

2001

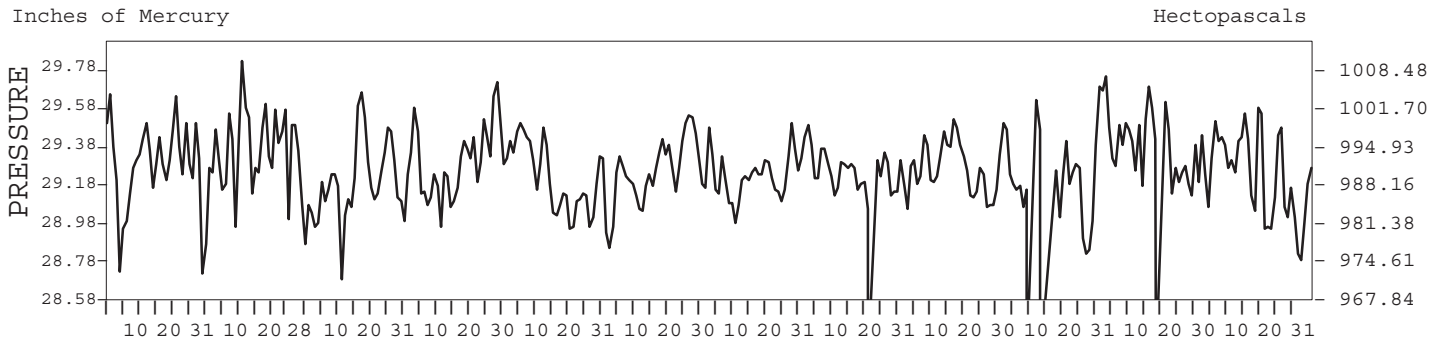
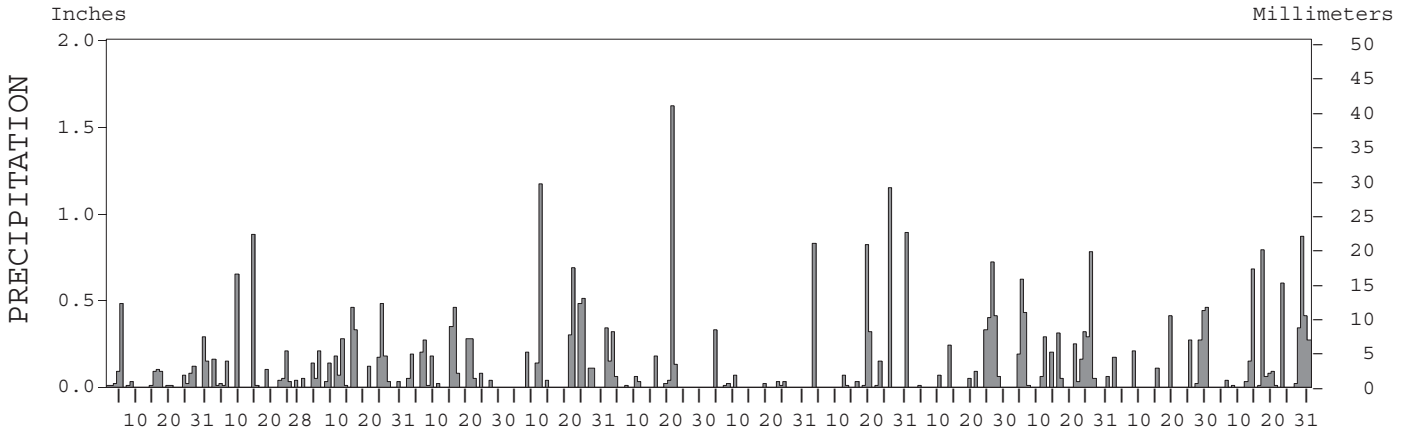
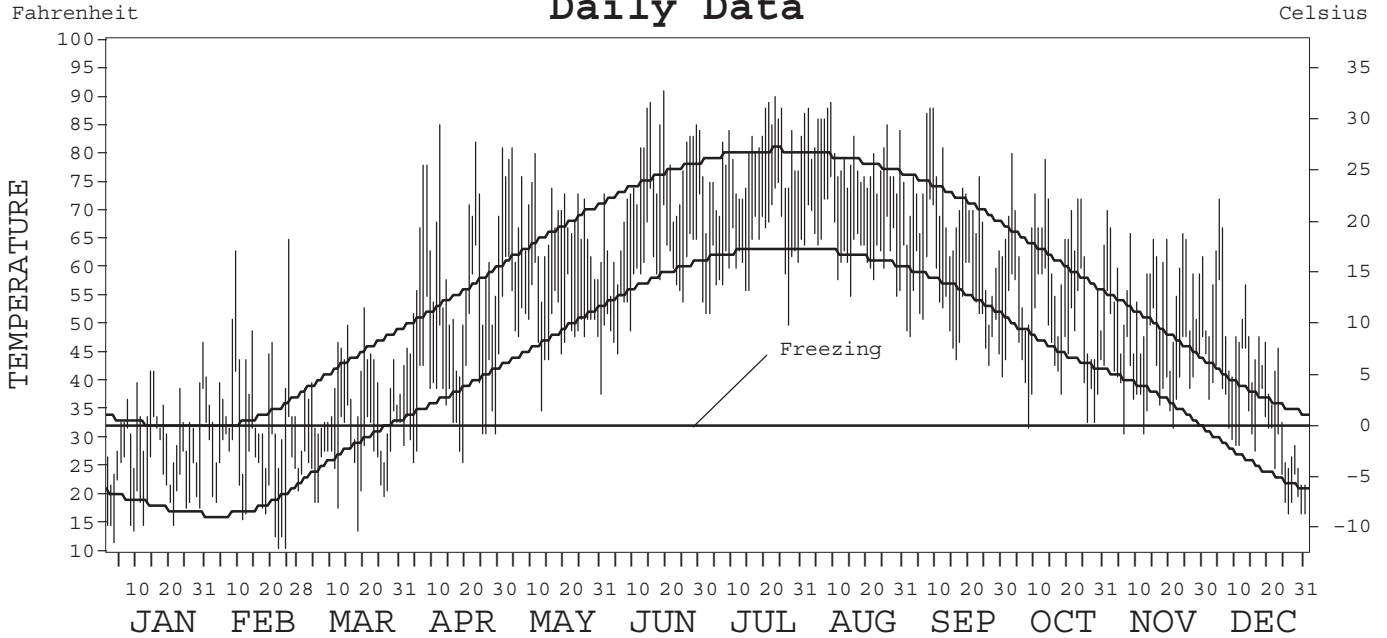
LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0198-4497

ERIE,
PENNSYLVANIA (ERI)

Daily Data



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Thomas R. Karl

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

METEOROLOGICAL DATA FOR 2001

ERIE, PA (ERI)

LATITUDE: 42° 04' 48" N LONGITUDE: 80° 10' 57" W ELEVATION (FT): GRND: 753 BARO: 756 TIME ZONE: EASTERN (UTC + 5) WBAN: 14860

| ELEMENT | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR |
|----------------------|-------------------------------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|--------|-----------|
| TEMPERATURE °F | MEAN DAILY MAXIMUM | 32.5 | 37.3 | 37.9 | 59.1 | 68.4 | 75.0 | 78.9 | 79.8 | 69.4 | 61.7 | 56.5 | 42.9 | 58.3 |
| | HIGHEST DAILY MAXIMUM | 47 | 65 | 53 | 85 | 81 | 91 | 90 | 89 | 88 | 80 | 70 | 72 | 91 |
| | DATE OF OCCURRENCE | 30 | 25 | 20 | 12 | 04+ | 19 | 23 | 09 | 09+ | 03 | 01 | 05 | JUN 19 |
| | MEAN DAILY MINIMUM | 22.6 | 23.8 | 26.8 | 38.8 | 50.7 | 59.0 | 62.3 | 64.0 | 53.2 | 46.8 | 41.8 | 32.1 | 43.5 |
| | LOWEST DAILY MINIMUM | 12 | 11 | 14 | 26 | 35 | 45 | 50 | 55 | 41 | 32 | 31 | 17 | 11 |
| | DATE OF OCCURRENCE | 03 | 24+ | 18 | 19+ | 13 | 05 | 27 | 29+ | 30 | 08 | 12+ | 31+ | FEB 24+ |
| | AVERAGE DRY BULB | 27.6 | 30.6 | 32.4 | 49.0 | 59.6 | 67.0 | 70.6 | 71.9 | 61.3 | 54.3 | 49.2 | 37.5 | 50.9 |
| | MEAN WET BULB | 26.2 | 27.7 | 29.8 | | 54.2 | 61.8 | 63.2 | | | | | | |
| | MEAN DEW POINT | 22.7 | 22.0 | 24.8 | | 49.9 | 58.1 | 58.1 | | | | | | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | |
| MAXIMUM ≥ 90° | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| MAXIMUM ≤ 32° | 15 | 11 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 41 |
| MINIMUM ≤ 32° | 28 | 26 | 23 | 9 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 18 | 108 | |
| MINIMUM ≤ 0° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| H/C | HEATING DEGREE DAYS | 1152 | 956 | 1004 | 486 | 185 | 68 | 12 | 1 | 155 | 337 | 469 | 844 | 5669 |
| | COOLING DEGREE DAYS | 0 | 0 | 0 | 13 | 24 | 135 | 194 | 224 | 52 | 11 | 0 | 0 | 653 |
| RH | MEAN (PERCENT) | 81 | 71 | 75 | 69 | 73 | 74 | 66 | 73 | 73 | 69 | 72 | 76 | 73 |
| | HOUR 01 LST | 79 | 71 | 79 | 77 | 77 | 82 | 73 | 79 | 79 | 74 | 69 | 78 | 76 |
| | HOUR 07 LST | 85 | 74 | 81 | 77 | 81 | 79 | 73 | 82 | 82 | 74 | 75 | 80 | 79 |
| | HOUR 13 LST | 79 | 67 | 67 | 63 | 66 | 68 | 58 | 65 | 63 | 62 | 64 | 68 | 66 |
| | HOUR 19 LST | 80 | 71 | 74 | 65 | 70 | 66 | 57 | 65 | 71 | 67 | 77 | 78 | 70 |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | |
| W/O | NUMBER OF DAYS WITH: | | | | | | | | | | | | | |
| | HEAVY FOG (VISBY ≤ 1/4 MI) | 3 | 1 | 5 | 3 | 2 | 1 | 0 | 3 | 0 | 2 | 2 | 3 | 25 |
| | THUNDERSTORMS | 0 | 0 | 0 | 4 | 3 | 4 | 3 | 6 | 3 | 3 | 1 | 0 | 27 |
| 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.) | 29.26 | 29.36 | 29.17 | 29.27 | 29.21 | 29.23 | 29.22 | | 29.27 | | | 29.22 | |
| | MEAN SEA-LEVEL PRESS. (IN.) | 30.07 | 30.17 | | | 30.00 | 30.01 | 30.00 | | 30.06 | | | | |
| WINDS | RESULTANT SPEED (MPH) | 6.4 | | 2.3 | 1.8 | 3.9 | 2.3 | 1.3 | | 2.2 | | | 7.3 | |
| | RES. DIR. (TENS OF DEGS.) | 24 | | 28 | 23 | 19 | 19 | 17 | | 21 | | | 22 | |
| | MEAN SPEED (MPH) | 10.0 | 10.9 | 9.5 | 9.2 | 9.2 | 7.5 | 8.7 | 7.4 | 8.6 | 11.8 | 10.7 | 11.5 | 9.6 |
| | PREVAIL. DIR. (TENS OF DEGS.) | 26 | 26 | 26 | 18 | 18 | 19 | 20 | 19 | 18 | 19 | 21 | 22 | 19 |
| | MAXIMUM 2-MINUTE WIND: | | | | | | | | | | | | | |
| | SPEED (MPH) | 30 | 39 | 29 | 37 | 30 | 25 | 25 | 25 | 25 | 36 | 31 | 29 | 39 |
| | DIR. (TENS OF DEGS.) | 25 | 26 | 26 | 20 | 17 | 16 | 06 | 27 | 20 | 20 | 16 | 28 | 26 |
| | DATE OF OCCURRENCE | 09 | 10 | 13 | 12 | 07 | 01 | 26 | 17 | 26+ | 16 | 24 | 20 | FEB 10 |
| | MAXIMUM 5-SECOND WIND: | | | | | | | | | | | | | |
| | SPEED (MPH) | 40 | 61 | 39 | 48 | 38 | 35 | 30 | 31 | 32 | 46 | 40 | 39 | 61 |
| DIR. (TENS OF DEGS.) | 27 | 25 | 25 | 24 | 15 | 16 | 07 | 28 | 23 | 28 | 17 | 27 | 25 | |
| DATE OF OCCURRENCE | 09 | 10 | 13 | 12 | 21 | 01 | 26+ | 17 | 25 | 16 | 24 | 23+ | FEB 10 | |
| PRECIPITATION | WATER EQUIVALENT: | | | | | | | | | | | | | |
| | TOTAL (IN.) | 1.69 | 2.36 | 2.96 | 2.54 | 3.75 | 2.96 | 0.52 | 4.29 | 2.38 | 4.10 | 2.36 | 4.46 | 34.37 |
| | GREATEST 24-HOUR (IN.) | 0.37 | 0.88 | 0.48 | 0.57 | 1.31 | 1.75 | 0.33 | 1.15 | 0.85 | 1.02 | 0.61 | 0.87 | 1.75 |
| | DATE OF OCCURRENCE | 30-31 | 14 | 25 | 15-16 | 11-12 | 21-22 | 04 | 26 | 26-27 | 05-06 | 29-30 | 29 | JUN 21-22 |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | |
| PRECIPITATION ≥ 0.01 | 19 | 14 | 18 | 15 | 10 | 12 | 8 | 11 | 10 | 17 | 9 | 17 | 160 | |
| PRECIPITATION ≥ 0.10 | 5 | 6 | 11 | 8 | 9 | 6 | 1 | 6 | 5 | 11 | 8 | 8 | 84 | |
| PRECIPITATION ≥ 1.00 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | |
| SNOWFALL | SNOW, ICE PELLETS, HAIL: | | | | | | | | | | | | | |
| | TOTAL (IN.) | 16.3 | 8.5 | 28.9 | 3.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | T | 37.1 | 96.7 |
| | GREATEST 24-HOUR (IN.) | 5.4 | 2.1 | 6.6 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | T | 16.0 | 16.0 |
| | DATE OF OCCURRENCE | 05 | 02 | 25 | 16+ | | | | | | 26 | 20 | 29 | DEC 29 |
| | MAXIMUM SNOW DEPTH (IN.) | 12 | 3 | 5 | 1 | | | | | | | | 19 | |
| | DATE OF OCCURRENCE | 06 | 02 | 17 | 16 | | | | | | | | 31 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | |
| SNOWFALL ≥ 1.0 | 7 | 3 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 25 | |

PRECIPITATION (inches) 2001 ERIE, PA (ERI)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------------|------|------|------|------|------|------|------|-------|-------|------|-------|------|--------|
| 1972 | 1.94 | 2.77 | 3.95 | 2.64 | 4.69 | 7.50 | 2.91 | 3.01 | 5.37 | 1.72 | 3.36 | 3.69 | 43.55 |
| 1973 | 1.72 | 2.00 | 3.18 | 2.71 | 4.57 | 6.28 | 1.55 | 3.96 | 2.22 | 3.56 | 2.83 | 3.46 | 38.04 |
| 1974 | 2.45 | 1.93 | 5.02 | 4.89 | 4.44 | 5.33 | 1.11 | 2.97 | 3.34 | 1.57 | 5.20 | 3.58 | 41.83 |
| 1975 | 2.99 | 3.30 | 3.58 | 1.63 | 2.36 | 4.36 | 3.22 | 8.93 | 2.52 | 2.42 | 3.17 | 4.55 | 43.03 |
| 1976 | 3.07 | 5.01 | 6.78 | 2.71 | 4.18 | 3.98 | 4.35 | 1.40 | 3.87 | 4.14 | 2.12 | 2.24 | 43.85 |
| 1977 | 1.05 | 1.44 | 3.45 | 5.21 | 2.53 | 4.39 | 6.67 | 11.06 | 10.65 | 3.37 | 6.25 | 5.63 | 61.70 |
| 1978 | 3.61 | 0.57 | 1.79 | 2.45 | 2.76 | 2.68 | 0.65 | 4.56 | 4.83 | 5.81 | 1.52 | 3.81 | 35.04 |
| 1979 | 3.50 | 2.15 | 2.50 | 4.71 | 3.70 | 3.58 | 4.27 | 5.09 | 8.44 | 6.63 | 5.84 | 4.90 | 55.31 |
| 1980 | 1.57 | 1.29 | 4.11 | 3.79 | 2.23 | 4.83 | 5.42 | 6.76 | 5.48 | 6.51 | 2.56 | 2.49 | 47.04 |
| 1981 | 0.87 | 5.21 | 1.58 | 6.09 | 2.13 | 4.84 | 3.04 | 3.85 | 4.26 | 5.04 | 2.22 | 2.84 | 41.97 |
| 1982 | 3.85 | 1.24 | 3.50 | 1.81 | 3.06 | 6.02 | 4.40 | 2.20 | 4.07 | 2.74 | 5.33 | 3.34 | 41.56 |
| 1983 | 1.49 | 1.07 | 3.63 | 2.93 | 3.91 | 3.84 | 5.52 | 4.74 | 5.27 | 3.77 | 6.11 | 3.97 | 46.25 |
| 1984 | 1.65 | 2.42 | 1.91 | 2.63 | 5.83 | 4.49 | 1.94 | 2.09 | 5.29 | 1.82 | 3.62 | 4.10 | 37.79 |
| 1985 | 2.56 | 2.75 | 5.08 | 1.76 | 2.94 | 3.50 | 4.97 | 1.66 | 2.22 | 5.20 | 10.40 | 2.83 | 45.87 |
| 1986 | 2.33 | 2.72 | 2.10 | 2.88 | 5.24 | 7.71 | 2.54 | 1.83 | 7.97 | 4.86 | 2.99 | 4.13 | 47.30 |
| 1987 | 2.15 | 1.05 | 4.28 | 1.87 | 1.78 | 5.15 | 3.91 | 7.82 | 5.45 | 5.76 | 2.25 | 3.39 | 44.86 |
| 1988 | 1.50 | 2.47 | 2.44 | 3.00 | 3.21 | 1.26 | 4.14 | 3.78 | 3.21 | 8.25 | 2.99 | 2.62 | 38.87 |
| 1989 | 1.95 | 2.41 | 4.70 | 2.02 | 6.14 | 5.14 | 1.35 | 3.96 | 3.76 | 3.33 | 3.87 | 3.25 | 41.88 |
| 1990 | 2.30 | 5.73 | 1.29 | 3.52 | 5.74 | 2.84 | 2.53 | 6.49 | 7.74 | 4.15 | 2.69 | 6.94 | 51.96 |
| 1991 | 2.16 | 1.62 | 3.38 | 3.64 | 1.00 | 0.75 | 3.49 | 3.07 | 3.25 | 3.00 | 3.18 | 3.17 | 31.71 |
| 1992 | 2.60 | 1.91 | 2.11 | 4.04 | 1.78 | 1.95 | 6.06 | 4.11 | 6.81 | 4.01 | 5.37 | 3.34 | 44.09 |
| 1993 | 3.36 | 2.03 | 3.59 | 2.34 | 1.28 | 3.94 | 2.80 | 2.85 | 4.52 | 4.41 | 4.10 | 2.88 | 38.10 |
| 1994 | 2.58 | 1.35 | 2.99 | 4.87 | 2.02 | 5.80 | 1.12 | 7.72 | 3.39 | 2.46 | 3.01 | 3.19 | 40.50 |
| 1995 | 3.37 | 1.66 | 1.29 | 3.08 | 2.69 | 1.45 | 2.20 | 3.54 | 1.33 | 4.51 | 4.99 | 3.25 | 33.36 |
| 1996 | 3.26 | 2.03 | 2.04 | 6.07 | 3.37 | 8.35 | 2.99 | 1.43 | 9.63 | 3.28 | 3.26 | 2.96 | 48.67 |
| 1997 | 1.66 | 3.00 | 4.80 | 2.25 | 4.36 | 4.30 | 2.90 | 3.07 | 3.16 | 2.43 | 3.23 | 4.85 | 40.01 |
| 1998 | 5.35 | 1.34 | 2.99 | 4.86 | 2.67 | 2.64 | 2.33 | 2.54 | 1.63 | 1.92 | 1.80 | 3.59 | 33.66 |
| 1999 | 4.98 | 1.88 | 1.86 | 4.09 | 3.20 | 3.00 | 2.42 | 2.77 | 5.15 | 2.94 | 4.48 | 3.84 | 40.61 |
| 2000 | 2.48 | 1.95 | 2.05 | 5.09 | 4.29 | 5.62 | 4.86 | 5.52 | 2.55 | 3.38 | 5.67 | 4.86 | 48.32 |
| 2001 | 1.69 | 2.36 | 2.96 | 2.54 | 3.75 | 2.96 | 0.52 | 4.29 | 2.38 | 4.10 | 2.36 | 4.46 | 34.37 |
| POR= 128 YRS | 2.68 | 2.38 | 2.82 | 3.16 | 3.36 | 3.54 | 3.18 | 3.30 | 3.74 | 3.58 | 3.52 | 2.98 | 38.24 |

WBAN : 14860

AVERAGE TEMPERATURE (°F) 2001 ERIE, PA (ERI)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1972 | 26.9 | 22.9 | 29.8 | 40.0 | 55.6 | 59.8 | 68.4 | 66.1 | 61.1 | 47.2 | 37.3 | 33.3 | 45.7 |
| 1973 | 29.6 | 23.8 | 42.2 | 46.0 | 52.5 | 66.2 | 69.7 | 69.6 | 62.6 | 54.8 | 42.8 | 31.7 | 49.3 |
| 1974 | 30.0 | 24.6 | 35.4 | 47.6 | 53.0 | 63.2 | 67.7 | 68.1 | 58.7 | 48.3 | 41.0 | 31.0 | 47.4 |
| 1975 | 29.9 | 28.4 | 32.1 | 38.8 | 60.3 | 67.4 | 71.8 | 69.4 | 58.5 | 52.7 | 46.6 | 30.7 | 48.9 |
| 1976 | 20.9 | 32.8 | 38.9 | 45.8 | 52.5 | 66.4 | 66.4 | 67.0 | 60.5 | 48.1 | 34.2 | 23.9 | 46.5 |
| 1977 | 12.5 | 25.0 | 40.6 | 47.8 | 58.4 | 61.9 | 70.3 | 67.1 | 62.5 | 49.4 | 43.7 | 28.3 | 47.3 |
| 1978 | 19.8 | 14.5 | 27.9 | 41.8 | 56.0 | 65.2 | 69.5 | 71.1 | 62.3 | 49.3 | 40.6 | 31.0 | 45.8 |
| 1979 | 19.5 | 14.1 | 36.5 | 42.2 | 53.9 | 63.5 | 67.6 | 69.5 | 64.3 | 53.6 | 43.7 | 34.5 | 46.9 |
| 1980 | 26.6 | 20.9 | 31.0 | 43.3 | 55.7 | 61.3 | 69.6 | 72.2 | 63.7 | 48.1 | 38.9 | 27.5 | 46.6 |
| 1981 | 19.6 | 30.3 | 33.1 | 47.4 | 53.9 | 66.0 | 72.1 | 70.6 | 61.9 | 49.7 | 41.6 | 31.4 | 48.1 |
| 1982 | 19.2 | 23.4 | 34.4 | 42.5 | 60.9 | 61.3 | 70.9 | 66.2 | 62.5 | 54.2 | 44.8 | 40.3 | 48.4 |
| 1983 | 30.6 | 31.6 | 38.5 | 45.3 | 55.0 | 67.0 | 73.0 | 72.4 | 65.7 | 54.4 | 45.2 | 25.9 | 50.4 |
| 1984 | 21.6 | 35.5 | 28.5 | 47.0 | 53.8 | 68.6 | 69.6 | 72.0 | 61.8 | 56.4 | 42.4 | 37.3 | 49.5 |
| 1985 | 21.7 | 25.9 | 37.4 | 51.4 | 59.8 | 63.4 | 70.2 | 70.7 | 66.9 | 54.6 | 46.3 | 27.2 | 49.6 |
| 1986 | 27.5 | 27.0 | 38.7 | 48.2 | 59.6 | 65.2 | 72.0 | 69.2 | 65.0 | 53.6 | 40.0 | 32.9 | 49.9 |
| 1987 | 28.0 | 27.3 | 37.5 | 48.3 | 60.5 | 69.2 | 74.6 | 70.0 | 64.5 | 48.2 | 45.1 | 35.8 | 50.8 |
| 1988 | 27.2 | 25.9 | 36.3 | 46.0 | 58.2 | 65.6 | 74.5 | 72.9 | 63.0 | 48.2 | 44.6 | 32.4 | 49.6 |
| 1989 | 33.4 | 24.8 | 35.6 | 43.1 | 56.1 | 66.4 | 71.9 | 69.4 | 63.2 | 54.8 | 41.2 | 21.7 | 48.5 |
| 1990 | 36.0 | 33.3 | 40.4 | 49.4 | 55.2 | 67.0 | 70.9 | 69.9 | 63.4 | 54.8 | 46.0 | 36.7 | 51.9 |
| 1991 | 28.1 | 32.7 | 39.0 | 51.5 | 64.8 | 70.3 | 73.2 | 72.6 | 63.8 | 55.8 | 41.3 | 34.6 | 52.3 |
| 1992 | 30.4 | 30.4 | 34.7 | 46.6 | 57.5 | 63.9 | 69.4 | 67.8 | 64.0 | 51.1 | 42.4 | 34.7 | 49.4 |
| 1993 | 32.5 | 24.1 | 31.7 | 48.1 | 57.8 | 68.4 | 75.4 | 73.4 | 61.2 | 51.1 | 41.7 | 30.5 | 49.7 |
| 1994 | 18.4 | 24.2 | 33.2 | 49.1 | 54.2 | 68.5 | 73.3 | 69.1 | 63.4 | 53.7 | 48.1 | 36.8 | 49.3 |
| 1995 | 31.4 | 24.4 | 37.8 | 43.0 | 57.5 | 70.1 | 73.7 | 74.7 | 62.1 | 55.8 | 38.1 | 27.6 | 49.7 |
| 1996 | 24.5 | 25.9 | 30.0 | 44.3 | 55.8 | 68.2 | 69.2 | 70.6 | 63.2 | 53.5 | 36.8 | 34.6 | 48.1 |
| 1997 | 25.9 | 31.9 | 36.7 | 43.6 | 50.8 | 66.9 | 69.4 | 67.5 | 62.2 | 53.3 | 39.8 | 33.9 | 48.5 |
| 1998 | 34.5 | 35.7 | 39.8 | 47.9 | 63.5 | 67.6 | 71.5 | 72.1 | 66.9 | 54.5 | 45.2 | 38.2 | 53.1 |
| 1999 | 26.5 | 34.0 | 33.2 | 47.6 | 60.2 | 69.5 | 75.7 | 68.9 | 64.7 | 52.5 | 46.5 | 35.0 | 51.2 |
| 2000 | 27.6 | 32.9 | 41.9 | 46.0 | 59.8 | 67.5 | 67.8 | 68.4 | 63.3 | 54.0 | 40.4 | 24.0 | 49.5 |
| 2001 | 27.6 | 30.6 | 32.4 | 49.0 | 59.6 | 67.0 | 70.6 | 71.9 | 61.3 | 54.3 | 49.2 | 37.5 | 50.9 |
| POR= 128 YRS | 27.1 | 26.9 | 34.6 | 45.5 | 56.7 | 66.4 | 71.3 | 69.9 | 63.9 | 53.1 | 42.0 | 31.8 | 49.1 |

HEATING DEGREE DAYS (base 65°F) 2001 ERIE, PA (ERI)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|-----|------|------|------|------|-----|-----|-----|-------|
| 1972-73 | 55 | 47 | 144 | 546 | 820 | 976 | 1090 | 1146 | 697 | 568 | 379 | 40 | 6508 |
| 1973-74 | 9 | 18 | 141 | 309 | 658 | 1022 | 1077 | 1128 | 915 | 521 | 373 | 101 | 6272 |
| 1974-75 | 32 | 9 | 204 | 511 | 713 | 1046 | 1081 | 1016 | 1013 | 781 | 203 | 51 | 6660 |
| 1975-76 | 3 | 14 | 197 | 381 | 546 | 1057 | 1361 | 931 | 804 | 580 | 386 | 51 | 6311 |
| 1976-77 | 28 | 42 | 163 | 519 | 920 | 1269 | 1620 | 1116 | 751 | 519 | 249 | 126 | 7322 |
| 1977-78 | 9 | 51 | 110 | 477 | 636 | 1131 | 1395 | 1408 | 1143 | 688 | 303 | 84 | 7435 |
| 1978-79 | 15 | 2 | 125 | 481 | 723 | 1046 | 1406 | 1424 | 874 | 678 | 369 | 106 | 7249 |
| 1979-80 | 36 | 17 | 84 | 378 | 634 | 939 | 1188 | 1275 | 1045 | 644 | 299 | 161 | 6700 |
| 1980-81 | 12 | 2 | 108 | 520 | 775 | 1156 | 1400 | 967 | 982 | 523 | 345 | 42 | 6832 |
| 1981-82 | 3 | 6 | 153 | 467 | 694 | 1034 | 1413 | 1159 | 942 | 672 | 158 | 123 | 6824 |
| 1982-83 | 11 | 47 | 126 | 336 | 605 | 762 | 1062 | 933 | 814 | 585 | 312 | 67 | 5660 |
| 1983-84 | 10 | 0 | 89 | 336 | 591 | 1207 | 1338 | 847 | 1123 | 539 | 360 | 25 | 6465 |
| 1984-85 | 11 | 5 | 141 | 262 | 673 | 853 | 1337 | 1088 | 846 | 423 | 202 | 87 | 5928 |
| 1985-86 | 5 | 3 | 75 | 316 | 558 | 1164 | 1152 | 1056 | 811 | 502 | 207 | 74 | 5923 |
| 1986-87 | 5 | 32 | 84 | 350 | 742 | 989 | 1138 | 1048 | 844 | 495 | 225 | 31 | 5983 |
| 1987-88 | 0 | 21 | 67 | 513 | 592 | 902 | 1166 | 1128 | 883 | 565 | 236 | 96 | 6169 |
| 1988-89 | 5 | 10 | 102 | 528 | 605 | 1006 | 972 | 1121 | 905 | 651 | 301 | 45 | 6251 |
| 1989-90 | 2 | 16 | 128 | 320 | 706 | 1335 | 892 | 879 | 773 | 500 | 309 | 58 | 5918 |
| 1990-91 | 9 | 0 | 113 | 323 | 564 | 866 | 1137 | 898 | 800 | 412 | 148 | 15 | 5285 |
| 1991-92 | 0 | 0 | 130 | 304 | 704 | 934 | 1065 | 996 | 934 | 556 | 258 | 94 | 5975 |
| 1992-93 | 5 | 23 | 110 | 423 | 673 | 928 | 1002 | 1137 | 1025 | 507 | 227 | 51 | 6111 |
| 1993-94 | 0 | 0 | 162 | 430 | 692 | 1061 | 1438 | 1137 | 979 | 480 | 346 | 61 | 6786 |
| 1994-95 | 0 | 12 | 90 | 344 | 503 | 868 | 1034 | 1130 | 835 | 654 | 237 | 28 | 5735 |
| 1995-96 | 14 | 0 | 127 | 285 | 803 | 1153 | 1245 | 1126 | 1079 | 614 | 321 | 19 | 6786 |
| 1996-97 | 10 | 0 | 109 | 353 | 840 | 934 | 1206 | 920 | 870 | 638 | 430 | 57 | 6367 |
| 1997-98 | 16 | 20 | 111 | 389 | 750 | 957 | 940 | 813 | 794 | 506 | 107 | 82 | 5485 |
| 1998-99 | 0 | 4 | 47 | 323 | 585 | 824 | 1186 | 860 | 980 | 516 | 187 | 52 | 5564 |
| 1999-00 | 0 | 5 | 89 | 380 | 549 | 925 | 1153 | 926 | 710 | 565 | 206 | 64 | 5572 |
| 2000-01 | 23 | 19 | 137 | 342 | 729 | 1261 | 1152 | 956 | 1004 | 486 | 185 | 68 | 6362 |
| 2001- | 12 | 1 | 155 | 337 | 469 | 844 | | | | | | | |

WBAN : 14860

COOLING DEGREE DAYS (base 65°F) 2001 ERIE, PA (ERI)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 1972 | 0 | 0 | 0 | 0 | 2 | 32 | 165 | 88 | 35 | 0 | 0 | 0 | 322 |
| 1973 | 0 | 0 | 0 | 6 | 0 | 84 | 163 | 167 | 76 | 1 | 0 | 0 | 497 |
| 1974 | 0 | 0 | 0 | 5 | 9 | 55 | 120 | 114 | 23 | 0 | 0 | 0 | 326 |
| 1975 | 0 | 0 | 0 | 0 | 64 | 132 | 221 | 156 | 9 | 6 | 0 | 0 | 588 |
| 1976 | 0 | 0 | 0 | 10 | 5 | 98 | 81 | 110 | 33 | 2 | 0 | 0 | 339 |
| 1977 | 0 | 0 | 2 | 9 | 52 | 42 | 179 | 121 | 44 | 0 | 1 | 0 | 450 |
| 1978 | 0 | 0 | 0 | 0 | 32 | 94 | 162 | 198 | 48 | 0 | 0 | 0 | 534 |
| 1979 | 0 | 0 | 0 | 3 | 29 | 69 | 125 | 163 | 71 | 32 | 0 | 0 | 492 |
| 1980 | 0 | 0 | 0 | 0 | 20 | 56 | 162 | 234 | 75 | 4 | 0 | 0 | 551 |
| 1981 | 0 | 0 | 0 | 2 | 8 | 81 | 230 | 187 | 65 | 0 | 0 | 0 | 573 |
| 1982 | 0 | 0 | 0 | 4 | 35 | 19 | 201 | 90 | 59 | 8 | 5 | 4 | 425 |
| 1983 | 0 | 0 | 0 | 0 | 7 | 135 | 261 | 235 | 117 | 15 | 0 | 0 | 770 |
| 1984 | 0 | 0 | 0 | 7 | 18 | 145 | 161 | 227 | 52 | 3 | 0 | 0 | 613 |
| 1985 | 0 | 0 | 0 | 21 | 45 | 45 | 172 | 187 | 140 | 4 | 3 | 0 | 617 |
| 1986 | 0 | 0 | 2 | 6 | 46 | 86 | 228 | 169 | 88 | 3 | 0 | 0 | 628 |
| 1987 | 0 | 0 | 0 | 0 | 92 | 164 | 304 | 182 | 61 | 0 | 2 | 0 | 805 |
| 1988 | 0 | 0 | 0 | 0 | 29 | 119 | 305 | 263 | 52 | 10 | 0 | 0 | 778 |
| 1989 | 0 | 0 | 0 | 0 | 35 | 94 | 225 | 159 | 80 | 7 | 0 | 0 | 600 |
| 1990 | 0 | 0 | 16 | 40 | 13 | 123 | 198 | 159 | 73 | 13 | 2 | 0 | 637 |
| 1991 | 0 | 0 | 0 | 14 | 148 | 181 | 259 | 244 | 102 | 25 | 0 | 0 | 973 |
| 1992 | 0 | 0 | 0 | 9 | 30 | 70 | 148 | 117 | 85 | 0 | 0 | 0 | 459 |
| 1993 | 0 | 0 | 0 | 4 | 13 | 161 | 331 | 269 | 55 | 7 | 0 | 0 | 840 |
| 1994 | 0 | 0 | 0 | 9 | 18 | 170 | 266 | 147 | 48 | 3 | 0 | 0 | 661 |
| 1995 | 0 | 0 | 0 | 0 | 8 | 189 | 287 | 308 | 45 | 6 | 0 | 0 | 843 |
| 1996 | 0 | 0 | 0 | 0 | 43 | 122 | 148 | 181 | 61 | 3 | 0 | 0 | 558 |
| 1997 | 0 | 0 | 0 | 0 | 0 | 119 | 157 | 107 | 30 | 33 | 0 | 0 | 446 |
| 1998 | 0 | 0 | 23 | 0 | 70 | 167 | 208 | 232 | 108 | 5 | 0 | 0 | 813 |
| 1999 | 0 | 0 | 0 | 0 | 42 | 195 | 341 | 132 | 87 | 2 | 0 | 0 | 799 |
| 2000 | 0 | 0 | 1 | 0 | 56 | 147 | 118 | 128 | 91 | 6 | 0 | 0 | 547 |
| 2001 | 0 | 0 | 0 | 13 | 24 | 135 | 194 | 224 | 52 | 11 | 0 | 0 | 653 |

SNOWFALL (inches) 2001 ERIE, PA (ERI)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|----------------|-----|-----|-----|-----|------|------|------|------|------|------|-----|-----|-------|
| 1972-73 | 0.0 | 0.0 | 0.0 | 0.6 | 6.6 | 18.5 | 7.9 | 12.6 | 5.7 | 1.8 | T | 0.0 | 53.7 |
| 1973-74 | 0.0 | 0.0 | 0.0 | T | 0.4 | 10.8 | 21.2 | 17.9 | 13.2 | 5.1 | T | 0.0 | 68.6 |
| 1974-75 | 0.0 | 0.0 | 0.0 | 2.3 | 2.9 | 20.1 | 17.7 | 12.6 | 10.0 | 1.1 | 0.0 | 0.0 | 66.7 |
| 1975-76 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 24.7 | 24.8 | 6.8 | 7.5 | 0.1 | T | 0.0 | 66.0 |
| 1976-77 | 0.0 | 0.0 | 0.0 | 3.1 | 33.9 | 27.6 | 29.0 | 13.0 | 4.5 | 0.4 | 0.0 | 0.0 | 111.5 |
| 1977-78 | 0.0 | 0.0 | 0.0 | 0.0 | 13.1 | 51.0 | 62.4 | 12.6 | 3.6 | 0.1 | 0.0 | 0.0 | 142.8 |
| 1978-79 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 10.6 | 33.4 | 27.8 | 2.2 | 0.7 | 0.0 | 0.0 | 76.5 |
| 1979-80 | 0.0 | 0.0 | 0.0 | 0.1 | 22.2 | 4.8 | 9.2 | 12.2 | 6.7 | T | 0.0 | 0.0 | 55.2 |
| 1980-81 | 0.0 | 0.0 | 0.0 | T | 4.9 | 21.0 | 27.9 | 22.5 | 13.1 | T | 0.0 | 0.0 | 89.4 |
| 1981-82 | 0.0 | 0.0 | 0.0 | T | 0.4 | 17.3 | 27.1 | 9.0 | 7.3 | 10.2 | 0.0 | 0.0 | 71.3 |
| 1982-83 | 0.0 | 0.0 | 0.0 | T | 9.2 | 8.9 | 6.7 | 9.2 | 5.6 | 1.6 | 0.0 | 0.0 | 41.2 |
| 1983-84 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 41.1 | 18.7 | 27.2 | 21.6 | T | 0.0 | 0.0 | 110.0 |
| 1984-85 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 16.7 | 57.2 | 19.0 | 3.5 | 5.2 | 0.0 | 0.0 | 106.3 |
| 1985-86 | 0.0 | 0.0 | 0.0 | 0.0 | 1.9 | 59.9 | 30.6 | 22.9 | 4.2 | 5.4 | 0.0 | 0.0 | 124.9 |
| 1986-87 | 0.0 | 0.0 | 0.0 | 0.0 | 4.6 | 8.0 | 31.3 | 10.1 | 11.6 | 2.6 | 0.0 | 0.0 | 68.2 |
| 1987-88 | 0.0 | 0.0 | 0.0 | T | T | 24.3 | 30.8 | 31.2 | 16.8 | 0.4 | 0.0 | 0.0 | 103.5 |
| 1988-89 | 0.0 | 0.0 | 0.0 | 1.8 | 0.5 | 28.1 | 10.2 | 21.5 | 10.5 | 3.5 | 0.4 | 0.0 | 76.5 |
| 1989-90 | 0.0 | 0.0 | 0.0 | T | 19.6 | 66.9 | 13.7 | 8.3 | 2.3 | 4.1 | 0.0 | T | 114.9 |
| 1990-91 | 0.0 | T | T | T | 2.0 | 15.4 | 24.3 | 15.4 | 2.1 | 0.4 | 0.0 | 0.0 | 59.6 |
| 1991-92 | 0.0 | 0.0 | 0.0 | T | 13.7 | 30.0 | 32.6 | 8.0 | 12.8 | 7.7 | 0.0 | 0.0 | 104.8 |
| 1992-93 | 0.0 | T | 0.0 | T | 23.0 | 15.6 | 10.0 | 31.7 | 27.3 | 0.9 | 0.0 | 0.0 | 108.5 |
| 1993-94 | 0.0 | 0.0 | T | 0.3 | 3.5 | 25.7 | 46.9 | 27.8 | 22.2 | 4.9 | 0.0 | 0.0 | 131.3 |
| 1994-95 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 1.0 | 27.0 | 15.3 | 5.2 | 4.1 | 0.0 | 0.0 | 53.7 |
| 1995-96 | 0.0 | 0.0 | 0.0 | 0.0 | 20.4 | 39.6 | 23.3 | 11.8 | 31.8 | | | | |
| 1996-97 | | | | | | | | | | | | | |
| 1997-98 | | | | | | | 9.8 | 0.7 | 16.6 | 0.0 | 0.0 | 0.0 | |
| 1998-99 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 28.3 | 57.9 | 9.7 | 14.8 | T | 0.0 | 0.0 | 111.1 |
| 1999-00 | T | 0.0 | 0.0 | T | 0.6 | 29.7 | 24.3 | 10.7 | 6.5 | 0.7 | 0.0 | 0.0 | 72.5 |
| 2000-01 | 0.0 | 0.0 | 0.0 | T | 42.2 | 49.7 | 16.3 | 8.5 | 28.9 | 3.5 | 0.0 | 0.0 | 149.1 |
| 2001- | 0.0 | 0.0 | 0.0 | 2.4 | T | 37.1 | | | | | | | |
| POR= 45 YRS | 0.0 | T | T | 0.3 | 10.4 | 23.9 | 23.3 | 15.1 | 11.3 | 2.5 | 0.0 | T | 86.8 |

WBAN : 14860

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 EIGHTS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.</p> |
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2001
ERIE,
PENNSYLVANIA (ERI)

Erie is located on the southeast shore of Lake Erie and observations are made at Erie International Airport, which is 6 miles southwest of the center of the city and about 1 mile from the lake shore. The terrain rises gradually in a series of ridges paralleling the shoreline to 500 feet above the lake level 3 to 4 miles inland and to 1,000 feet about 15 miles inland. Snowfall from instability showers moving southward off the lake usually increases due to the upslope terrain. Snowfall is somewhat higher south of the city than along the lake shore.

During the winter months, the many cold air masses moving south from Canada are modified by the relatively warm waters of Lake Erie. However, the temperature difference between air and water produces an excess of cloudiness and frequent snow from November through March.

Spring weather is quite variable in Erie, but generally cloudy and cool. Proximity to the lake frequently prevents killing frosts that occur

inland. This has led to the establishment of numerous vineyards and orchards in a narrow belt along the shore. Summer heat waves are tempered by cool lake breezes that may reach several miles inland, and days with temperatures above 90 degrees are infrequent. Summer thunderstorms are usually less destructive in Erie than inland areas because of the stabilizing effects of Lake Erie.

Autumn, with long dry periods and an abundance of sunshine, is usually the most pleasant period of the year in Erie. The growing season is extended by the influence of the warmer waters of the lake. Precipitation is well distributed throughout the year, although the number of days with measurable amounts varies considerably from a low average of about one day in three for the period June through September to about one-half of the days from November through March, when snow flurries and squalls move in from the lake.

STATION LOCATION

ERIE, PENNSYLVANIA

| LOCATION | Occupied From | Occupied To | Airline Distances and Directions from previous Location | LATITUDE NORTH | LONGITUDE WEST | ELEVATION ABOVE | | | | | | | | | | AUTOMATIC OBSERVING EQUIPMENT * | * TYPE | REMARKS |
|---|---------------|-------------|---|----------------|----------------|-----------------|-------------|-----------------|----------------------|--------------|-----------------|----------------|------------|----------------|-------------------|---------------------------------|--------|--|
| | | | | | | SEA LEVEL | | GROUND | | | | | | | | | | |
| | | | | | | GROUND | TEMPERATURE | WIND INSTRUMENT | EXTREME THERMOMETERS | PSYCHROMETER | SUNSHINE SWITCH | TIPPING BUCKET | RAIN GAUGE | WINDHOLE GAUGE | 8 INCH RAIN GAUGE | | | |
| *NOTE: | | | | | | | | | | | | | | | | | | |
| <u>AIRPORT</u> | | | | | | | | | | | | | | | | | | |
| Port Erie Airport South end Terminal Bldg | 1 0/16/29 | 1/31/60 | NA | 42°05' | 80°11' | 732 | 62 c30 | 5 | 5 | | | | | | d4 | 3 | | CAA to 10/20/55. c. Effective 9/1/53. d. Installed 9/1/53. |
| New Terminal Building Port Erie Airport + 4411 West 12th Street 5 mi. SW of Erie P.O. | 2/1/60 | 12/16/83 | 800 ft. ENE | 42°05' | 80°11' | 732 g731 | 55 e20 | 25 j k10 | 25 35 | | | | | 4 h32 | 4 h32 | f4 | | e. Effective 9/28/65. f. Commissioned 100' S of thermometer site 12/10/65. g. Effective 12/10/65. h. Moved to roof 10/30/73. i. Minor move 11/19/73. j. Removed 6/1981. k. Effective 6/1981. |
| + Erie International AP (Effective 1/1/68) | | | | | | | | | | | | | | | | | | |
| NWS Office Erie International AP | 12/16/83 | 10/01/95 | 400 ft. NW | 42°05' | 80°11' | 731 | m20 | 5 | 5 | | | | | 3 | 3 | m10 n6 | | m. Not moved 12/16/83. n. Minor move & type change 11/2/84. |
| Terminal Building | 10/01/95 | Present | NA | 42°05' | 80°11' | o753 | | | | | | | | | | | S | ASOS Commissioned 10/01/95 o. Ground Elevation |

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* NOTES: For earlier station history see previous editions.