

OCT 1989
 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

OCT 1989
 WILMINGTON, DE

| DATE | TEMPERATURE °F | | | | | | DEGREE DAYS BASE 65°F | | WEATHER TYPES 1 FOG 2 HEAVY FOG 3 THUNDERSTORM 4 ICE PELLETS 5 HAIL 6 GLAZE 7 DUSTSTORM 8 SMOKE, HAZE 9 BLOWING SNOW | SNOW ICE PELLETS OR ICE ON GROUND AT 0700 INCHES | PRECIPITATION | | AVERAGE STATION PRESSURE IN INCHES | WIND (M.P.H.) | | | | SUNSHINE | | SKY COVER (TENTHS) | |
|----------------|----------------|---------------|---------|-----------------------|-------------------|----------------------------------|----------------------------------|------------------------------|---|--|----------------------------|-------------------------|------------------------------------|---|-----------------|---------------|-----------|-----------|---------------|--------------------|---------------------------|
| | MAXIMUM | MINIMUM | AVERAGE | DEPARTURE FROM NORMAL | AVERAGE DEW POINT | HEATING (SEASON BEGINS WITH JUL) | COOLING (SEASON BEGINS WITH JAN) | WATER EQUIVALENT (INCHES) | | | SNOW, ICE PELLETS (INCHES) | ELEV. FEET ABOVE M.S.L. | | RESULTANT DIR. | RESULTANT SPEED | AVERAGE SPEED | PEAK GUST | DIRECTION | FASTEST 1-MIN | MINUTES | PERCENT OF TOTAL POSSIBLE |
| 01 | 71 | 52 | 62 | 0 | 57 | 3 | 0 | 1 | 0 | 0.12 | 0.0 | 30.120 | 09 | 7.4 | 8.3 | 18 | NE | 14 | 08 | 10 | 10 |
| 02 | 73 | 64 | 69 | 7 | 67 | 0 | 4 | 1 | 0 | 1.27 | 0.0 | 29.820 | 17 | 2.8 | 5.3 | 16 | S | 10 | 16 | 10 | 9 |
| 03 | 73 | 48 | 61 | 0 | 53 | 4 | 0 | 1 | 8 | 0.00 | 0.0 | 29.810 | 31 | 10.5 | 11.0 | 30 | NW | 20 | 31 | 1 | 1 |
| 04 | 59 | 42 | 51 | -10 | 35 | 14 | 0 | 0 | 0 | 0.00 | 0.0 | 29.900 | 29 | 9.3 | 10.6 | 26 | NW | 18 | 33 | 3 | 1 |
| 05 | 67 | 44 | 56 | -4 | 40 | 9 | 0 | 0 | 0 | 0.00 | 0.0 | 29.880 | 27 | 8.2 | 9.5 | 25 | NW | 16 | 31 | 0 | 1 |
| 06 | 71 | 52 | 62 | 2 | 53 | 3 | 0 | 1 | 0 | 0.05 | 0.0 | 29.735 | 24 | 5.9 | 6.5 | 16 | SW | 12 | 23 | 9 | 9 |
| 07 | 64 | 43 | 54 | -6 | 44 | 11 | 0 | 1 | 0 | 0.07 | 0.0 | 29.850 | 30 | 8.2 | 9.1 | 29 | NW | 17 | 32 | 4 | 4 |
| 08 | 60 | 38 | 49 | -10 | 37 | 16 | 0 | 0 | 0 | 0.00 | 0.0 | 29.880 | 31 | 6.4 | 6.7 | 23 | NW | 12 | 31 | 6 | 4 |
| 09 | 55 | 38 | 47 | -12 | 34 | 18 | 0 | 0 | 0 | 0.00 | 0.0 | 30.060 | 32 | 6.9 | 7.3 | 23 | NW | 16 | 33 | 4 | 3 |
| 10 | 62 | 36 | 49 | -9 | 42 | 16 | 0 | 0 | 0 | 0.05 | 0.0 | 30.110 | 15 | 6.6 | 8.0 | 25 | SE | 17 | 14 | 6 | 7 |
| 11 | 65 | 44 | 55 | -3 | 45 | 10 | 0 | 1 | 0 | 0.00 | 0.0 | 30.055 | 30 | 5.8 | 6.5 | 29 | NW | 17 | 29 | 0 | 1 |
| 12 | 75 | 42 | 59 | 1 | 49 | 6 | 0 | 1 | 8 | 0.00 | 0.0 | 30.060 | 20 | 4.9 | 6.4 | 23 | SW | 16 | 18 | 0 | 0 |
| 13 | 80 | 49 | 65 | 8 | 54 | 0 | 0 | 1 | 8 | 0.00 | 0.0 | 30.020 | 29 | 4.1 | 4.7 | 17 | H | 13 | 32 | 3 | 3 |
| 14 | 74 | 54 | 64 | 7 | 57 | 1 | 0 | 1 | 8 | 0.00 | 0.0 | 30.010 | 14 | 3.3 | 5.7 | 14 | S | 12 | 08 | 9 | 8 |
| 15 | 80 | 56 | 68 | 11 | 61 | 0 | 3 | 2 | 8 | 0.00 | 0.0 | 29.960 | 16 | 3.3 | 3.7 | 10 | SE | 8 | 16 | 5 | 4 |
| 16 | 84* | 59 | 72* | 16 | 61 | 0 | 7 | 2 | 8 | 0.00 | 0.0 | 29.940 | 20 | 4.4 | 6.8 | 23 | SW | 15 | 24 | 7 | 9 |
| 17 | 72 | 63 | 68 | 12 | 65 | 0 | 3 | 1 | 0 | 0.52 | 0.0 | 29.860 | 21 | 7.0 | 7.3 | 21 | SW | 15 | 22 | 10 | 9 |
| 18 | 64 | 45 | 55 | 0 | 51 | 10 | 0 | 1 | 0 | 0.13 | 0.0 | 30.005 | 04 | 10.1 | 10.4 | 21 | NE | 14 | 04 | 10 | 10 |
| 19 | 56 | 46 | 51 | -4 | 49 | 14 | 0 | 1 | 0 | 0.67 | 0.0 | 29.920 | 06 | 17.9 | 18.2 | 37 | NE | 25 | 06 | 10 | 10 |
| 20 | 65 | 37 | 51 | -4 | 48 | 14 | 0 | 2 | 0 | 0.74 | 0.0 | 29.720 | 31 | 3.0 | 11.0 | 32 | S | 17 | 31 | 10 | 8 |
| 21 | 54 | 38 | 46* | -8 | 33 | 19 | 0 | 0 | 0 | 0.00 | 0.0 | 29.820 | 22 | 8.8 | 9.2 | 23 | SW | 16 | 23 | 5 | 7 |
| 22 | 61 | 41 | 51 | -3 | 36 | 14 | 0 | 0 | 0 | 0.00 | 0.0 | 30.090 | 28 | 9.4 | 10.2 | 30 | NW | 18 | 30 | 3 | 2 |
| 23 | 65 | 36* | 51 | -3 | 39 | 14 | 0 | 0 | 0 | 0.00 | 0.0 | 30.360 | 28 | 1.2 | 4.8 | 10 | N | 7 | 17 | 6 | 4 |
| 24 | 68 | 37 | 53 | 0 | 40 | 12 | 0 | 2 | 0 | 0.00 | 0.0 | 30.350 | 28 | 0.8 | 3.3 | 10 | S | 7 | 32 | 6 | 3 |
| 25 | 71 | 38 | 55 | 2 | 44 | 10 | 0 | 0 | 0 | 0.00 | 0.0 | 30.280 | 35 | 2.4 | 4.1 | 14 | NE | 9 | 08 | 7 | 6 |
| 26 | 76 | 45 | 61 | 8 | 47 | 4 | 0 | 1 | 8 | 0.00 | 0.0 | 30.250 | 33 | 3.6 | 4.6 | 16 | NE | 8 | 36 | 1 | 1 |
| 27 | 75 | 45 | 60 | 8 | 50 | 5 | 0 | 1 | 8 | 0.00 | 0.0 | 30.240 | 34 | 4.9 | 5.5 | 16 | N | 12 | 02 | 3 | 1 |
| 28 | 76 | 51 | 64 | 12 | 54 | 1 | 0 | 1 | 8 | 0.00 | 0.0 | 30.200 | 03 | 1.0 | 3.4 | 10 | NE | 8 | 06 | 1 | 1 |
| 29 | 72 | 49 | 61 | 9 | 52 | 4 | 0 | 1 | 8 | 0.00 | 0.0 | 30.200 | 16 | 1.5 | 3.1 | 13 | SE | 8 | 17 | 6 | 3 |
| 30 | 73 | 48 | 61 | 10 | 55 | 4 | 0 | 2 | 8 | 0.00 | 0.0 | 30.150 | 10 | 2.0 | 4.6 | 12 | SE | 7 | 09 | 8 | 8 |
| 31 | 71 | 59 | 65 | 14 | 61 | 0 | 0 | 2 | 0 | 0.30 | 0.0 | 29.855 | 03 | 3.5 | 8.3 | 30 | NW | 20 | 30 | 10 | 10 |
| SUM | SUM | | | | TOTAL | TOTAL | | | | TOTAL | TOTAL | FOR THE MONTH: | | | | TOTAL | % | SUM | SUM | | |
| 2132 | 1439 | | | | 235 | 17 | | | | 3.92 | 0.0 | 30.020 | 30 | 1.6 | 7.2 | 37 | NE | 25 | 06 | | |
| AVG. | AVG. | AVG. | DEP. | AVG. | DEP. | DEP. | | | | DEP. | | | | | | DATE: 19 | DATE: 19 | POSSIBLE | MONTH | AVG. | AVG. |
| 68.8 | 46.4 | 57.6 | 1.3 | 48.8 | -46 | 5 | | | | 1.03 | | | | | | | | | 5.6 | 5.1 | |
| NUMBER OF DAYS | | | | | | SEASON TO DATE | | SNOW, ICE PELLETS ≥ 1.0 INCH | | GREATEST IN 24 HOURS AND DATES | | | | GREATEST DEPTH ON GROUND OF SNOW, ICE PELLETS OR ICE AND DATE | | | | | | | |
| MAXIMUM TEMP. | | MINIMUM TEMP. | | TOTAL | | TOTAL | | THUNDERSTORMS | | PRECIPITATION | | SNOW, ICE PELLETS | | | | | | | | | |
| ≥ 90° | | ≤ 32° | | ≤ 32° | | ≤ 0° | | DEP. | | DEP. | | HEAVY FOG | | | | | | | | | |
| 0 | | 0 | | 0 | | 0 | | -26 | | 162 | | CLEAR 10 | | PARTLY CLOUDY 11 | | CLOUDY 10 | | | | | |

* 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 OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE NORTH CAROLINA

Kenneth D. Wadsworth
 DIRECTOR NATIONAL CLIMATIC DATA CENTER

OBSERVATIONS AT 3-HOUR INTERVALS

OCT 1989
WILMINGTON, DE 13781

| HOUR L. S. T. | OCT 1st | | | | OCT 2nd | | | | OCT 3rd | | | | OCT 4th | | | | OCT 5th | | | | OCT 6th | | | | OCT 7th | | | | OCT 8th | | | | OCT 9th | | | | OCT 10th | | | | OCT 11th | | | | OCT 12th | | | | OCT 13th | | | | OCT 14th | | | | OCT 15th | | | | OCT 16th | | | | OCT 17th | | | | OCT 18th | | | | | | | |
|---------------|--------------------|-----------------------------|-------------|------------|---------|--------|-------------|--------------|----------------|-----------|---------------|--------------------|-----------------------------|-------------|------------|---------|---------|-------------|--------------|----------------|-----------|---------------|--------------------|-----------------------------|-------------|------------|---------|--------|-------------|--------------|----------------|-----------|---------------|--------------------|-----------------------------|-------------|------------|---------|--------|-------------|--------------|----------------|-----------|---------------|--------------------|-----------------------------|-------------|------------|----------|--------|-------------|--------------|----------------|-----------|---------------|--------------------|-----------------------------|-------------|------------|---------|----------|-------------|--------------|----------------|-----------|---------------|--------------------|-----------------------------|-------------|------------|---------|--------|-------------|--------------|----------------|-----------|
| | SKY COVER (TENTHS) | CEILING IN HUNDREDS OF FEET | WHOLE MILES | 16THS MILE | WEATHER | AIR OF | NET BULB OF | DEW POINT OF | REL HUMIDITY % | DIRECTION | SPEED (KNOTS) | SKY COVER (TENTHS) | CEILING IN HUNDREDS OF FEET | WHOLE MILES | 16THS MILE | WEATHER | AIR OF | NET BULB OF | DEW POINT OF | REL HUMIDITY % | DIRECTION | SPEED (KNOTS) | SKY COVER (TENTHS) | CEILING IN HUNDREDS OF FEET | WHOLE MILES | 16THS MILE | WEATHER | AIR OF | NET BULB OF | DEW POINT OF | REL HUMIDITY % | DIRECTION | SPEED (KNOTS) | SKY COVER (TENTHS) | CEILING IN HUNDREDS OF FEET | WHOLE MILES | 16THS MILE | WEATHER | AIR OF | NET BULB OF | DEW POINT OF | REL HUMIDITY % | DIRECTION | SPEED (KNOTS) | SKY COVER (TENTHS) | CEILING IN HUNDREDS OF FEET | WHOLE MILES | 16THS MILE | WEATHER | AIR OF | NET BULB OF | DEW POINT OF | REL HUMIDITY % | DIRECTION | SPEED (KNOTS) | SKY COVER (TENTHS) | CEILING IN HUNDREDS OF FEET | WHOLE MILES | 16THS MILE | WEATHER | AIR OF | NET BULB OF | DEW POINT OF | REL HUMIDITY % | DIRECTION | SPEED (KNOTS) | SKY COVER (TENTHS) | CEILING IN HUNDREDS OF FEET | WHOLE MILES | 16THS MILE | WEATHER | AIR OF | NET BULB OF | DEW POINT OF | REL HUMIDITY % | DIRECTION |

WEATHER CODES

- | | | | |
|---|--|---|---|
| <ul style="list-style-type: none"> * TORNADO T THUNDERSTORM Q SQUALL R RAIN RW RAIN SHOWERS ZR FREEZING RAIN L DRIZZLE | <ul style="list-style-type: none"> ZL FREEZING DRIZZLE S SNOW SW SNOW SHOWERS SG SNOW GRAINS SP SNOW PELLETS IC ICE CRYSTALS IP ICE PELLETS | <ul style="list-style-type: none"> IPW ICE PELLET SHOWERS A HAIL F FOG IF ICE FOG GF GROUND FOG BD BLOWING DUST | <ul style="list-style-type: none"> BN BLOWING SAND BS BLOWING SNOW BY BLOWING SPRAY K SMOKE H HAZE D DUST |
|---|--|---|---|

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).

OBSERVATIONS AT 3-HOUR INTERVALS

OCT 1989
WILMINGTON, DE

13781

| HOUR L.S.T. | SKY COVER (TENTHS) | | | VIST-BILITY | WEATHER | TEMPERATURE | | | | WIND | | SKY COVER (TENTHS) | | | VIST-BILITY | WEATHER | TEMPERATURE | | | | WIND | | | | | | | | | |
|-------------|-----------------------------|-------------|------------|-------------|---------|-------------|-------------|--------------|----------------|-----------|---------------|-----------------------------|-------------|------------|-------------|---------|-------------|-------------|--------------|----------------|-----------|---------------|----|------|----|----|----|-----|----|----|
| | CELLING IN HUNDREDS OF FEET | WHOLE MILES | 16THS MILE | | | AIR OF | WET BULB OF | DEN POINT OF | REL HUMIDITY % | DIRECTION | SPEED (KNOTS) | CELLING IN HUNDREDS OF FEET | WHOLE MILES | 16THS MILE | | | AIR OF | WET BULB OF | DEN POINT OF | REL HUMIDITY % | DIRECTION | SPEED (KNOTS) | | | | | | | | |
| OCT 19th | | | | | | OCT 20th | | | | | | OCT 21st | | | | | | | | | | | | | | | | | | |
| 01 | 10 | 9 | 6 | RF | 46 | 45 | 44 | 93 | 05 | 11 | 10 | 4 | 2 | LF | 56 | 55 | 55 | 97 | 05 | 14 | 10 | 60 | 15 | | 41 | 39 | 36 | 83 | 19 | 8 |
| 04 | 10 | 9 | 3 | RF | 46 | 45 | 44 | 93 | 06 | 16 | 10 | 1 | 0 | 8 LF | 57 | 56 | 56 | 97 | 05 | 9 | 10 | 75 | 15 | | 42 | 38 | 31 | 65 | 25 | 8 |
| 07 | 10 | 9 | 1 | 8 RF | 47 | 47 | 46 | 96 | 04 | 14 | 10 | 1 | 0 | 2 RF | 59 | 59 | 59 | 100 | 10 | 6 | 1 | UNL | 15 | | 40 | 37 | 33 | 76 | 18 | 6 |
| 10 | 10 | 9 | 1 | 8 RF | 50 | 49 | 48 | 93 | 05 | 18 | 10 | 8 | 4 | RF | 58 | 57 | 57 | 97 | 29 | 7 | 2 | UNL | 15 | | 48 | 41 | 32 | 54 | 23 | 14 |
| 13 | 10 | 7 | 2 | 8 RF | 52 | 51 | 50 | 93 | 06 | 21 | 10 | 8 | 8 | R | 56 | 55 | 54 | 93 | 23 | 7 | 6 | 47 | 15 | | 51 | 43 | 34 | 52 | 24 | 12 |
| 16 | 10 | 7 | 1 | 8 RLF | 53 | 53 | 52 | 96 | 07 | 14 | 10 | 31 | 8 | | 47 | 45 | 42 | 83 | 29 | 12 | 10 | 65 | 15 | | 51 | 43 | 34 | 52 | 23 | 5 |
| 19 | 10 | 7 | 3 | RLF | 54 | 54 | 53 | 96 | 06 | 16 | 10 | 15 | 15 | | 44 | 42 | 39 | 83 | 29 | 8 | 10 | 80 | 15 | | 51 | 43 | 34 | 52 | 24 | 4 |
| 22 | 10 | 6 | 5 | F | 55 | 55 | 54 | 97 | 06 | 16 | 2 | UNL | 15 | | 40 | 36 | 30 | 68 | 27 | 6 | 10 | 95 | 15 | | 49 | 43 | 35 | 59 | 24 | 8 |
| OCT 22nd | | | | | | OCT 23rd | | | | | | OCT 24th | | | | | | | | | | | | | | | | | | |
| 01 | 0 | UNL | 15 | | 44 | 39 | 32 | 63 | 28 | 8 | 4 | UNL | 15 | | 42 | 40 | 38 | 86 | 05 | 4 | 1 | UNL | 7 | | 42 | 41 | 40 | 93 | 34 | 3 |
| 04 | 5 | UNL | 15 | | 43 | 40 | 35 | 74 | 26 | 8 | 0 | UNL | 15 | | 38 | 37 | 36 | 93 | 31 | 3 | 0 | UNL | 5 | F | 40 | 39 | 38 | 93 | 00 | 0 |
| 07 | 7 | 75 | 15 | | 45 | 41 | 36 | 71 | 25 | 11 | 4 | UNL | 10 | | 37 | 37 | 36 | 96 | 33 | 4 | 8 | 250 | 0 | 1 F | 39 | 39 | 39 | 100 | 34 | 3 |
| 10 | 6 | 40 | 15 | | 53 | 46 | 37 | 55 | 30 | 16 | 7 | UNL | 15 | | 57 | 50 | 43 | 60 | 27 | 4 | 9 | UNL | 8 | | 59 | 52 | 46 | 62 | 00 | 0 |
| 13 | 3 | UNL | 15 | | 59 | 49 | 37 | 44 | 32 | 12 | 6 | UNL | 15 | | 65 | 51 | 37 | 36 | 35 | 3 | 8 | UNL | 10 | | 66 | 51 | 34 | 31 | 20 | 5 |
| 16 | 0 | UNL | 15 | | 61 | 49 | 36 | 40 | 29 | 12 | 3 | UNL | 15 | | 64 | 50 | 34 | 33 | 18 | 3 | 1 | UNL | 15 | | 66 | 52 | 38 | 36 | 16 | 4 |
| 19 | 0 | UNL | 15 | | 52 | 45 | 37 | 57 | 26 | 5 | 0 | UNL | 15 | | 54 | 50 | 46 | 75 | 18 | 6 | 0 | UNL | 12 | | 56 | 51 | 45 | 67 | 18 | 4 |
| 22 | 3 | UNL | 12 | | 45 | 39 | 30 | 56 | 31 | 8 | 3 | UNL | 10 | | 45 | 43 | 41 | 86 | 31 | 5 | 0 | UNL | 10 | | 46 | 44 | 42 | 86 | 32 | 4 |
| OCT 25th | | | | | | OCT 26th | | | | | | OCT 27th | | | | | | | | | | | | | | | | | | |
| 01 | 0 | UNL | 7 | | 42 | 41 | 39 | 89 | 33 | 4 | 2 | UNL | 7 | | 47 | 47 | 46 | 96 | 31 | 4 | 0 | UNL | 6 | F | 49 | 48 | 46 | 90 | 32 | 3 |
| 04 | 0 | UNL | 7 | | 39 | 38 | 37 | 93 | 33 | 4 | 0 | UNL | 3 | F | 47 | 46 | 45 | 93 | 00 | 0 | 0 | UNL | 6 | F | 50 | 48 | 45 | 83 | 35 | 4 |
| 07 | 4 | UNL | 7 | | 41 | 39 | 37 | 86 | 00 | 0 | 2 | UNL | 4 | F | 48 | 47 | 46 | 93 | 32 | 3 | 2 | UNL | 3 | F | 48 | 47 | 45 | 89 | 32 | 5 |
| 10 | 7 | UNL | 9 | | 66 | 55 | 44 | 45 | 05 | 4 | 1 | UNL | 6 | H | 67 | 60 | 54 | 63 | 33 | 4 | 4 | UNL | 5 | H | 67 | 59 | 53 | 61 | 34 | 6 |
| 13 | 7 | UNL | 10 | | 70 | 56 | 43 | 38 | 08 | 8 | 1 | UNL | 10 | | 74 | 59 | 46 | 37 | 35 | 5 | 2 | UNL | 8 | | 73 | 61 | 51 | 46 | 01 | 7 |
| 16 | 8 | 200 | 10 | | 65 | 57 | 50 | 59 | 27 | 4 | 1 | UNL | 10 | | 73 | 58 | 46 | 38 | 30 | 4 | 0 | UNL | 7 | | 73 | 61 | 52 | 48 | 34 | 7 |
| 19 | 9 | 200 | 8 | | 57 | 53 | 50 | 78 | 31 | 3 | 0 | UNL | 8 | | 60 | 54 | 48 | 65 | 30 | 4 | 0 | UNL | 7 | | 62 | 57 | 53 | 73 | 30 | 4 |
| 22 | 8 | 200 | 8 | | 54 | 51 | 49 | 83 | 00 | 0 | 2 | UNL | 7 | | 54 | 51 | 49 | 83 | 32 | 4 | 0 | UNL | 7 | | 56 | 54 | 52 | 87 | 32 | 5 |
| OCT 28th | | | | | | OCT 29th | | | | | | OCT 30th | | | | | | | | | | | | | | | | | | |
| 01 | 0 | UNL | 3 | F | 54 | 53 | 52 | 93 | 00 | 0 | 1 | UNL | 1 | F | 52 | 52 | 51 | 96 | 35 | 4 | 0 | UNL | 2 | F | 49 | 49 | 48 | 96 | 00 | 0 |
| 04 | 0 | UNL | 3 | F | 53 | 51 | 50 | 90 | 31 | 3 | 1 | UNL | 1 | F | 52 | 52 | 51 | 96 | 00 | 0 | 3 | UNL | 0 | 12 F | 48 | 48 | 48 | 100 | 00 | 0 |
| 07 | 6 | 65 | 2 | F | 53 | 52 | 51 | 93 | 32 | 4 | 7 | UNL | 0 | F | 51 | 51 | 50 | 96 | 00 | 0 | 10 | 1 | 0 | 2 F | 51 | 51 | 51 | 100 | 36 | 4 |
| 10 | 0 | UNL | 3 | H | 67 | 61 | 56 | 68 | 06 | 7 | 8 | 250 | 1 | 8 H | 61 | 59 | 57 | 87 | 14 | 3 | 7 | 41 | 1 | 8 F | 62 | 60 | 58 | 87 | 01 | 3 |
| 13 | 0 | UNL | 5 | H | 74 | 63 | 56 | 54 | 33 | 3 | 6 | UNL | 4 | H | 71 | 62 | 56 | 59 | 16 | 5 | 4 | UNL | 7 | | 72 | 63 | 57 | 59 | 10 | 5 |
| 16 | 0 | UNL | 5 | H | 74 | 63 | 55 | 52 | 07 | 4 | 1 | UNL | 6 | H | 68 | 60 | 53 | 59 | 18 | 6 | 9 | 95 | 7 | | 69 | 63 | 58 | 68 | 19 | 5 |
| 19 | 0 | UNL | 5 | H | 62 | 59 | 56 | 81 | 16 | 4 | 1 | UNL | 5 | H | 58 | 54 | 50 | 75 | 16 | 6 | 9 | 43 | 5 | H | 65 | 60 | 56 | 73 | 15 | 6 |
| 22 | 0 | UNL | 3 | FH | 58 | 57 | 56 | 93 | 18 | 4 | 0 | UNL | 4 | H | 50 | 49 | 48 | 93 | 34 | 3 | 7 | 7 | 3 | FH | 60 | 58 | 56 | 87 | 05 | 4 |
| OCT 31st | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01 | 10 | 1 | 0 | 2 F | 59 | 59 | 59 | 100 | 06 | 4 | | | | | | | | | | | | | | | | | | | | |
| 04 | 10 | 2 | 0 | 6 F | 60 | 60 | 60 | 100 | 06 | 6 | | | | | | | | | | | | | | | | | | | | |
| 07 | 10 | 2 | 0 | 12 RF | 61 | 61 | 61 | 100 | 07 | 8 | | | | | | | | | | | | | | | | | | | | |
| 10 | 10 | 22 | 1 | F | 63 | 62 | 62 | 97 | 06 | 8 | | | | | | | | | | | | | | | | | | | | |
| 13 | 10 | 15 | 5 | F | 68 | 66 | 64 | 87 | 09 | 6 | | | | | | | | | | | | | | | | | | | | |
| 16 | 10 | 11 | 10 | F | 67 | 64 | 62 | 84 | 05 | 9 | | | | | | | | | | | | | | | | | | | | |
| 19 | 10 | 23 | 7 | | 63 | 62 | 62 | 97 | 32 | 7 | | | | | | | | | | | | | | | | | | | | |
| 22 | 10 | 27 | 4 | RMF | 62 | 61 | 61 | 97 | 26 | 10 | | | | | | | | | | | | | | | | | | | | |

SUMMARY BY HOURS

| HOUR L.S.T. | SKY COVER (TENTHS) | STATION PRESSURE (INCHES) | AVERAGES | | | | RESULTANT WIND | | |
|-------------|--------------------|---------------------------|-------------|-------------|--------------|----------------|------------------|-----------|-------------|
| | | | TEMPERATURE | | | REL HUMIDITY % | WIND SPEED (MPH) | DIRECTION | SPEED (MPH) |
| | | | AIR TEMP OF | WET BULB OF | DEN POINT OF | | | | |
| 01 | 4 | 30.020 | 51 | 50 | 48 | 89 | 5.2 | 32 | 1.1 |
| 04 | 4 | 30.020 | 50 | 49 | 47 | 90 | 5.0 | 33 | 1.0 |
| 07 | 5 | 30.030 | 51 | 49 | 48 | 90 | 5.7 | 34 | 1.3 |
| 10 | 6 | 30.050 | 61 | 56 | 51 | 71 | 9.1 | 31 | 3.1 |
| 13 | 6 | 30.010 | 66 | 57 | 49 | 58 | 10.3 | 29 | 2.3 |
| 16 | 5 | 29.985 | 65 | 56 | 49 | 58 | 9.6 | 27 | 2.7 |
| 19 | 5 | 30.005 | 58 | 54 | 49 | 73 | 6.5 | 21 | 0.9 |
| 22 | 5 | 30.020 | 54 | 52 | 49 | 83 | 6.1 | 30 | 2.4 |

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

OCT 1989
WILMINGTON, DE

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 | 0.06 | 0.15 | 0.18 | 0.11 | 0.11 | 0.15 | 0.10 | T | | 0.04 | 0.12 | 0.20 | 0.02 | 0.01 | 0.01 | | | T | T | 0.01 | 0.04 | 0.01 | 0.02 | 0.04 | 02 |
| 03 | | | | | | | | | | | | | | | | | | | | 0.01 | | | | | 03 |
| 04 | | | | | | | | | | | | | | | | | | | | | | | | | 04 |
| 05 | | | | | | | | | | | | | | | | | | | | | | | | | 05 |
| 06 | | | | | | | | | | | | | | | | | | | | | | | | | 06 |
| 07 | T | 0.02 | 0.05 | | | T | 0.03 | 0.01 | 0.01 | T | | | | | | | | | | T | T | T | T | T | 07 |
| 08 | | | | | | | | | | | | | | | | | | | | | | | | | 08 |
| 09 | | | | | | | | | | | | | | | | | | | | | | | | | 09 |
| 10 | | | | | | | | | | | | | | | | | | | | | 0.05 | T | T | | 10 |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | 11 |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | 12 |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | 13 |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | 14 |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | 15 |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | 16 |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | 17 |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | | 18 |
| 19 | 0.03 | T | T | 0.10 | 0.12 | 0.07 | 0.11 | 0.02 | 0.01 | 0.04 | T | 0.03 | 0.03 | 0.07 | 0.01 | 0.01 | T | T | T | T | T | T | 0.02 | 0.07 | 19 |
| 20 | T | T | T | T | T | T | 0.01 | 0.08 | 0.15 | 0.16 | 0.21 | 0.10 | 0.01 | 0.01 | 0.01 | | 0.01 | 0.01 | 0.02 | T | T | 0.01 | T | T | 20 |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | | 21 |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | | 22 |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | 23 |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | | 24 |
| 25 | | | | | | | | | | | | | | | | | | | | | | | | | 25 |
| 26 | | | | | | | | | | | | | | | | | | | | | | | | | 26 |
| 27 | | | | | | | | | | | | | | | | | | | | | | | | | 27 |
| 28 | | | | | | | | | | | | | | | | | | | | | | | | | 28 |
| 29 | | | | | | | | | | | | | | | | | | | | | | | | | 29 |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | | 30 |
| 31 | | | | | 0.02 | | 0.01 | 0.04 | 0.04 | 0.16 | 0.01 | T | | | | | | | | | | 0.01 | 0.01 | | 31 |

MAXIMUM SHORT DURATION PRECIPITATION

| TIME PERIOD (MINUTES) | 5 | 10 | 15 | 20 | 30 | 45 | 60 | 80 | 100 | 120 | 150 | 180 |
|------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| PRECIPITATION (INCHES) | 0.08 | 0.15 | 0.15 | 0.15 | 0.16 | 0.25 | 0.27 | 0.30 | 0.35 | 0.41 | 0.47 | 0.55 |
| ENDED: DATE | 31 | 31 | 31 | 31 | 31 | 17 | 17 | 20 | 20 | 20 | 20 | 20 |
| ENDED: TIME | 0959 | 0959 | 0959 | 0959 | 0959 | 1104 | 1110 | 1038 | 1102 | 1105 | 1110 | 1120 |

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.

VALIDATED BY:
DON GRISINGER

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