

LOCAL CLIMATOLOGICAL DATA Monthly Summary



R. E. BYRD INTERNATIONAL AP.

LATITUDE 37° 30' N LONGITUDE 77° 20' W ELEVATION (GROUND) 164 FEET TIME ZONE EASTERN 13740

SEP 1987
 RICHMOND, VA

| 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 ELEV. 177 FEET ABOVE M. S. L. | 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) | RESULTANT DIR. | | RESULTANT SPEED | AVERAGE SPEED | PEAK GUST | | FASTEST 1-MIN | | MINUTES | PERCENT OF TOTAL POSSIBLE | SUNRISE TO SUNSET | MIDNIGHT TO MIDNIGHT | |
| | | | | | | | | | | | | | | | | SPEED | DIRECTION | SPEED | DIRECTION | | | | | |
| 01 | 83 | 63 | 73 | -1 | 59 | 0 | 8 | 1 | 8 | 0 | 0.00 | 0.0 | 29.820 | 34 | 0.8 | 7.4 | 21 | N | 15 | 01 | 696 | 89 | 8 | 6 |
| 02 | 85 | 58 | 72 | -2 | 59 | 0 | 7 | 1 | 8 | 0 | 0.00 | 0.0 | 29.870 | 19 | 3.5 | 7.1 | 22 | SW | 15 | 25 | 706 | 91 | 4 | 4 |
| 03 | 82 | 62 | 72 | -2 | 61 | 0 | 7 | 1 | 0 | 0 | 0.00 | 0.0 | 29.960 | 05 | 7.3 | 8.5 | 20 | NE | 14 | 06 | 654 | 84 | 6 | 7 |
| 04 | 80 | 62 | 71 | -3 | 57 | 0 | 6 | 1 | 0 | 0 | 0.00 | 0.0 | 30.085 | 06 | 9.7 | 10.3 | 24 | E | 15 | 06 | 573 | 74 | 10 | 9 |
| 05 | 72 | 62 | 67 | -7 | 65 | 0 | 2 | 1 | 0 | 0 | 1.09 | 0.0 | 30.025 | 05 | 9.5 | 9.9 | 18 | NE | 13 | 05 | 0 | 0 | 10 | 10 |
| 06 | 86 | 69 | 78 | 5 | 72 | 0 | 13 | 1 | 0 | 0 | 0.35 | 0.0 | 29.915 | 12 | 5.5 | 7.3 | 22 | SE | 14 | 13 | 427 | 56 | 10 | 10 |
| 07 | 86 | 71 | 79 | 6 | 71 | 0 | 14 | 1 | 0 | 0 | T | 0.0 | 29.825 | 10 | 8.6 | 9.1 | 22 | E | 15 | 09 | 390 | 51 | 9 | 10 |
| 08 | 85 | 73 | 79 | 6 | 73 | 0 | 14 | 1 | 0 | 0 | 0.08 | 0.0 | 29.620 | 15 | 3.5 | 10.6 | 31 | SE | 18 | 15 | 467 | 61 | 8 | 8 |
| 09 | 90* | 69 | 80* | 8 | 69 | 0 | 15 | 1 | 8 | 0 | 0.00 | 0.0 | 29.710 | 36 | 2.8 | 3.8 | 10 | N | 7 | 34 | 678 | 89 | 3 | 4 |
| 10 | 84 | 69 | 77 | 5 | 68 | 0 | 12 | 1 | 8 | 0 | T | 0.0 | 29.840 | 05 | 2.9 | 4.6 | 12 | E | 8 | 09 | 436 | 58 | 8 | 8 |
| 11 | 87 | 67 | 77 | 5 | 69 | 0 | 12 | 23 | 8 | 0 | 0.39 | 0.0 | 29.880 | 14 | 5.2 | 6.9 | 20 | SW | 13 | 23 | 269 | 36 | 7 | 8 |
| 12 | 85 | 71 | 78 | 6 | 72 | 0 | 13 | 13 | 8 | 0 | 0.48 | 0.0 | 29.830 | 18 | 7.6 | 8.6 | 26 | SW | 14 | 23 | 70 | 9 | 10 | 10 |
| 13 | 84 | 70 | 77 | 6 | 71 | 0 | 12 | 1 | 8 | 0 | 0.52 | 0.0 | 29.750 | 20 | 5.7 | 7.3 | 18 | S | 10 | 22 | 380 | 51 | 10 | 9 |
| 14 | 85 | 67 | 76 | 5 | 66 | 0 | 11 | 1 | 8 | 0 | 0.00 | 0.0 | 29.840 | 02 | 3.5 | 5.8 | 18 | NE | 14 | 02 | 576 | 77 | 6 | 5 |
| 15 | 87 | 64 | 76 | 5 | 65 | 0 | 11 | 1 | 8 | 0 | 0.00 | 0.0 | 29.880 | 22 | 6.3 | 7.6 | 18 | SW | 14 | 23 | 657 | 88 | 5 | 3 |
| 16 | 87 | 67 | 77 | 7 | 67 | 0 | 12 | 1 | 8 | 0 | 0.00 | 0.0 | 29.830 | 22 | 9.7 | 10.0 | 21 | SW | 15 | 23 | 417 | 56 | 10 | 8 |
| 17 | 88 | 69 | 79 | 9 | 70 | 0 | 14 | 1 | 8 | 0 | 0.00 | 0.0 | 29.670 | 21 | 8.7 | 10.6 | 25 | W | 16 | 13 | 434 | 58 | 7 | 6 |
| 18 | 86 | 68 | 77 | 7 | 65 | 0 | 12 | 1 | 8 | 0 | 0.00 | 0.0 | 29.550 | 27 | 7.5 | 9.2 | 22 | W | 16 | 29 | 442 | 60 | 5 | 4 |
| 19 | 79 | 65 | 72 | -3 | 65 | 0 | 7 | 1 | 8 | 0 | 0.26 | 0.0 | 29.695 | 05 | 6.3 | 7.1 | 17 | NE | 13 | 06 | 290 | 39 | 10 | 9 |
| 20 | 68 | 64 | 66 | -3 | 65 | 0 | 1 | 1 | 0 | 0 | 0.80 | 0.0 | 29.720 | 05 | 7.1 | 7.6 | 14 | E | 10 | 08 | 0 | 0 | 10 | 10 |
| 21 | 79 | 63 | 71 | 2 | 62 | 0 | 6 | 1 | 0 | 0 | 0.00 | 0.0 | 29.780 | 25 | 1.7 | 5.2 | 13 | S | 8 | 21 | 390 | 53 | 6 | 7 |
| 22 | 79 | 59 | 69 | 1 | 56 | 0 | 4 | 1 | 8 | 0 | 0.00 | 0.0 | 29.770 | 27 | 4.4 | 6.6 | 17 | NW | 12 | 27 | 511 | 70 | 6 | 5 |
| 23 | 74 | 55 | 65 | -3 | 52 | 0 | 0 | 0 | 0 | 0 | 0.00 | 0.0 | 29.760 | 30 | 6.1 | 7.5 | 24 | NW | 15 | 30 | 664 | 91 | 3 | 3 |
| 24 | 78 | 51 | 65 | -2 | 53 | 0 | 0 | 1 | 0 | 0 | 0.00 | 0.0 | 29.715 | 25 | 3.7 | 5.6 | 17 | NW | 13 | 27 | 726 | 100 | 1 | 1 |
| 25 | 72 | 52 | 62* | -5 | 50 | 3 | 0 | 1 | 0 | 0 | 0.00 | 0.0 | 29.800 | 35 | 6.4 | 7.3 | 23 | N | 15 | 33 | 705 | 98 | 3 | 2 |
| 26 | 77 | 48* | 63 | -4 | 53 | 2 | 0 | 1 | 0 | 0 | 0.00 | 0.0 | 29.960 | 22 | 3.1 | 4.3 | 20 | SW | 10 | 22 | 668 | 93 | 4 | 3 |
| 27 | 83 | 53 | 68 | 2 | 59 | 0 | 3 | 1 | 8 | 0 | 0.00 | 0.0 | 30.050 | 16 | 2.7 | 4.3 | 13 | S | 9 | 18 | 657 | 92 | 3 | 2 |
| 28 | 84 | 55 | 70 | 4 | 57 | 0 | 5 | 1 | 8 | 0 | 0.00 | 0.0 | 30.090 | 18 | 4.8 | 5.6 | 18 | SW | 13 | 18 | 678 | 95 | 1 | 1 |
| 29 | 82 | 56 | 69 | 4 | 59 | 0 | 4 | 1 | 8 | 0 | 0.00 | 0.0 | 29.870 | 17 | 6.2 | 6.5 | 21 | S | 13 | 18 | 693 | 97 | 3 | 3 |
| 30 | 73 | 61 | 67 | 2 | 60 | 0 | 2 | 1 | 8 | 0 | 0.46 | 0.0 | 29.520 | 27 | 5.0 | 9.8 | 36 | SW | 17 | 21 | 50 | 7 | 9 | 8 |
| SUM | SUM | | | | | TOTAL | TOTAL | NUMBER OF DAYS | | TOTAL | TOTAL | FOR THE MONTH: | | | | | TOTAL | % | SUM | SUM | | | | |
| 2450 | 1883 | | | | | 5 | 227 | PRECIPITATION | | 4.43 | 0.0 | 29.820 | 16 | 0.8 | 7.4 | 36 | SW | 18 | 15 | 14304 | FOR | 195 | 183 | |
| AVG. | AVG. | AVG. | DEP. | AVG. | DEP. | DEP. | DEP. | PRECIPITATION | | DEP. | | | | | | DATE: 30 | DATE: 8 | POSSIBLE | MONTH | AVG. | AVG. | | | |
| 81.7 | 62.8 | 72.3 | 2.1 | 62.9 | -19 | 47 | | ≥ .01 INCH. | | 9 | 0.91 | | | | | | | | | 22363 | 64 | 6.5 | 6.1 | |
| 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 | | | | | | | | | |
| MAXIMUM TEMP. | | | | | | MINIMUM TEMP. | | THUNDERSTORMS | | PRECIPITATION | | SNOW, ICE PELLETS | | | | | | | | | | | | |
| ≥ 90° | | ≤ 32° | | ≤ 32° | | ≤ 0° | | DEP. | | DEP. | | HEAVY FOG | | | | | | | | | | | | |
| 1 | | 0 | | 0 | | 0 | | -19 | | 321 | | CLEAR 7 | | PARTLY CLOUDY 10 | | CLOUDY 13 | | | | | | | | |

* 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



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

SEP 1987
RICHMOND, VA 13740

| HOUR L.S.T. | SKY COVER (TENTHS) | CEILING IN HUNDREDS OF FEET | VISI-BILITY | WHOLE MILES | 16THS MILE | WEATHER | TEMPERATURE | | | | | WIND | | SKY COVER (TENTHS) | CEILING IN HUNDREDS OF FEET | VISI-BILITY | WHOLE MILES | 16THS MILE | WEATHER | TEMPERATURE | | | | | WIND | | SKY COVER (TENTHS) | CEILING IN HUNDREDS OF FEET | VISI-BILITY | WHOLE MILES | 16THS MILE | WEATHER | TEMPERATURE | | | | | WIND | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|--------------------|-----------------------------|-------------|-------------|------------|---------|-------------|-------------|--------------|-----------------|-----------|---------------|--------|--------------------|-----------------------------|-------------|-------------|------------|---------|-------------|--------------|-----------------|-----------|---------------|--------|-------------|--------------------|-----------------------------|-------------|-------------|------------|---------|--------------|-----------------|-----------|---------------|--------|-------------|--------------|-----------------|-----------|---------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | AIR OF | WET BULB OF | DEW POINT OF | REL. HUMIDITY % | DIRECTION | SPEED (KNOTS) | AIR OF | | | | | | | WET BULB OF | DEW POINT OF | REL. HUMIDITY % | DIRECTION | SPEED (KNOTS) | AIR OF | WET BULB OF | | | | | | | DEW POINT OF | REL. HUMIDITY % | DIRECTION | SPEED (KNOTS) | AIR OF | WET BULB OF | DEW POINT OF | REL. HUMIDITY % | DIRECTION | SPEED (KNOTS) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SEP 1st | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | SEP 2nd | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | SEP 3rd | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01 | 8 | 250 | 7 | | | | 70 | 69 | 69 | 97 | 23 | 6 | 0 | UNL | 7 | | | 62 | 60 | 59 | 90 | 07 | 3 | 8 | UNL | 8 | | | 65 | 63 | 62 | 90 | 16 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04 | 8 | 19 | 2 | 8 | F | | 70 | 69 | 69 | 97 | 35 | 5 | 3 | UNL | 8 | | | 60 | 58 | 56 | 97 | 02 | 6 | 7 | UNL | 5 | F | 64 | 63 | 62 | 93 | 01 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07 | 10 | UNL | 6 | | | | 67 | 64 | 62 | 84 | 02 | 8 | 2 | UNL | 6 | | | 61 | 60 | 59 | 93 | 09 | 4 | 4 | UNL | 5 | F | 62 | 61 | 60 | 93 | 35 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 10 | UNL | 8 | | | | 75 | 64 | 56 | 52 | 04 | 10 | 1 | UNL | 6 | H | | 75 | 67 | 63 | 66 | 19 | 4 | 3 | UNL | 7 | | 74 | 65 | 60 | 62 | 05 | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 9 | UNL | 10 | | | | 81 | 64 | 53 | 38 | 17 | 6 | 6 | 65 | 8 | | | 84 | 64 | 51 | 32 | 18 | 10 | 9 | 65 | 7 | | 80 | 68 | 60 | 51 | 05 | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 7 | UNL | 10 | | | | 81 | 62 | 48 | 32 | 27 | 6 | 7 | UNL | 10 | | | 82 | 67 | 57 | 43 | 24 | 12 | 4 | UNL | 7 | | 81 | 67 | 59 | 47 | 08 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 2 | UNL | 15 | | | | 71 | 63 | 58 | 64 | 17 | 7 | 4 | UNL | 10 | | | 75 | 66 | 61 | 62 | 19 | 5 | 9 | UNL | 7 | | 74 | 65 | 60 | 62 | 08 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 0 | UNL | 15 | | | | 66 | 62 | 60 | 81 | 00 | 0 | 7 | UNL | 10 | | | 67 | 65 | 63 | 87 | 19 | 6 | 10 | UNL | 7 | | 68 | 65 | 63 | 84 | 09 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SEP 4th | | | | | | | | | | | SEP 5th | | | | | | | | | | | SEP 6th | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01 | 3 | UNL | 7 | | | | 64 | 63 | 62 | 93 | 04 | 6 | 10 | 38 | 10 | | | 67 | 61 | 56 | 68 | 04 | 8 | 10 | 8 | 5 | F | 69 | 69 | 69 | 100 | 06 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04 | 5 | UNL | 7 | | | | 63 | 62 | 61 | 93 | 06 | 5 | 10 | 30 | 3 | RF | | 62 | 61 | 61 | 97 | 02 | 9 | 10 | 28 | 5 | RWF | 69 | 69 | 69 | 100 | 06 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07 | 10 | UNL | 7 | | | | 64 | 62 | 60 | 87 | 05 | 7 | 10 | 17 | 2 | RF | | 62 | 62 | 62 | 100 | 03 | 8 | 10 | 12 | 5 | RWF | 70 | 70 | 70 | 100 | 07 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 10 | UNL | 7 | | | | 74 | 64 | 57 | 56 | 09 | 10 | 10 | 13 | 3 | RF | | 66 | 65 | 64 | 93 | 04 | 9 | 10 | 18 | 6 | F | 77 | 74 | 73 | 88 | 11 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 9 | UNL | 10 | | | | 78 | 63 | 53 | 42 | 06 | 12 | 10 | 15 | 3 | RF | | 71 | 70 | 69 | 93 | 06 | 10 | 9 | 25 | 7 | | 84 | 76 | 73 | 70 | 16 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 10 | 250 | 10 | | | | 76 | 63 | 53 | 45 | 08 | 12 | 10 | 12 | 1 | 8 | RF | | 71 | 70 | 69 | 93 | 05 | 10 | 10 | 23 | 8 | RW | 81 | 75 | 72 | 74 | 13 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 10 | 250 | 10 | | | | 69 | 60 | 54 | 59 | 08 | 9 | 10 | 45 | 5 | RF | | 69 | 68 | 68 | 97 | 06 | 10 | 10 | 100 | 6 | F | 75 | 74 | 73 | 94 | 15 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 10 | 45 | 10 | | | | 67 | 60 | 55 | 66 | 05 | 8 | 10 | 7 | 5 | RF | | 69 | 68 | 68 | 97 | 06 | 8 | 10 | 250 | 5 | F | 73 | 73 | 73 | 100 | 12 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SEP 7th | | | | | | | | | | | SEP 8th | | | | | | | | | | | SEP 9th | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01 | 10 | 250 | 5 | | | F | 72 | 72 | 72 | 100 | 13 | 3 | 10 | 13 | 8 | | | 74 | 73 | 73 | 97 | 09 | 8 | 2 | UNL | 10 | | 72 | 71 | 71 | 97 | 02 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04 | 8 | 250 | 5 | | | F | 71 | 71 | 71 | 100 | 08 | 4 | 10 | 15 | 7 | | | 74 | 73 | 73 | 97 | 11 | 9 | 0 | UNL | 10 | | 70 | 69 | 69 | 97 | 34 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07 | 10 | 250 | 5 | | | F | 71 | 71 | 71 | 100 | 09 | 4 | 10 | 6 | 7 | | | 76 | 75 | 74 | 94 | 09 | 13 | 1 | UNL | 7 | | 72 | 71 | 70 | 94 | 31 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 10 | 100 | 6 | | | F | 78 | 75 | 74 | 88 | 13 | 7 | 10 | 9 | 2 | RF | | 77 | 76 | 75 | 94 | 15 | 16 | 4 | UNL | 7 | | 83 | 74 | 69 | 63 | 36 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 8 | 40 | 8 | | | | 84 | 75 | 71 | 65 | 09 | 9 | 8 | 15 | 8 | | | 83 | 77 | 74 | 74 | 20 | 12 | 4 | UNL | 7 | | 87 | 74 | 67 | 52 | 00 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 9 | 100 | 8 | | | | 84 | 73 | 69 | 65 | 09 | 12 | 8 | 20 | 10 | | | 82 | 75 | 71 | 69 | 30 | 8 | 2 | UNL | 7 | | 88 | 73 | 66 | 48 | 34 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 10 | 100 | 8 | | | | 77 | 73 | 71 | 82 | 11 | 11 | 5 | UNL | 10 | | | 78 | 74 | 72 | 82 | 25 | 4 | 7 | UNL | 6 | H | 80 | 73 | 69 | 69 | 02 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 10 | 100 | 8 | | | | 75 | 73 | 72 | 90 | 09 | 10 | 8 | 33 | 15 | | | 74 | 73 | 72 | 94 | 32 | 5 | 10 | UNL | 5 | H | 76 | 73 | 71 | 85 | 12 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SEP 10th | | | | | | | | | | | SEP 11th | | | | | | | | | | | SEP 12th | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01 | 10 | UNL | 5 | | | | 72 | 71 | 71 | 97 | 36 | 3 | 7 | UNL | 2 | FH | | 69 | 68 | 68 | 97 | 00 | 0 | 10 | UNL | 3 | F | 72 | 72 | 72 | 100 | 14 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04 | 4 | UNL | 2 | 8 | FH | | 70 | 69 | 69 | 97 | 34 | 6 | 8 | 35 | 1 | 8 | FH | | 69 | 68 | 68 | 97 | 01 | 4 | 10 | 2 | 8 | F | 73 | 73 | 73 | 100 | 19 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07 | 10 | 120 | 1 | 8 | FH | | 70 | 68 | 67 | 90 | 36 | 5 | 9 | 250 | 0 | 12 | FH | | 69 | 68 | 68 | 97 | 00 | 0 | 10 | 8 | 1 | 8 | F | 74 | 73 | 73 | 97 | 13 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 10 | 100 | 1 | 8 | | | 76 | 71 | 69 | 79 | 07 | 5 | 5 | UNL | 2 | H | | 79 | 72 | 68 | 69 | 12 | 8 | 10 | 11 | 1 | 8 | FH | 78 | 75 | 73 | 85 | 17 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 4 | UNL | 2 | | | H | 84 | 75 | 71 | 59 | 05 | 6 | 10 | 250 | 5 | H | | 85 | 74 | 68 | 57 | 19 | 10 | 10 | 20 | 3 | H | 82 | 76 | 73 | 74 | 20 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 4 | UNL | 2 | | | H | 83 | 72 | 66 | 57 | 28 | 4 | 8 | 40 | 5 | H | | 84 | 75 | 70 | 63 | 13 | 8 | 10 | 25 | 0 | 8 | TRWF | 77 | 76 | 75 | 94 | 23 | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 10 | UNL | 2 | | | H | 77 | 72 | 69 | 76 | 12 | 4 | 8 | 250 | 5 | H | | 78 | 73 | 71 | 79 | 12 | 10 | 10 | 25 | 5 | 8 | RWF | 72 | 71 | 71 | 97 | 20 | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 10 | UNL | 2 | | | H | 72 | 70 | 69 | 90 | 36 | 4 | 7 | 30 | 6 | F | | 70 | 69 | 68 | 93 | 15 | 6 | 10 | 70 | 6 | F | 72 | 71 | 70 | 94 | 20 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SEP 13th | | | | | | | | | | | SEP 14th | | | | | | | | | | | SEP 15th | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01 | 10 | 5 | 5 | | | RF | 71 | 70 | 70 | 97 | 18 | 8 | 8 | UNL | 7 | | | 71 | 70 | 69 | 93 | 26 | 3 | 0 | UNL | 5 | H | 67 | 66 | 66 | 97 | 00 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04 | 10 | 6 | 6 | | | RF | 70 | 70 | 70 | 100 | 22 | 9 | 4 | UNL | 7 | | | 68 | 67 | 67 | 97 | 34 | 4 | 0 | UNL | 4 | FH | 64 | 63 | 63 | 97 | 16 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07 | 10 | 6 | 2 | | | RF | 71 | 70 | 70 | 97 | 20 | 6 | 5 | UNL | 7 | | | 69 | 68 | 67 | 93 | 01 | 4 | 3 | UNL | 3 | 8 | FH | 67 | 66 | 66 | 97 | 18 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 10 | 7 | 7 | | | | 74 | 72 | 71 | 90 | 20 | 6 | 8 | UNL | 7 | | | 79 | 71 | 66 | 65 | 02 | 12 | 3 | UNL | 3 | H | 81 | 72 | 68 | 65 | 22 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 8 | 25 | 7 | | | | 82 | 75 | 71 | 69 | 20 | 8 | 10 | UNL | 6 | H | | 83 | 72 | 66 | 57 | 04 | 8 | 9 | UNL | 6 | H | 84 | 71 | 64 | 51 | 27 | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 10 | UNL | 7 | | | | 82 | 75 | 72 | 12 | 17 | 7 | 6 | UNL | 6 | H | | 84 | 70 | 63 | 49 | 06 | 4 | 7 | 250 | 6 | H | 85 | 71 | 64 | 50 | 23 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 10 | UNL | 7 | | | | 76 | 74 | 73 | 91 | 14 | 4 | 1 | UNL | 7 | | | 75 | 70 | 68 | 79 | 13 | 3 | 1 | UNL | 7 | | 74 | 68 | 65 | 74 | 21 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 3 | UNL | 7 | | | | 72 | 71 | 71 | 97 | 14 | 4 | 0 | UNL | 6 | H | | 69 | 67 | 66 | 90 | 18 | 5 | 0 | UNL | 7 | | 68 | 66 | 64 | 87 | 20 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SEP 16th | | | | | | | | | | | SEP 17th | | | | | | | | | | | SEP 18th | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01 | 4 | UNL | 6 | | | H | 67 | 65 | 64 | 90 | 19 | 7 | 6 | UNL | 6 | H | | 72 | 69 | 67 | 84 | 21 | 9 | 2 | UNL | 6 | H | 73 | 70 | 69 | 87 | 21 | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04 | 2 | UNL | 6 | | | H | 68 | 66 | 64 | 87 | 21 | 6 | 6 | UNL | 6 | H | | 71 | 69 | 68 | 90 | 22 | 7 | 2 | UNL | 5 | H | 71 | 69 | 68 | 90 | 19 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 07 | 10 | 140 | 6 | | | H | 70 | 68 | 67 | 90 | 20 | 6 | 10 | 100 | 5 | H | | 71 | 70 | 69 | 93 | 20 | 6 | 4 | UNL | 4 | FH | 72 | 69 | 68 | 87 | 24 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 10 | UNL | 6 | | | H | 79 | 72 | 69 | 72 | 23 | 12 | 4 | UNL | 5 | H | | 80 | 74 | 71 | 74 | 25 | 13 | 10 | 90 | 7 | | 81 | 69 | 63 | 54 | 29 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 10 | UNL | 6 | | | H | 85 | 74 | 69 | 59 | 25 | 11 | 8 | 100 | 6 | H | | 87 | 75 | 70 | 57 | 23 | 12 | 5 | UNL | 7 | | 85 | 71 | 63 | 48 | 28 | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 10 | UNL | 6 | | | H | 84 | 73 | 67 | 57 | 21 | 11 | 8 | UNL | 6 | H | | 84 | 74 | 70 | 63 | 13 | 14 | 2 | UNL | 10 | | 86 | 70 | 62 | 45 | 27 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 10 | 120 | 6 | | | H | 76 | 70 | 67 | 74 | 20 | 8 | 8 | UNL | 7 | | | 75 | 72 | 71 | 87 | 18 | 6 | 7 | 120 | 10 | | 81 | 68 | 61 | 51 | 28 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 8 | UNL | 6 | | | H | 72 | 69 | 68 | 87 | 20 | 6 | 5 | UNL | 7 | | | 72 | 71 | 70 | 94 | 20 | 7 | 2 | UNL | 10 | | 75 | 67 | 63 | 66 | 31 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

WEATHER CODES

- * TORNAADO
- T THUNDERSTORM
- Q SQUALL
- R RAIN
- RW RAIN SHOWERS
- ZR FREEZING RAIN
- L DRIZZLE
- ZL FREEZING DRIZZLE
- S SNOW
- SW SNOW SHOWERS
- SG SNOW GRAINS
- SP SNOW PELLETS
- IC ICE CRYSTALS
- IP ICE PELLETS
- IPW ICE PELLET SHOWERS
- A HAIL
- F FOG
- IF ICE FOG
- GF GROUND FOG
- BD BLOWING DUST
- 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.

OBSERVATIONS AT 3-HOUR INTERVALS

SEP 1987
RICHMOND, VA

13740

| HOUR L.S.T. | VISI-BILITY | | | | WEATHER | TEMPERATURE | | | | WIND | | SKY COVER (TENTHS) | VISI-BILITY | | | | WEATHER | TEMPERATURE | | | | WIND | | | | | | | | | |
|-------------|--------------------|-----------------------------|-------------|------------|---------|-------------|-------------|--------------|----------------|-----------|---------------|--------------------|-----------------------------|-------------|------------|--------|---------|-------------|--------------|----------------|-----------|---------------|--------------------|-----------------------------|-------------|------------|--------|-------------|--------------|----------------|-----------|
| | SKY COVER (TENTHS) | CELLING IN HUNDREDS OF FEET | WHOLE MILES | 16THS MILE | | AIR of | WET BULB of | DEW POINT of | REL HUMIDITY % | DIRECTION | SPEED (KNOTS) | | CELLING IN HUNDREDS OF FEET | WHOLE MILES | 16THS MILE | AIR of | | WET BULB of | DEW POINT of | REL HUMIDITY % | DIRECTION | SPEED (KNOTS) | SKY COVER (TENTHS) | CELLING IN HUNDREDS OF FEET | WHOLE MILES | 16THS MILE | AIR of | WET BULB of | DEW POINT of | REL HUMIDITY % | DIRECTION |
| SEP 19th | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01 | 6 | 90 | 7 | | | 71 | 68 | 66 | 84 | 27 | 4 | 10 | 2 | 4 | RF | 65 | 65 | 65 | 100 | 06 | 7 | 10 | 4 | 4 | F | 63 | 63 | 63 | 100 | 35 | 5 |
| 04 | 6 | 80 | 7 | | | 66 | 65 | 64 | 93 | 33 | 3 | 10 | 2 | 4 | RF | 66 | 65 | 65 | 97 | 04 | 6 | 8 | 19 | 4 | F | 63 | 62 | 62 | 97 | 36 | 5 |
| 07 | 10 | 80 | 6 | | H | 67 | 65 | 63 | 87 | 02 | 5 | 10 | 3 | 2 | RF | 65 | 65 | 65 | 100 | 05 | 5 | 10 | 19 | 4 | F | 64 | 63 | 62 | 93 | 00 | 0 |
| 10 | 10 | 90 | 5 | | H | 72 | 69 | 67 | 84 | 06 | 7 | 10 | 5 | 6 | LF | 66 | 65 | 65 | 97 | 07 | 6 | 8 | 25 | 6 | F | 71 | 66 | 63 | 76 | 22 | 5 |
| 13 | 10 | 90 | 6 | | H | 78 | 70 | 65 | 64 | 08 | 8 | 10 | 5 | 2 | LF | 67 | 66 | 66 | 97 | 09 | 7 | 5 | UNL | 7 | | 74 | 66 | 61 | 64 | 27 | 6 |
| 16 | 8 | 80 | 7 | | | 75 | 69 | 65 | 71 | 07 | 8 | 10 | 5 | 2 | LF | 66 | 65 | 65 | 97 | 06 | 6 | 3 | UNL | 10 | | 78 | 67 | 60 | 54 | 20 | 4 |
| 19 | 10 | 35 | 7 | | RW | 68 | 66 | 65 | 90 | 05 | 10 | 10 | 5 | 2 | RF | 65 | 65 | 65 | 100 | 04 | 8 | 4 | UNL | 10 | | 68 | 64 | 62 | 81 | 20 | 4 |
| 22 | 10 | 45 | 4 | | RWF | 66 | 65 | 65 | 97 | 06 | 6 | 10 | 6 | 4 | F | 64 | 63 | 63 | 97 | 03 | 7 | 7 | UNL | 100 | | 63 | 62 | 61 | 93 | 15 | 3 |
| SEP 20th | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SEP 21st | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SEP 22nd | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SEP 23rd | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SEP 24th | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SEP 25th | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SEP 26th | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SEP 27th | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SEP 28th | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SEP 29th | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SEP 30th | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

SUMMARY BY HOURS

| HOUR L.S.T. | SKY COVER (TENTHS) | AVERAGES | | | | | | RESULTANT WIND | |
|-------------|--------------------|---------------------------|-------------|-------------|--------------|----------------|------------------|----------------|-------------|
| | | STATION PRESSURE (INCHES) | TEMPERATURE | | | REL HUMIDITY % | WIND SPEED (MPH) | DIRECTION | SPEED (MPH) |
| | | | AIR TEMP of | WET BULB of | DEW POINT of | | | | |
| 01 | 6 | 29.830 | 66 | 64 | 63 | 92 | 5.1 | 17 | 1.2 |
| 04 | 5 | 29.810 | 65 | 64 | 63 | 95 | 6.0 | 33 | 0.4 |
| 07 | 7 | 29.840 | 65 | 64 | 63 | 93 | 5.9 | 03 | 0.9 |
| 10 | 6 | 29.860 | 74 | 68 | 64 | 72 | 9.6 | 16 | 0.8 |
| 13 | 7 | 29.820 | 80 | 69 | 62 | 57 | 9.8 | 22 | 1.4 |
| 16 | 6 | 29.790 | 79 | 68 | 62 | 57 | 10.0 | 20 | 1.4 |
| 19 | 6 | 29.800 | 72 | 66 | 63 | 75 | 7.0 | 13 | 2.6 |
| 22 | 5 | 29.825 | 67 | 65 | 63 | 87 | 6.0 | 13 | 2.0 |

HOURLY PRECIPITATION (WATER EQUIVALENT IN INCHES)

SEP 1987
RICHMOND, VA

13740

| 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 | | | | | | | | | | | | | | | | | | | | | | | | | 04 | |
| 05 | | 0.04 | 0.06 | 0.20 | 0.18 | 0.17 | 0.12 | 0.03 | T | T | T | T | 0.01 | 0.01 | T | 0.05 | 0.11 | 0.07 | T | 0.04 | T | T | T | T | 05 | |
| 06 | | | | 0.10 | 0.25 | T | T | T | T | T | T | | | | T | T | T | | | | | | | | 06 | |
| 07 | | | | | | | | | | | | | | | | | | | | | | T | T | | 07 | |
| 08 | | | | | | | | | | | | | 0.05 | 0.02 | T | | | | | | T | 0.01 | | | 08 | |
| 09 | | | | | | | | | | | | | | | | | | | | | | | | | 09 | |
| 10 | | | | | | | | | T | | | | | | | | | | | | | | | | 10 | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | 11 | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | 12 | |
| 13 | 0.01 | T | 0.01 | T | T | 0.02 | 0.08 | 0.35 | 0.05 | T | | | | | T | 0.24 | 0.13 | 0.01 | 0.04 | 0.02 | | 0.20 | 0.19 | 0.02 | 0.02 | 13 |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | | 14 |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | | 15 |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | | 16 |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | | 17 |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | | | 18 |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | | 19 |
| 20 | 0.05 | 0.07 | 0.11 | 0.09 | 0.06 | 0.03 | 0.07 | 0.22 | 0.03 | 0.01 | T | T | T | T | 0.04 | 0.01 | T | T | 0.04 | 0.06 | 0.13 | 0.02 | T | 0.01 | 20 | |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | | | 21 |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | | | 22 |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | | 23 |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | | | 24 |
| 25 | | | | | | | | | | | | | | | | | | | | | | | | | | 25 |
| 26 | | | | | | | | | | | | | | | | | | | | | | | | | | 26 |
| 27 | | | | | | | | | | | | | | | | | | | | | | | | | | 27 |
| 28 | | | | | | | | | | | | | | | | | | | | | | | | | | 28 |
| 29 | | | | | | | | | | | | | | | | | | | | | | | | | | 29 |
| 30 | | | | T | 0.26 | 0.10 | 0.09 | T | T | 0.01 | | | | | | | | | | | | | | | | 30 |

MAXIMUM SHORT DURATION PRECIPITATION

| TIME PERIOD (MINUTES) | 5 | 10 | 15 | 20 | 30 | 45 | 60 | 80 | 100 | 120 | 150 | 180 |
|------------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| PRECIPITATION (INCHES) | 0.11 | 0.21 | 0.27 | 0.32 | 0.32 | 0.33 | 0.37 | 0.38 | 0.43 | 0.44 | 0.52 | 0.61 |
| ENDED: DATE | 12 | 12 | 12 | 12 | 12 | 13 | 13 | 13 | 13 | 13 | 05 | 05 |
| ENDED: TIME | 1604 | 1604 | 1604 | 1604 | 1604 | 0738 | 0738 | 0818 | 0818 | 0834 | 0541 | 0545 |

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 HOWELL

SUBSCRIPTION PRICE AND ORDERING INFORMATION AVAILABLE FROM:
THE NATIONAL CLIMATIC DATA CENTER, FEDERAL BUILDING
ASHEVILLE, NORTH CAROLINA 28801
ATTN: PUBLICATIONS

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NATIONAL CLIMATIC DATA CENTER
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U.S. DEPARTMENT OF COMMERCE

COM 210



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