

1999

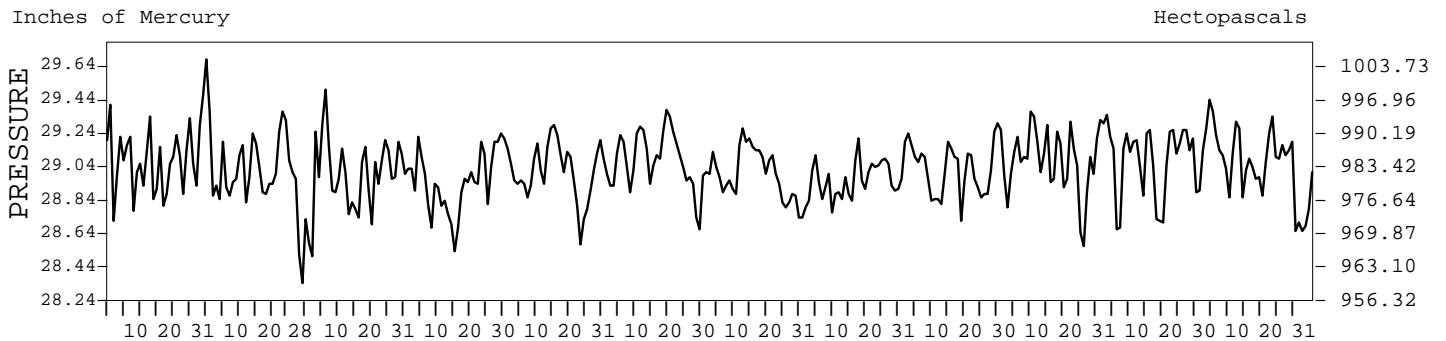
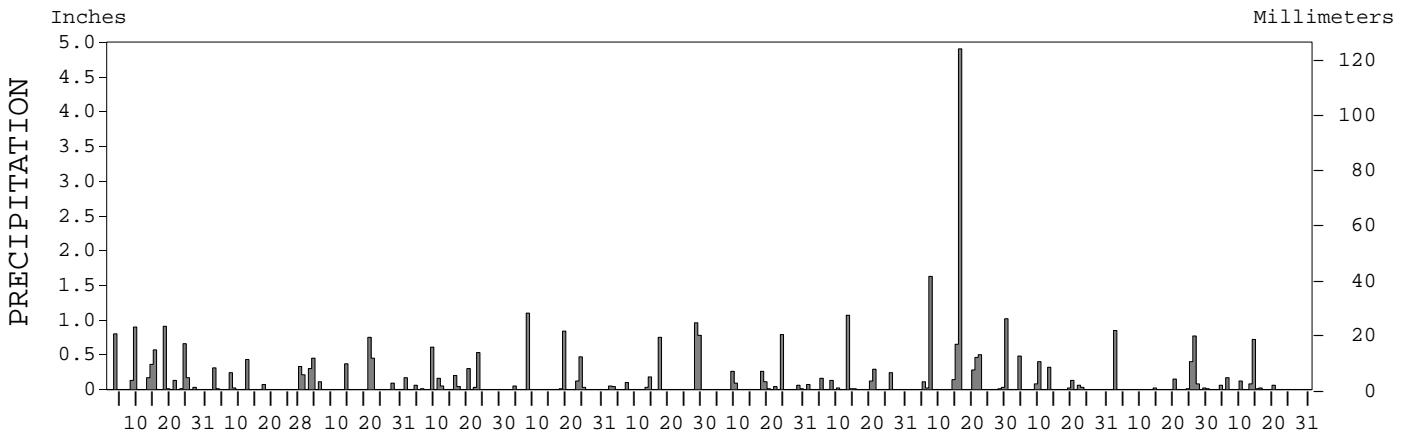
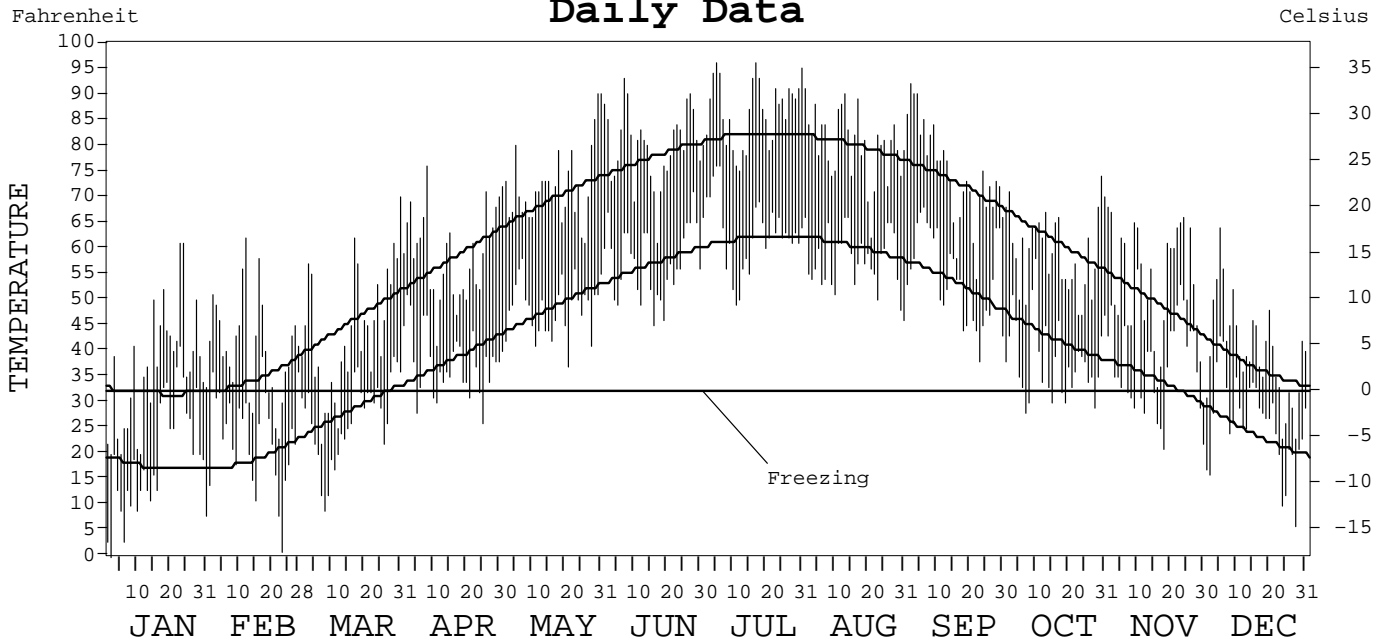
LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA



AVOCA, WILKES-BARRE - SCRANTON
PENNSYLVANIA (AVP)

ISSN 0198-4470

Daily Data



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Thomas R. Karl

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| NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION | NATIONAL ENVIRONMENTAL AND INFORMATION SERVICE | NATIONAL SATellite, DATA, CLIMATIC DATA CENTER ASHEVILLE, NORTH CAROLINA | DIRECTOR NATIONAL CLIMATIC DATA CENTER |
|---|---|---|---|

METEOROLOGICAL DATA FOR 1999

AVOCA, PA (AVP)

LATITUDE: 41° 20' 20" N LONGITUDE: 75° 43' 36" W ELEVATION (FT): GRND: 956 BARO: 956 TIME ZONE: EASTERN (UTC + 5) WBAN: 14777

| | ELEMENT | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR | |
|----------------------|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-----------|----|
| TEMPERATURE °F | MEAN DAILY MAXIMUM | 36.5 | 40.6 | 44.0 | 58.6 | 72.3 | 79.9 | 86.5 | 80.1 | 74.5 | 59.5 | 53.1 | 40.0 | 60.5 | |
| | HIGHEST DAILY MAXIMUM | 61 | 62 | 70 | 76 | 90 | 93 | 96 | 91 | 92 | 74 | 68 | 64 | 96 | |
| | DATE OF OCCURRENCE | 24+ | 12 | 31 | 08 | 31+ | 07 | 17+ | 01 | 02 | 30 | 01 | 05 | JUL 17+ | |
| | MEAN DAILY MINIMUM | 19.3 | 23.2 | 26.9 | 37.6 | 48.1 | 57.1 | 62.9 | 57.7 | 54.4 | 38.4 | 37.5 | 26.1 | 40.8 | |
| | LOWEST DAILY MINIMUM | 0 | 1 | 9 | 26 | 37 | 45 | 49 | 46 | 38 | 28 | 21 | 6 | 0 | |
| | DATE OF OCCURRENCE | 02 | 23 | 08 | 25 | 21 | 16 | 11 | 31 | 23 | 07 | 18 | 28 | JAN 02 | |
| | AVERAGE DRY BULB | 27.9 | 31.9 | 35.5 | 48.1 | 60.2 | 68.5 | 74.7 | 68.9 | 64.5 | 49.0 | 45.3 | 33.1 | 50.6 | |
| | MEAN WET BULB | | | | 42.8 | | | 66.7 | 61.4 | 58.4 | 45.2 | 40.6 | 29.6 | | |
| | MEAN DEW POINT | | | | 35.4 | | | 62.1 | 56.0 | 54.2 | 40.3 | 33.7 | 22.8 | | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | MAXIMUM ≥ 90° | 0 | 0 | 0 | 0 | 2 | 3 | 11 | 2 | 3 | 0 | 0 | 0 | 0 | 21 |
| | MAXIMUM ≤ 32° | 10 | 6 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 29 | |
| MINIMUM ≤ 32° | 25 | 25 | 24 | 6 | 0 | 0 | 0 | 0 | 0 | 6 | 11 | 23 | 120 | | |
| MINIMUM ≤ 0° | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | |
| H/C | HEATING DEGREE DAYS | 1143 | 919 | 910 | 500 | 159 | 32 | 4 | 18 | 104 | 491 | 586 | 982 | 5848 | |
| | COOLING DEGREE DAYS | 0 | 0 | 0 | 0 | 19 | 145 | 312 | 146 | 95 | 0 | 0 | 0 | 717 | |
| RH | MEAN (PERCENT) | 72 | 66 | 65 | 64 | 72 | 67 | 68 | 67 | 73 | 73 | 66 | 67 | 68 | |
| | HOUR 01 LST | 77 | 68 | 70 | 67 | 78 | 79 | 82 | 80 | 83 | 84 | 71 | 70 | 76 | |
| | HOUR 07 LST | 80 | 72 | 71 | 72 | 75 | 78 | 81 | 82 | 88 | 89 | 76 | 74 | 78 | |
| | HOUR 13 LST | 69 | 58 | 60 | 58 | 63 | 50 | 49 | 52 | 56 | 56 | 57 | 58 | 57 | |
| | HOUR 19 LST | 71 | 63 | 61 | 59 | 64 | 64 | 59 | 56 | 71 | 67 | 64 | 63 | 64 | |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | |
| W/O | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG (VISBY ≤ 1/4 MI) | 2 | 6 | 2 | 1 | 1 | 0 | 2 | 0 | 1 | 2 | 1 | 0 | 18 | |
| | THUNDERSTORMS | 1 | 0 | 0 | 1 | 1 | 1 | 4 | 2 | 0 | 1 | 0 | 0 | 11 | |
| CLOUDINESS | SUNRISE-SUNSET: (OKTAS) | | | | | | | | | | | | | | |
| | CEILOMETER (≤ 12,000 FT.) | | | | | | | | | | | | | | |
| | SATELLITE (> 12,000 FT.) | | | | | | | | | | | | | | |
| | MIDNIGHT-MIDNIGHT: (OKTAS) | | | | | | | | | | | | | | |
| | CEILOMETER (≤ 12,000 FT.) | | | | | | | | | | | | | | |
| | SATELLITE (> 12,000 FT.) | | | | | | | | | | | | | | |
| NUMBER OF DAYS WITH: | | | | | | | | | | | | | | | |
| CLEAR | | | | | | | | | | | | | | | |
| PARTLY CLOUDY | | | | | | | | | | | | | | | |
| CLOUDY | | | | | | | | | | | | | | | |
| PR | MEAN STATION PRESS. (IN.) | 29.09 | 29.01 | 28.95 | 28.94 | 29.01 | 29.07 | 28.98 | 28.97 | 29.01 | 29.10 | 29.07 | 29.03 | 29.02 | |
| | MEAN SEA-LEVEL PRESS. (IN.) | | 30.04 | 29.98 | 29.94 | | | 29.96 | 29.95 | 29.99 | 30.10 | 30.08 | 30.07 | | |
| WINDS | RESULTANT SPEED (MPH) | | 3.2 | 4.4 | 2.5 | 0.7 | 0.3 | 0.4 | 0.7 | 0.2 | 1.4 | 3.2 | 2.4 | | |
| | RES. DIR. (TENS OF DEGS.) | | 33 | 31 | 32 | 31 | 18 | 12 | 34 | 24 | 26 | 27 | 27 | | |
| | MEAN SPEED (MPH) | 7.4 | 7.0 | 9.6 | 7.9 | 6.5 | 5.8 | 6.1 | 6.1 | 6.2 | 6.3 | 8.0 | 6.6 | 7.0 | |
| | PREVAIL. DIR. (TENS OF DEGS.) | 23 | 36 | 36 | 36 | 10 | 10 | 10 | 10 | 10 | 22 | 22 | 22 | 22 | |
| | MAXIMUM 2-MINUTE WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 36 | 26 | 34 | 33 | 29 | 30 | 26 | 31 | 28 | 29 | 33 | 32 | 36 | |
| | DIR. (TENS OF DEGS.) | 23 | 33 | 26 | 25 | 26 | 28 | 31 | 26 | 20 | 01 | 15 | 32 | 23 | |
| | DATE OF OCCURRENCE | 18 | 05 | 18 | 16 | 25+ | 07 | 25+ | 13 | 30 | 18 | 02 | 11 | JAN 18 | |
| | MAXIMUM 5-SECOND WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 49 | 33 | 46 | 41 | 38 | 39 | 36 | 41 | 39 | 43 | 51 | 43 | 51 | |
| DIR. (TENS OF DEGS.) | 13 | 36 | 14 | 25 | 26 | 28 | 26 | 25 | 35 | 01 | 15 | 32 | 15 | | |
| DATE OF OCCURRENCE | 03 | 05 | 03 | 16 | 25 | 07 | 09 | 13 | 16 | 18 | 02 | 11 | NOV 02 | | |
| PRECIPITATION | WATER EQUIVALENT: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 4.85 | 1.41 | 2.73 | 2.16 | 2.62 | 2.89 | 1.63 | 2.12 | 9.76 | 1.52 | 2.31 | 1.24 | 35.24 | |
| | GREATEST 24-HOUR (IN.) | 0.98 | 0.43 | 1.20 | 0.61 | 1.10 | 0.96 | 0.79 | 1.08 | 4.97 | 0.48 | 0.85 | 0.73 | 4.97 | |
| | DATE OF OCCURRENCE | 08-09 | 12-13 | 21-22 | 09 | 08 | 28 | 24 | 13-14 | 15-16 | 04 | 02 | 14-15 | SEP 15-16 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | PRECIPITATION ≥ 0.01 | 13 | 7 | 8 | 11 | 7 | 8 | 9 | 10 | 12 | 8 | 9 | 8 | 110 | |
| PRECIPITATION ≥ 0.10 | 10 | 4 | 7 | 6 | 4 | 5 | 4 | 6 | 9 | 4 | 4 | 3 | 66 | | |
| PRECIPITATION ≥ 1.00 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 3 | 0 | 0 | 0 | 5 | | |
| SNOWFALL | SNOW, ICE PELLETS, HAIL: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | | | | | | | | | | | | | | |
| | GREATEST 24-HOUR (IN.) | | | | | | | | | | | | | | |
| | DATE OF OCCURRENCE | | | | | | | | | | | | | | |
| | MAXIMUM SNOW DEPTH (IN.) | | | | | | | | | | | | | | |
| | DATE OF OCCURRENCE | | | | | | | | | | | | | | |
| NUMBER OF DAYS WITH: | | | | | | | | | | | | | | | |
| SNOWFALL ≥ 1.0 | | | | | | | | | | | | | | | |

NORMALS, MEANS, AND EXTREMES

AVOCA, PA (AVP)

LATITUDE: 41° 20' 20" N LONGITUDE: 75° 43' 36" W ELEVATION (FT): GRND: 956 BARO: 956 TIME ZONE: EASTERN (UTC + 5) WBAN: 14777

| ELEMENT | | POR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR |
|----------------------|-----------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------|
| TEMPERATURE °F | NORMAL DAILY MAXIMUM | 30 | 31.8 | 34.5 | 45.5 | 57.8 | 69.3 | 77.5 | 81.8 | 79.7 | 72.4 | 61.0 | 48.8 | 36.6 | 58.1 |
| | MEAN DAILY MAXIMUM | 50 | 33.3 | 35.7 | 44.8 | 58.2 | 69.6 | 78.0 | 82.4 | 80.2 | 72.2 | 61.6 | 48.5 | 37.1 | 58.5 |
| | HIGHEST DAILY MAXIMUM | 44 | 67 | 71 | 85 | 92 | 93 | 97 | 101 | 95 | 95 | 84 | 80 | 69 | 101 |
| | YEAR OF OCCURRENCE | | 1967 | 1985 | 1998 | 1976 | 1962 | 1964 | 1988 | 1995 | 1983 | 1959 | 1982 | 1998 | JUL 1988 |
| | MEAN OF EXTREME MAXS. | 50 | 54.3 | 55.2 | 68.1 | 80.2 | 86.1 | 90.3 | 92.3 | 89.8 | 86.5 | 78.2 | 68.1 | 56.9 | 75.5 |
| | NORMAL DAILY MINIMUM | 30 | 17.5 | 19.0 | 28.3 | 38.1 | 48.3 | 56.8 | 61.6 | 60.0 | 52.8 | 42.1 | 33.9 | 23.4 | 40.1 |
| | MEAN DAILY MINIMUM | 50 | 18.7 | 20.1 | 27.8 | 38.2 | 48.0 | 56.8 | 61.6 | 59.9 | 52.5 | 41.9 | 33.3 | 23.5 | 40.2 |
| | LOWEST DAILY MINIMUM | 44 | -21 | -16 | -4 | 14 | 27 | 34 | 43 | 38 | 30 | 19 | 9 | -9 | -21 |
| | YEAR OF OCCURRENCE | | 1994 | 1979 | 1967 | 1982 | 1974 | 1972 | 1979 | 1982 | 1974 | 1972 | 1995 | 1989 | JAN 1994 |
| | MEAN OF EXTREME MINS. | 50 | -5 | 0.9 | 9.8 | 23.6 | 34.2 | 43.1 | 49.4 | 46.7 | 36.9 | 27.8 | 18.2 | 4.6 | 24.6 |
| | NORMAL DRY BULB | 30 | 24.7 | 26.8 | 36.9 | 48.0 | 58.8 | 67.2 | 71.7 | 69.9 | 62.6 | 51.5 | 41.4 | 30.0 | 49.1 |
| | MEAN DRY BULB | 50 | 26.0 | 27.9 | 36.2 | 48.1 | 58.7 | 67.4 | 72.0 | 70.0 | 62.3 | 51.7 | 40.9 | 30.3 | 49.3 |
| | MEAN WET BULB | 13 | 24.5 | 26.1 | 32.7 | 42.5 | 52.2 | 60.8 | 65.4 | 63.6 | 57.2 | 47.0 | 37.5 | 26.6 | 44.7 |
| | MEAN DEW POINT | 13 | 18.4 | 19.0 | 24.7 | 34.5 | 42.4 | 56.0 | 61.3 | 59.7 | 53.5 | 41.9 | 31.6 | 21.0 | 38.7 |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| MAXIMUM ≥ 90° | 30 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 1.4 | 3.3 | 1.7 | 0.5 | 0.0 | 0.0 | 0.0 | 7.2 | |
| MAXIMUM ≤ 32° | 30 | 15.7 | 11.7 | 3.4 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 10.3 | 42.7 | |
| MINIMUM ≤ 32° | 30 | 28.0 | 24.3 | 20.8 | 8.2 | 0.6 | 0.0 | 0.0 | 0.0 | * | 4.3 | 13.6 | 25.1 | 124.9 | |
| MINIMUM ≤ 0° | 30 | 2.3 | 1.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 4.1 | |
| H/C | NORMAL HEATING DEG. DAYS | 30 | 1249 | 1070 | 871 | 510 | 217 | 38 | 0 | 11 | 109 | 423 | 708 | 1085 | 6291 |
| | NORMAL COOLING DEG. DAYS | 30 | 0 | 0 | 0 | 0 | 25 | 104 | 210 | 163 | 37 | 0 | 0 | 0 | 539 |
| RH | NORMAL (PERCENT) | 30 | 70 | 68 | 63 | 60 | 65 | 70 | 71 | 74 | 75 | 72 | 72 | 72 | 69 |
| | HOUR 01 LST | 30 | 72 | 70 | 67 | 66 | 72 | 80 | 81 | 83 | 83 | 78 | 75 | 75 | 75 |
| | HOUR 07 LST | 30 | 75 | 74 | 73 | 72 | 77 | 83 | 84 | 87 | 88 | 84 | 79 | 77 | 79 |
| | HOUR 13 LST | 30 | 66 | 63 | 57 | 52 | 53 | 57 | 57 | 59 | 62 | 60 | 65 | 68 | 60 |
| | HOUR 19 LST | 30 | 67 | 63 | 58 | 53 | 56 | 61 | 62 | 66 | 70 | 66 | 68 | 70 | 63 |
| S | PERCENT POSSIBLE SUNSHINE | 41 | 41 | 47 | 50 | 53 | 57 | 61 | 62 | 61 | 55 | 52 | 36 | 34 | 51 |
| W/O | MEAN NO. DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG (VISBY ≤ 1/4 MI) | 44 | 1.9 | 2.1 | 1.9 | 1.4 | 1.1 | 1.1 | 1.6 | 1.8 | 2.7 | 2.0 | 1.7 | 2.2 | 21.5 |
| | THUNDERSTORMS | 44 | 0.1 | 0.2 | 0.8 | 2.0 | 3.4 | 5.7 | 6.3 | 4.7 | 2.4 | 1.0 | 0.4 | 0.2 | 27.2 |
| CLOUDINESS | MEAN: | | | | | | | | | | | | | | |
| | SUNRISE-SUNSET (OKTAS) | 41 | 6.0 | 5.8 | 5.7 | 5.4 | 5.4 | 5.0 | 4.8 | 4.8 | 4.8 | 4.8 | 5.9 | 6.0 | 5.4 |
| | MIDNIGHT-MIDNIGHT (OKTAS) | 32 | 5.7 | 5.4 | 5.4 | 5.0 | 5.0 | 4.6 | 4.5 | 4.4 | 4.6 | 4.6 | 5.7 | 5.9 | 5.1 |
| | MEAN NO. DAYS WITH: | | | | | | | | | | | | | | |
| | CLEAR | 42 | 4.3 | 4.5 | 5.6 | 6.2 | 6.0 | 6.8 | 6.1 | 7.1 | 7.0 | 8.2 | 3.8 | 3.7 | 69.3 |
| PARTLY CLOUDY | 42 | 7.1 | 7.0 | 7.7 | 7.5 | 9.5 | 10.9 | 12.5 | 11.3 | 9.4 | 8.2 | 6.7 | 6.5 | 104.3 | |
| CLOUDY | 42 | 19.6 | 16.7 | 17.7 | 16.3 | 15.5 | 12.3 | 11.7 | 11.8 | 13.0 | 13.9 | 18.7 | 19.9 | 187.1 | |
| PR | MEAN STATION PRESSURE (IN) | 26 | 29.00 | 29.00 | 29.00 | 29.00 | 29.00 | 28.99 | 29.00 | 29.10 | 29.09 | 29.10 | 29.09 | 29.10 | 29.04 |
| | MEAN SEA-LEVEL PRES. (IN) | 14 | 30.07 | 30.06 | 30.05 | 29.96 | 29.98 | 29.97 | 30.00 | 30.04 | 30.08 | 30.10 | 30.10 | 30.10 | 30.04 |
| WINDS | MEAN SPEED (MPH) | 38 | 8.9 | 8.9 | 9.5 | 9.3 | 8.3 | 7.8 | 7.2 | 6.9 | 7.2 | 7.5 | 8.3 | 8.4 | 8.2 |
| | PREVAIL. DIR (TENS OF DEGS) | 24 | 23 | 23 | 31 | 22 | 22 | 22 | 24 | 23 | 22 | 22 | 22 | 22 | 22 |
| | MAXIMUM 2-MINUTE: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 3 | 36 | 38 | 38 | 33 | 45 | 34 | 26 | 46 | 45 | 29 | 37 | 32 | 46 |
| | DIR. (TENS OF DEGS) | | 23 | 26 | 23 | 25 | 31 | 33 | 31 | 25 | 32 | 01 | 31 | 32 | 25 |
| | YEAR OF OCCURRENCE | | 1999 | 1997 | 1997 | 1999 | 1998 | 1997 | 1999 | 1997 | 1998 | 1999 | 1997 | 1999 | AUG 1997 |
| | MAXIMUM 5-SECOND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 3 | 49 | 46 | 53 | 43 | 55 | 43 | 36 | 55 | 51 | 43 | 51 | 43 | 55 |
| DIR. (TENS OF DEGS) | | 13 | 24 | 25 | 34 | 31 | 34 | 26 | 23 | 29 | 01 | 15 | 32 | 31 | |
| YEAR OF OCCURRENCE | | 1999 | 1997 | 1997 | 1997 | 1998 | 1997 | 1999 | 1997 | 1998 | 1999 | 1999 | 1999 | MAY 1998 | |
| PRECIPITATION | NORMAL (IN) | 30 | 2.10 | 2.15 | 2.55 | 2.97 | 3.65 | 3.98 | 3.79 | 3.32 | 3.31 | 2.79 | 3.06 | 2.51 | 36.18 |
| | MAXIMUM MONTHLY (IN) | 44 | 6.48 | 8.06 | 4.83 | 9.56 | 8.02 | 7.22 | 7.25 | 6.78 | 9.76 | 8.12 | 7.69 | 6.58 | 9.76 |
| | YEAR OF OCCURRENCE | | 1979 | 1981 | 1977 | 1983 | 1989 | 1982 | 1986 | 1994 | 1999 | 1976 | 1972 | 1983 | SEP 1999 |
| | MINIMUM MONTHLY (IN) | 44 | 0.39 | 0.30 | 0.49 | 0.96 | 0.77 | 0.27 | 1.04 | 0.95 | 0.82 | 0.03 | 0.80 | 0.35 | 0.03 |
| | YEAR OF OCCURRENCE | | 1980 | 1968 | 1981 | 1997 | 1959 | 1966 | 1993 | 1995 | 1964 | 1963 | 1976 | 1958 | OCT 1963 |
| | MAXIMUM IN 24 HOURS (IN) | 44 | 2.07 | 3.11 | 3.02 | 3.80 | 2.58 | 3.61 | 2.45 | 3.18 | 6.52 | 4.28 | 3.60 | 2.86 | 6.52 |
| | YEAR OF OCCURRENCE | | 1996 | 1981 | 1986 | 1983 | 1972 | 1973 | 1990 | 1966 | 1985 | 1995 | 1996 | 1983 | SEP 1985 |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| PRECIPITATION ≥ 0.01 | 30 | 12.0 | 10.7 | 12.1 | 12.2 | 13.1 | 12.4 | 11.3 | 10.9 | 9.9 | 9.9 | 12.4 | 13.0 | 139.9 | |
| PRECIPITATION ≥ 1.00 | 30 | 0.2 | 0.3 | 0.3 | 0.5 | 0.8 | 0.8 | 0.8 | 0.7 | 0.8 | 0.7 | 0.6 | 0.3 | 6.8 | |
| SNOWFALL | NORMAL (IN) | 30 | 12.4 | 10.6 | 8.0 | 2.8 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 4.1 | 8.6 | 46.7 | |
| | MAXIMUM MONTHLY (IN) | 41 | 42.3 | 22.0 | 32.0 | 26.7 | 2.4 | 0.0 | T | T | T | 4.4 | 22.5 | 33.9 | 42.3 |
| | YEAR OF OCCURRENCE | | 1994 | 1964 | 1993 | 1983 | 1977 | | 1995 | 1993 | 1993 | 1962 | 1971 | 1969 | JAN 1994 |
| | MAXIMUM IN 24 HOURS (IN) | 41 | 20.6 | 13.3 | 20.4 | 12.2 | 2.4 | 0.0 | T | T | T | 4.4 | 20.5 | 12.4 | 20.6 |
| | YEAR OF OCCURRENCE | | 1996 | 1961 | 1993 | 1983 | 1977 | | 1995 | 1993 | 1993 | 1962 | 1971 | 1969 | JAN 1996 |
| | MAXIMUM SNOW DEPTH (IN) | 46 | 27 | 25 | 21 | 14 | 0 | 0 | 0 | 0 | 0 | 2 | 17 | 22 | 27 |
| | YEAR OF OCCURRENCE | | 1994 | 1961 | 1993 | 1983 | | | | | | 1962 | 1971 | 1969 | JAN 1994 |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| SNOWFALL ≥ 1.0 | 30 | 3.3 | 3.0 | 2.4 | 0.6 | 0.* | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 2.2 | 12.5 | |

PRECIPITATION (inches) 1999 AVOCA, WILKES-BARRE - SCRANTON PA (AVP)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1970 | 0.52 | 2.41 | 2.33 | 3.07 | 2.75 | 2.56 | 5.19 | 2.72 | 3.03 | 2.24 | 2.87 | 1.85 | 31.54 |
| 1971 | 1.54 | 3.92 | 1.93 | 1.29 | 3.38 | 2.44 | 5.73 | 4.88 | 1.93 | 3.00 | 3.55 | 2.08 | 35.67 |
| 1972 | 2.05 | 2.42 | 4.00 | 3.31 | 7.33 | 7.04 | 1.23 | 1.64 | 1.57 | 3.30 | 7.69 | 3.61 | 45.19 |
| 1973 | 2.13 | 1.28 | 1.79 | 4.38 | 3.80 | 5.99 | 3.87 | 2.61 | 3.62 | 1.97 | 1.50 | 6.07 | 39.01 |
| 1974 | 2.66 | 1.48 | 4.75 | 2.71 | 1.89 | 3.85 | 2.80 | 3.50 | 6.85 | 1.07 | 2.26 | 3.40 | 37.22 |
| 1975 | 2.78 | 3.26 | 2.52 | 1.17 | 4.01 | 5.64 | 3.85 | 2.78 | 6.10 | 3.29 | 3.00 | 1.84 | 40.24 |
| 1976 | 3.25 | 2.14 | 2.18 | 2.27 | 3.24 | 5.43 | 3.20 | 2.57 | 3.81 | 8.12 | 0.80 | 1.50 | 38.51 |
| 1977 | 0.88 | 1.82 | 4.83 | 3.98 | 1.72 | 3.16 | 3.44 | 4.23 | 5.97 | 5.27 | 3.98 | 3.44 | 42.72 |
| 1978 | 5.33 | 0.93 | 2.30 | 1.67 | 4.30 | 2.48 | 2.16 | 3.28 | 3.06 | 3.35 | 1.02 | 3.09 | 32.97 |
| 1979 | 6.48 | 2.44 | 1.52 | 3.69 | 5.16 | 2.54 | 2.97 | 2.05 | 5.84 | 3.68 | 3.17 | 1.70 | 41.24 |
| 1980 | 0.39 | 0.69 | 3.72 | 2.35 | 2.37 | 4.36 | 3.76 | 1.23 | 1.43 | 2.17 | 2.83 | 1.24 | 26.54 |
| 1981 | 0.63 | 8.06 | 0.49 | 3.54 | 3.00 | 3.45 | 4.27 | 1.75 | 2.74 | 3.50 | 1.84 | 2.13 | 35.40 |
| 1982 | 2.71 | 2.28 | 2.55 | 3.48 | 3.52 | 7.22 | 3.32 | 3.42 | 1.10 | 0.84 | 3.44 | 1.52 | 35.40 |
| 1983 | 1.17 | 1.46 | 3.28 | 9.56 | 3.28 | 4.81 | 2.76 | 1.77 | 2.12 | 2.73 | 3.71 | 6.58 | 43.23 |
| 1984 | 1.11 | 2.92 | 2.42 | 4.09 | 6.70 | 4.75 | 5.12 | 2.81 | 1.36 | 2.30 | 2.63 | 2.36 | 38.57 |
| 1985 | 0.61 | 1.58 | 2.24 | 2.00 | 6.10 | 3.00 | 6.09 | 2.62 | 7.83 | 1.92 | 4.47 | 1.96 | 40.42 |
| 1986 | 2.59 | 2.58 | 4.25 | 2.98 | 2.24 | 6.77 | 7.25 | 3.94 | 3.07 | 2.61 | 3.94 | 2.04 | 44.26 |
| 1987 | 2.60 | 0.68 | 1.18 | 4.38 | 2.22 | 4.35 | 5.80 | 4.16 | 8.15 | 2.77 | 2.24 | 0.99 | 39.52 |
| 1988 | 1.41 | 2.32 | 1.97 | 2.65 | 4.24 | 0.82 | 6.26 | 5.03 | 1.89 | 1.93 | 3.33 | 1.08 | 32.93 |
| 1989 | 1.02 | 1.73 | 2.23 | 0.97 | 8.02 | 6.10 | 2.76 | 2.92 | 3.92 | 4.73 | 3.57 | 0.96 | 38.93 |
| 1990 | 3.81 | 2.70 | 1.88 | 2.48 | 5.27 | 4.78 | 4.36 | 5.69 | 3.16 | 4.33 | 3.33 | 4.30 | 46.09 |
| 1991 | 1.54 | 1.35 | 2.91 | 2.69 | 2.84 | 1.72 | 2.45 | 3.28 | 2.55 | 2.41 | 3.81 | 2.73 | 30.28 |
| 1992 | 1.23 | 1.41 | 2.65 | 1.67 | 4.21 | 1.45 | 3.83 | 2.13 | 2.65 | 1.91 | 3.47 | 2.91 | 29.52 |
| 1993 | 1.97 | 1.24 | 4.02 | 7.47 | 1.38 | 1.85 | 1.04 | 3.82 | 6.55 | 3.99 | 3.32 | 3.09 | 39.74 |
| 1994 | 3.29 | 1.00 | 3.80 | 4.90 | 2.68 | 3.54 | 3.22 | 6.78 | 5.12 | 0.76 | 4.54 | 2.29 | 41.92 |
| 1995 | 2.73 | 1.45 | 1.34 | 2.15 | 1.40 | 1.45 | 3.16 | 0.95 | 2.31 | 7.15 | 3.65 | 1.22 | 28.96 |
| 1996 | 6.40 | 1.46 | 2.55 | 5.26 | 4.03 | 3.90 | 6.01 | 1.24 | 3.92 | 4.40 | 4.45 | 5.37 | 48.99 |
| 1997 | 1.57 | 1.13 | 3.20 | 0.96 | 2.46 | 2.96 | 1.33 | 5.30 | 1.91 | 1.17 | 3.48 | 2.25 | 27.72 |
| 1998 | 2.96 | 2.91 | 2.54 | 5.41 | 4.38 | 4.16 | 2.43 | 2.69 | 2.46 | 2.99 | 0.95 | 0.86 | 34.74 |
| 1999 | 4.85 | 1.41 | 2.73 | 2.16 | 2.62 | 2.89 | 1.63 | 2.12 | 9.76 | 1.52 | 2.31 | 1.24 | 35.24 |
| POR= 99 YRS | 2.39 | 2.21 | 2.81 | 3.14 | 3.30 | 3.71 | 3.95 | 3.48 | 3.26 | 2.89 | 2.80 | 2.50 | 36.44 |

WBAN : 14777

AVERAGE TEMPERATURE (°F) 1999 AVOCA, WILKES-BARRE - SCRANTON PA (AVP)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1970 | 17.7 | 25.7 | 31.8 | 48.4 | 60.4 | 64.9 | 70.8 | 69.6 | 64.2 | 52.8 | 41.5 | 27.3 | 47.9 |
| 1971 | 19.5 | 27.2 | 33.0 | 45.0 | 55.9 | 68.6 | 69.9 | 68.3 | 65.5 | 56.4 | 38.8 | 34.1 | 48.5 |
| 1972 | 27.6 | 24.3 | 32.8 | 43.5 | 60.0 | 62.9 | 71.5 | 69.6 | 61.9 | 45.3 | 36.0 | 32.9 | 47.4 |
| 1973 | 28.5 | 24.5 | 41.9 | 47.5 | 53.4 | 68.3 | 71.5 | 71.6 | 62.4 | 53.2 | 41.5 | 31.3 | 49.6 |
| 1974 | 27.8 | 24.2 | 34.7 | 49.1 | 56.2 | 64.4 | 70.8 | 68.5 | 61.2 | 48.5 | 43.0 | 34.4 | 48.6 |
| 1975 | 31.8 | 32.1 | 35.8 | 43.9 | 64.9 | 68.8 | 73.7 | 71.2 | 59.9 | 55.8 | 47.8 | 31.1 | 51.4 |
| 1976 | 22.1 | 35.0 | 41.0 | 51.3 | 56.7 | 70.4 | 69.2 | 69.1 | 60.9 | 48.0 | 37.0 | 22.9 | 48.6 |
| 1977 | 15.0 | 26.9 | 40.5 | 48.9 | 60.0 | 63.8 | 71.1 | 68.7 | 62.7 | 48.5 | 43.1 | 29.6 | 48.2 |
| 1978 | 24.4 | 19.2 | 33.1 | 46.0 | 58.7 | 65.2 | 69.4 | 71.0 | 60.5 | 50.7 | 40.5 | 29.1 | 47.3 |
| 1979 | 24.2 | 16.0 | 40.7 | 46.4 | 58.6 | 65.1 | 70.7 | 70.7 | 63.2 | 51.8 | 45.9 | 35.6 | 49.1 |
| 1980 | 27.8 | 24.2 | 35.9 | 51.0 | 61.8 | 65.3 | 73.2 | 75.2 | 66.1 | 49.8 | 37.6 | 25.7 | 49.5 |
| 1981 | 19.5 | 34.9 | 36.2 | 51.0 | 59.8 | 68.5 | 72.2 | 70.1 | 62.1 | 49.1 | 41.1 | 29.1 | 49.5 |
| 1982 | 18.7 | 27.8 | 36.0 | 46.3 | 61.2 | 64.3 | 71.0 | 66.2 | 62.4 | 52.3 | 44.3 | 36.7 | 48.9 |
| 1983 | 27.3 | 29.4 | 38.8 | 45.9 | 55.7 | 67.6 | 72.4 | 71.6 | 64.8 | 52.5 | 42.8 | 27.1 | 49.7 |
| 1984 | 23.0 | 35.9 | 30.9 | 48.3 | 57.5 | 69.3 | 71.6 | 72.6 | 61.7 | 58.0 | 40.8 | 37.3 | 50.6 |
| 1985 | 21.5 | 29.8 | 39.1 | 51.4 | 60.6 | 63.8 | 70.1 | 69.0 | 64.0 | 52.7 | 44.5 | 26.7 | 49.4 |
| 1986 | 27.2 | 26.1 | 39.8 | 49.3 | 62.7 | 66.2 | 71.0 | 67.4 | 61.6 | 51.2 | 37.3 | 32.8 | 49.4 |
| 1987 | 24.7 | 25.1 | 39.7 | 50.7 | 60.0 | 68.7 | 73.5 | 68.3 | 61.8 | 47.4 | 41.3 | 32.7 | 49.5 |
| 1988 | 22.0 | 27.4 | 38.1 | 46.6 | 60.1 | 65.5 | 75.8 | 72.9 | 60.4 | 46.3 | 43.3 | 29.8 | 49.0 |
| 1989 | 31.3 | 28.0 | 37.2 | 45.6 | 57.6 | 67.0 | 70.4 | 68.5 | 62.2 | 52.8 | 39.7 | 18.6 | 48.2 |
| 1990 | 35.3 | 33.3 | 40.6 | 50.2 | 56.1 | 67.6 | 71.7 | 69.5 | 61.6 | 55.3 | 44.2 | 36.0 | 51.8 |
| 1991 | 27.5 | 33.4 | 40.4 | 51.7 | 65.7 | 69.5 | 73.4 | 72.2 | 61.8 | 53.3 | 41.4 | 32.9 | 51.9 |
| 1992 | 28.6 | 30.3 | 34.4 | 47.4 | 58.7 | 66.3 | 71.1 | 68.4 | 62.8 | 49.0 | 42.2 | 32.8 | 49.3 |
| 1993 | 32.0 | 23.8 | 33.3 | 49.9 | 61.7 | 68.8 | 75.5 | 72.7 | 61.2 | 50.0 | 41.4 | 30.0 | 50.0 |
| 1994 | 18.8 | 24.4 | 35.4 | 52.2 | 56.6 | 69.9 | 73.8 | 67.3 | 60.9 | 50.9 | 47.4 | 36.6 | 49.5 |
| 1995 | 32.9 | 26.5 | 40.5 | 46.4 | 59.2 | 69.9 | 75.2 | 74.7 | 62.4 | 56.5 | 35.7 | 25.7 | 50.5 |
| 1996 | 24.1 | 27.6 | 33.2 | 47.4 | 55.9 | 68.2 | 68.9 | 69.6 | 62.5 | 50.8 | 36.4 | 34.5 | 48.3 |
| 1997 | 25.3 | 32.9 | 36.8 | 45.5 | 54.3 | 65.9 | 70.4 | 67.5 | 60.3 | 50.2 | 37.1 | 31.3 | 48.1 |
| 1998 | 34.1 | 35.3 | 41.1 | 49.5 | 63.3 | 65.7 | 69.8 | 70.4 | 64.1 | 51.6 | 41.8 | 35.9 | 51.9 |
| 1999 | 27.9 | 31.9 | 35.5 | 48.1 | 60.2 | 68.5 | 74.7 | 68.9 | 64.5 | 49.0 | 45.3 | 33.1 | 50.6 |
| POR= 99 YRS | 26.8 | 27.6 | 36.8 | 48.0 | 59.1 | 67.4 | 72.1 | 70.0 | 63.0 | 52.1 | 41.1 | 30.4 | 49.5 |

HEATING DEGREE DAYS (base 65°F) 1999 AVOCA, WILKES-BARRE - SCRANTON PA (AVP)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|-----|------|------|------|------|-----|-----|-----|-------|
| 1970-71 | 2 | 5 | 109 | 371 | 695 | 1162 | 1404 | 1051 | 985 | 593 | 292 | 32 | 6701 |
| 1971-72 | 5 | 22 | 90 | 263 | 783 | 951 | 1152 | 1175 | 992 | 634 | 168 | 109 | 6344 |
| 1972-73 | 21 | 20 | 125 | 603 | 860 | 988 | 1124 | 1131 | 704 | 521 | 354 | 25 | 6476 |
| 1973-74 | 2 | 11 | 140 | 368 | 699 | 1036 | 1145 | 1135 | 934 | 480 | 291 | 65 | 6306 |
| 1974-75 | 5 | 2 | 155 | 503 | 655 | 941 | 1024 | 913 | 902 | 627 | 88 | 25 | 5840 |
| 1975-76 | 0 | 8 | 158 | 291 | 509 | 1043 | 1322 | 864 | 737 | 451 | 265 | 31 | 5679 |
| 1976-77 | 8 | 25 | 155 | 519 | 834 | 1297 | 1546 | 1058 | 756 | 487 | 206 | 90 | 6981 |
| 1977-78 | 14 | 37 | 119 | 505 | 653 | 1090 | 1252 | 1279 | 984 | 562 | 240 | 73 | 6808 |
| 1978-79 | 38 | 2 | 153 | 436 | 728 | 1103 | 1257 | 1370 | 747 | 552 | 221 | 66 | 6673 |
| 1979-80 | 34 | 31 | 120 | 420 | 568 | 900 | 1144 | 1175 | 895 | 414 | 137 | 94 | 5932 |
| 1980-81 | 1 | 0 | 82 | 466 | 813 | 1211 | 1407 | 835 | 886 | 416 | 195 | 19 | 6331 |
| 1981-82 | 2 | 5 | 132 | 485 | 706 | 1105 | 1426 | 1034 | 896 | 554 | 147 | 68 | 6560 |
| 1982-83 | 17 | 55 | 112 | 390 | 619 | 870 | 1158 | 992 | 805 | 569 | 292 | 41 | 5920 |
| 1983-84 | 7 | 11 | 119 | 392 | 659 | 1169 | 1297 | 837 | 1052 | 493 | 247 | 34 | 6317 |
| 1984-85 | 7 | 6 | 148 | 219 | 719 | 852 | 1342 | 981 | 799 | 421 | 162 | 78 | 5734 |
| 1985-86 | 4 | 11 | 127 | 376 | 610 | 1181 | 1163 | 1083 | 777 | 467 | 140 | 61 | 6000 |
| 1986-87 | 16 | 50 | 139 | 428 | 823 | 990 | 1243 | 1111 | 779 | 425 | 208 | 20 | 6232 |
| 1987-88 | 2 | 34 | 119 | 539 | 706 | 995 | 1326 | 1082 | 823 | 546 | 176 | 91 | 6439 |
| 1988-89 | 13 | 12 | 156 | 574 | 643 | 1083 | 1037 | 1031 | 853 | 575 | 251 | 39 | 6267 |
| 1989-90 | 6 | 31 | 133 | 377 | 750 | 1433 | 915 | 881 | 757 | 465 | 269 | 44 | 6061 |
| 1990-91 | 10 | 13 | 152 | 320 | 619 | 894 | 1153 | 877 | 757 | 402 | 113 | 23 | 5333 |
| 1991-92 | 0 | 0 | 160 | 370 | 699 | 989 | 1121 | 1001 | 942 | 521 | 209 | 40 | 6052 |
| 1992-93 | 4 | 9 | 132 | 488 | 676 | 993 | 1017 | 1148 | 975 | 447 | 136 | 39 | 6064 |
| 1993-94 | 0 | 4 | 174 | 460 | 703 | 1077 | 1428 | 1131 | 910 | 390 | 270 | 33 | 6580 |
| 1994-95 | 0 | 31 | 143 | 427 | 522 | 875 | 986 | 1072 | 755 | 552 | 189 | 15 | 5567 |
| 1995-96 | 0 | 0 | 123 | 264 | 872 | 1210 | 1260 | 1075 | 979 | 525 | 312 | 16 | 6636 |
| 1996-97 | 9 | 5 | 140 | 432 | 852 | 938 | 1222 | 893 | 866 | 577 | 327 | 60 | 6321 |
| 1997-98 | 7 | 23 | 150 | 466 | 828 | 1036 | 949 | 828 | 754 | 460 | 104 | 97 | 5702 |
| 1998-99 | 2 | 11 | 90 | 408 | 689 | 896 | 1143 | 919 | 910 | 500 | 159 | 32 | 5759 |
| 1999- | 4 | 18 | 104 | 491 | 586 | 982 | | | | | | | |

WBAN : 14777

COOLING DEGREE DAYS (base 65°F) 1999 AVOCA, WILKES-BARRE - SCRANTON PA (AV

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 1970 | 0 | 0 | 0 | 10 | 40 | 81 | 189 | 159 | 92 | 2 | 0 | 0 | 573 |
| 1971 | 0 | 0 | 0 | 0 | 16 | 145 | 160 | 132 | 113 | 4 | 3 | 0 | 573 |
| 1972 | 0 | 0 | 0 | 0 | 20 | 53 | 232 | 167 | 42 | 0 | 0 | 0 | 514 |
| 1973 | 0 | 0 | 0 | 4 | 0 | 132 | 212 | 223 | 72 | 7 | 0 | 0 | 650 |
| 1974 | 0 | 0 | 0 | 10 | 28 | 52 | 194 | 117 | 46 | 0 | 0 | 0 | 447 |
| 1975 | 0 | 0 | 0 | 0 | 91 | 146 | 278 | 207 | 13 | 14 | 0 | 0 | 749 |
| 1976 | 0 | 0 | 0 | 46 | 16 | 198 | 145 | 159 | 37 | 0 | 0 | 0 | 601 |
| 1977 | 0 | 0 | 2 | 13 | 57 | 62 | 208 | 162 | 59 | 0 | 2 | 0 | 565 |
| 1978 | 0 | 0 | 0 | 0 | 52 | 84 | 181 | 194 | 26 | 0 | 0 | 0 | 537 |
| 1979 | 0 | 0 | 0 | 2 | 32 | 78 | 218 | 214 | 75 | 15 | 0 | 0 | 634 |
| 1980 | 0 | 0 | 0 | 0 | 42 | 107 | 263 | 322 | 122 | 3 | 0 | 0 | 859 |
| 1981 | 0 | 0 | 0 | 4 | 42 | 131 | 231 | 172 | 55 | 0 | 0 | 0 | 635 |
| 1982 | 0 | 0 | 0 | 1 | 34 | 55 | 208 | 98 | 41 | 3 | 5 | 0 | 445 |
| 1983 | 0 | 0 | 0 | 4 | 12 | 125 | 243 | 224 | 118 | 9 | 0 | 0 | 735 |
| 1984 | 0 | 0 | 0 | 0 | 20 | 165 | 218 | 248 | 58 | 12 | 0 | 0 | 721 |
| 1985 | 0 | 0 | 0 | 20 | 32 | 47 | 169 | 142 | 104 | 0 | 0 | 0 | 514 |
| 1986 | 0 | 0 | 2 | 0 | 76 | 104 | 205 | 131 | 44 | 8 | 0 | 0 | 570 |
| 1987 | 0 | 0 | 0 | 3 | 62 | 138 | 273 | 141 | 30 | 0 | 0 | 0 | 647 |
| 1988 | 0 | 0 | 0 | 0 | 34 | 111 | 356 | 266 | 23 | 3 | 0 | 0 | 793 |
| 1989 | 0 | 0 | 0 | 0 | 31 | 109 | 179 | 148 | 57 | 4 | 0 | 0 | 528 |
| 1990 | 0 | 0 | 8 | 29 | 2 | 127 | 225 | 160 | 56 | 24 | 0 | 0 | 631 |
| 1991 | 0 | 0 | 0 | 12 | 142 | 164 | 264 | 230 | 69 | 14 | 0 | 0 | 895 |
| 1992 | 0 | 0 | 0 | 0 | 21 | 85 | 201 | 123 | 71 | 0 | 0 | 0 | 501 |
| 1993 | 0 | 0 | 0 | 5 | 41 | 158 | 334 | 249 | 66 | 0 | 0 | 0 | 853 |
| 1994 | 0 | 0 | 0 | 13 | 18 | 188 | 280 | 109 | 27 | 0 | 1 | 0 | 636 |
| 1995 | 0 | 0 | 0 | 0 | 16 | 167 | 323 | 308 | 54 | 6 | 0 | 0 | 874 |
| 1996 | 0 | 0 | 0 | 0 | 38 | 117 | 132 | 155 | 71 | 0 | 0 | 0 | 513 |
| 1997 | 0 | 0 | 0 | 0 | 4 | 97 | 178 | 105 | 16 | 11 | 0 | 0 | 411 |
| 1998 | 0 | 0 | 17 | 0 | 59 | 128 | 157 | 184 | 71 | 0 | 0 | 0 | 616 |
| 1999 | 0 | 0 | 0 | 0 | 19 | 145 | 312 | 146 | 95 | 0 | 0 | 0 | 717 |

SNOWFALL (inches) 1999 AVOCA, WILKES-BARRE - SCRANTON PA (AVP)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|----------------|-----|-----|-----|-----|------|------|------|------|------|------|-----|-----|-------|
| 1970-71 | 0.0 | 0.0 | 0.0 | 0.3 | T | 12.3 | 15.2 | 12.1 | 15.6 | 1.6 | 0.0 | 0.0 | 57.1 |
| 1971-72 | 0.0 | 0.0 | 0.0 | 0.0 | 22.5 | 4.1 | 5.9 | 19.7 | 6.6 | 3.8 | 0.0 | 0.0 | 62.6 |
| 1972-73 | 0.0 | 0.0 | 0.0 | 0.8 | 7.9 | 3.9 | 5.0 | 3.1 | 1.9 | 0.2 | 0.4 | 0.0 | 23.2 |
| 1973-74 | 0.0 | 0.0 | 0.0 | T | 0.4 | 16.0 | 12.8 | 4.5 | 15.7 | 2.8 | 0.0 | 0.0 | 52.2 |
| 1974-75 | 0.0 | 0.0 | 0.0 | 0.2 | 2.2 | 5.2 | 13.7 | 15.2 | 5.5 | 1.2 | 0.0 | 0.0 | 43.2 |
| 1975-76 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 3.7 | 13.0 | 7.5 | 10.2 | 0.5 | T | 0.0 | 36.2 |
| 1976-77 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 6.7 | 15.7 | 13.0 | 11.2 | 1.4 | 2.4 | 0.0 | 56.4 |
| 1977-78 | 0.0 | 0.0 | 0.0 | 0.6 | 8.7 | 9.8 | 28.8 | 18.2 | 6.5 | 0.9 | 0.0 | 0.0 | 73.5 |
| 1978-79 | 0.0 | 0.0 | 0.0 | T | 4.1 | 7.9 | 12.7 | 14.3 | 1.1 | 4.4 | 0.0 | 0.0 | 44.5 |
| 1979-80 | 0.0 | 0.0 | 0.0 | T | T | 5.5 | 1.4 | 8.1 | 10.5 | T | 0.0 | 0.0 | 25.5 |
| 1980-81 | 0.0 | 0.0 | 0.0 | T | 8.6 | 8.0 | 11.1 | 7.0 | 5.8 | T | 0.0 | 0.0 | 40.5 |
| 1981-82 | 0.0 | 0.0 | 0.0 | T | 1.0 | 14.2 | 14.1 | 13.5 | 8.7 | 8.1 | 0.0 | 0.0 | 59.6 |
| 1982-83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 7.4 | 8.4 | 12.3 | 3.8 | 26.7 | 0.0 | 0.0 | 59.1 |
| 1983-84 | 0.0 | 0.0 | 0.0 | 0.0 | 3.1 | 2.7 | 11.2 | 4.0 | 18.4 | 0.0 | 0.0 | 0.0 | 39.4 |
| 1984-85 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 9.2 | 10.8 | 9.1 | 1.4 | 1.8 | 0.0 | 0.0 | 35.3 |
| 1985-86 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 13.4 | 12.9 | 11.6 | 1.1 | 8.6 | 0.0 | 0.0 | 49.3 |
| 1986-87 | 0.0 | 0.0 | 0.0 | 0.0 | 8.6 | 1.4 | 29.6 | 6.4 | 0.9 | 0.6 | 0.0 | 0.0 | 47.5 |
| 1987-88 | 0.0 | 0.0 | 0.0 | T | 6.4 | 6.4 | 13.0 | 14.9 | 4.3 | 0.7 | 0.0 | 0.0 | 45.7 |
| 1988-89 | 0.0 | 0.0 | 0.0 | T | T | 1.1 | 2.1 | 3.0 | 1.1 | T | 0.0 | 0.0 | 7.3 |
| 1989-90 | 0.0 | 0.0 | 0.0 | T | 2.6 | 8.3 | 10.8 | 7.3 | 6.2 | 2.1 | 0.0 | 0.0 | 37.3 |
| 1990-91 | 0.0 | 0.0 | T | T | 0.4 | 8.4 | 6.6 | 7.6 | 7.2 | 1.1 | 0.0 | 0.0 | 31.3 |
| 1991-92 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 3.5 | 5.4 | 6.3 | 8.5 | 0.7 | 0.0 | 0.0 | 24.5 |
| 1992-93 | 0.0 | 0.0 | T | T | 0.5 | 10.0 | 3.8 | 12.1 | 32.0 | 1.9 | 0.0 | 0.0 | 60.3 |
| 1993-94 | 0.0 | T | T | 1.9 | 0.7 | 8.0 | 42.3 | 16.9 | 20.6 | T | T | 0.0 | 90.4 |
| 1994-95 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 0.4 | 7.6 | 9.7 | 5.2 | 0.8 | 0.0 | 0.0 | 25.0 |
| 1995-96 | T | 0.0 | 0.0 | T | 18.6 | 16.0 | 37.5 | 6.5 | 14.2 | | | | |
| 1996-97 | | | | | | | | | | | | | |
| 1997-98 | | | | | | | | | | | | | |
| 1998-99 | | | | | | | | | | | | | |
| 1999- | | | | | | | | | | | | | |
| POR= 41 YRS | T | T | T | 0.2 | 3.7 | 8.8 | 12.2 | 10.5 | 9.5 | 2.8 | 0.1 | 0.0 | 47.8 |

WBAN : 14777

REFERENCE NOTES:

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|---|---|
| <p>PAGE 1: THE TEMPERATURE GRAPH SHOWS NORMAL MAXIMUM AND NORMAL MINIMUM DAILY TEMPERATURES (SOLID CURVES) AND THE ACTUAL DAILY HIGH AND LOW TEMPERATURES (VERTICAL BARS).</p> <p>PAGE 2 AND 3: H/C INDICATES HEATING AND COOLING DEGREE DAYS. RH INDICATES RELATIVE HUMIDITY W/O INDICATES WEATHER AND OBSTRUCTIONS S INDICATES SUNSHINE. PR INDICATES PRESSURE. CLOUDINESS ON PAGE 3 IS THE SUM OF THE CEILOMETER AND SATELLITE DATA NOT TO EXCEED EIGHT EIGHTHS(OKTAS).</p> <p>GENERAL: T INDICATES TRACE PRECIPITATION, AN AMOUNT GREATER THAN ZERO BUT LESS THAN THE LOWEST REPORTABLE VALUE. + INDICATES THE VALUE ALSO OCCURS ON EARLIER DATES. BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA. NORMALS ARE 30-YEAR AVERAGES (1961 - 1990). ASOS INDICATES AUTOMATED SURFACE OBSERVING SYSTEM. PM INDICATES THE LAST DAY OF THE PREVIOUS MONTH. POR (PERIOD OF RECORD) BEGINS WITH THE JANUARY DATA MONTH AND IS THE NUMBER OF YEARS USED TO COMPUTE THE MEAN. INDIVIDUAL MONTHS WITHIN THE POR MAY BE MISSING. WHEN THE POR FOR A NORMAL IS LESS THAN 30 YEARS, THE NORMAL IS PROVISIONAL AND IS BASED ON THE NUMBER OF YEARS INDICATED. 0.* OR * INDICATES THE VALUE OR MEAN-DAYS-WITH IS BETWEEN 0.00 AND 0.05. CLOUDINESS FOR ASOS STATIONS DIFFERS FROM THE NON-ASOS OBSERVATION TAKEN BY A HUMAN OBSERVER. ASOS STATION CLOUDINESS IS BASED ON TIME-AVERAGED CEILOMETER DATA FOR CLOUDS AT OR BELOW 12,000 FEET AND ON SATELLITE DATA FOR CLOUDS ABOVE 12,000 FEET. THE NUMBER OF DAYS WITH CLEAR, PARTLY CLOUDY, AND CLOUDY CONDITIONS FOR ASOS STATIONS IS THE SUM OF THE CEILOMETER AND SATELLITE DATA FOR THE SUNRISE TO SUNSET PERIOD.</p> | <p>GENERAL CONTINUED: CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS. WHEN AT LEAST ONE OF THE ELEMENTS (CEILOMETER OR SATELLITE) IS MISSING, THE DAILY CLOUDINESS IS NOT COMPUTED. WIND DIRECTION IS RECORDED IN TENS OF DEGREES (2 DIGITS) CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM. "36" INDICATES TRUE NORTH. RESULTANT WIND IS THE VECTOR AVERAGE OF THE SPEED AND DIRECTION. AVERAGE TEMPERATURE IS THE SUM OF THE MEAN DAILY MAXIMUM AND MINIMUM TEMPERATURE DIVIDED BY 2. SNOWFALL DATA COMPRISE ALL FORMS OF FROZEN PRECIPITATION, INCLUDING HAIL. A HEATING (COOLING) DEGREE DAY IS THE DIFFERENCE BETWEEN THE AVERAGE DAILY TEMPERATURE AND 65° F. DRY BULB IS THE TEMPERATURE OF THE AMBIENT AIR. DEW POINT IS THE TEMPERATURE TO WHICH THE AIR MUST BE COOLED TO ACHIEVE 100 PERCENT RELATIVE HUMIDITY. WET BULB IS THE TEMPERATURE THE AIR WOULD HAVE IF THE MOISTURE CONTENT WAS INCREASED TO 100 PERCENT RELATIVE HUMIDITY.</p> <p>ON JULY 1, 1996, THE NATIONAL WEATHER SERVICE BEGAN USING THE "METAR" OBSERVATION CODE THAT WAS ALREADY EMPLOYED BY MOST OTHER NATIONS OF THE WORLD. THE MOST NOTICEABLE DIFFERENCE IN THIS ANNUAL PUBLICATION WILL BE THE CHANGE IN UNITS FROM TENTHS TO EIGHTHS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.</p> |
|---|---|

1999
AVOCA, WILKES-BARRE - SCRANTON
PENNSYLVANIA (AVP)

The Wilkes-Barre Scranton National Weather Service Office is located about midway between the two cities, at the southwest end of the crescent-shaped Lackawanna River Valley. The river flows through this valley and empties into the Susquehanna River and the Wyoming Valley a few miles west of the airport. The surrounding mountains protect both cities and the airport from high winds. They influence the temperature and precipitation during both summer and winter, causing wide departures in both within a few miles of the station. Because of the proximity of the mountains, the climate is relatively cool in summer with frequent shower and thunderstorm activity, usually of brief duration. The winter temperatures in the valley are not severe. The occurrence of sub-zero temperatures and severe snowstorms is infrequent. A high percentage of the winter precipitation occurs as rain.

Although severe snowstorms are infrequent, when they do occur they approach blizzard conditions. High winds cause huge drifts and normal routines are disrupted for several days.

While the incidence of tornadoes is very low, Wilkes-Barre has occasionally been hit with these storms which caused loss of life and great property damage.

The area has felt the effects of tropical storms. Considerable wind damage has occasionally occurred, but the most devastating damage has come from flooding caused by the large amounts of precipitation deposited by the storms. The worst natural disaster to hit the region was the result of the flooding caused by a hurricane.

STATION LOCATION

AVOCA, PENNSYLVANIA

| LOCATION | OCCUPIED FROM | OCCUPIED TO | AIRLINE DISTANCES AND DIRECTIONS FROM PREVIOUS LOCATION | LATITUDE NORTH | LONGITUDE WEST | ELEVATION ABOVE | | | | | | | | | | AUTOMATED STATION | * Type | REMARKS | |
|---|---------------|-------------|---|----------------|----------------|-----------------|------------------|----------|----------|------------|----------|---------|---------|----------------|------|-------------------|--------|--|------|
| | | | | | | SEA LEVEL | GROUND | | | | | | | | | | | | |
| | | | | | | | WIND | WIND | WIND | WIND | WIND | WIND | WIND | WIND | WIND | | | | WIND |
| <u>COOPERATIVE</u> H.E. Payne residence Corner Madison Avenue & Gibson Street, Scranton, PA | 9/1/95 | 8/31/00 | NA | 41°25' | 75°39' | 825 | | | | | | | | | | | | | |
| <u>CITY</u> Connell Building 129-131 N. Washington Scranton, PA | 8/17/00 | 9/19/31 | 3800 ft.SW | 41°24' | 75°40' | Unk | 119 | 112 | 111 | | | | 102 | | | | | | |
| U.S. Post Office & Court House, corner Washington & Linden Sts Scranton, PA | 9/19/31 | 4/17/55 | 700 ft.NNE | 41°25' | 75°40' | 746 | 106 | 73 | 72 | | | | 64 | | | | | Good exposure above influence of surrounding buildings. | |
| <u>AIRPORT</u> Terminal Building Wilkes-Barre Scranton Airport | 4/18/55 | 04/01/96 | 6 mi. SW | 41°20' | 75°44' | 940 g930 | 92 b21 h33 | 5 e30 | 4 e30 | Unk a60 | NA c3 | 5 f5 | 3 f3 | NA d5 15 | NA | | | a - Effective 7/1/57. b - Moved to field site 10/1/59. c - Installed on field site 10/1/59. d - Commissioned 1000' NE of thermometer site 10/5/59. e - Effective 10/29/59. f - Moved 140' NNW 7/2/63. g - Value for hygrometer site per survey of 10/7/63. h - Effective 7/31/79. i - Type change 11/7/84. | |
| Wilkes-Barre Scranton Airport | 04/01/96 | Present | NA | 41°20' | 75°44' | 956 | | | | | | | | | S | | | ASOS Commissioned 04/01/96 | |

SUBSCRIPTION: Price and ordering information available through: National Climatic Data Center, Federal Building, Asheville, North Carolina 28801.
INQUIRIES/COMMENTS CALL: (828) 271-4800

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