

2004

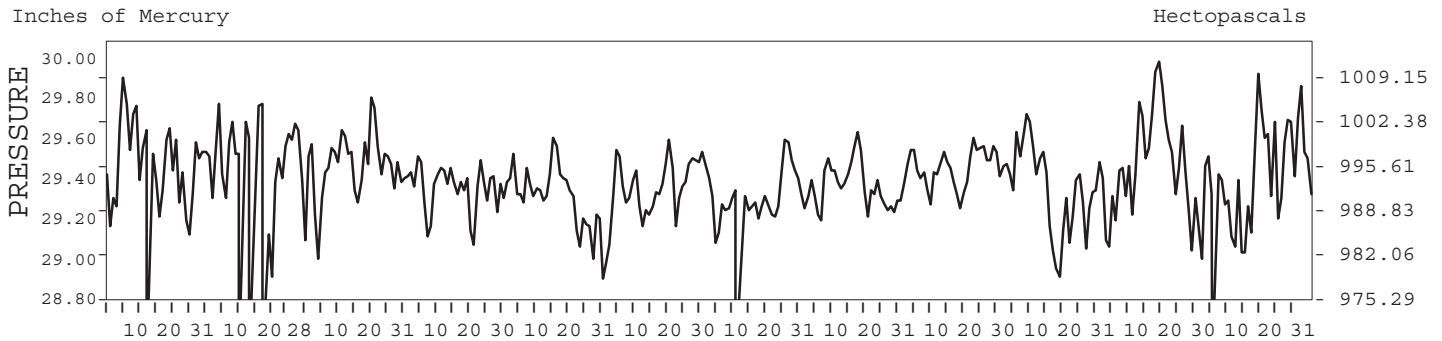
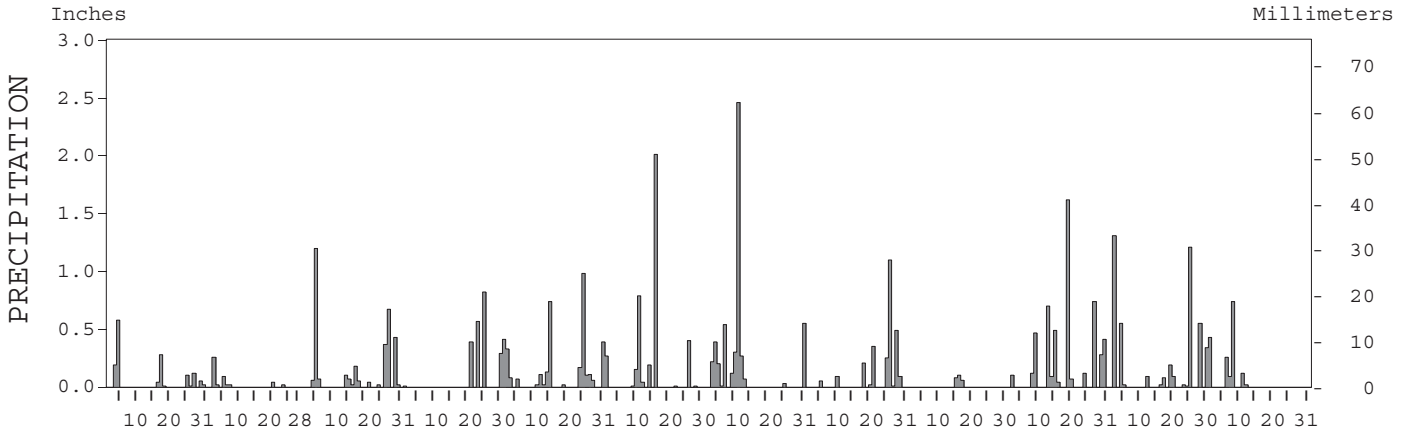
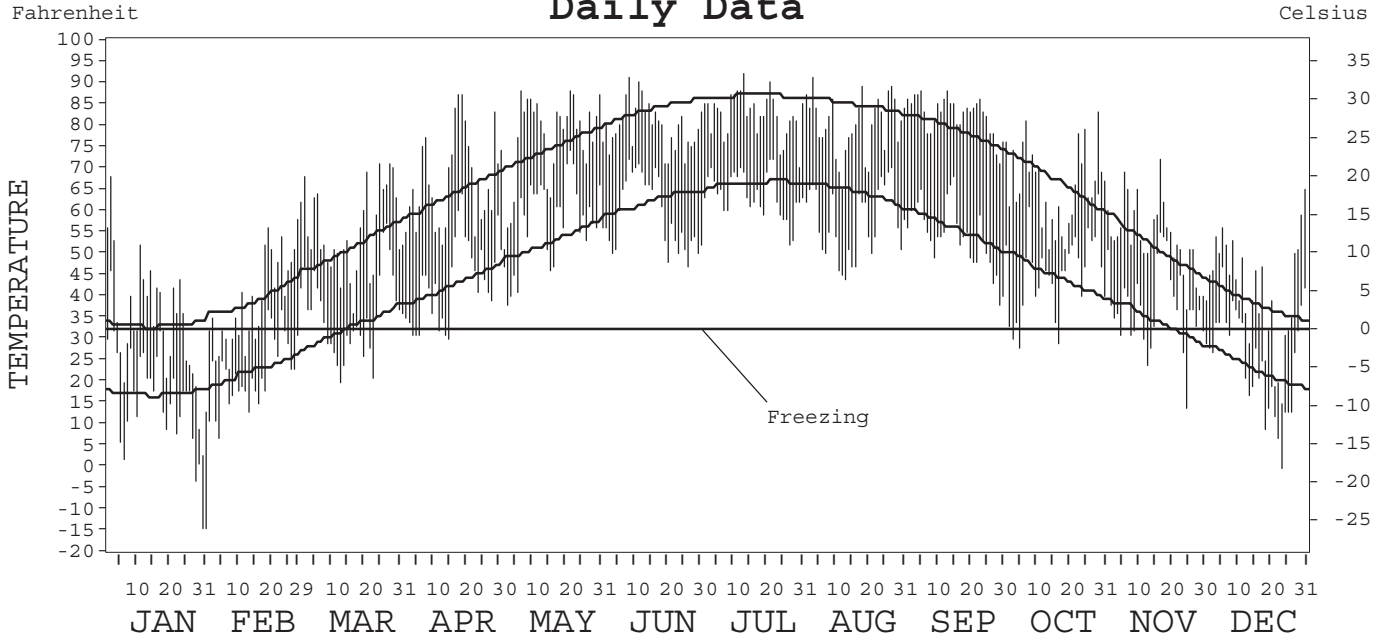
LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0198-1927

SPRINGFIELD, ILLINOIS (SPI)

Daily Data



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|---|---|---|---|

METEOROLOGICAL DATA FOR 2004

SPRINGFIELD, IL (SPI)

LATITUDE: 39° 50' 43" N LONGITUDE: 89° 41' 02" W ELEVATION (FT): GRND: 591 BARO: 594 TIME ZONE: CENTRAL (UTC + 6) WBAN: 93822

| ELEMENT | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR | |
|--------------------------|-------------------------------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-----------|---|
| TEMPERATURE °F | MEAN DAILY MAXIMUM | 33.6 | 39.6 | 55.2 | 67.2 | 76.8 | 79.7 | 82.5 | 80.2 | 82.4 | 65.9 | 53.8 | 41.2 | 63.2 | |
| | HIGHEST DAILY MAXIMUM | 68 | 62 | 71 | 87 | 88 | 91 | 92 | 91 | 88 | 83 | 72 | 65 | 92 | |
| | DATE OF OCCURRENCE | 02 | 29 | 27+ | 18+ | 21+ | 08 | 13 | 03 | 13+ | 29 | 17 | 31 | JUL 13 | |
| | MEAN DAILY MINIMUM | 15.9 | 22.8 | 35.5 | 43.4 | 57.3 | 59.1 | 63.7 | 57.4 | 53.9 | 45.1 | 37.6 | 25.1 | 43.1 | |
| | LOWEST DAILY MINIMUM | -14 | 7 | 20 | 30 | 38 | 47 | 52 | 44 | 38 | 28 | 14 | 0 | -14 | |
| | DATE OF OCCURRENCE | 31+ | 04 | 12 | 14 | 02 | 26 | 27 | 13 | 29 | 05 | 25 | 24 | JAN 31+ | |
| | AVERAGE DRY BULB | 24.8 | 31.2 | 45.4 | 55.3 | 67.1 | 69.4 | 73.1 | 68.8 | 68.2 | 55.5 | 45.7 | 33.2 | 53.1 | |
| | MEAN WET BULB | 22.7 | | 41.0 | 47.9 | 61.2 | 63.7 | 67.9 | 63.1 | 59.5 | 50.4 | 42.3 | | | |
| | MEAN DEW POINT | 16.9 | | 34.8 | 39.1 | 57.3 | 59.5 | 65.0 | 59.4 | 53.2 | 44.8 | 37.6 | | | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | MAXIMUM ≥ 90° | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 5 |
| | MAXIMUM ≤ 32° | 15 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 34 | |
| MINIMUM ≤ 32° | 30 | 25 | 13 | 6 | 0 | 0 | 0 | 0 | 0 | 3 | 9 | 21 | 107 | | |
| MINIMUM ≤ 0° | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | | |
| H/C | HEATING DEGREE DAYS | 1241 | 973 | 604 | 313 | 93 | 20 | 0 | 33 | 29 | 296 | 572 | 979 | 5153 | |
| | COOLING DEGREE DAYS | 0 | 0 | 0 | 28 | 165 | 161 | 257 | 157 | 133 | 9 | 0 | 0 | 910 | |
| RH | MEAN (PERCENT) | 72 | 73 | 69 | 57 | 73 | 71 | 78 | 74 | 64 | 70 | 75 | 70 | 70 | |
| | HOUR 00 LST | 77 | 77 | 76 | 67 | 83 | 84 | 88 | 86 | 80 | 79 | 78 | 73 | 79 | |
| | HOUR 06 LST | 77 | 79 | 82 | 74 | 86 | 85 | 90 | 91 | 87 | 83 | 84 | 77 | 83 | |
| | HOUR 12 LST | 64 | 67 | 60 | 46 | 60 | 56 | 63 | 58 | 41 | 57 | 68 | 62 | 58 | |
| | HOUR 18 LST | 70 | 71 | 60 | 44 | 62 | 61 | 67 | 61 | 48 | 65 | 73 | 67 | 62 | |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | |
| W/O | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG (VISBY ≤ 1/4 MI) | 2 | 2 | 3 | 0 | 2 | 1 | 3 | 3 | 1 | 2 | 2 | 1 | 22 | |
| | THUNDERSTORMS | 0 | 0 | 1 | 1 | 9 | 4 | 5 | 6 | 1 | 2 | 3 | 0 | 32 | |
| 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.) | | | 29.46 | 29.35 | 29.29 | 29.37 | | 29.37 | 29.45 | 29.33 | 29.47 | | | |
| | MEAN SEA-LEVEL PRESS. (IN.) | 30.16 | | 30.12 | 30.01 | 29.94 | 30.01 | | 30.02 | 30.10 | 29.98 | 30.14 | | | |
| WINDS | RESULTANT SPEED (MPH) | | | 3.9 | 2.0 | 5.2 | 1.7 | 0.3 | 1.6 | 1.7 | 1.4 | 0.6 | | | |
| | RES. DIR. (TENS OF DEGS.) | | | 23 | 23 | 20 | 21 | 30 | 23 | 12 | 16 | 08 | | | |
| | MEAN SPEED (MPH) | 10.9 | 11.3 | 12.3 | 11.3 | 9.7 | 6.8 | 6.2 | 6.1 | 6.5 | 9.1 | 9.6 | 11.2 | 9.2 | |
| | PREVAIL. DIR. (TENS OF DEGS.) | 33 | 27 | 18 | 19 | 20 | 22 | 24 | 18 | 17 | 06 | 17 | 18 | 18 | |
| | MAXIMUM 2-MINUTE WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 33 | 32 | 40 | 37 | 33 | 41 | 31 | 33 | 24 | 40 | 35 | 35 | 41 | |
| | DIR. (TENS OF DEGS.) | 31 | 25 | 27 | 26 | 18 | 19 | 26 | 15 | 01 | 25 | 02 | 17 | 19 | |
| | DATE OF OCCURRENCE | 14 | 20 | 11 | 20 | 22 | 10 | 06 | 02 | 28 | 30 | 24 | 20 | JUN 10 | |
| | MAXIMUM 5-SECOND WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 40 | 40 | 49 | 43 | 43 | 49 | 40 | 41 | 31 | 47 | 45 | 41 | 49 | |
| DIR. (TENS OF DEGS.) | 30 | 17 | 26 | 20 | 19 | 19 | 26 | 15 | 02 | 25 | 03 | 17 | 19 | | |
| DATE OF OCCURRENCE | 14 | 08 | 11 | 28+ | 22 | 10 | 06 | 02 | 28 | 30 | 24 | 20 | JUN 10 | | |
| PRECIPITATION | WATER EQUIVALENT: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 1.40 | 0.47 | 3.31 | 2.48 | 3.60 | 3.61 | 5.16 | 2.66 | 0.24 | 5.25 | 4.91 | 1.23 | 34.32 | |
| | GREATEST 24-HOUR (IN.) | 0.76 | 0.26 | 1.24 | 0.82 | 1.08 | 2.01 | 2.76 | 1.11 | 0.16 | 1.69 | 1.31 | 0.83 | 2.76 | |
| | DATE OF OCCURRENCE | 03-04 | 02 | 04-05 | 24 | 24-25 | 15 | 09-10 | 25-26 | 15-16 | 18-19 | 01 | 06-07 | JUL 09-10 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | PRECIPITATION ≥ 0.01 | 10 | 7 | 15 | 5 | 16 | 9 | 12 | 10 | 3 | 13 | 14 | 5 | 119 | |
| PRECIPITATION ≥ 0.10 | 5 | 1 | 6 | 5 | 10 | 5 | 9 | 5 | 1 | 10 | 7 | 3 | 67 | | |
| PRECIPITATION ≥ 1.00 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 2 | 0 | 7 | | |
| SNOWFALL | SNOW, ICE PELLETS, HAIL: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 6.1 | 2.7 | 1.8 | 0.0 | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.1 | T | 16.7 | |
| | GREATEST 24-HOUR (IN.) | 2.0 | 1.2 | 1.4 | 0.0 | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.7 | T | 5.7 | |
| | DATE OF OCCURRENCE | 25 | 02 | 16 | | 02 | | | | | | 24 | 25+ | NOV 24 | |
| | MAXIMUM SNOW DEPTH (IN.) | 4 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 4 | |
| | DATE OF OCCURRENCE | 29 | 01 | 16 | | | | | | | | 26+ | | NOV 26+ | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| SNOWFALL ≥ 1.0 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 6 | | |

NORMALS, MEANS, AND EXTREMES

SPRINGFIELD, IL (SPI)

LATITUDE: 39° 50' 43" N LONGITUDE: 89° 41' 02" W ELEVATION (FT): GRND: 591 BARO: 594 TIME ZONE: CENTRAL (UTC + 6) WBAN: 93822

| ELEMENT | | POR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR |
|----------------------|-----------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------|
| TEMPERATURE °F | NORMAL DAILY MAXIMUM | 30 | 33.1 | 38.9 | 51.1 | 63.4 | 74.4 | 83.3 | 86.5 | 84.5 | 78.5 | 66.6 | 50.9 | 38.0 | 62.4 |
| | MEAN DAILY MAXIMUM | 104 | 34.6 | 38.8 | 50.4 | 63.4 | 74.3 | 83.7 | 87.6 | 85.4 | 78.7 | 66.9 | 51.2 | 38.3 | 62.8 |
| | HIGHEST DAILY MAXIMUM | 57 | 71 | 74 | 87 | 90 | 95 | 103 | 112 | 103 | 101 | 93 | 83 | 74 | 112 |
| | YEAR OF OCCURRENCE | | 1950 | 1996 | 1981 | 1986 | 1967 | 1954 | 1954 | 1964 | 1984 | 1954 | 1950 | 1984 | JUL 1954 |
| | MEAN OF EXTREME MAXS. | 104 | 56.7 | 61.1 | 74.9 | 83.0 | 89.2 | 95.2 | 97.4 | 95.6 | 92.2 | 84.5 | 72.1 | 60.3 | 80.2 |
| | NORMAL DAILY MINIMUM | 30 | 17.1 | 22.2 | 32.4 | 42.2 | 52.7 | 61.9 | 66.0 | 63.9 | 55.4 | 44.4 | 33.7 | 22.6 | 42.9 |
| | MEAN DAILY MINIMUM | 104 | 19.0 | 22.5 | 32.0 | 42.6 | 53.1 | 62.6 | 66.7 | 64.6 | 56.6 | 45.7 | 33.9 | 23.4 | 43.6 |
| | LOWEST DAILY MINIMUM | 57 | -21 | -22 | -12 | 19 | 28 | 39 | 48 | 43 | 32 | 17 | -3 | -21 | -22 |
| | YEAR OF OCCURRENCE | | 1999 | 1963 | 1960 | 1997 | 1966 | 2003 | 1975 | 1986 | 2003 | 1952 | 1964 | 1989 | FEB 1963 |
| | MEAN OF EXTREME MINS. | 104 | -4.0 | 1.0 | 13.3 | 27.6 | 38.0 | 48.7 | 55.1 | 52.4 | 40.4 | 29.2 | 16.4 | 2.1 | 26.7 |
| | NORMAL DRY BULB | 30 | 25.1 | 30.6 | 41.8 | 52.8 | 63.6 | 72.6 | 76.3 | 74.2 | 67.0 | 55.5 | 42.3 | 30.3 | 52.7 |
| | MEAN DRY BULB | 104 | 26.9 | 30.5 | 41.2 | 53.1 | 63.6 | 73.1 | 77.2 | 74.9 | 67.8 | 56.4 | 42.6 | 30.8 | 53.2 |
| | MEAN WET BULB | 19 | 25.4 | 29.2 | 37.8 | 48.1 | 57.6 | 65.7 | 66.0 | 68.1 | 60.3 | 46.8 | 37.7 | 27.3 | 47.5 |
| | MEAN DEW POINT | 19 | 20.6 | 24.3 | 31.8 | 41.4 | 49.0 | 61.4 | 62.9 | 64.9 | 55.6 | 41.4 | 32.8 | 23.1 | 42.4 |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| MAXIMUM ≥ 90° | 30 | 0.0 | 0.0 | 0.0 | * | 1.4 | 6.7 | 10.7 | 6.9 | 3.2 | 0.1 | 0.0 | 0.0 | 29.0 | |
| MAXIMUM ≤ 32° | 30 | 14.2 | 8.6 | 2.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 8.4 | 34.6 | |
| MINIMUM ≤ 32° | 30 | 27.6 | 22.0 | 15.9 | 4.3 | * | 0.0 | 0.0 | 0.0 | 0.1 | 3.7 | 14.4 | 24.8 | 112.8 | |
| MINIMUM ≤ 0° | 30 | 4.1 | 2.5 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 8.5 | |
| H/C | NORMAL HEATING DEG. DAYS | 30 | 1239 | 979 | 726 | 376 | 126 | 14 | 1 | 4 | 77 | 319 | 674 | 1061 | 5596 |
| | NORMAL COOLING DEG. DAYS | 30 | 0 | 0 | 2 | 17 | 84 | 249 | 358 | 291 | 140 | 23 | 1 | 0 | 1165 |
| RH | NORMAL (PERCENT) | 30 | 76 | 75 | 71 | 66 | 67 | 70 | 72 | 75 | 72 | 69 | 74 | 79 | 72 |
| | HOUR 00 LST | 30 | 79 | 79 | 76 | 73 | 77 | 79 | 83 | 86 | 83 | 78 | 79 | 82 | 80 |
| | HOUR 06 LST | 30 | 81 | 82 | 82 | 80 | 81 | 84 | 87 | 90 | 89 | 84 | 83 | 84 | 84 |
| | HOUR 12 LST | 30 | 70 | 68 | 62 | 56 | 55 | 56 | 59 | 61 | 56 | 55 | 65 | 72 | 61 |
| | HOUR 18 LST | 30 | 74 | 72 | 63 | 56 | 55 | 56 | 61 | 65 | 62 | 62 | 71 | 77 | 64 |
| S | PERCENT POSSIBLE SUNSHINE | 48 | 48 | 52 | 51 | 56 | 63 | 68 | 71 | 70 | 68 | 63 | 48 | 44 | 58 |
| W/O | MEAN NO. DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG (VISBY ≤ 1/4 MI) | 57 | 2.7 | 2.6 | 1.9 | 0.9 | 0.9 | 0.5 | 0.7 | 1.3 | 1.1 | 1.1 | 1.5 | 2.5 | 17.7 |
| | THUNDERSTORMS | 57 | 0.5 | 0.7 | 2.5 | 5.1 | 6.9 | 7.5 | 8.0 | 6.7 | 3.9 | 2.4 | 1.6 | 0.6 | 46.4 |
| CLOUDINESS | MEAN: | | | | | | | | | | | | | | |
| | SUNRISE-SUNSET (OKTAS) | | | | | | | | | | | | | | |
| | MIDNIGHT-MIDNIGHT (OKTAS) | | | | | | | | | | | | | | |
| | MEAN NO. DAYS WITH: | | | | | | | | | | | | | | |
| | CLEAR | | | | | | | | | | | | | | |
| | PARTLY CLOUDY | | | | | | | | | | | | | | |
| | CLOUDY | | | | | | | | | | | | | | |
| PR | MEAN STATION PRESSURE (IN) | 30 | 29.46 | 29.44 | 29.35 | 29.31 | 29.30 | 29.30 | 29.34 | 29.40 | 29.40 | 29.42 | 29.41 | 29.46 | 29.38 |
| | MEAN SEA-LEVEL PRES. (IN) | 19 | 30.13 | 30.12 | 30.04 | 29.95 | 29.96 | 29.95 | 29.98 | 30.02 | 30.04 | 30.06 | 30.08 | 30.13 | 30.04 |
| WINDS | MEAN SPEED (MPH) | 45 | 12.3 | 12.1 | 13.0 | 12.8 | 10.9 | 9.3 | 8.0 | 7.7 | 8.6 | 10.0 | 12.2 | 12.1 | 10.8 |
| | PREVAIL. DIR (TENS OF DEGS) | 30 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| | MAXIMUM 2-MINUTE: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 9 | 39 | 51 | 46 | 61 | 46 | 43 | 52 | 44 | 32 | 40 | 40 | 36 | 61 |
| | DIR. (TENS OF DEGS) | | 25 | 29 | 26 | 30 | 28 | 16 | 04 | 33 | 28 | 25 | 28 | 17 | 30 |
| | YEAR OF OCCURRENCE | | 1996 | 2001 | 2002 | 2002 | 2001 | 1996 | 2001 | 1999 | 1997 | 2004 | 2003 | 2002 | APR 2002 |
| | MAXIMUM 5-SECOND: | | | | | | | | | | | | | | |
| SPEED (MPH) | 9 | 48 | 62 | 56 | 74 | 56 | 53 | 62 | 51 | 44 | 53 | 53 | 44 | 74 | |
| DIR. (TENS OF DEGS) | | 14 | 27 | 26 | 30 | 28 | 34 | 06 | 32 | 28 | 25 | 17 | 19 | 30 | |
| YEAR OF OCCURRENCE | | 1996 | 2001 | 2002 | 2002 | 2001 | 1998 | 2001 | 1999 | 1997 | 1996 | 1998 | 2002 | APR 2002 | |
| PRECIPITATION | NORMAL (IN) | 30 | 1.62 | 1.80 | 3.15 | 3.36 | 4.06 | 3.77 | 3.53 | 3.41 | 2.83 | 2.62 | 2.87 | 2.54 | 35.56 |
| | MAXIMUM MONTHLY (IN) | 57 | 5.67 | 4.89 | 7.89 | 9.91 | 10.72 | 9.22 | 10.76 | 8.37 | 8.57 | 6.41 | 6.94 | 8.94 | 10.76 |
| | YEAR OF OCCURRENCE | | 1949 | 1990 | 1973 | 1964 | 1996 | 1990 | 1981 | 1986 | 1991 | 1985 | 1982 | JUL 1981 | |
| | MINIMUM MONTHLY (IN) | 57 | 0.04 | 0.47 | 0.63 | 0.73 | 0.52 | 0.23 | 0.89 | 0.46 | T | 0.16 | 0.25 | 0.15 | T |
| | YEAR OF OCCURRENCE | | 1986 | 2004 | 1956 | 1971 | 1992 | 1959 | 1997 | 1992 | 1979 | 1964 | 1999 | 1955 | SEP 1979 |
| | MAXIMUM IN 24 HOURS (IN) | 57 | 2.78 | 2.54 | 2.84 | 4.45 | 3.95 | 4.73 | 4.43 | 4.79 | 5.12 | 3.51 | 2.74 | 6.12 | 6.12 |
| | YEAR OF OCCURRENCE | | 1975 | 1990 | 1972 | 1979 | 1990 | 1958 | 1981 | 1956 | 1959 | 1973 | 2003 | 1982 | DEC 1982 |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| PRECIPITATION ≥ 0.01 | 30 | 9.1 | 8.5 | 11.4 | 11.4 | 11.0 | 9.6 | 8.6 | 8.3 | 8.0 | 8.3 | 9.8 | 9.9 | 113.9 | |
| PRECIPITATION ≥ 1.00 | 30 | 0.2 | 0.3 | 0.8 | 0.7 | 1.0 | 0.9 | 1.0 | 0.9 | 0.7 | 0.6 | 0.5 | 0.6 | 8.2 | |
| SNOWFALL | NORMAL (IN) | 30 | 7.4 | 5.8 | 3.4 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.* | 1.6 | 6.0 | 24.9 |
| | MAXIMUM MONTHLY (IN) | 57 | 21.1 | 16.0 | 20.3 | 7.3 | T | 0.0 | T | 0.0 | 0.0 | 0.3 | 9.2 | 22.7 | 22.7 |
| | YEAR OF OCCURRENCE | | 1977 | 1993 | 1960 | 1980 | 1996 | | 1994 | | 1989 | 1951 | 1973 | DEC 1973 | |
| | MAXIMUM IN 24 HOURS (IN) | 57 | 8.8 | 10.3 | 8.2 | 6.1 | T | 0.0 | T | 0.0 | 0.0 | 0.3 | 8.0 | 10.9 | 10.9 |
| | YEAR OF OCCURRENCE | | 1964 | 1965 | 1978 | 1980 | 1996 | | 1994 | | 1989 | 1951 | 1973 | DEC 1973 | |
| | MAXIMUM SNOW DEPTH (IN) | 103 | 16 | 12 | 16 | 5 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 15 | 16 |
| | YEAR OF OCCURRENCE | | 1918 | 1965 | 1978 | 1920 | | | | | 1929 | 1951 | 1973 | MAR 1978 | |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| SNOWFALL ≥ 1.0 | 30 | 2.2 | 1.6 | 0.9 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.7 | 7.1 | |

PRECIPITATION (inches) 2004 SPRINGFIELD, IL (SPI)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------------|------|------|------|------|-------|------|-------|------|------|------|------|------|--------|
| 1975 | 4.28 | 3.63 | 1.91 | 2.89 | 5.90 | 4.38 | 2.71 | 3.34 | 2.84 | 1.37 | 2.50 | 1.91 | 37.66 |
| 1976 | 0.98 | 3.67 | 5.60 | 1.07 | 1.96 | 1.41 | 2.29 | 2.33 | 2.20 | 3.00 | 0.53 | 0.66 | 25.70 |
| 1977 | 1.51 | 1.21 | 5.09 | 2.78 | 5.78 | 4.26 | 1.16 | 5.95 | 5.94 | 5.16 | 1.63 | 2.24 | 42.71 |
| 1978 | 0.72 | 0.83 | 4.20 | 2.84 | 5.81 | 1.73 | 2.99 | 4.04 | 1.58 | 1.57 | 2.13 | 3.39 | 31.83 |
| 1979 | 1.90 | 1.09 | 3.75 | 7.17 | 1.32 | 0.94 | 4.63 | 2.85 | T | 1.34 | 1.98 | 2.36 | 29.33 |
| 1980 | 0.72 | 1.42 | 4.29 | 2.22 | 2.22 | 3.23 | 2.08 | 3.91 | 4.95 | 1.47 | 0.57 | 1.99 | 29.07 |
| 1981 | 0.43 | 2.12 | 2.27 | 4.57 | 6.17 | 5.80 | 10.76 | 8.37 | 1.13 | 1.94 | 2.21 | 2.35 | 48.12 |
| 1982 | 4.48 | 1.81 | 3.04 | 3.40 | 4.12 | 2.54 | 2.53 | 3.68 | 2.75 | 2.69 | 4.50 | 8.94 | 44.48 |
| 1983 | 0.46 | 0.96 | 3.44 | 5.02 | 4.53 | 2.62 | 1.60 | 0.84 | 1.36 | 3.63 | 4.71 | 3.50 | 32.67 |
| 1984 | 0.70 | 1.97 | 4.00 | 5.45 | 6.32 | 2.26 | 3.46 | 0.63 | 4.80 | 4.74 | 4.36 | 3.91 | 42.60 |
| 1985 | 0.65 | 2.96 | 4.19 | 1.46 | 1.75 | 5.82 | 2.95 | 6.03 | 0.64 | 3.08 | 6.94 | 2.43 | 38.90 |
| 1986 | 0.04 | 1.80 | 1.45 | 1.57 | 2.56 | 6.23 | 5.39 | 1.13 | 8.57 | 3.63 | 1.95 | 1.40 | 35.72 |
| 1987 | 1.46 | 0.73 | 2.08 | 2.59 | 0.56 | 4.08 | 4.12 | 3.23 | 0.99 | 1.26 | 3.25 | 5.00 | 29.35 |
| 1988 | 2.17 | 1.39 | 2.69 | 1.27 | 1.76 | 0.62 | 1.74 | 1.56 | 2.84 | 1.68 | 4.37 | 3.22 | 25.31 |
| 1989 | 0.88 | 1.27 | 1.68 | 5.50 | 4.18 | 0.89 | 3.13 | 2.57 | 5.49 | 1.02 | 0.84 | 0.58 | 28.03 |
| 1990 | 1.49 | 4.89 | 3.41 | 1.28 | 8.84 | 9.22 | 5.48 | 2.68 | 1.91 | 5.03 | 3.47 | 4.97 | 52.67 |
| 1991 | 1.29 | 0.71 | 2.64 | 3.57 | 5.74 | 1.26 | 3.22 | 4.03 | 4.35 | 6.41 | 3.31 | 1.38 | 37.91 |
| 1992 | 1.03 | 1.59 | 2.39 | 2.82 | 0.52 | 2.31 | 6.86 | 0.46 | 1.54 | 1.47 | 6.14 | 2.36 | 29.49 |
| 1993 | 3.97 | 1.48 | 2.48 | 4.59 | 2.05 | 7.26 | 9.46 | 3.21 | 6.05 | 2.92 | 3.04 | 1.07 | 47.58 |
| 1994 | 1.15 | 1.01 | 1.27 | 8.16 | 3.99 | 6.05 | 1.93 | 3.19 | 0.93 | 2.73 | 3.09 | 1.99 | 35.49 |
| 1995 | 4.01 | 0.51 | 3.41 | 2.71 | 7.54 | 1.29 | 2.70 | 3.67 | 0.65 | 2.24 | 1.38 | 1.34 | 31.45 |
| 1996 | 1.54 | 1.04 | 1.93 | 3.93 | 10.72 | 1.95 | 3.32 | 1.81 | 1.12 | 1.59 | 2.96 | 0.72 | 32.63 |
| 1997 | 1.58 | 2.74 | 2.50 | 1.48 | 3.10 | 1.54 | 0.89 | 4.64 | 3.53 | 1.79 | 4.50 | 1.75 | 30.04 |
| 1998 | 2.43 | 2.71 | 4.63 | 4.05 | 5.65 | 8.81 | 3.32 | 5.30 | 1.27 | 3.30 | 2.81 | 0.64 | 44.92 |
| 1999 | 1.94 | 2.15 | 0.97 | 4.61 | 2.90 | 2.95 | 2.08 | 4.64 | 2.42 | 1.78 | 0.25 | 2.20 | 28.89 |
| 2000 | 0.54 | 1.27 | 2.80 | 1.94 | 1.35 | 7.46 | 3.16 | 3.33 | 2.92 | 2.55 | 2.99 | 0.91 | 31.22 |
| 2001 | 2.06 | 3.01 | 1.11 | 1.99 | 3.50 | 4.42 | 3.41 | 3.34 | 2.50 | 4.96 | 2.61 | 2.09 | 35.00 |
| 2002 | 2.45 | 1.38 | 2.08 | 6.48 | 7.86 | 5.29 | 2.62 | 5.41 | 1.22 | 3.12 | 0.51 | 1.70 | 40.12 |
| 2003 | 0.76 | 1.15 | 1.79 | 2.83 | 3.17 | 6.77 | 3.91 | 3.82 | 1.58 | 2.99 | 4.58 | 1.42 | 34.77 |
| 2004 | 1.40 | 0.47 | 3.31 | 2.48 | 3.60 | 3.61 | 5.16 | 2.66 | 0.24 | 5.25 | 4.91 | 1.23 | 34.32 |
| POR= 125 YRS | 1.93 | 2.00 | 3.04 | 3.57 | 4.12 | 4.04 | 3.21 | 3.08 | 3.21 | 2.65 | 2.55 | 2.09 | 35.49 |

WBAN : 93822

AVERAGE TEMPERATURE (°F) 2004 SPRINGFIELD, IL (SPI)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1975 | 31.1 | 29.4 | 37.4 | 50.4 | 66.5 | 73.6 | 74.7 | 76.6 | 63.8 | 57.7 | 47.1 | 33.4 | 53.5 |
| 1976 | 23.5 | 39.6 | 45.4 | 55.0 | 59.7 | 72.4 | 77.4 | 71.6 | 65.2 | 49.4 | 34.6 | 24.1 | 51.5 |
| 1977 | 10.3 | 29.5 | 47.6 | 59.9 | 71.0 | 71.6 | 79.4 | 72.8 | 68.6 | 53.8 | 42.8 | 27.0 | 52.9 |
| 1978 | 15.6 | 16.7 | 33.6 | 53.9 | 62.3 | 74.2 | 76.3 | 73.1 | 70.9 | 53.7 | 45.2 | 31.4 | 50.6 |
| 1979 | 12.4 | 17.1 | 40.3 | 50.4 | 64.0 | 74.9 | 75.4 | 74.0 | 67.7 | 55.7 | 42.0 | 35.8 | 50.8 |
| 1980 | 27.8 | 21.8 | 37.1 | 51.1 | 64.6 | 72.0 | 81.4 | 79.3 | 68.7 | 52.8 | 42.3 | 31.7 | 52.6 |
| 1981 | 26.4 | 32.4 | 44.1 | 60.4 | 60.3 | 74.9 | 77.1 | 73.8 | 67.2 | 54.6 | 45.3 | 26.8 | 53.6 |
| 1982 | 17.0 | 24.2 | 40.3 | 48.1 | 70.0 | 68.3 | 77.1 | 72.5 | 66.1 | 55.4 | 43.0 | 38.8 | 51.7 |
| 1983 | 28.7 | 34.9 | 40.6 | 47.8 | 59.9 | 73.8 | 80.4 | 80.0 | 69.1 | 57.2 | 45.7 | 16.1 | 52.9 |
| 1984 | 22.3 | 35.9 | 31.8 | 50.4 | 60.3 | 75.2 | 74.5 | 76.9 | 65.7 | 59.9 | 41.7 | 35.9 | 52.5 |
| 1985 | 18.5 | 24.9 | 45.7 | 57.8 | 65.2 | 69.7 | 74.3 | 70.8 | 67.9 | 58.1 | 42.8 | 21.5 | 51.4 |
| 1986 | 29.1 | 26.9 | 45.3 | 57.4 | 65.9 | 74.7 | 78.8 | 70.0 | 70.4 | 56.1 | 37.9 | 32.6 | 53.8 |
| 1987 | 26.1 | 36.6 | 45.4 | 54.7 | 70.5 | 75.4 | 78.8 | 75.3 | 67.6 | 50.6 | 46.2 | 34.6 | 55.2 |
| 1988 | 25.6 | 25.6 | 41.5 | 52.8 | 65.8 | 73.8 | 78.6 | 78.7 | 68.7 | 49.7 | 43.0 | 31.6 | 53.0 |
| 1989 | 36.0 | 20.3 | 40.6 | 52.3 | 59.3 | 70.5 | 75.4 | 73.3 | 63.8 | 56.9 | 42.0 | 18.7 | 50.8 |
| 1990 | 37.1 | 36.1 | 45.5 | 50.8 | 59.9 | 73.1 | 75.2 | 74.0 | 68.4 | 53.5 | 47.8 | 30.0 | 54.3 |
| 1991 | 24.0 | 35.3 | 45.1 | 57.3 | 69.2 | 75.6 | 75.3 | 74.5 | 66.8 | 55.8 | 38.5 | 34.7 | 54.3 |
| 1992 | 32.1 | 38.1 | 43.7 | 52.2 | 62.3 | 69.6 | 74.3 | 70.9 | 67.0 | 56.1 | 42.4 | 32.8 | 53.5 |
| 1993 | 29.8 | 27.6 | 38.6 | 50.9 | 64.3 | 72.0 | 77.2 | 76.0 | 62.4 | 52.9 | 40.5 | 33.1 | 52.1 |
| 1994 | 21.4 | 29.4 | 42.9 | 53.9 | 62.3 | 75.2 | 75.4 | 72.8 | 66.7 | 57.8 | 47.8 | 37.3 | 53.6 |
| 1995 | 26.4 | 30.3 | 45.1 | 51.6 | 61.2 | 73.7 | 78.3 | 80.2 | 64.7 | 56.0 | 37.5 | 28.0 | 52.8 |
| 1996 | 23.2 | 31.4 | 36.0 | 49.3 | 63.3 | 72.5 | 72.1 | 73.6 | 64.2 | 55.6 | 35.3 | 31.5 | 50.7 |
| 1997 | 20.4 | 34.4 | 43.4 | 48.2 | 58.8 | 70.9 | 75.6 | 71.8 | 66.7 | 56.4 | 39.2 | 32.4 | 51.5 |
| 1998 | 32.7 | 40.4 | 40.4 | 53.0 | 68.3 | 71.7 | 75.4 | 74.9 | 71.1 | 56.7 | 46.0 | 34.0 | 55.4 |
| 1999 | 25.1 | 37.3 | 38.7 | 55.0 | 64.7 | 72.3 | 77.9 | 71.5 | 64.5 | 54.9 | 48.4 | 33.9 | 53.7 |
| 2000 | 27.5 | 39.0 | 46.2 | 52.2 | 65.9 | 69.8 | 73.5 | 75.4 | 67.1 | 58.1 | 38.1 | 17.4 | 52.5 |
| 2001 | 25.8 | 31.4 | 37.4 | 59.4 | 65.2 | 70.4 | 76.6 | 74.1 | 64.4 | 54.1 | 49.9 | 35.5 | 53.7 |
| 2002 | 34.0 | 35.1 | 38.3 | 54.5 | 60.0 | 74.8 | 78.0 | 75.0 | 68.9 | 51.5 | 39.7 | 33.2 | 53.6 |
| 2003 | 22.1 | 26.2 | 43.0 | 54.2 | 61.3 | 68.5 | 75.0 | 75.3 | 62.9 | 54.9 | 44.8 | 34.7 | 51.9 |
| 2004 | 24.8 | 31.2 | 45.4 | 55.3 | 67.1 | 69.4 | 73.1 | 68.8 | 68.2 | 55.5 | 45.7 | 33.2 | 53.1 |
| POR= 125 YRS | 27.0 | 30.5 | 40.9 | 53.3 | 63.7 | 73.1 | 77.2 | 74.9 | 67.8 | 56.4 | 42.5 | 31.2 | 53.2 |

HEATING DEGREE DAYS (base 65°F) 2004 SPRINGFIELD, IL (SPI)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|-----|------|------|------|------|-----|-----|-----|-------|
| 1975-76 | 10 | 0 | 125 | 253 | 528 | 973 | 1280 | 732 | 601 | 321 | 188 | 2 | 5013 |
| 1976-77 | 0 | 3 | 84 | 497 | 905 | 1260 | 1693 | 989 | 532 | 222 | 44 | 12 | 6241 |
| 1977-78 | 0 | 2 | 21 | 340 | 661 | 1172 | 1521 | 1348 | 968 | 334 | 186 | 4 | 6557 |
| 1978-79 | 0 | 0 | 36 | 349 | 591 | 1035 | 1627 | 1336 | 758 | 435 | 119 | 0 | 6286 |
| 1979-80 | 0 | 9 | 50 | 323 | 684 | 898 | 1146 | 1249 | 857 | 421 | 95 | 8 | 5740 |
| 1980-81 | 0 | 0 | 49 | 395 | 675 | 1028 | 1193 | 906 | 648 | 181 | 184 | 0 | 5259 |
| 1981-82 | 0 | 0 | 51 | 332 | 581 | 1175 | 1483 | 1139 | 760 | 502 | 9 | 20 | 6052 |
| 1982-83 | 0 | 5 | 86 | 325 | 656 | 806 | 1117 | 836 | 749 | 510 | 169 | 14 | 5273 |
| 1983-84 | 0 | 0 | 75 | 269 | 574 | 1512 | 1320 | 835 | 1023 | 446 | 170 | 1 | 6225 |
| 1984-85 | 0 | 0 | 127 | 194 | 691 | 899 | 1437 | 1116 | 601 | 262 | 67 | 32 | 5426 |
| 1985-86 | 0 | 11 | 99 | 223 | 658 | 1340 | 1105 | 1060 | 618 | 261 | 74 | 1 | 5450 |
| 1986-87 | 0 | 19 | 25 | 284 | 807 | 999 | 1199 | 788 | 599 | 325 | 34 | 0 | 5079 |
| 1987-88 | 0 | 3 | 44 | 440 | 565 | 934 | 1216 | 1139 | 720 | 360 | 59 | 11 | 5491 |
| 1988-89 | 0 | 5 | 33 | 475 | 654 | 1027 | 890 | 1242 | 749 | 405 | 224 | 19 | 5723 |
| 1989-90 | 0 | 4 | 106 | 269 | 683 | 1431 | 856 | 803 | 613 | 459 | 168 | 10 | 5402 |
| 1990-91 | 7 | 2 | 72 | 360 | 512 | 1080 | 1262 | 827 | 612 | 243 | 69 | 0 | 5046 |
| 1991-92 | 0 | 0 | 120 | 295 | 787 | 932 | 1007 | 771 | 651 | 382 | 154 | 20 | 5119 |
| 1992-93 | 0 | 8 | 82 | 296 | 671 | 991 | 1083 | 1041 | 813 | 419 | 85 | 35 | 5524 |
| 1993-94 | 0 | 0 | 117 | 382 | 730 | 979 | 1347 | 992 | 679 | 351 | 142 | 12 | 5731 |
| 1994-95 | 0 | 4 | 64 | 242 | 512 | 851 | 1187 | 964 | 610 | 395 | 141 | 7 | 4977 |
| 1995-96 | 0 | 0 | 109 | 289 | 820 | 1140 | 1289 | 973 | 892 | 462 | 144 | 19 | 6137 |
| 1996-97 | 1 | 0 | 97 | 305 | 884 | 1031 | 1375 | 852 | 664 | 500 | 212 | 20 | 5941 |
| 1997-98 | 2 | 5 | 57 | 342 | 768 | 1003 | 993 | 681 | 768 | 354 | 39 | 37 | 5049 |
| 1998-99 | 0 | 0 | 17 | 266 | 567 | 953 | 1231 | 771 | 807 | 305 | 77 | 21 | 5015 |
| 1999-00 | 0 | 0 | 100 | 319 | 496 | 955 | 1155 | 748 | 581 | 376 | 89 | 24 | 4843 |
| 2000-01 | 0 | 1 | 78 | 244 | 804 | 1470 | 1208 | 933 | 852 | 220 | 109 | 34 | 5953 |
| 2001-02 | 0 | 0 | 103 | 339 | 443 | 907 | 954 | 829 | 820 | 357 | 197 | 1 | 4950 |
| 2002-03 | 0 | 0 | 36 | 443 | 751 | 980 | 1321 | 1082 | 675 | 336 | 134 | 44 | 5802 |
| 2003-04 | 0 | 0 | 113 | 315 | 599 | 932 | 1241 | 973 | 604 | 313 | 93 | 20 | 5203 |
| 2004- | 0 | 33 | 29 | 296 | 572 | 979 | | | | | | | |

WBAN : 93822

COOLING DEGREE DAYS (base 65°F) 2004 SPRINGFIELD, IL (SPI)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 1975 | 0 | 0 | 0 | 2 | 115 | 271 | 315 | 367 | 94 | 36 | 0 | 0 | 1200 |
| 1976 | 0 | 0 | 3 | 28 | 34 | 228 | 393 | 214 | 98 | 23 | 0 | 0 | 1021 |
| 1977 | 0 | 0 | 0 | 76 | 238 | 217 | 452 | 251 | 134 | 0 | 1 | 0 | 1369 |
| 1978 | 0 | 0 | 1 | 8 | 107 | 289 | 358 | 258 | 222 | 5 | 5 | 0 | 1253 |
| 1979 | 0 | 0 | 0 | 2 | 93 | 305 | 327 | 295 | 138 | 41 | 0 | 0 | 1201 |
| 1980 | 0 | 0 | 0 | 10 | 88 | 228 | 515 | 452 | 169 | 20 | 0 | 0 | 1482 |
| 1981 | 0 | 0 | 8 | 50 | 43 | 303 | 380 | 280 | 121 | 13 | 0 | 0 | 1198 |
| 1982 | 0 | 0 | 0 | 1 | 173 | 131 | 379 | 244 | 126 | 32 | 1 | 1 | 1088 |
| 1983 | 0 | 0 | 1 | 1 | 17 | 289 | 483 | 471 | 205 | 34 | 0 | 0 | 1501 |
| 1984 | 0 | 0 | 0 | 16 | 30 | 312 | 303 | 375 | 155 | 44 | 0 | 1 | 1236 |
| 1985 | 0 | 0 | 7 | 52 | 80 | 178 | 293 | 202 | 191 | 17 | 0 | 0 | 1020 |
| 1986 | 0 | 0 | 14 | 38 | 109 | 299 | 434 | 182 | 193 | 14 | 0 | 0 | 1283 |
| 1987 | 0 | 0 | 0 | 21 | 212 | 318 | 436 | 329 | 130 | 0 | 8 | 0 | 1454 |
| 1988 | 0 | 0 | 0 | 3 | 93 | 281 | 430 | 437 | 150 | 6 | 0 | 0 | 1400 |
| 1989 | 0 | 0 | 2 | 30 | 57 | 190 | 332 | 268 | 77 | 24 | 0 | 0 | 980 |
| 1990 | 0 | 0 | 14 | 39 | 18 | 261 | 328 | 289 | 182 | 12 | 1 | 0 | 1144 |
| 1991 | 0 | 0 | 5 | 20 | 207 | 327 | 326 | 302 | 184 | 18 | 0 | 0 | 1389 |
| 1992 | 0 | 0 | 0 | 4 | 75 | 166 | 294 | 199 | 150 | 28 | 0 | 0 | 916 |
| 1993 | 0 | 0 | 0 | 1 | 71 | 253 | 386 | 352 | 46 | 13 | 0 | 0 | 1122 |
| 1994 | 0 | 0 | 0 | 26 | 67 | 327 | 329 | 257 | 123 | 27 | 2 | 0 | 1158 |
| 1995 | 0 | 0 | 0 | 0 | 33 | 276 | 418 | 479 | 105 | 16 | 0 | 0 | 1327 |
| 1996 | 0 | 0 | 0 | 0 | 99 | 250 | 231 | 274 | 80 | 20 | 0 | 0 | 954 |
| 1997 | 0 | 0 | 0 | 0 | 28 | 204 | 341 | 223 | 115 | 81 | 0 | 0 | 992 |
| 1998 | 0 | 0 | 11 | 0 | 145 | 246 | 327 | 312 | 207 | 15 | 0 | 1 | 1264 |
| 1999 | 0 | 0 | 0 | 12 | 74 | 249 | 409 | 210 | 94 | 14 | 1 | 0 | 1063 |
| 2000 | 0 | 0 | 4 | 0 | 123 | 174 | 273 | 332 | 148 | 37 | 3 | 0 | 1094 |
| 2001 | 0 | 0 | 0 | 60 | 122 | 203 | 365 | 288 | 88 | 8 | 0 | 0 | 1134 |
| 2002 | 0 | 0 | 0 | 50 | 51 | 301 | 413 | 321 | 162 | 34 | 0 | 0 | 1332 |
| 2003 | 0 | 0 | 0 | 20 | 29 | 156 | 318 | 327 | 57 | 8 | 1 | 0 | 916 |
| 2004 | 0 | 0 | 0 | 28 | 165 | 161 | 257 | 157 | 133 | 9 | 0 | 0 | 910 |

SNOWFALL (inches) 2004 SPRINGFIELD, IL (SPI)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|----------------|-----|-----|-----|-----|-----|------|------|------|------|-----|-----|-----|-------|
| 1975-76 | 0.0 | 0.0 | 0.0 | 0.0 | 8.5 | 4.3 | 8.5 | 2.1 | 2.2 | 0.0 | 0.0 | 0.0 | 25.6 |
| 1976-77 | 0.0 | 0.0 | 0.0 | T | T | 6.9 | 21.1 | 8.9 | 0.6 | 1.1 | 0.0 | 0.0 | 38.6 |
| 1977-78 | 0.0 | 0.0 | 0.0 | 0.0 | 6.4 | 8.9 | 8.9 | 9.4 | 18.5 | T | 0.0 | 0.0 | 52.1 |
| 1978-79 | 0.0 | 0.0 | 0.0 | 0.0 | T | 3.2 | 15.9 | 4.6 | 8.1 | T | 0.0 | 0.0 | 31.8 |
| 1979-80 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.1 | 5.1 | 11.7 | 5.5 | 7.3 | 0.0 | 0.0 | 30.5 |
| 1980-81 | 0.0 | 0.0 | 0.0 | T | 3.5 | 2.1 | 2.7 | 8.6 | 0.6 | 0.0 | 0.0 | 0.0 | 17.5 |
| 1981-82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 21.6 | 12.0 | 11.4 | 0.7 | 4.6 | 0.0 | 0.0 | 50.4 |
| 1982-83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.9 | 2.4 | 1.3 | 5.4 | 0.2 | 0.0 | 0.0 | 10.4 |
| 1983-84 | 0.0 | 0.0 | 0.0 | T | T | 16.2 | 3.9 | 9.8 | 5.7 | 0.0 | 0.0 | 0.0 | 35.6 |
| 1984-85 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 0.7 | 9.3 | 2.5 | T | T | 0.0 | 0.0 | 14.3 |
| 1985-86 | 0.0 | 0.0 | 0.0 | 0.0 | T | 4.3 | 0.2 | 15.1 | 0.6 | 0.1 | 0.0 | 0.0 | 20.3 |
| 1986-87 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | T | 20.3 | T | 0.0 | 0.0 | 0.0 | 0.0 | 20.8 |
| 1987-88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 5.7 | 0.4 | 10.2 | 5.0 | 0.0 | 0.0 | 0.0 | 21.4 |
| 1988-89 | 0.0 | 0.0 | 0.0 | 0.0 | T | 5.5 | 0.3 | 13.7 | 5.2 | T | T | 0.0 | 24.7 |
| 1989-90 | 0.0 | 0.0 | 0.0 | 0.3 | T | 6.7 | 0.6 | 0.5 | 1.2 | T | 0.0 | 0.0 | 9.3 |
| 1990-91 | 0.0 | 0.0 | 0.0 | 0.0 | T | 9.4 | 6.8 | 0.8 | 3.1 | 0.0 | 0.0 | 0.0 | 20.1 |
| 1991-92 | 0.0 | 0.0 | 0.0 | T | 3.2 | 0.5 | 4.6 | 0.9 | 2.2 | T | 0.0 | 0.0 | 11.4 |
| 1992-93 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 2.5 | 7.0 | 16.0 | 2.9 | 0.4 | 0.0 | 0.0 | 30.0 |
| 1993-94 | 0.0 | 0.0 | 0.0 | 0.2 | 0.8 | 1.7 | 5.8 | 4.4 | 0.9 | 2.7 | T | 0.0 | 16.5 |
| 1994-95 | T | 0.0 | 0.0 | 0.0 | T | 0.2 | 3.7 | 4.4 | 0.2 | 0.0 | 0.0 | 0.0 | 8.5 |
| 1995-96 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 5.9 | 11.2 | 1.1 | 1.6 | 0.0 | T | 0.0 | 21.0 |
| 1996-97 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 2.4 | 19.3 | T | T | T | 0.0 | 0.0 | 21.9 |
| 1997-98 | 0.0 | 0.0 | 0.0 | T | 1.2 | 7.6 | 3.5 | 0.0 | 6.9 | 0.0 | 0.0 | 0.0 | 19.2 |
| 1998-99 | 0.0 | 0.0 | 0.0 | 0.0 | T | 2.5 | 16.1 | 3.2 | 6.4 | T | 0.0 | 0.0 | 28.2 |
| 1999-00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | 6.8 | 0.3 | 5.5 | T | 0.0 | 0.0 | 15.0 |
| 2000-01 | 0.0 | 0.0 | 0.0 | 0.0 | T | 10.0 | 2.1 | 0.9 | 0.4 | T | 0.0 | 0.0 | 13.4 |
| 2001-02 | 0.0 | 0.0 | 0.0 | 0.0 | T | 3.3 | 1.1 | 4.0 | 2.4 | 0.0 | 0.0 | 0.0 | 10.8 |
| 2002-03 | 0.0 | 0.0 | 0.0 | 0.0 | T | 5.3 | 9.1 | 10.5 | 0.2 | T | 0.0 | 0.0 | 25.1 |
| 2003-04 | 0.0 | 0.0 | 0.0 | 0.0 | T | 3.7 | 6.1 | 2.7 | 1.8 | 0.0 | T | 0.0 | 14.3 |
| 2004- | 0.0 | 0.0 | 0.0 | 0.0 | 6.1 | T | | | | | | | |
| POR= 56 YRS | T | 0.0 | 0.0 | 0.0 | 1.8 | 5.0 | 6.1 | 5.6 | 3.6 | 0.7 | T | 0.0 | 22.8 |

WBAN : 93822

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 (1971 - 2000). 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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2004
SPRINGFIELD,
ILLINOIS (SPI)

The location of Springfield near the center of North America gives it a typical continental climate with warm summers and fairly cold winters. The surrounding country is nearly level. There are no large hills in the vicinity, but rolling terrain is found near the Sangamon River and Spring Creek.

Monthly temperatures range from the upper 20s for January to the upper 70s for July. Considerable variation may take place within the seasons. Temperatures of 70 degrees or higher may occur in winter and temperatures near 50 degrees are sometimes recorded during the summer months.

There are no wet and dry seasons. Monthly precipitation ranges from a little over 4 inches in May and June to about 2 inches in January. There is some variation in rainfall totals from year to year. Thunderstorms are common during hot weather, and these are sometimes locally severe with brief but heavy showers. The average year has about fifty thunderstorms of which two-thirds occur during the months of May through August. Damaging hail accompanies only a few of the thunderstorms and the areas affected are usually small.

Sunshine is particularly abundant during the summer months when days are long and not very cloudy. January is the cloudiest month, with only about a third as much sunshine as July or August. March is the windiest month, and August the month with the least wind. Velocities of more than 40 mph are not unusual for brief periods in most months of the year. The prevailing wind direction is southerly during most of the year with northwesterly winds during the late fall and early spring months.

An overall description of the climate of Springfield would be one indicating pleasant conditions with sharp seasonal changes, but no extended periods of severely cold weather. Summer weather is often uncomfortably warm and humid.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is October 19 and the average last occurrence in the spring is April 17.

STATION LOCATION

SPRINGFIELD, ILLINOIS

| LOCATION | Occupied From | Occupied To | Airline Distances and Directions from previous Location | LATITUDE NORTH | LONGITUDE WEST | ELEVATION ABOVE | | | | | | | | | | AUTOMATIC OBSERVING EQUIPMENT * | * TYPE M = AMOS T = AUTOB S = ASOS W = AWOS REMARKS |
|-----------------------------------|---------------|-------------|---|----------------|----------------|-----------------|-----------|--------|---------|--------------|----------|---------------|----------|----------|------------|--|--|
| | | | | | | SEA LEVEL | | GROUND | | | | | | | | | |
| | | | | | | GROUND | SEA LEVEL | WIND | EXTREME | PSYCHROMETER | SUNSHINE | TIPPING GAUGE | WEIGHING | 8 INCH | HYGROMETER | | |
| *NOTE: <u>AIRPORT</u> | | | | | | | | | | | | | | | | | |
| Capital Airport | 11/1/47 | 3/5/80 | 6.2 mi. NNE | 39°50' | 89°40' | 589 g588 | 49 i20 | 6 | 6 | Unk f38 j40 | 4 g3 | 4 | 4 g3 | h4 | | f. Effective 12/8/56. g. Effective 12/4/58. h. Commissioned 2/1/60. i. Moved to field site 12/8/61. j. Effective 12/18/66. | |
| Services Building Capital Airport | 3/5/80 | 12/01/95 | 0.75 mi. N | 39°51' | 89°41' | 588 | k20 m31 | 4 n4 | 4 n4 | 7 n7 | 4 n4 | 4 n4 | 4 n4 | k4 m4 p4 | | k. Not moved 3/5/80. m. Moved to new site 9/23/80. n. Moved 180 ft. SSW 9/17/82. p. Type change 4/5/85. | |
| Capital Airport | 12/01/95 | Present | NA | 39°51' | 89°41' | q591 | | | | | | | | S | | ASOS Commissioned 12/01/95 q. Ground elevation. | |

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* NOTES: For earlier station history see previous editions.