |                      |                                     |                                     |                                                                                                                                                 | 1                                                                     |                              |                               |                                                                                          | 0.53                        |                 |               |              | 13-14     |                  |                       |          | 0.0                          |                      |                         |  |
| 3              |                |         |         |                          |                      |                                     |                                     |                                                                                                                                                 | 0                                                                     |                              |                               |                                                                                          | 0                           |                 |               |              | 0         |                  |                       |          | 0                            |                      |                         |  |

\* EXTREME FOR THE MONTH - LAST OCCURRENCE IF MORE THAN ONE.  
† 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. COLS 16 & 17: PEAK GUST - HIGHEST INSTANTANEOUS WIND SPEED. ONE OF TWO WIND SPEEDS IS GIVEN UNDER COLS 18 & 19: 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). ERRORS WILL BE CORRECTED 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

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NATIONAL  
CLIMATIC DATA CENTER  
ASHEVILLE NORTH CAROLINA

Kenneth D. Hadden  
DIRECTOR  
NATIONAL CLIMATIC DATA CENTER

## 13781

MAXIMUM SHORT DURATION PRECIPITATION

|                        |      |      |      |      |      |      |      |      |      |      |      |      |
|------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| TIME PERIOD (MINUTES)  | 5    | 10   | 15   | 20   | 30   | 45   | 60   | 80   | 100  | 120  | 150  | 180  |
| PRECIPITATION (INCHES) | 0.15 | 0.24 | 0.28 | 0.32 | 0.36 | 0.39 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.44 |
| ENDED: DATE            | 11   | 11   | 11   | 11   | 11   | 11   | 11   | 11   | 11   | 11   | 11   | 11   |
| ENDED: TIME            | 1511 | 1514 | 1518 | 1524 | 1534 | 1549 | 1559 | 1559 | 1559 | 1559 | 1559 | 1759 |

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.

AUG 1992 13781  
WILMINGTON, DE

SUMMARY BY HOURS

| HOUR L.S.T | SKY COVER (TENTHS) | STATION PRESSURE<br>(INCHES) | AVERAGES    |             |              |                |                  | RESULTANT<br>WIND |             |
|------------|--------------------|------------------------------|-------------|-------------|--------------|----------------|------------------|-------------------|-------------|
|            |                    |                              | TEMPERATURE |             |              | REL HUMIDITY % | WIND SPEED (MPH) | DIRECTION         | SPEED (MPH) |
|            |                    |                              | AIR TEMP of | WET BULB of | DEW POINT of |                |                  |                   |             |
| 01         | 5                  | 29.990                       | 67          | 65          | 64           | 91             | 4.8              | 28                | 1.5         |
| 04         | 5                  | 29.990                       | 65          | 64          | 63           | 94             | 4.4              | 34                | 1.6         |
| 07         | 5                  | 30.020                       | 68          | 66          | 64           | 90             | 5.9              | 34                | 2.3         |
| 10         | 3                  | 30.030                       | 76          | 69          | 65           | 71             | 8.0              | 33                | 1.7         |
| 13         | 6                  | 30.000                       | 80          | 70          | 65           | 63             | 9.5              | 26                | 2.2         |
| 16         | 6                  | 29.980                       | 79          | 70          | 65           | 64             | 9.1              | 25                | 1.8         |
| 19         | 6                  | 29.980                       | 73          | 68          | 64           | 74             | 6.9              | 20                | 1.2         |
| 22         | 3                  | 30.010                       | 69          | 67          | 65           | 86             | 5.5              | 21                | 1.7         |

|    |                  |     |                    |    |               |
|----|------------------|-----|--------------------|----|---------------|
| X  | TORNADO          | SW  | SNOW SHOWERS       | GF | GROUND FOG    |
| T  | THUNDERSTORM     | SG  | SNOW GRAINS        | BD | BLOWING DUST  |
| Q  | SQUALL           | SP  | SNOW PELLETS       | BN | BLOWING SAND  |
| R  | RAIN             | 1C  | ICE CRYSTALS       | BS | BLOWING SNOW  |
| RW | RAIN SHOWERS     | 1P  | ICE PELLETS        | BY | BLOWING SPRAY |
| ZR | FREEZING RAIN    | 1PW | ICE PELLET SHOWERS | K  | SMOKE         |
| L  | DRIZZLE          | A   | HAIL               | H  | HAZE          |
| ZL | FREEZING DRIZZLE | F   | FOG                | D  | DUST          |
| S  | SNOW             | 1F  | ICE FOG            |    |               |

CEILING: UNL INDICATES UNLIMITED  
WIND DIRECTION: DIRECTIONS ARE THOSE FROM WHICH THE WIND BLOWS, INDICATED  
IN TENS OF DEGREES FROM TRUE NORTH: I.E., 09 FOR EAST, 18 FOR SOUTH  
27 FOR WEST. AN ENTRY OF 00 INDICATES CALM.  
SPEED: THE OBSERVED AVERAGE ONE-MINUTE VALUE, EXPRESSED IN KNOTS  
(MPH=KNOTS X 1.15).

OFFICIAL BUSINESS  
PENALTY FOR PRIVATE USE \$300

FIRST CLASS  
POSTAGE AND FEES PAID  
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