

1999

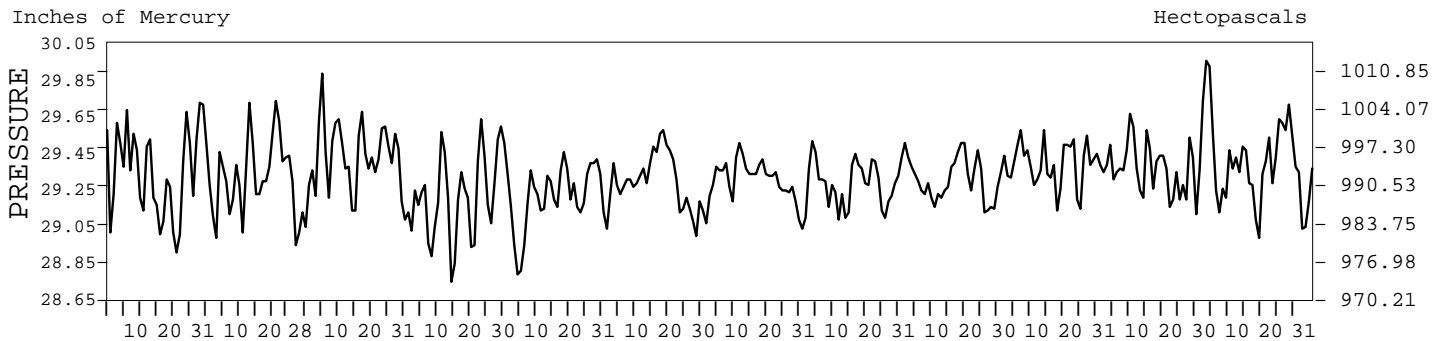
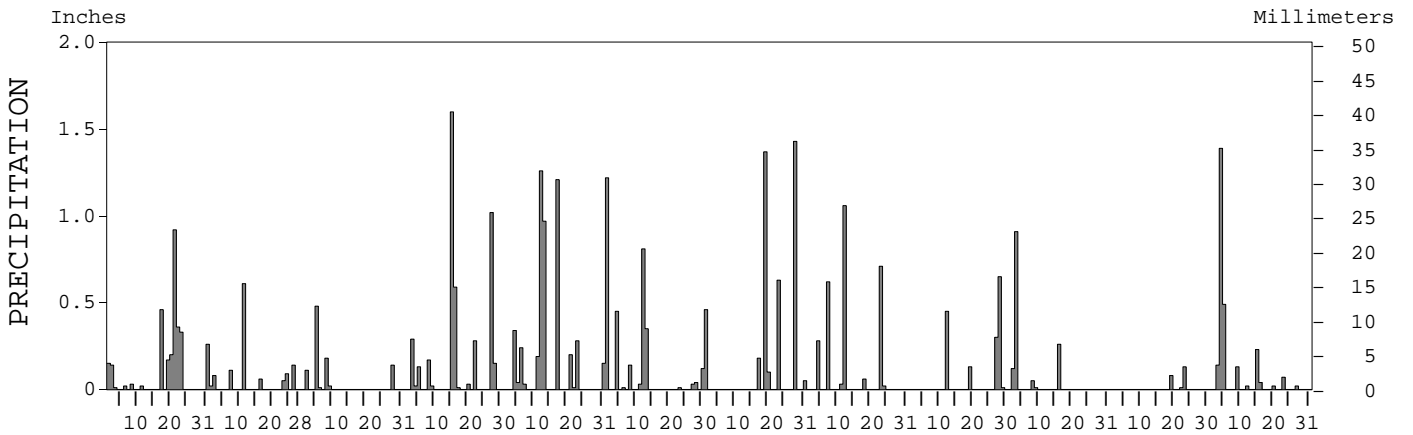
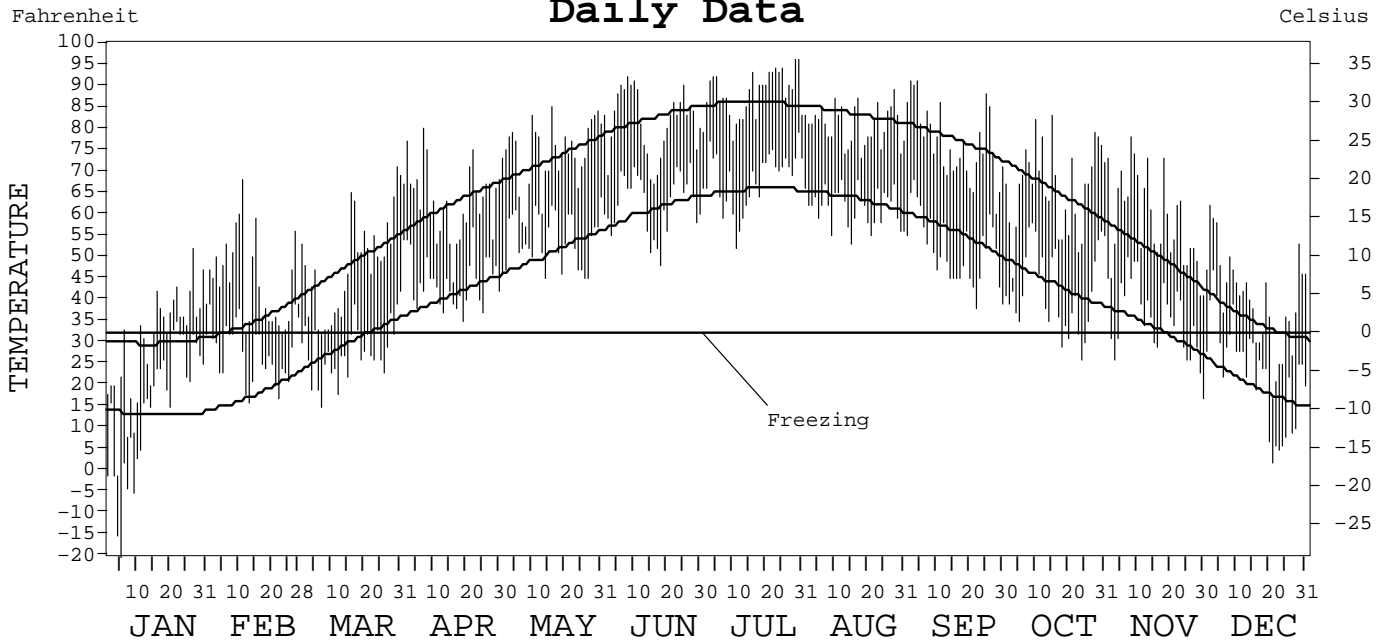
LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0198-1889

PEORIA,
ILLINOIS (PIA)

Daily Data



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Thomas R. Karl

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

METEOROLOGICAL DATA FOR 1999

PEORIA, IL (PIA)

LATITUDE: 40° 40' 03" N LONGITUDE: 89° 41' 02" W ELEVATION (FT): GRND: 673 BARO: 673 TIME ZONE: CENTRAL (UTC + 6) WBAN: 14842

| ELEMENT | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR | |
|----------------------|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-----------|----|
| TEMPERATURE °F | MEAN DAILY MAXIMUM | 30.1 | 44.4 | 48.2 | 63.2 | 74.0 | 81.4 | 88.1 | 80.8 | 76.5 | 66.4 | 58.6 | 40.0 | 62.6 | |
| | HIGHEST DAILY MAXIMUM | 52 | 68 | 71 | 80 | 85 | 92 | 96 | 89 | 91 | 83 | 78 | 62 | 96 | |
| | DATE OF OCCURRENCE | 27 | 11 | 30 | 07 | 16 | 08 | 30+ | 28 | 04+ | 15 | 08 | 02 | JUL 30+ | |
| | MEAN DAILY MINIMUM | 15.6 | 27.7 | 28.2 | 44.2 | 53.8 | 62.5 | 68.0 | 61.5 | 51.7 | 42.4 | 35.7 | 23.0 | 42.9 | |
| | LOWEST DAILY MINIMUM | -20 | 16 | 15 | 35 | 45 | 48 | 52 | 53 | 38 | 26 | 17 | 2 | -20 | |
| | DATE OF OCCURRENCE | 05 | 13 | 07 | 19 | 27+ | 18 | 11 | 15 | 22 | 24 | 30 | 21 | JAN 05 | |
| | AVERAGE DRY BULB | 22.9 | 36.1 | 38.2 | 53.7 | 63.9 | 72.0 | 78.1 | 71.2 | 64.1 | 54.4 | 47.2 | 31.5 | 52.8 | |
| | MEAN WET BULB | 21.9 | 33.5 | 33.7 | 49.5 | 57.5 | 65.5 | 72.1 | 65.7 | 56.7 | 47.5 | 41.1 | 29.6 | 47.9 | |
| | MEAN DEW POINT | 18.2 | 29.0 | 26.6 | 44.8 | 52.1 | 61.5 | 69.0 | 62.3 | 51.0 | 40.3 | 32.9 | 25.1 | 42.7 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | MAXIMUM ≥ 90° | 0 | 0 | 0 | 0 | 0 | 5 | 15 | 0 | 3 | 0 | 0 | 0 | 0 | 23 |
| | MAXIMUM ≤ 32° | 14 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 25 | |
| | MINIMUM ≤ 32° | 29 | 22 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 11 | 27 | 117 | |
| | MINIMUM ≤ 0° | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | |
| H/C | HEATING DEGREE DAYS | 1300 | 806 | 823 | 333 | 91 | 18 | 0 | 102 | 330 | 529 | 1031 | 5363 | | |
| | COOLING DEGREE DAYS | 0 | 0 | 0 | 2 | 68 | 233 | 414 | 197 | 82 | 8 | 0 | 1004 | | |
| RH | MEAN (PERCENT) | 81 | 77 | 66 | 73 | 68 | 72 | 74 | 75 | 67 | 63 | 61 | 77 | 71 | |
| | HOUR 00 LST | 83 | 82 | 72 | 78 | 79 | 81 | 85 | 85 | 78 | 70 | 68 | 81 | 78 | |
| | HOUR 06 LST | 84 | 84 | 80 | 86 | 80 | 84 | 90 | 88 | 87 | 81 | 78 | 81 | 84 | |
| | HOUR 12 LST | 78 | 70 | 54 | 67 | 57 | 59 | 61 | 62 | 49 | 50 | 47 | 71 | 60 | |
| | HOUR 18 LST | 81 | 72 | 56 | 64 | 58 | 64 | 61 | 65 | 56 | 55 | 51 | 75 | 63 | |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | |
| W/O | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG (VISBY ≤ 1/4 MI) | 5 | 4 | 1 | 0 | 1 | 0 | 2 | 1 | 0 | 3 | 2 | 4 | 23 | |
| | THUNDERSTORMS | 2 | 2 | 0 | 5 | 6 | 10 | 6 | 3 | 4 | 2 | 0 | 0 | 40 | |
| 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.) | 29.36 | 29.32 | 29.42 | 29.21 | 29.22 | 29.30 | 29.30 | 29.30 | 29.30 | 29.40 | 29.41 | 29.36 | 29.33 | |
| | MEAN SEA-LEVEL PRESS. (IN.) | 30.10 | 30.05 | 30.15 | 29.92 | 29.93 | 29.99 | 29.99 | 30.00 | 30.01 | | 30.14 | 30.10 | | |
| WINDS | RESULTANT SPEED (MPH) | 0.6 | 3.0 | 0.8 | 2.1 | 0.9 | 1.6 | 3.0 | 0.5 | 1.1 | 2.1 | 2.9 | 2.4 | 1.2 | |
| | RES. DIR. (TENS OF DEGS.) | 07 | 21 | 08 | 12 | 19 | 17 | 24 | 12 | 25 | 21 | 22 | 22 | 20 | |
| | MEAN SPEED (MPH) | 10.0 | 10.0 | 8.5 | 10.5 | 8.5 | 6.4 | 6.5 | 3.8 | 6.0 | 7.5 | 8.0 | 8.2 | 7.8 | |
| | PREVAIL. DIR. (TENS OF DEGS.) | 08 | 18 | 05 | 05 | 19 | 18 | 20 | 09 | 34 | 19 | 20 | 18 | 19 | |
| | MAXIMUM 2-MINUTE WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 31 | 39 | 29 | 33 | 29 | 32 | 24 | 26 | 29 | 26 | 29 | 24 | 39 | |
| | DIR. (TENS OF DEGS.) | 27 | 27 | 26 | 24 | 31 | 24 | 31 | 17 | 26 | 19 | 24 | 29 | 27 | |
| | DATE OF OCCURRENCE | 18 | 11 | 17 | 06+ | 17+ | 11 | 28+ | 12 | 09 | 15 | 23+ | 20 | FEB 11 | |
| | MAXIMUM 5-SECOND WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 40 | 49 | 38 | 44 | 40 | 40 | 36 | 34 | 37 | 33 | 39 | 33 | 49 | |
| DIR. (TENS OF DEGS.) | 28 | 27 | 26 | 19 | 28 | 22 | 01 | 17 | 26 | 30 | 23 | 31 | 27 | | |
| DATE OF OCCURRENCE | 18 | 11 | 17 | 03 | 17 | 11+ | 23 | 12 | 09 | 22 | 23 | 26 | FEB 11 | | |
| PRECIPITATION | WATER EQUIVALENT: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 3.07 | 1.16 | 0.94 | 4.31 | 4.92 | 3.21 | 4.22 | 2.78 | 1.54 | 1.35 | 0.22 | 2.55 | 30.27 | |
| | GREATEST 24-HOUR (IN.) | 1.27 | 0.61 | 0.49 | 1.79 | 1.72 | 1.22 | 1.43 | 1.09 | 0.65 | 0.91 | 0.14 | 1.82 | 1.82 | |
| | DATE OF OCCURRENCE | 21-22 | 11 | 05-06 | 15-16 | 12-13 | 01 | 28 | 11-12 | 28 | 03 | 22-23 | 04-05 | DEC 04-05 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | PRECIPITATION ≥ 0.01 | 13 | 8 | 6 | 12 | 12 | 11 | 7 | 7 | 5 | 5 | 3 | 10 | 99 | |
| PRECIPITATION ≥ 0.10 | 9 | 3 | 4 | 8 | 9 | 6 | 6 | 4 | 4 | 3 | 1 | 5 | 62 | | |
| PRECIPITATION ≥ 1.00 | 0 | 0 | 0 | 2 | 2 | 1 | 2 | 1 | 0 | 0 | 0 | 1 | 9 | | |
| SNOWFALL | SNOW, ICE PELLETS, HAIL: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 18.1 | 1.0 | 6.9 | T | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 30.7 | |
| | GREATEST 24-HOUR (IN.) | 8.7 | 0.5 | 5.9 | T | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 8.7 | |
| | DATE OF OCCURRENCE | 02 | 24+ | 08 | 17+ | 12 | | | | | | | 23 | JAN 02 | |
| | MAXIMUM SNOW DEPTH (IN.) | 16 | 1 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 16 | |
| | DATE OF OCCURRENCE | 03 | 24+ | 08 | | | | | | | | | 25+ | JAN 03 | |
| NUMBER OF DAYS WITH: | | | | | | | | | | | | | | | |
| SNOWFALL ≥ 1.0 | 4 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | | |

NORMALS, MEANS, AND EXTREMES

PEORIA, IL (PIA)

LATITUDE: 40° 40' 03" N LONGITUDE: 89° 41' 02" W ELEVATION (FT): GRND: 673 BARO: 673 TIME ZONE: CENTRAL (UTC + 6) WBAN: 14842

| ELEMENT | | POR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR |
|----------------------|-----------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------|
| TEMPERATURE °F | NORMAL DAILY MAXIMUM | 30 | 29.9 | 34.9 | 48.1 | 62.0 | 72.8 | 82.2 | 85.7 | 83.1 | 76.9 | 64.8 | 49.8 | 34.6 | 60.4 |
| | MEAN DAILY MAXIMUM | 94 | 32.1 | 36.2 | 48.2 | 61.5 | 72.5 | 82.2 | 86.4 | 84.4 | 77.2 | 65.2 | 49.2 | 36.1 | 60.9 |
| | HIGHEST DAILY MAXIMUM | 60 | 70 | 72 | 86 | 92 | 93 | 105 | 103 | 103 | 100 | 90 | 81 | 71 | 105 |
| | YEAR OF OCCURRENCE | | 1989 | 1976 | 1986 | 1986 | 1987 | 1988 | 1940 | 1988 | 1953 | 1963 | 1950 | 1982 | JUN 1988 |
| | MEAN OF EXTREME MAXS. | 94 | 52.9 | 57.8 | 73.0 | 81.9 | 88.2 | 94.3 | 96.6 | 94.9 | 91.4 | 83.0 | 70.3 | 57.4 | 78.5 |
| | NORMAL DAILY MINIMUM | 30 | 13.2 | 17.7 | 29.8 | 40.8 | 50.9 | 60.7 | 65.4 | 63.1 | 55.2 | 43.1 | 32.5 | 19.3 | 41.0 |
| | MEAN DAILY MINIMUM | 94 | 15.9 | 19.7 | 29.4 | 40.6 | 50.9 | 60.5 | 64.8 | 63.0 | 55.1 | 43.4 | 31.6 | 20.9 | 41.3 |
| | LOWEST DAILY MINIMUM | 60 | -25 | -19 | -10 | 14 | 25 | 39 | 47 | 41 | 26 | 19 | -2 | -23 | -25 |
| | YEAR OF OCCURRENCE | | 1977 | 1996 | 1960 | 1982 | 1966 | 1993 | 1972 | 1986 | 1942 | 1972 | 1977 | 1989 | JAN 1977 |
| | MEAN OF EXTREME MINS. | 94 | -7.1 | -1.8 | 10.7 | 25.4 | 35.6 | 46.6 | 53.3 | 50.3 | 38.4 | 27.1 | 14.0 | -1.5 | 24.2 |
| | NORMAL DRY BULB | 30 | 21.6 | 26.3 | 39.0 | 51.4 | 61.9 | 71.5 | 75.5 | 73.1 | 66.1 | 54.0 | 41.2 | 27.0 | 50.7 |
| | MEAN DRY BULB | 94 | 24.0 | 27.9 | 38.7 | 51.1 | 61.8 | 71.3 | 75.6 | 73.7 | 66.1 | 54.3 | 40.4 | 28.5 | 51.1 |
| | MEAN WET BULB | 16 | 23.2 | 27.5 | 36.0 | 46.0 | 56.2 | 64.8 | 68.9 | 67.2 | 59.2 | 48.3 | 37.1 | 27.3 | 46.8 |
| | MEAN DEW POINT | 16 | 19.0 | 22.7 | 29.9 | 39.4 | 50.5 | 60.4 | 65.3 | 63.9 | 54.8 | 42.9 | 32.2 | 23.2 | 42.0 |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| MAXIMUM ≥ 90° | 30 | 0.0 | 0.0 | 0.0 | 0.1 | 0.5 | 4.7 | 8.4 | 5.2 | 1.6 | * | 0.0 | 0.0 | 20.5 | |
| MAXIMUM ≤ 32° | 30 | 17.4 | 11.7 | 3.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 12.6 | 46.6 | |
| MINIMUM ≤ 32° | 30 | 29.4 | 25.3 | 19.5 | 5.9 | 0.4 | 0.0 | 0.0 | 0.0 | 0.1 | 4.7 | 16.7 | 26.7 | 128.7 | |
| MINIMUM ≤ 0° | 30 | 6.7 | 3.4 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 2.9 | 13.2 | |
| H/C | NORMAL HEATING DEG. DAYS | 30 | 1345 | 1084 | 806 | 408 | 183 | 11 | 0 | 9 | 54 | 356 | 714 | 1178 | 6148 |
| | NORMAL COOLING DEG. DAYS | 30 | 0 | 0 | 0 | 0 | 87 | 206 | 326 | 261 | 87 | 15 | 0 | 0 | 982 |
| RH | NORMAL (PERCENT) | 30 | 74 | 74 | 70 | 65 | 66 | 67 | 72 | 74 | 73 | 70 | 74 | 78 | 71 |
| | HOUR 00 LST | 30 | 77 | 78 | 76 | 71 | 74 | 76 | 82 | 84 | 82 | 78 | 79 | 81 | 78 |
| | HOUR 06 LST | 30 | 79 | 80 | 81 | 78 | 80 | 81 | 86 | 89 | 88 | 85 | 83 | 83 | 83 |
| | HOUR 12 LST | 30 | 68 | 66 | 62 | 55 | 56 | 56 | 59 | 60 | 59 | 58 | 66 | 72 | 61 |
| | HOUR 18 LST | 30 | 72 | 70 | 64 | 55 | 55 | 56 | 60 | 63 | 64 | 63 | 71 | 76 | 64 |
| S | PERCENT POSSIBLE SUNSHINE | 52 | 47 | 50 | 51 | 55 | 60 | 67 | 69 | 67 | 64 | 61 | 43 | 42 | 56 |
| W/O | MEAN NO. DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG (VISBY ≤ 1/4 MI) | 57 | 3.2 | 2.8 | 2.2 | 0.9 | 0.9 | 0.6 | 1.0 | 1.4 | 1.4 | 1.6 | 2.0 | 3.2 | 21.2 |
| | THUNDERSTORMS | 57 | 0.5 | 0.6 | 2.6 | 4.9 | 6.8 | 8.3 | 7.6 | 6.4 | 4.8 | 2.5 | 1.4 | 0.6 | 47.0 |
| CLOUDINESS | MEAN: | | | | | | | | | | | | | | |
| | SUNRISE-SUNSET (OKTAS) | 1 | | | | | | 5.6 | | | | | | 7.2 | |
| | MIDNIGHT-MIDNIGHT (OKTAS) | | | | | | | | | | | | | | |
| | MEAN NO. DAYS WITH: | | | | | | | | | | | | | | |
| CLEAR | 1 | | 1.0 | 5.0 | | 5.0 | 9.0 | | | | | | | | |
| PARTLY CLOUDY | 1 | 1.0 | | 3.0 | | 1.0 | 4.0 | | | | | | | | |
| CLOUDY | 1 | 5.0 | 6.0 | 10.0 | | 11.0 | 9.0 | | | | | | | | |
| PR | MEAN STATION PRESSURE (IN) | 27 | 29.40 | 29.39 | 29.30 | 29.30 | 29.29 | 29.29 | 29.30 | 29.30 | 29.30 | 29.40 | 29.31 | 29.40 | 29.33 |
| | MEAN SEA-LEVEL PRES. (IN) | 16 | 30.12 | 30.11 | 30.06 | 29.96 | 29.96 | 29.96 | 29.99 | 30.03 | 30.05 | 30.07 | 30.08 | 30.14 | 30.04 |
| WINDS | MEAN SPEED (MPH) | 43 | 11.0 | 10.8 | 11.9 | 11.5 | 9.6 | 8.5 | 7.6 | 7.2 | 8.0 | 9.3 | 10.6 | 10.3 | 9.7 |
| | PREVAIL. DIR (TENS OF DEGS) | 31 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| | MAXIMUM 2-MINUTE: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 4 | 38 | 39 | 54 | 45 | 32 | 33 | 30 | 36 | 34 | 44 | 44 | 33 | 54 |
| | DIR. (TENS OF DEGS) | | 23 | 27 | 23 | 24 | 23 | 29 | 24 | 20 | 28 | 27 | 23 | 22 | 23 |
| | YEAR OF OCCURRENCE | | 1996 | 1999 | 1998 | 1997 | 1996 | 1998 | 1997 | 1997 | 1997 | 1996 | 1998 | 1998 | MAR 1998 |
| | MAXIMUM 5-SECOND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 4 | 47 | 49 | 64 | 56 | 40 | 47 | 41 | 46 | 43 | 60 | 58 | 38 | 64 |
| DIR. (TENS OF DEGS) | | 27 | 27 | 20 | 24 | 28 | 03 | 22 | 21 | 27 | 23 | 24 | 22 | 20 | |
| YEAR OF OCCURRENCE | | 1996 | 1999 | 1998 | 1997 | 1999 | 1998 | 1997 | 1997 | 1997 | 1996 | 1998 | 1998 | MAR 1998 | |
| PRECIPITATION | NORMAL (IN) | 30 | 1.51 | 1.42 | 2.91 | 3.77 | 3.70 | 3.99 | 4.20 | 3.10 | 3.87 | 2.65 | 2.69 | 2.44 | 36.25 |
| | MAXIMUM MONTHLY (IN) | 60 | 8.11 | 5.37 | 6.95 | 8.66 | 10.19 | 11.69 | 10.15 | 8.61 | 13.09 | 10.80 | 7.62 | 6.34 | 13.09 |
| | YEAR OF OCCURRENCE | | 1965 | 1997 | 1973 | 1947 | 1995 | 1974 | 1993 | 1965 | 1961 | 1941 | 1985 | 1949 | SEP 1961 |
| | MINIMUM MONTHLY (IN) | 60 | 0.22 | 0.33 | 0.39 | 0.71 | 0.82 | 0.60 | 0.33 | 0.25 | 0.03 | 0.03 | 0.22 | 0.32 | 0.03 |
| | YEAR OF OCCURRENCE | | 1986 | 1947 | 1958 | 1971 | 1992 | 1988 | 1988 | 1992 | 1979 | 1964 | 1999 | 1995 | SEP 1979 |
| | MAXIMUM IN 24 HOURS (IN) | 56 | 4.45 | 3.34 | 3.39 | 5.06 | 3.62 | 4.44 | 4.22 | 4.32 | 4.15 | 3.70 | 4.32 | 3.38 | 5.06 |
| | YEAR OF OCCURRENCE | | 1965 | 1997 | 1944 | 1950 | 1956 | 1974 | 1993 | 1955 | 1961 | 1969 | 1990 | 1949 | APR 1950 |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| PRECIPITATION ≥ 0.01 | 30 | 9.5 | 8.2 | 11.0 | 11.6 | 10.7 | 9.0 | 9.1 | 8.7 | 9.0 | 8.4 | 9.5 | 10.6 | 115.3 | |
| PRECIPITATION ≥ 1.00 | 30 | 0.3 | 0.2 | 0.4 | 1.0 | 0.8 | 1.0 | 1.4 | 0.8 | 1.0 | 0.5 | 0.6 | 0.5 | 8.5 | |
| SNOWFALL | NORMAL (IN) | 30 | 7.3 | 5.9 | 3.4 | 1.2 | 0.* | 0.0 | 0.0 | 0.0 | 0.1 | 1.9 | 6.4 | 26.2 | |
| | MAXIMUM MONTHLY (IN) | 55 | 24.7 | 15.2 | 16.9 | 13.4 | 0.1 | 0.0 | T | 0.0 | T | 1.8 | 9.1 | 21.7 | |
| | YEAR OF OCCURRENCE | | 1979 | 1989 | 1960 | 1982 | 1966 | | 1990 | | 1992 | 1967 | 1974 | 1977 | JAN 1979 |
| | MAXIMUM IN 24 HOURS (IN) | 55 | 12.2 | 7.6 | 9.0 | 6.1 | 0.1 | 0.0 | T | 0.0 | T | 1.8 | 7.2 | 10.2 | 12.2 |
| | YEAR OF OCCURRENCE | | 1979 | 1944 | 1946 | 1982 | 1966 | | 1990 | | 1992 | 1967 | 1951 | 1973 | JAN 1979 |
| | MAXIMUM SNOW DEPTH (IN) | 92 | 20 | 17 | 10 | 10 | 0 | 0 | 0 | 0 | 30 | 3 | 7 | 13 | 30 |
| | YEAR OF OCCURRENCE | | 1979 | 1979 | 1960 | 1982 | | | | | 1907 | 1929 | 1975 | 1973 | SEP 1907 |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| SNOWFALL ≥ 1.0 | 30 | 2.4 | 1.7 | 1.2 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.* | 0.4 | 2.1 | 8.2 | |

PRECIPITATION (inches) 1999 PEORIA, IL (PIA)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------------|------|------|------|------|-------|-------|-------|------|-------|------|------|------|--------|
| 1970 | 0.56 | 0.64 | 1.60 | 7.18 | 3.89 | 3.92 | 5.46 | 3.21 | 11.49 | 4.36 | 1.11 | 1.30 | 44.72 |
| 1971 | 0.59 | 1.64 | 1.09 | 0.71 | 2.80 | 0.98 | 5.21 | 2.19 | 3.07 | 1.71 | 1.43 | 4.96 | 26.38 |
| 1972 | 0.81 | 0.74 | 2.48 | 4.38 | 1.30 | 5.97 | 3.54 | 4.26 | 5.21 | 2.50 | 2.56 | 2.48 | 36.23 |
| 1973 | 1.76 | 0.99 | 6.95 | 4.26 | 4.51 | 6.46 | 6.04 | 0.90 | 7.58 | 5.18 | 1.48 | 4.11 | 50.22 |
| 1974 | 3.09 | 1.65 | 2.69 | 4.11 | 6.26 | 11.69 | 2.63 | 0.81 | 1.45 | 2.07 | 4.13 | 1.93 | 42.51 |
| 1975 | 2.59 | 2.85 | 1.73 | 3.92 | 5.19 | 3.90 | 4.26 | 5.62 | 2.74 | 3.63 | 2.75 | 2.04 | 41.22 |
| 1976 | 0.78 | 2.56 | 4.25 | 4.86 | 5.11 | 2.92 | 2.98 | 2.30 | 1.78 | 2.48 | 0.83 | 0.38 | 31.23 |
| 1977 | 1.22 | 0.95 | 4.41 | 1.24 | 3.54 | 2.06 | 3.43 | 7.28 | 6.26 | 4.00 | 1.77 | 2.25 | 38.41 |
| 1978 | 0.69 | 0.59 | 1.56 | 4.69 | 7.72 | 1.96 | 3.47 | 1.28 | 2.32 | 1.73 | 2.54 | 3.54 | 32.09 |
| 1979 | 2.48 | 1.37 | 4.42 | 4.48 | 1.96 | 1.77 | 4.81 | 0.87 | 0.03 | 1.70 | 2.76 | 2.33 | 28.98 |
| 1980 | 0.59 | 1.06 | 2.79 | 2.78 | 2.05 | 8.94 | 1.43 | 6.16 | 4.09 | 2.44 | 0.67 | 2.25 | 35.25 |
| 1981 | 0.48 | 2.41 | 0.92 | 5.71 | 5.77 | 6.22 | 7.08 | 5.61 | 1.31 | 1.37 | 1.64 | 1.24 | 39.76 |
| 1982 | 2.88 | 1.13 | 4.80 | 5.40 | 3.15 | 3.15 | 7.53 | 3.97 | 1.24 | 1.47 | 4.95 | 5.45 | 45.12 |
| 1983 | 0.53 | 1.01 | 2.84 | 7.06 | 6.66 | 4.48 | 1.99 | 1.09 | 5.08 | 3.01 | 5.58 | 2.65 | 41.98 |
| 1984 | 0.59 | 2.28 | 3.95 | 5.18 | 4.84 | 2.90 | 5.02 | 0.78 | 2.38 | 5.07 | 3.95 | 3.82 | 40.76 |
| 1985 | 0.99 | 2.62 | 5.77 | 1.14 | 3.14 | 5.11 | 3.43 | 3.70 | 3.43 | 4.61 | 7.62 | 2.24 | 43.80 |
| 1986 | 0.22 | 1.79 | 0.87 | 1.39 | 2.95 | 6.53 | 7.00 | 1.74 | 6.39 | 4.64 | 1.32 | 2.60 | 37.44 |
| 1987 | 1.49 | 0.84 | 1.98 | 1.84 | 1.69 | 3.27 | 2.90 | 4.02 | 1.62 | 0.73 | 2.88 | 4.15 | 27.41 |
| 1988 | 1.99 | 0.71 | 2.83 | 1.59 | 1.68 | 0.60 | 0.33 | 2.11 | 2.82 | 1.08 | 4.19 | 2.23 | 22.16 |
| 1989 | 1.00 | 1.17 | 1.14 | 4.39 | 2.23 | 1.28 | 2.22 | 2.86 | 2.87 | 1.57 | 0.93 | 0.87 | 22.53 |
| 1990 | 1.73 | 3.59 | 3.95 | 2.32 | 6.19 | 7.99 | 9.18 | 5.31 | 1.03 | 3.17 | 7.19 | 3.70 | 55.35 |
| 1991 | 1.19 | 0.57 | 3.67 | 2.97 | 5.94 | 1.50 | 0.35 | 3.41 | 3.59 | 7.31 | 3.57 | 2.06 | 36.13 |
| 1992 | 1.06 | 1.55 | 2.58 | 1.61 | 0.82 | 0.80 | 8.19 | 0.25 | 5.81 | 1.33 | 5.58 | 2.99 | 32.57 |
| 1993 | 3.55 | 1.68 | 4.08 | 4.89 | 3.25 | 5.70 | 10.15 | 7.38 | 7.56 | 2.42 | 2.22 | 1.19 | 54.07 |
| 1994 | 0.92 | 1.98 | 0.66 | 3.86 | 1.52 | 1.81 | 1.37 | 2.92 | 1.27 | 3.19 | 3.49 | 2.21 | 25.20 |
| 1995 | 2.83 | 0.54 | 1.56 | 4.77 | 10.19 | 1.57 | 2.83 | 1.95 | 1.47 | 3.23 | 2.48 | 0.32 | 33.74 |
| 1996 | 1.44 | 0.82 | 2.04 | 2.55 | 7.60 | 2.08 | 4.57 | 1.03 | 1.62 | 2.51 | 2.16 | 1.06 | 29.48 |
| 1997 | 1.05 | 5.37 | 1.68 | 2.76 | 2.65 | 1.38 | 0.89 | 6.10 | 3.13 | 2.29 | 2.85 | 1.69 | 31.84 |
| 1998 | 2.55 | 2.64 | 4.67 | 4.96 | 5.50 | 5.19 | 1.64 | 5.26 | 2.30 | 3.21 | 2.63 | 1.75 | 42.30 |
| 1999 | 3.07 | 1.16 | 0.94 | 4.31 | 4.92 | 3.21 | 4.22 | 2.78 | 1.54 | 1.35 | 0.22 | 2.55 | 30.27 |
| POR= 144 YRS | 1.77 | 1.79 | 2.78 | 3.54 | 3.97 | 3.82 | 3.77 | 3.03 | 3.57 | 2.49 | 2.38 | 1.99 | 34.90 |

WBAN : 14842

AVERAGE TEMPERATURE (°F) 1999 PEORIA, IL (PIA)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1970 | 15.1 | 25.9 | 35.3 | 52.2 | 64.2 | 69.8 | 74.9 | 72.3 | 65.8 | 53.6 | 39.1 | 29.9 | 49.8 |
| 1971 | 19.2 | 27.7 | 35.5 | 51.9 | 57.7 | 76.8 | 71.2 | 71.6 | 68.9 | 60.0 | 40.5 | 34.3 | 51.3 |
| 1972 | 19.7 | 24.5 | 36.9 | 48.9 | 63.2 | 68.0 | 73.2 | 72.4 | 66.2 | 50.0 | 36.2 | 23.8 | 48.6 |
| 1973 | 27.4 | 28.9 | 46.5 | 50.9 | 57.9 | 71.8 | 75.0 | 74.7 | 67.0 | 57.7 | 42.4 | 24.8 | 52.1 |
| 1974 | 23.1 | 29.4 | 41.1 | 53.6 | 59.3 | 66.7 | 76.9 | 72.2 | 61.1 | 53.6 | 39.6 | 29.9 | 50.5 |
| 1975 | 27.5 | 26.1 | 33.8 | 47.0 | 64.6 | 72.1 | 73.8 | 74.7 | 60.9 | 55.3 | 44.9 | 30.2 | 50.9 |
| 1976 | 19.5 | 34.9 | 43.9 | 54.1 | 58.2 | 70.5 | 75.3 | 70.3 | 63.3 | 47.3 | 32.0 | 21.0 | 49.2 |
| 1977 | 8.6 | 27.0 | 44.6 | 57.1 | 68.6 | 70.2 | 78.2 | 71.4 | 66.4 | 51.3 | 40.3 | 22.8 | 50.5 |
| 1978 | 13.3 | 15.4 | 32.4 | 51.2 | 60.3 | 71.3 | 75.0 | 73.2 | 70.5 | 52.1 | 41.3 | 26.8 | 48.6 |
| 1979 | 9.4 | 14.7 | 37.9 | 47.7 | 60.5 | 71.2 | 73.0 | 72.5 | 65.6 | 52.6 | 38.0 | 31.8 | 47.9 |
| 1980 | 23.6 | 19.9 | 35.6 | 49.2 | 63.0 | 69.3 | 78.5 | 76.9 | 67.9 | 49.6 | 40.7 | 28.9 | 50.3 |
| 1981 | 23.7 | 27.8 | 40.7 | 55.4 | 58.7 | 73.2 | 75.4 | 72.8 | 65.9 | 53.4 | 45.0 | 27.3 | 51.6 |
| 1982 | 15.8 | 24.8 | 37.7 | 46.5 | 68.4 | 67.2 | 75.7 | 71.3 | 64.9 | 55.0 | 41.5 | 37.4 | 50.5 |
| 1983 | 28.2 | 33.5 | 40.3 | 46.8 | 58.6 | 72.6 | 80.2 | 80.8 | 67.9 | 55.3 | 44.9 | 15.2 | 52.0 |
| 1984 | 20.6 | 35.5 | 31.3 | 49.6 | 58.8 | 74.3 | 73.0 | 74.9 | 64.0 | 57.6 | 40.3 | 33.9 | 51.2 |
| 1985 | 16.8 | 23.2 | 43.8 | 57.0 | 64.3 | 68.7 | 73.7 | 70.2 | 66.6 | 55.5 | 39.0 | 18.6 | 49.8 |
| 1986 | 26.6 | 23.5 | 43.2 | 55.4 | 64.0 | 72.3 | 77.4 | 68.9 | 68.9 | 55.2 | 36.2 | 30.9 | 51.9 |
| 1987 | 25.2 | 35.7 | 44.1 | 54.1 | 68.4 | 74.0 | 79.0 | 73.7 | 65.7 | 48.0 | 44.6 | 32.4 | 53.7 |
| 1988 | 22.7 | 23.5 | 39.9 | 51.1 | 65.4 | 73.1 | 78.6 | 78.5 | 68.2 | 48.2 | 41.5 | 29.7 | 51.7 |
| 1989 | 33.9 | 18.7 | 39.2 | 50.7 | 59.1 | 69.8 | 75.3 | 72.4 | 62.2 | 54.9 | 39.8 | 16.2 | 49.4 |
| 1990 | 34.8 | 33.7 | 43.4 | 50.0 | 57.8 | 71.0 | 72.6 | 72.1 | 66.1 | 51.9 | 45.2 | 27.7 | 52.2 |
| 1991 | 21.5 | 32.4 | 42.8 | 55.8 | 68.0 | 74.7 | 75.4 | 74.3 | 65.4 | 53.9 | 36.0 | 32.0 | 52.7 |
| 1992 | 30.1 | 35.6 | 42.3 | 50.0 | 61.0 | 69.7 | 72.4 | 68.6 | 64.2 | 53.1 | 39.8 | 29.5 | 51.4 |
| 1993 | 27.4 | 25.1 | 36.4 | 49.8 | 63.6 | 70.4 | 76.1 | 75.0 | 61.4 | 51.7 | 39.4 | 31.4 | 50.6 |
| 1994 | 18.2 | 26.2 | 41.0 | 53.2 | 61.7 | 74.4 | 74.6 | 71.6 | 66.7 | 56.2 | 44.8 | 34.7 | 51.9 |
| 1995 | 24.1 | 28.3 | 42.6 | 49.3 | 58.3 | 72.1 | 76.2 | 79.4 | 62.7 | 54.2 | 34.4 | 27.5 | 50.8 |
| 1996 | 21.9 | 28.9 | 34.0 | 48.1 | 60.0 | 71.1 | 72.0 | 73.4 | 64.4 | 54.0 | 33.7 | 28.7 | 49.2 |
| 1997 | 19.3 | 31.9 | 41.4 | 47.1 | 57.1 | 70.7 | 75.4 | 71.5 | 66.1 | 54.9 | 38.1 | 30.9 | 50.4 |
| 1998 | 29.7 | 39.6 | 39.5 | 52.1 | 66.8 | 70.7 | 75.7 | 75.2 | 70.4 | 55.5 | 45.2 | 33.3 | 54.5 |
| 1999 | 22.9 | 36.1 | 38.2 | 53.7 | 63.9 | 72.0 | 78.1 | 71.2 | 64.1 | 54.4 | 47.2 | 31.5 | 52.8 |
| POR= 95 YRS | 24.0 | 28.0 | 38.7 | 51.0 | 61.8 | 71.3 | 75.6 | 73.6 | 66.2 | 54.3 | 40.4 | 28.5 | 51.1 |

HEATING DEGREE DAYS (base 65°F) 1999 PEORIA, IL (PIA)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|-----|------|------|------|------|-----|-----|-----|-------|
| 1970-71 | 2 | 3 | 84 | 353 | 774 | 1080 | 1418 | 1035 | 906 | 402 | 241 | 0 | 6298 |
| 1971-72 | 17 | 5 | 85 | 186 | 728 | 945 | 1402 | 1167 | 866 | 475 | 150 | 42 | 6068 |
| 1972-73 | 9 | 19 | 87 | 461 | 855 | 1271 | 1161 | 1005 | 566 | 423 | 216 | 0 | 6073 |
| 1973-74 | 0 | 0 | 54 | 253 | 671 | 1237 | 1292 | 991 | 736 | 348 | 214 | 42 | 5838 |
| 1974-75 | 0 | 1 | 157 | 354 | 756 | 1081 | 1156 | 1085 | 959 | 534 | 92 | 17 | 6192 |
| 1975-76 | 13 | 1 | 171 | 306 | 596 | 1069 | 1404 | 868 | 648 | 351 | 221 | 5 | 5653 |
| 1976-77 | 0 | 9 | 106 | 556 | 981 | 1357 | 1747 | 1061 | 623 | 273 | 60 | 17 | 6790 |
| 1977-78 | 0 | 6 | 39 | 418 | 734 | 1301 | 1595 | 1383 | 1006 | 405 | 222 | 14 | 7123 |
| 1978-79 | 0 | 4 | 49 | 390 | 704 | 1174 | 1722 | 1403 | 833 | 510 | 194 | 10 | 6993 |
| 1979-80 | 3 | 19 | 70 | 401 | 804 | 1022 | 1279 | 1300 | 907 | 474 | 123 | 26 | 6428 |
| 1980-81 | 0 | 0 | 65 | 470 | 722 | 1112 | 1273 | 1037 | 748 | 295 | 221 | 1 | 5944 |
| 1981-82 | 1 | 0 | 60 | 360 | 594 | 1163 | 1520 | 1119 | 839 | 548 | 29 | 28 | 6261 |
| 1982-83 | 0 | 13 | 94 | 325 | 697 | 849 | 1133 | 875 | 758 | 537 | 206 | 17 | 5504 |
| 1983-84 | 2 | 0 | 92 | 311 | 595 | 1541 | 1371 | 849 | 1038 | 467 | 206 | 1 | 6473 |
| 1984-85 | 1 | 1 | 153 | 246 | 734 | 956 | 1489 | 1164 | 656 | 284 | 71 | 38 | 5793 |
| 1985-86 | 0 | 6 | 111 | 287 | 774 | 1432 | 1184 | 1156 | 683 | 314 | 92 | 7 | 6046 |
| 1986-87 | 0 | 26 | 37 | 305 | 858 | 1048 | 1228 | 814 | 640 | 340 | 53 | 2 | 5351 |
| 1987-88 | 0 | 16 | 68 | 520 | 609 | 1001 | 1306 | 1198 | 772 | 409 | 64 | 12 | 5975 |
| 1988-89 | 0 | 4 | 38 | 517 | 698 | 1090 | 958 | 1290 | 796 | 442 | 231 | 25 | 6089 |
| 1989-90 | 0 | 3 | 134 | 317 | 749 | 1509 | 929 | 871 | 672 | 475 | 226 | 16 | 5901 |
| 1990-91 | 8 | 3 | 99 | 409 | 589 | 1148 | 1341 | 909 | 683 | 285 | 86 | 0 | 5560 |
| 1991-92 | 0 | 0 | 143 | 347 | 863 | 1017 | 1078 | 847 | 698 | 444 | 180 | 19 | 5636 |
| 1992-93 | 0 | 23 | 109 | 367 | 748 | 1094 | 1159 | 1110 | 878 | 450 | 96 | 48 | 6082 |
| 1993-94 | 0 | 0 | 135 | 408 | 761 | 1035 | 1448 | 1078 | 734 | 371 | 157 | 12 | 6139 |
| 1994-95 | 0 | 8 | 67 | 282 | 602 | 932 | 1258 | 1022 | 687 | 466 | 207 | 7 | 5538 |
| 1995-96 | 2 | 0 | 133 | 332 | 911 | 1154 | 1328 | 1041 | 954 | 499 | 210 | 28 | 6592 |
| 1996-97 | 2 | 0 | 97 | 338 | 930 | 1120 | 1412 | 922 | 723 | 530 | 252 | 18 | 6344 |
| 1997-98 | 5 | 3 | 54 | 364 | 802 | 1051 | 1088 | 707 | 793 | 381 | 50 | 44 | 5342 |
| 1998-99 | 0 | 0 | 19 | 297 | 587 | 975 | 1300 | 806 | 823 | 333 | 91 | 18 | 5249 |
| 1999- | 0 | 0 | 102 | 330 | 529 | 1031 | | | | | | | |

WBAN : 14842

COOLING DEGREE DAYS (base 65°F) 1999 PEORIA, IL (PIA)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 1970 | 0 | 0 | 0 | 24 | 99 | 178 | 317 | 239 | 109 | 6 | 0 | 0 | 972 |
| 1971 | 0 | 0 | 0 | 14 | 22 | 359 | 217 | 214 | 210 | 37 | 0 | 0 | 1073 |
| 1972 | 0 | 0 | 0 | 0 | 103 | 140 | 273 | 253 | 130 | 3 | 0 | 0 | 902 |
| 1973 | 0 | 0 | 0 | 7 | 3 | 211 | 315 | 306 | 121 | 35 | 0 | 0 | 998 |
| 1974 | 0 | 0 | 0 | 12 | 43 | 99 | 377 | 233 | 47 | 6 | 0 | 0 | 817 |
| 1975 | 0 | 0 | 0 | 0 | 83 | 237 | 292 | 307 | 55 | 14 | 0 | 0 | 988 |
| 1976 | 0 | 0 | 0 | 28 | 14 | 176 | 326 | 180 | 62 | 14 | 0 | 0 | 800 |
| 1977 | 0 | 0 | 0 | 42 | 176 | 179 | 416 | 209 | 88 | 0 | 0 | 0 | 1110 |
| 1978 | 0 | 0 | 0 | 0 | 81 | 208 | 316 | 267 | 221 | 0 | 0 | 0 | 1093 |
| 1979 | 0 | 0 | 0 | 0 | 62 | 206 | 259 | 258 | 95 | 23 | 0 | 0 | 903 |
| 1980 | 0 | 0 | 0 | 6 | 70 | 160 | 425 | 378 | 156 | 1 | 0 | 0 | 1196 |
| 1981 | 0 | 0 | 0 | 13 | 33 | 250 | 331 | 250 | 93 | 6 | 1 | 0 | 977 |
| 1982 | 0 | 0 | 0 | 0 | 141 | 101 | 338 | 215 | 96 | 26 | 0 | 0 | 917 |
| 1983 | 0 | 0 | 0 | 0 | 14 | 250 | 479 | 494 | 188 | 17 | 0 | 0 | 1442 |
| 1984 | 0 | 0 | 0 | 12 | 24 | 285 | 256 | 315 | 129 | 22 | 0 | 0 | 1043 |
| 1985 | 0 | 0 | 3 | 48 | 54 | 155 | 279 | 173 | 164 | 0 | 0 | 0 | 876 |
| 1986 | 0 | 0 | 15 | 30 | 68 | 234 | 392 | 157 | 161 | 6 | 0 | 0 | 1063 |
| 1987 | 0 | 0 | 0 | 19 | 166 | 278 | 440 | 293 | 92 | 0 | 3 | 0 | 1291 |
| 1988 | 0 | 0 | 0 | 2 | 84 | 266 | 431 | 428 | 140 | 5 | 0 | 0 | 1356 |
| 1989 | 0 | 0 | 2 | 20 | 56 | 177 | 324 | 240 | 57 | 11 | 0 | 0 | 887 |
| 1990 | 0 | 0 | 9 | 34 | 8 | 204 | 251 | 230 | 138 | 9 | 0 | 0 | 883 |
| 1991 | 0 | 0 | 4 | 16 | 189 | 296 | 331 | 293 | 159 | 11 | 0 | 0 | 1299 |
| 1992 | 0 | 0 | 0 | 1 | 62 | 171 | 237 | 140 | 90 | 6 | 0 | 0 | 707 |
| 1993 | 0 | 0 | 0 | 2 | 60 | 218 | 350 | 321 | 33 | 6 | 0 | 0 | 990 |
| 1994 | 0 | 0 | 0 | 25 | 61 | 300 | 307 | 218 | 123 | 16 | 0 | 0 | 1050 |
| 1995 | 0 | 0 | 0 | 0 | 6 | 225 | 355 | 453 | 73 | 5 | 0 | 0 | 1117 |
| 1996 | 0 | 0 | 0 | 0 | 63 | 217 | 224 | 267 | 88 | 5 | 0 | 0 | 864 |
| 1997 | 0 | 0 | 0 | 0 | 12 | 199 | 334 | 210 | 94 | 59 | 0 | 0 | 908 |
| 1998 | 0 | 0 | 9 | 0 | 114 | 222 | 337 | 318 | 187 | 10 | 0 | 0 | 1197 |
| 1999 | 0 | 0 | 0 | 2 | 68 | 233 | 414 | 197 | 82 | 8 | 0 | 0 | 1004 |

SNOWFALL (inches) 1999 PEORIA, IL (PIA)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|----------------|-----|-----|-----|-----|-----|------|------|------|-----|------|-----|-----|-------|
| 1970-71 | 0.0 | 0.0 | 0.0 | 0.0 | T | 3.4 | 5.4 | 0.6 | 5.8 | 0.0 | 0.0 | 0.0 | 15.2 |
| 1971-72 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | T | 10.2 | 6.2 | 8.0 | 0.9 | 0.0 | 0.0 | 29.3 |
| 1972-73 | 0.0 | 0.0 | 0.0 | 0.3 | 7.3 | 4.7 | 0.8 | 2.7 | 1.2 | 0.7 | 0.0 | 0.0 | 17.7 |
| 1973-74 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 18.9 | 6.7 | 1.9 | 0.9 | 1.2 | 0.0 | 0.0 | 29.7 |
| 1974-75 | 0.0 | 0.0 | 0.0 | 0.0 | 9.1 | 6.2 | 8.8 | 12.8 | 3.8 | 1.6 | 0.0 | 0.0 | 42.3 |
| 1975-76 | 0.0 | 0.0 | 0.0 | 0.0 | 8.1 | 1.4 | 8.6 | 2.5 | 2.0 | 0.0 | 0.0 | 0.0 | 22.6 |
| 1976-77 | 0.0 | 0.0 | 0.0 | T | 0.4 | 4.1 | 16.3 | 4.1 | 2.4 | 1.4 | 0.0 | 0.0 | 28.7 |
| 1977-78 | 0.0 | 0.0 | 0.0 | 0.0 | 6.4 | 21.7 | 7.0 | 7.0 | 5.0 | 0.0 | 0.0 | 0.0 | 47.1 |
| 1978-79 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 14.2 | 24.7 | 3.6 | 6.5 | T | 0.0 | 0.0 | 51.6 |
| 1979-80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.1 | 3.7 | 11.3 | 5.3 | 6.3 | 0.0 | 0.0 | 27.5 |
| 1980-81 | 0.0 | 0.0 | 0.0 | T | 4.1 | 3.3 | 5.9 | 10.5 | T | 0.0 | 0.0 | 0.0 | 23.8 |
| 1981-82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 9.8 | 11.0 | 6.1 | 6.5 | 13.4 | 0.0 | 0.0 | 46.9 |
| 1982-83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 2.0 | 5.6 | 4.8 | 5.7 | 0.1 | 0.0 | 0.0 | 19.1 |
| 1983-84 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 15.9 | 6.9 | 4.1 | 6.0 | 0.0 | 0.0 | 0.0 | 36.2 |
| 1984-85 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.9 | 9.8 | 6.2 | T | T | 0.0 | 0.0 | 16.9 |
| 1985-86 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 6.2 | 1.3 | 13.9 | 0.4 | 0.1 | 0.0 | 0.0 | 22.9 |
| 1986-87 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | T | 18.0 | 0.1 | T | 0.0 | 0.0 | 0.0 | 19.1 |
| 1987-88 | 0.0 | 0.0 | 0.0 | T | 0.3 | 9.8 | 1.9 | 9.7 | 1.9 | 0.0 | 0.0 | 0.0 | 23.6 |
| 1988-89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 4.7 | 0.3 | 15.2 | T | 0.9 | T | 0.0 | 21.8 |
| 1989-90 | 0.0 | 0.0 | 0.0 | 0.6 | T | 10.5 | 4.8 | 6.2 | T | T | 0.0 | 0.0 | 22.1 |
| 1990-91 | T | 0.0 | 0.0 | T | T | 3.8 | 9.8 | 1.0 | 6.9 | 0.0 | 0.0 | 0.0 | 21.5 |
| 1991-92 | 0.0 | 0.0 | 0.0 | T | 3.6 | 5.1 | 6.4 | 0.4 | 4.1 | T | 0.0 | 0.0 | 19.6 |
| 1992-93 | 0.0 | 0.0 | T | T | 0.7 | 6.1 | 6.8 | 12.4 | 3.5 | 0.7 | 0.0 | 0.0 | 30.2 |
| 1993-94 | 0.0 | 0.0 | 0.0 | T | 3.6 | 2.4 | 9.4 | 12.6 | T | 0.1 | 0.0 | 0.0 | 28.1 |
| 1994-95 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.5 | 3.8 | 2.8 | 0.7 | T | T | 0.0 | 7.8 |
| 1995-96 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 3.6 | 5.9 | 1.9 | 1.1 | 0.5 | 0.0 | 0.0 | 13.2 |
| 1996-97 | 0.0 | 0.0 | 0.0 | | | | | | | | 0.0 | | |
| 1997-98 | | 0.0 | | T | 1.9 | 13.0 | 7.1 | T | 7.3 | T | 0.0 | 0.0 | |
| 1998-99 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 5.2 | 18.1 | 1.0 | 6.9 | T | T | 0.0 | 31.7 |
| 1999- | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | | | | | | | |
| POR= 54 YRS | T | 0.0 | T | 0.1 | 2.0 | 5.9 | 6.7 | 5.1 | 4.0 | 0.8 | 0.0 | 0.0 | 24.6 |

WBAN : 14842

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
PEORIA,
ILLINOIS (PIA)

The airport station is situated on a rather level tableland surrounded by well-drained and gently rolling terrain. It is set back a mile from the rim of the Illinois River Valley and is almost 200 feet above the river bed. Exposures of all instruments are good. The climate of this area is typically continental as shown by its changeable weather and the wide range of temperature extremes.

June and September are usually the most pleasant months of the year. Then during October or the first of November, Indian Summer is often experienced with an extended period of warm, dry weather.

Precipitation is normally heaviest during the growing season and lowest during midwinter.

The earliest snowfalls have occurred in September and the latest in the spring have occurred as late as May. Heavy snowfalls have rarely exceeded 20 inches.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is October 20 and the average last occurrence in the spring is April 24.

STATION LOCATION

PEORIA, ILLINOIS

| LOCATION | OCCUPIED FROM | OCCUPIED TO | AIRLINE DISTANCES AND DIRECTIONS FROM PREVIOUS LOCATION | LATITUDE NORTH | LONGITUDE WEST | ELEVATION ABOVE | | | | | | | | | | | * Type M = AMOS T = AUTOB S = ASOS W = AWOS | REMARKS | |
|---|---------------|-------------|---|----------------|----------------|-----------------|---------------------------------|--|--|--|---|--------------------------------------|---|--------------------------------------|---|---|--|---------|--|
| | | | | | | SEA LEVEL | GROUND | | | | | | | | | | | | A U T O M A T I C G I Z E R H E I G H T M E T E R |
| | | | | | | | G M M E T E R | W I N D I N S T R U M E N T | E M P T Y S H E L T E R | E M P T Y S H E L T E R | P R E C I P I T A T I O N | S W I T C H E D | T H E R M O M E T E R | R A I N G A G E | W E I G H T I N G R A I N G A G E | 8 I N C H R A I N G A G E | | | |
| <u>COOPERATIVE</u> | | | | | | | | | | | | | | | | | | | |
| Corner of Washington and East Franklin | 1856 | 1862 | | 40°41' | 89°36' | 470 | | | | | | | | | | | Dr. Frederick Brendel made almost continuous temperature and precipitation recordings from 1856 to 1905. | | |
| 72 South Adams | 1863 | 1864 | 2 blks. N | 40°41' | 89°36' | 490 | | | | | | | | | | | | | |
| Corner of Water and East Franklin | 1865 | 1868 | 3 blks. S | 40°41' | 89°36' | 460 | | | | | | | | | | | | | |
| Corner of Pecan and Meyer | 1869 | 1872 | 9 blks. WSW | 40°41' | 89°36' | 502 | | | | | | | | | | | | | |
| 202 Liberty Street | 1873 | 1884 | 11 blks. ENE | 40°41' | 89°36' | 473 | | | | | | | | | | | | | |
| 315 Harrison Street | 1885 | 1888 | 1 blk. NW | 40°41' | 89°36' | 495 | | | | | | | | | | | | | |
| 701 Fourth Street | 1889 | 1905 | 9 blks. NW | 40°42' | 89°36' | 519 | | 7 | | | | | | 3 | | | Standard shelter in 1896. | | |
| <u>CITY</u> | | | | | | | | | | | | | | | | | | | |
| 101 South Institute Pl. (Bradley Campus) | 2/01/05 | 8/15/44 | 1 mi. NW | 40°43' | 89°36' | 602 | 45 | 11 | 11 | | 5 | | | 5 | | | Observation program at Airport from 5/4/43. | | |
| <u>AIRPORT</u> | | | | | | | | | | | | | | | | | | | |
| Administration Building Municipal Airport 5 miles WSW of P.O. | 3/01/35 | 5/04/43 | | 40°40' | 89°41' | 654 | b26 | 6 | 5 | | | | | a4 | | | Occasional airway observations to 3/1/36. a - Added 3/1/36. b - 20 feet to 1/39. | | |
| Administration Building Municipal Airport | 5/04/43 | 10/01/59 | Not Moved | 40°40' | 89°41' | 654 | c50 | 7 | 7 | | 4 | | | 3 | | | c - 26 feet to 11/22/48. | | |
| New Administration Bldg Greater Peoria Airport | 10/01/59 | 10/24/79 | 2300 ft. WNW | 40°40' | 89°41' | 652 | 20 | 6 | 6 | 90 | d32 | 4 | d33 | 4 | 5 | NA | d - Moved to roof 12/22/76. e - Removed 12/22/76. | | |
| Business Aviation Bldg. Greater Peoria Airport | 10/14/79 | 10/01/95 | 800 ft. ENE | 40°40' | 89°41' | 652 | f20 | NA | 5 | f90 | f32 | f33 | f31 | f5 | NA | f - Not moved 10/24/79. g - Moved to new site 10/27/79. h - Moved to new site 11/7/79. i - Installed 3/10/80. j - Type change 10/17/84. | | | |
| Greater Peoria Airport | 10/01/95 | Present | NA | 40°40' | 89°41' | 673 | | | | | | | | | S | | ASOS Commissioned 10/01/95 | | |

SUBSCRIPTION: Price and ordering information available through: National Climatic Data Center, Federal Building, Asheville, North Carolina 28801. INQUIRIES/COMMENTS CALL: (828) 271-4800 Inpring - 210

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