

2005

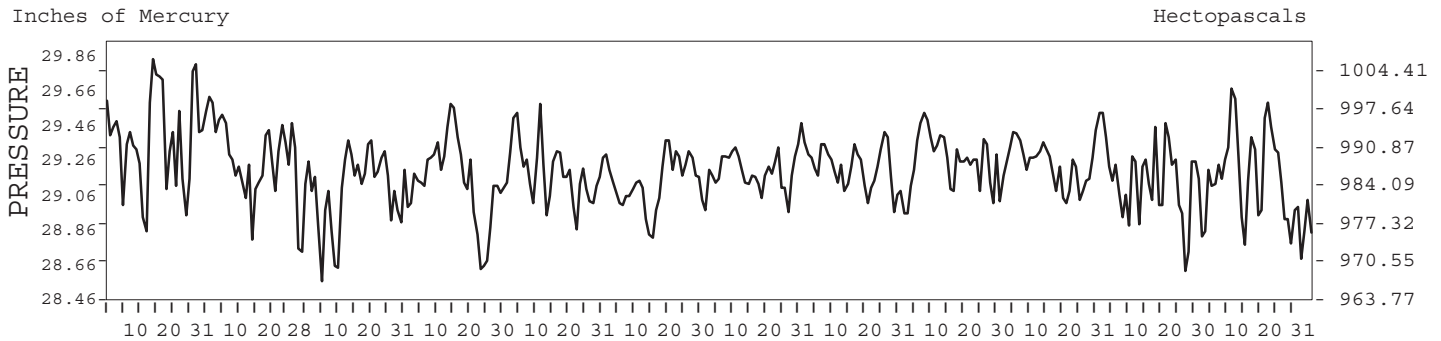
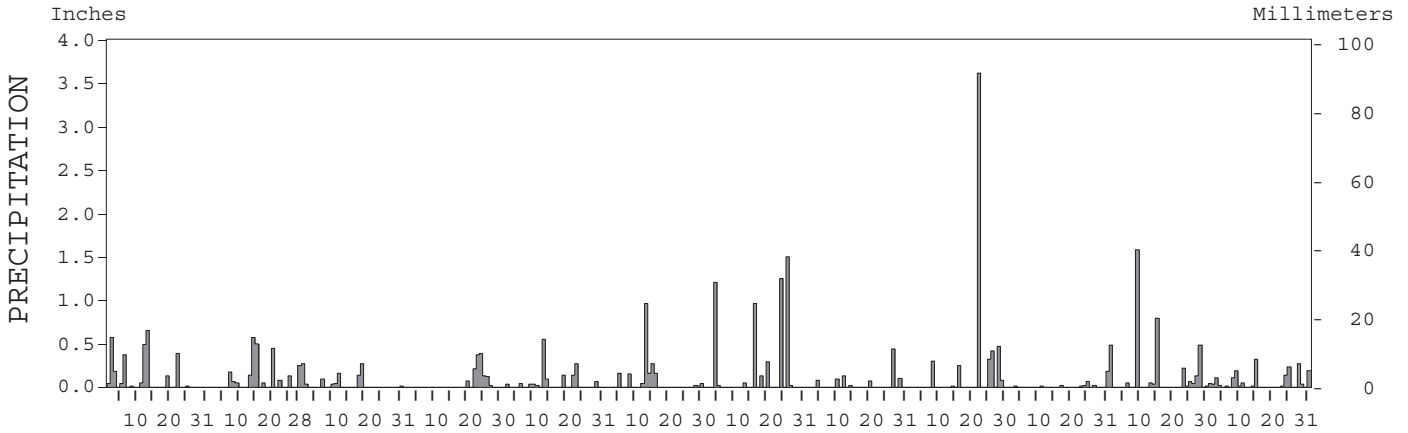
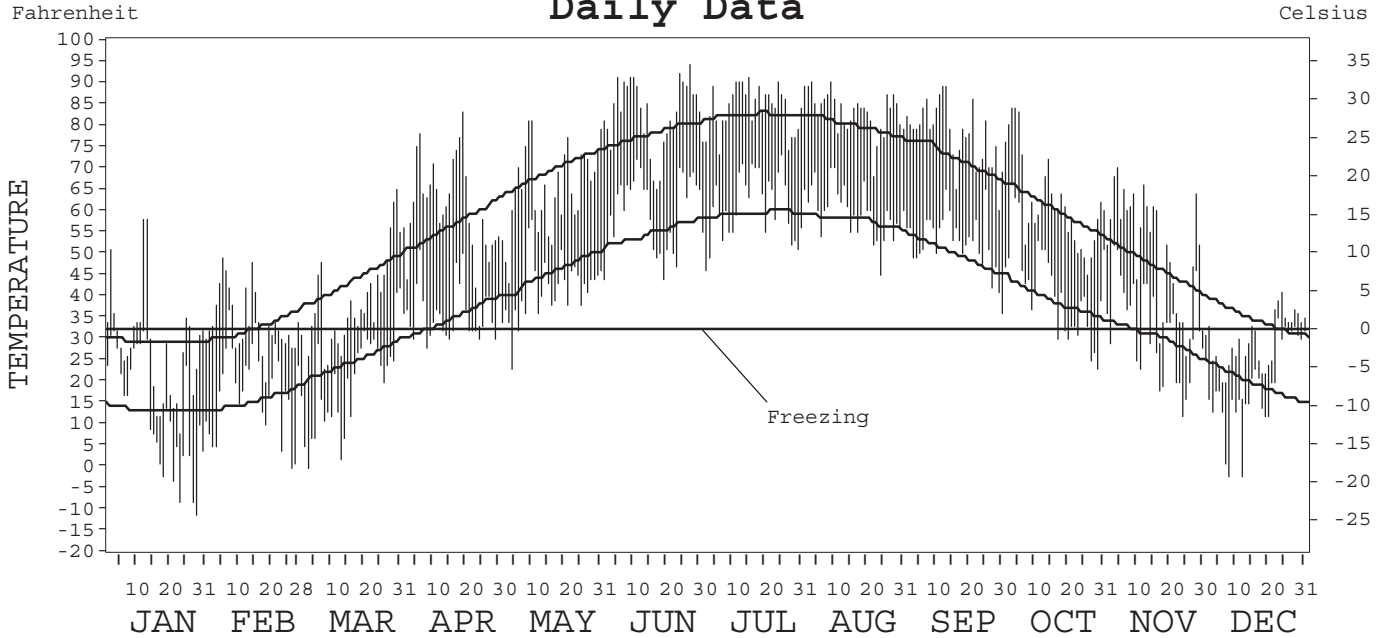
LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0198-2559

FLINT, MICHIGAN (FNT)

Daily Data



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

METEOROLOGICAL DATA FOR 2005

FLINT, MI (FNT)

LATITUDE: 42° 58' 00" N LONGITUDE: 83° 44' 58" W ELEVATION (FT): GRND: 780 BARO: 783 TIME ZONE: EASTERN (UTC + 5) WBAN: 14826

| | ELEMENT | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR | |
|--------------------------|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|----|
| TEMPERATURE °F | MEAN DAILY MAXIMUM | 28.3 | 34.4 | 38.2 | 60.6 | 65.1 | 82.7 | 83.7 | 83.0 | 77.5 | 62.0 | 50.7 | 29.1 | 57.9 | |
| | HIGHEST DAILY MAXIMUM | 58 | 49 | 65 | 83 | 81 | 94 | 91 | 90 | 89 | 84 | 70 | 41 | 94 | |
| | DATE OF OCCURRENCE | 13+ | 05 | 30 | 19 | 10+ | 27 | 15 | 09+ | 13+ | 04+ | 04 | 24 | JUN 27 | |
| | MEAN DAILY MINIMUM | 13.5 | 18.5 | 20.1 | 36.0 | 41.6 | 59.8 | 60.8 | 59.7 | 52.7 | 41.7 | 32.2 | 19.5 | 38.0 | |
| | LOWEST DAILY MINIMUM | -11 | 0 | 0 | 28 | 23 | 44 | 46 | 45 | 36 | 23 | 12 | -2 | -11 | |
| | DATE OF OCCURRENCE | 28 | 26 | 03 | 08 | 04 | 19+ | 02 | 24 | 30 | 29 | 24 | 12+ | JAN 28 | |
| | AVERAGE DRY BULB | 20.9 | 26.5 | 29.2 | 48.3 | 53.4 | 71.3 | 72.3 | 71.4 | 65.1 | 51.9 | 41.5 | 24.3 | 48.0 | |
| | MEAN WET BULB | 20.0 | 25.6 | 27.2 | 41.3 | 48.3 | 64.9 | 66.0 | 65.4 | 58.7 | 47.4 | | | | |
| | MEAN DEW POINT | 15.9 | 21.5 | 21.6 | 31.7 | 42.1 | 60.6 | 62.1 | 61.1 | 53.5 | 42.8 | | | | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | MAXIMUM ≥ 90° | 0 | 0 | 0 | 0 | 0 | 7 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 14 |
| | MAXIMUM ≤ 32° | 21 | 13 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 19 | 67 | |
| | MINIMUM ≤ 32° | 31 | 26 | 29 | 12 | 2 | 0 | 0 | 0 | 0 | 7 | 15 | 28 | 150 | |
| MINIMUM ≤ 0° | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 9 | | |
| H/C | HEATING DEGREE DAYS | 1360 | 1074 | 1106 | 496 | 360 | 227 | 4 | 9 | 63 | 425 | 699 | 1255 | 6878 | |
| | COOLING DEGREE DAYS | 0 | 0 | 0 | 2 | 9 | 221 | 235 | 212 | 73 | 27 | 0 | 0 | 779 | |
| RH | MEAN (PERCENT) | 80 | 79 | 73 | 56 | 66 | 70 | 72 | 72 | 68 | 72 | 69 | 80 | 71 | |
| | HOUR 01 LST | 81 | 84 | 80 | 64 | 81 | 81 | 85 | 87 | 80 | 81 | 73 | 82 | 80 | |
| | HOUR 07 LST | 86 | 87 | 87 | 73 | 79 | 80 | 85 | 89 | 88 | 84 | 76 | 83 | 83 | |
| | HOUR 13 LST | 75 | 71 | 62 | 44 | 54 | 56 | 57 | 54 | 50 | 57 | 61 | 76 | 60 | |
| | HOUR 19 LST | 78 | 75 | 68 | 46 | 56 | 62 | 62 | 59 | 58 | 68 | 67 | 78 | 65 | |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | |
| W/O | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG (VISBY ≤ 1/4 MI) | 2 | 8 | 5 | 1 | 0 | 0 | 3 | 2 | 2 | 0 | 0 | 4 | 27 | |
| | THUNDERSTORMS | 0 | 0 | 1 | 1 | 4 | 9 | 10 | 5 | 2 | 0 | 1 | 0 | 33 | |
| 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.) | 29.39 | 29.28 | 29.08 | 29.14 | 29.19 | 29.13 | 29.20 | 29.19 | 29.27 | 29.26 | 29.10 | 29.15 | 29.20 | |
| | MEAN SEA-LEVEL PRESS. (IN.) | 30.26 | 30.13 | 29.92 | 29.97 | 30.01 | 29.94 | 30.01 | 30.00 | 30.08 | 30.09 | | | | |
| WINDS | RESULTANT SPEED (MPH) | 1.4 | 2.0 | 2.3 | 1.8 | 1.3 | 1.8 | 0.6 | 0.9 | 2.0 | 1.2 | 6.5 | 4.0 | 1.6 | |
| | RES. DIR. (TENS OF DEGS.) | 32 | 24 | 29 | 01 | 22 | 19 | 32 | 26 | 22 | 31 | 23 | 24 | 25 | |
| | MEAN SPEED (MPH) | 9.0 | 7.9 | 8.6 | 10.2 | 8.2 | 7.4 | 6.3 | 6.7 | 7.5 | 7.5 | 11.9 | 9.1 | 8.4 | |
| | PREVAIL. DIR. (TENS OF DEGS.) | 30 | 27 | 28 | 08 | 27 | 20 | 21 | 21 | 19 | 21 | 20 | 23 | 20 | |
| | MAXIMUM 2-MINUTE WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 28 | 26 | 32 | 29 | 29 | 31 | 28 | 26 | 38 | 26 | 38 | 26 | 38 | |
| | DIR. (TENS OF DEGS.) | 36 | 28 | 29 | 01 | 27 | 29 | 31 | 27 | 30 | 31 | 25 | 28 | 25 | |
| | DATE OF OCCURRENCE | 22 | 17+ | 07 | 23+ | 02+ | 14 | 26 | 19 | 22 | 19 | 13 | 02 | NOV 13 | |
| | MAXIMUM 5-SECOND WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 38 | 33 | 39 | 38 | 37 | 39 | 38 | 33 | 48 | 31 | 51 | 33 | 51 | |
| DIR. (TENS OF DEGS.) | 36 | 18 | 24 | 01 | 27 | 31 | 28 | 28 | 29 | 31 | 24 | 28 | 24 | | |
| DATE OF OCCURRENCE | 22 | 14 | 31+ | 23 | 02 | 05 | 26 | 19 | 22 | 19 | 13 | 02 | NOV 13 | | |
| PRECIPITATION | WATER EQUIVALENT: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 2.93 | 2.45 | 1.04 | 1.31 | 1.40 | 1.97 | 5.43 | 0.93 | 5.47 | 0.33 | 3.93 | 1.77 | 28.96 | |
| | GREATEST 24-HOUR (IN.) | 0.78 | 0.65 | 0.27 | 0.40 | 0.55 | 1.00 | 1.52 | 0.44 | 3.62 | 0.18 | 1.58 | 0.33 | 3.62 | |
| | DATE OF OCCURRENCE | 13 | 13-14 | 19+ | 23-24 | 13 | 12-13 | 26-27 | 27 | 22 | 31 | 09 | 14-15 | SEP 22 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| PRECIPITATION ≥ 0.01 | 12 | 11 | 9 | 7 | 11 | 10 | 9 | 7 | 8 | 8 | 13 | 17 | 122 | | |
| PRECIPITATION ≥ 0.10 | 7 | 7 | 4 | 5 | 4 | 6 | 6 | 3 | 6 | 1 | 6 | 8 | 63 | | |
| PRECIPITATION ≥ 1.00 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | 1 | 0 | 5 | | |
| SNOWFALL | SNOW, ICE PELLETS, HAIL: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 19.7 | 14.7 | 12.3 | 8.0 | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.7 | 22.2 | 82.6 | |
| | GREATEST 24-HOUR (IN.) | 9.0 | 5.3 | 3.0 | 4.3 | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | 4.6 | 9.0 | |
| | DATE OF OCCURRENCE | 22 | 20 | 18+ | 24 | 03+ | | | | | | 23 | 15 | JAN 22 | |
| | MAXIMUM SNOW DEPTH (IN.) | 8 | 5 | 10 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 9 | 10 | |
| | DATE OF OCCURRENCE | 25+ | 27+ | 02 | 25 | | | | | | | 26 | 16+ | MAR 02 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| SNOWFALL ≥ 1.0 | 5 | 5 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 24 | | |

NORMALS, MEANS, AND EXTREMES

FLINT, MI (FNT)

LATITUDE: 42° 58' 00" N LONGITUDE: 83° 44' 58" W ELEVATION (FT): GRND: 780 BARO: 783 TIME ZONE: EASTERN (UTC + 5) WBAN: 14826

| ELEMENT | | POR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR |
|----------------------|-----------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------|
| TEMPERATURE °F | NORMAL DAILY MAXIMUM | 30 | 29.2 | 32.3 | 43.1 | 56.2 | 69.0 | 77.7 | 82.0 | 79.5 | 71.9 | 59.7 | 46.3 | 34.2 | 56.8 |
| | MEAN DAILY MAXIMUM | 57 | 29.3 | 32.3 | 42.0 | 56.4 | 68.1 | 77.8 | 81.7 | 79.8 | 72.3 | 60.5 | 46.5 | 34.1 | 56.7 |
| | HIGHEST DAILY MAXIMUM | 49 | 61 | 68 | 80 | 87 | 93 | 101 | 101 | 98 | 94 | 89 | 76 | 70 | 101 |
| | YEAR OF OCCURRENCE | | 1997 | 1999 | 2000 | 2004 | 1988 | 1988 | 1995 | 2001 | 2002 | 2002 | 1978 | 2001 | JUL 1995 |
| | MEAN OF EXTREME MAXS. | 57 | 48.5 | 50.7 | 66.1 | 77.9 | 84.0 | 90.5 | 92.2 | 90.7 | 86.7 | 78.8 | 66.4 | 54.0 | 73.9 |
| | NORMAL DAILY MINIMUM | 30 | 13.3 | 15.3 | 24.3 | 34.6 | 45.2 | 54.6 | 59.1 | 57.4 | 49.4 | 38.6 | 29.8 | 19.1 | 36.7 |
| | MEAN DAILY MINIMUM | 57 | 15.0 | 16.4 | 24.6 | 35.6 | 45.5 | 55.2 | 59.4 | 57.7 | 50.2 | 40.3 | 31.3 | 20.8 | 37.7 |
| | LOWEST DAILY MINIMUM | 49 | -25 | -22 | -12 | 6 | 22 | 33 | 40 | 37 | 26 | 19 | 6 | -13 | -25 |
| | YEAR OF OCCURRENCE | | 1976 | 1967 | 1978 | 1982 | 1966 | 1998 | 2001 | 1982 | 1991 | 1974 | 1976 | 2000 | JAN 1976 |
| | MEAN OF EXTREME MINS. | 57 | -6.7 | -4.5 | 4.7 | 20.9 | 31.2 | 40.5 | 46.3 | 44.4 | 34.3 | 25.1 | 15.1 | -1 | 20.9 |
| | NORMAL DRY BULB | 30 | 21.3 | 23.8 | 33.7 | 45.4 | 57.1 | 66.2 | 70.6 | 68.5 | 60.7 | 49.2 | 38.1 | 26.7 | 46.8 |
| | MEAN DRY BULB | 57 | 22.3 | 24.4 | 33.5 | 45.9 | 56.8 | 66.5 | 70.6 | 68.6 | 61.4 | 50.5 | 38.9 | 27.4 | 47.2 |
| | MEAN WET BULB | 22 | 22.0 | 24.1 | 30.9 | 41.6 | 51.7 | 60.8 | 64.8 | 63.8 | 56.8 | 46.2 | 36.3 | 26.5 | 43.8 |
| | MEAN DEW POINT | 22 | 17.6 | 19.4 | 25.2 | 34.8 | 45.7 | 56.0 | 60.6 | 60.5 | 53.2 | 41.8 | 32.0 | 23.0 | 39.1 |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| MAXIMUM ≥ 90° | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 1.7 | 3.2 | 1.5 | 0.6 | 0.0 | 0.0 | 0.0 | 7.3 | |
| MAXIMUM ≤ 32° | 30 | 18.5 | 14.4 | 5.3 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 | 12.0 | 52.8 | |
| MINIMUM ≤ 32° | 30 | 29.0 | 25.3 | 23.0 | 11.1 | 1.6 | 0.0 | 0.0 | 0.0 | 0.4 | 5.8 | 17.1 | 27.2 | 140.5 | |
| MINIMUM ≤ 0° | 30 | 4.6 | 3.6 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 10.5 | |
| H/C | NORMAL HEATING DEG. DAYS | 30 | 1341 | 1147 | 957 | 577 | 267 | 66 | 13 | 28 | 168 | 478 | 791 | 1172 | 7005 |
| | NORMAL COOLING DEG. DAYS | 30 | 0 | 0 | 1 | 5 | 33 | 110 | 199 | 151 | 52 | 4 | 0 | 0 | 555 |
| RH | NORMAL (PERCENT) | 30 | 77 | 75 | 71 | 66 | 66 | 69 | 71 | 75 | 76 | 74 | 76 | 79 | 73 |
| | HOUR 01 LST | 30 | 81 | 79 | 77 | 75 | 76 | 80 | 84 | 87 | 87 | 82 | 81 | 82 | 81 |
| | HOUR 07 LST | 30 | 82 | 81 | 81 | 79 | 78 | 81 | 85 | 90 | 90 | 85 | 83 | 83 | 83 |
| | HOUR 13 LST | 30 | 72 | 69 | 62 | 55 | 54 | 56 | 55 | 59 | 59 | 60 | 68 | 74 | 62 |
| | HOUR 19 LST | 30 | 76 | 72 | 66 | 59 | 56 | 58 | 59 | 65 | 69 | 70 | 75 | 78 | 67 |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | |
| W/O | MEAN NO. DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG (VISBY ≤ 1/4 MI) | 65 | 1.8 | 1.7 | 1.9 | 0.8 | 1.2 | 0.9 | 1.0 | 1.9 | 2.0 | 2.1 | 1.5 | 1.9 | 18.7 |
| | THUNDERSTORMS | 65 | 0.2 | 0.2 | 1.2 | 2.8 | 4.4 | 5.8 | 6.2 | 5.6 | 3.4 | 1.3 | 0.8 | 0.2 | 32.1 |
| CLOUDINESS | MEAN: | | | | | | | | | | | | | | |
| | SUNRISE-SUNSET (OKTAS) | 1 | | | | | | 6.4 | | | | | | | |
| | MIDNIGHT-MIDNIGHT (OKTAS) | 1 | | | | | | 7.2 | | | | | | | |
| | MEAN NO. DAYS WITH: | | | | | | | | | | | | | | |
| CLEAR | 1 | | 2.0 | 3.0 | | 3.0 | 6.0 | | | | | | | | |
| PARTLY CLOUDY | 1 | 2.0 | 3.0 | 5.0 | | 9.0 | 2.0 | | | | | | | | |
| CLOUDY | 1 | 4.0 | 6.0 | 9.0 | | 6.0 | 13.0 | | | | | | | | |
| PR | MEAN STATION PRESSURE (IN) | 33 | 29.21 | 29.20 | 29.20 | 29.10 | 29.10 | 29.10 | 29.20 | 29.20 | 29.20 | 29.21 | 29.21 | 29.20 | 29.18 |
| | MEAN SEA-LEVEL PRES. (IN) | 22 | 30.06 | 30.09 | 30.05 | 29.98 | 29.98 | 29.96 | 29.99 | 30.04 | 30.05 | 30.07 | 30.05 | 30.08 | 30.03 |
| WINDS | MEAN SPEED (MPH) | 48 | 11.3 | 10.7 | 11.3 | 11.2 | 9.9 | 8.6 | 8.0 | 7.5 | 8.6 | 9.5 | 11.0 | 11.0 | 9.9 |
| | PREVAIL. DIR (TENS OF DEGS) | 34 | 23 | 27 | 27 | 08 | 18 | 20 | 23 | 20 | 19 | 20 | 23 | 23 | 23 |
| | MAXIMUM 2-MINUTE: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 10 | 37 | 40 | 40 | 41 | 40 | 36 | 40 | 35 | 38 | 39 | 41 | 38 | 41 |
| | DIR. (TENS OF DEGS) | | 25 | 28 | 25 | 30 | 26 | 28 | 33 | 24 | 30 | 23 | 28 | 27 | 28 |
| | YEAR OF OCCURRENCE | | 1996 | 2002 | 2002 | 2002 | 2004 | 2000 | 1998 | 2003 | 2005 | 2004 | 2003 | 2003 | NOV 2003 |
| | MAXIMUM 5-SECOND: | | | | | | | | | | | | | | |
| SPEED (MPH) | 10 | 52 | 49 | 51 | 52 | 49 | 46 | 51 | 46 | 48 | 51 | 55 | 49 | 55 | |
| DIR. (TENS OF DEGS) | | 18 | 25 | 27 | 26 | 27 | 29 | 25 | 27 | 29 | 24 | 22 | 27 | 22 | |
| YEAR OF OCCURRENCE | | 1996 | 1997 | 2002 | 2003 | 2000 | 2000 | 2003 | 1996 | 2005 | 2004 | 1998 | 2003 | NOV 1998 | |
| PRECIPITATION | NORMAL (IN) | 30 | 1.57 | 1.35 | 2.22 | 3.13 | 2.74 | 3.07 | 3.17 | 3.43 | 3.76 | 2.34 | 2.65 | 2.18 | 31.61 |
| | MAXIMUM MONTHLY (IN) | 64 | 3.56 | 5.28 | 4.33 | 5.90 | 8.19 | 6.52 | 9.35 | 11.04 | 10.86 | 6.59 | 5.66 | 4.66 | 11.04 |
| | YEAR OF OCCURRENCE | | 1947 | 1954 | 1948 | 1947 | 2004 | 1994 | 1992 | 1975 | 1986 | 2001 | 2003 | 1971 | AUG 1975 |
| | MINIMUM MONTHLY (IN) | 64 | 0.07 | 0.17 | 0.25 | 0.62 | 0.34 | 0.63 | 0.73 | 0.45 | 0.29 | 0.33 | 0.66 | 0.44 | 0.07 |
| | YEAR OF OCCURRENCE | | 1945 | 1969 | 1958 | 1942 | 1988 | 1988 | 1978 | 1969 | 2002 | 1944 | 1980 | 1969 | JAN 1945 |
| | MAXIMUM IN 24 HOURS (IN) | 64 | 1.81 | 2.85 | 2.33 | 2.89 | 2.25 | 3.55 | 3.72 | 4.45 | 6.04 | 3.19 | 2.30 | 1.77 | 6.04 |
| | YEAR OF OCCURRENCE | | 1967 | 1954 | 1948 | 1976 | 1974 | 1943 | 1957 | 1968 | 1950 | 1981 | 1995 | 1971 | SEP 1950 |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| PRECIPITATION ≥ 0.01 | 30 | 13.8 | 10.9 | 12.2 | 12.9 | 10.7 | 10.5 | 9.7 | 10.1 | 10.5 | 10.1 | 12.6 | 13.8 | 137.8 | |
| PRECIPITATION ≥ 1.00 | 30 | 0.1 | 0.1 | 0.3 | 0.5 | 0.4 | 0.6 | 0.8 | 0.5 | 1.0 | 0.3 | 0.4 | 0.2 | 5.2 | |
| SNOWFALL | NORMAL (IN) | 30 | 13.2 | 9.4 | 7.7 | 2.6 | 0.* | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 3.5 | 11.6 | 48.3 |
| | MAXIMUM MONTHLY (IN) | 64 | 28.5 | 20.8 | 19.4 | 17.3 | 0.6 | T | T | T | T | 4.4 | 16.2 | 35.3 | 35.3 |
| | YEAR OF OCCURRENCE | | 1976 | 1990 | 1965 | 1975 | 1961 | 1992 | 1992 | 1998 | 1975 | 1989 | 1951 | 2000 | DEC 2000 |
| | MAXIMUM IN 24 HOURS (IN) | 64 | 19.8 | 11.3 | 12.6 | 16.7 | 0.5 | T | T | T | T | 3.5 | 13.4 | 10.8 | 19.8 |
| | YEAR OF OCCURRENCE | | 1967 | 1965 | 1973 | 1975 | 1961 | 1992 | 1992 | 1998 | 1975 | 1989 | 1951 | 2000 | JAN 1967 |
| | MAXIMUM SNOW DEPTH (IN) | 56 | 23 | 23 | 13 | 17 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 20 | 23 |
| | YEAR OF OCCURRENCE | | 1967 | 1967 | 1973 | 1975 | | | | | | 1997 | 1975 | 2000 | FEB 1967 |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| SNOWFALL ≥ 1.0 | 30 | 4.0 | 3.1 | 2.5 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 1.2 | 3.9 | 15.3 | |

PRECIPITATION (inches) 2005 FLINT, MI (FNT)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|-------|------|------|------|--------|
| 1976 | 1.53 | 2.27 | 3.66 | 5.59 | 4.24 | 4.11 | 1.98 | 0.81 | 2.66 | 3.17 | 1.22 | 0.92 | 32.16 |
| 1977 | 0.57 | 0.70 | 2.78 | 3.28 | 0.95 | 4.70 | 1.91 | 3.15 | 4.59 | 2.09 | 2.67 | 1.47 | 28.86 |
| 1978 | 2.02 | 0.51 | 1.99 | 1.03 | 2.97 | 1.66 | 0.73 | 2.62 | 4.57 | 1.51 | 1.44 | 2.64 | 23.69 |
| 1979 | 1.78 | 0.34 | 1.58 | 2.33 | 1.58 | 3.96 | 2.96 | 2.53 | 0.32 | 1.90 | 3.64 | 2.30 | 25.22 |
| 1980 | 1.25 | 0.88 | 2.20 | 3.40 | 2.35 | 2.38 | 5.61 | 3.28 | 4.75 | 2.17 | 0.66 | 2.95 | 31.88 |
| 1981 | 0.59 | 1.83 | 0.76 | 4.32 | 3.07 | 2.95 | 3.93 | 3.22 | 7.65 | 3.09 | 1.41 | 1.24 | 34.06 |
| 1982 | 1.57 | 0.66 | 2.49 | 1.23 | 2.15 | 3.24 | 3.06 | 3.24 | 2.76 | 0.57 | 4.76 | 2.75 | 28.48 |
| 1983 | 1.01 | 0.91 | 2.40 | 3.63 | 3.76 | 3.94 | 2.24 | 2.26 | 4.06 | 2.62 | 3.46 | 1.85 | 32.14 |
| 1984 | 0.56 | 0.52 | 2.83 | 2.85 | 3.54 | 0.92 | 3.48 | 3.66 | 2.77 | 2.61 | 2.65 | 3.76 | 30.15 |
| 1985 | 2.06 | 3.01 | 4.00 | 3.60 | 2.81 | 1.54 | 2.99 | 4.33 | 8.29 | 3.45 | 3.16 | 1.38 | 40.62 |
| 1986 | 0.70 | 2.10 | 1.44 | 2.68 | 1.61 | 5.13 | 3.12 | 5.29 | 10.86 | 1.96 | 0.94 | 1.71 | 37.54 |
| 1987 | 1.16 | 0.42 | 1.45 | 1.80 | 2.28 | 1.60 | 2.20 | 5.03 | 5.57 | 1.90 | 3.29 | 2.54 | 29.24 |
| 1988 | 1.27 | 1.52 | 1.45 | 2.69 | 0.34 | 0.63 | 3.74 | 4.00 | 3.03 | 2.76 | 4.94 | 1.27 | 27.64 |
| 1989 | 1.31 | 0.52 | 2.11 | 1.50 | 3.93 | 4.90 | 2.65 | 5.56 | 4.33 | 1.67 | 2.86 | 1.00 | 32.34 |
| 1990 | 1.84 | 2.59 | 1.45 | 2.10 | 3.26 | 3.77 | 1.80 | 2.37 | 3.06 | 4.06 | 4.29 | 2.49 | 33.08 |
| 1991 | 1.49 | 0.68 | 2.87 | 4.07 | 3.23 | 2.91 | 3.78 | 3.33 | 0.63 | 3.52 | 3.01 | 2.15 | 31.67 |
| 1992 | 1.15 | 1.59 | 2.56 | 3.80 | 1.64 | 2.26 | 9.35 | 3.50 | 2.50 | 2.46 | 4.05 | 2.01 | 36.87 |
| 1993 | 2.80 | 1.16 | 1.21 | 4.55 | 1.68 | 5.23 | 2.32 | 3.37 | 4.66 | 2.21 | 1.32 | 0.51 | 31.02 |
| 1994 | 1.91 | 0.93 | 1.70 | 5.01 | 0.79 | 6.52 | 2.84 | 3.39 | 2.81 | 2.70 | 3.51 | 1.75 | 33.86 |
| 1995 | 2.08 | 0.72 | 1.24 | 2.76 | 2.23 | 0.72 | 2.64 | 4.29 | 1.05 | 2.60 | 4.22 | 1.15 | 25.70 |
| 1996 | 2.07 | 1.20 | 1.86 | 3.15 | 3.02 | 3.90 | 1.94 | 0.68 | 2.82 | 2.79 | 1.66 | 2.05 | 27.14 |
| 1997 | 0.98 | 3.12 | 2.39 | 1.21 | 3.33 | 1.57 | 2.70 | 2.72 | 4.31 | 1.55 | 1.05 | 0.77 | 25.70 |
| 1998 | 3.05 | 1.67 | 3.41 | 1.43 | 0.99 | 1.25 | 1.13 | 2.62 | 1.28 | 2.23 | 1.58 | 1.50 | 22.14 |
| 1999 | 2.89 | 1.19 | 0.75 | 5.06 | 1.81 | 3.89 | 4.13 | 2.49 | 2.11 | 1.39 | 1.13 | 1.97 | 28.81 |
| 2000 | 0.97 | 1.00 | 0.90 | 2.90 | 6.34 | 2.98 | 8.55 | 2.87 | 6.24 | 1.96 | 1.96 | 3.41 | 40.08 |
| 2001 | 1.03 | 3.52 | 0.56 | 3.24 | 5.35 | 3.32 | 1.61 | 1.54 | 3.71 | 6.59 | 3.14 | 1.77 | 35.38 |
| 2002 | 1.36 | 1.83 | 1.61 | 3.19 | 3.62 | 1.48 | 3.63 | 1.51 | 0.29 | 1.27 | 1.38 | 1.08 | 22.25 |
| 2003 | 0.26 | 0.60 | 1.71 | 2.94 | 3.35 | 2.16 | 1.73 | 3.79 | 3.16 | 2.00 | 5.66 | 2.34 | 29.70 |
| 2004 | 1.39 | 0.66 | 2.36 | 0.70 | 8.19 | 2.63 | 3.78 | 2.96 | 0.76 | 2.05 | 2.30 | 2.15 | 29.93 |
| 2005 | 2.93 | 2.45 | 1.04 | 1.31 | 1.40 | 1.97 | 5.43 | 0.93 | 5.47 | 0.33 | 3.93 | 1.77 | 28.96 |
| POR= 64 YRS | 1.65 | 1.53 | 2.15 | 2.96 | 3.10 | 3.24 | 3.09 | 3.26 | 3.11 | 2.23 | 2.51 | 1.91 | 30.74 |

WBAN : 14826

AVERAGE TEMPERATURE (°F) 2005 FLINT, MI (FNT)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1976 | 18.1 | 31.1 | 38.7 | 48.2 | 54.5 | 69.4 | 71.1 | 68.2 | 60.6 | 46.8 | 33.3 | 17.4 | 46.5 |
| 1977 | 10.9 | 22.4 | 39.2 | 49.5 | 62.6 | 63.1 | 73.8 | 68.2 | 63.6 | 48.8 | 41.3 | 25.8 | 47.4 |
| 1978 | 18.2 | 13.4 | 26.7 | 43.8 | 58.7 | 65.1 | 69.6 | 70.0 | 65.4 | 50.3 | 40.6 | 26.5 | 45.7 |
| 1979 | 15.9 | 12.8 | 38.1 | 44.6 | 56.8 | 66.7 | 69.9 | 66.8 | 62.7 | 49.9 | 39.6 | 32.1 | 46.3 |
| 1980 | 23.4 | 20.3 | 29.9 | 44.6 | 57.7 | 61.6 | 70.5 | 70.5 | 60.5 | 44.3 | 36.2 | 24.4 | 45.3 |
| 1981 | 18.1 | 28.3 | 35.6 | 48.2 | 54.2 | 65.9 | 70.7 | 69.0 | 57.7 | 44.7 | 38.7 | 26.1 | 46.4 |
| 1982 | 16.4 | 20.2 | 32.7 | 43.3 | 65.0 | 62.9 | 71.3 | 66.6 | 61.0 | 52.5 | 41.4 | 37.2 | 47.5 |
| 1983 | 27.7 | 31.8 | 37.8 | 43.7 | 53.5 | 67.3 | 74.0 | 73.3 | 64.8 | 51.5 | 41.1 | 20.1 | 48.9 |
| 1984 | 14.4 | 31.2 | 26.8 | 45.3 | 51.5 | 69.3 | 70.0 | 71.8 | 60.7 | 54.0 | 39.4 | 33.4 | 47.3 |
| 1985 | 19.8 | 22.7 | 37.0 | 51.8 | 59.3 | 62.5 | 70.4 | 67.2 | 63.3 | 51.4 | 39.8 | 21.3 | 47.2 |
| 1986 | 21.7 | 21.1 | 35.8 | 49.4 | 58.9 | 64.9 | 72.2 | 66.3 | 63.0 | 50.5 | 35.5 | 29.9 | 47.4 |
| 1987 | 24.7 | 28.7 | 38.1 | 49.9 | 62.8 | 70.3 | 75.6 | 69.3 | 62.6 | 45.2 | 41.6 | 32.2 | 50.1 |
| 1988 | 22.0 | 20.1 | 34.1 | 46.5 | 60.3 | 67.7 | 75.2 | 72.6 | 61.2 | 44.8 | 41.4 | 27.3 | 47.8 |
| 1989 | 30.9 | 20.8 | 32.7 | 44.0 | 56.2 | 66.2 | 71.3 | 68.0 | 59.6 | 51.2 | 35.9 | 16.1 | 46.1 |
| 1990 | 31.8 | 26.9 | 38.1 | 48.4 | 55.3 | 66.8 | 70.0 | 69.4 | 61.5 | 49.9 | 42.4 | 29.8 | 49.2 |
| 1991 | 21.2 | 29.3 | 37.7 | 50.2 | 64.2 | 69.7 | 71.7 | 70.0 | 59.6 | 52.8 | 36.2 | 29.4 | 49.3 |
| 1992 | 25.8 | 29.4 | 32.9 | 43.6 | 57.3 | 64.2 | 66.9 | 65.2 | 60.2 | 48.1 | 38.3 | 31.5 | 47.0 |
| 1993 | 26.2 | 20.5 | 32.2 | 45.3 | 58.0 | 65.8 | 72.9 | 70.4 | 56.3 | 47.3 | 36.8 | 27.0 | 46.6 |
| 1994 | 13.8 | 18.4 | 33.5 | 47.6 | 55.0 | 67.9 | 70.6 | 65.9 | 62.7 | 51.6 | 42.5 | 32.0 | 46.8 |
| 1995 | 25.4 | 20.6 | 36.1 | 42.6 | 56.9 | 68.4 | 72.4 | 74.3 | 58.5 | 52.1 | 32.0 | 23.0 | 46.9 |
| 1996 | 21.9 | 23.7 | 28.1 | 42.4 | 54.8 | 68.5 | 67.6 | 70.1 | 61.6 | 50.1 | 32.7 | 28.8 | 45.9 |
| 1997 | 21.3 | 27.1 | 34.0 | 42.9 | 48.8 | 67.1 | 69.5 | 65.0 | 59.8 | 48.1 | 35.5 | 29.9 | 45.8 |
| 1998 | 29.9 | 34.5 | 36.4 | 47.6 | 62.9 | 66.8 | 70.4 | 70.8 | 65.3 | 51.5 | 41.8 | 32.3 | 50.9 |
| 1999 | 20.6 | 31.0 | 31.0 | 48.1 | 59.3 | 68.5 | 73.0 | 66.4 | 61.9 | 48.2 | 42.9 | 29.7 | 48.4 |
| 2000 | 20.6 | 29.3 | 41.4 | 44.9 | 59.4 | 66.8 | 67.5 | 68.4 | 60.1 | 53.5 | 38.6 | 16.6 | 47.3 |
| 2001 | 24.9 | 27.1 | 32.5 | 48.5 | 59.2 | 66.7 | 71.0 | 71.5 | 59.3 | 50.5 | 46.6 | 34.1 | 49.3 |
| 2002 | 30.9 | 30.0 | 32.4 | 47.9 | 53.1 | 69.2 | 75.0 | 70.8 | 66.6 | 47.7 | 37.7 | 27.7 | 49.1 |
| 2003 | 19.2 | 20.5 | 33.4 | 45.9 | 55.3 | 64.6 | 70.8 | 70.9 | 61.9 | 49.6 | 42.5 | 32.1 | 47.2 |
| 2004 | 17.3 | 24.7 | 39.3 | 49.9 | 59.6 | 66.0 | 68.4 | 65.6 | 64.2 | 51.0 | 39.9 | 26.5 | 47.7 |
| 2005 | 20.9 | 26.5 | 29.2 | 48.3 | 53.4 | 71.3 | 72.3 | 71.4 | 65.1 | 51.9 | 41.5 | 24.3 | 48.0 |
| POR= 63 YRS | 22.4 | 24.5 | 33.1 | 45.8 | 56.8 | 66.6 | 70.6 | 68.9 | 62.1 | 51.0 | 39.8 | 28.0 | 47.5 |

HEATING DEGREE DAYS (base 65°F) 2005 FLINT, MI (FNT)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|-----|------|------|------|------|-----|-----|-----|-------|
| 1976-77 | 1 | 33 | 169 | 559 | 943 | 1467 | 1671 | 1186 | 794 | 468 | 152 | 118 | 7561 |
| 1977-78 | 7 | 35 | 97 | 496 | 701 | 1210 | 1444 | 1438 | 1178 | 632 | 238 | 87 | 7563 |
| 1978-79 | 17 | 8 | 89 | 449 | 725 | 1187 | 1516 | 1458 | 829 | 606 | 291 | 64 | 7239 |
| 1979-80 | 17 | 36 | 120 | 477 | 753 | 1014 | 1282 | 1288 | 1079 | 607 | 250 | 154 | 7077 |
| 1980-81 | 2 | 8 | 152 | 633 | 856 | 1252 | 1445 | 1023 | 903 | 499 | 336 | 41 | 7150 |
| 1981-82 | 10 | 24 | 231 | 621 | 780 | 1199 | 1501 | 1246 | 996 | 648 | 83 | 91 | 7430 |
| 1982-83 | 3 | 58 | 163 | 385 | 700 | 851 | 1153 | 924 | 838 | 633 | 351 | 65 | 6124 |
| 1983-84 | 12 | 5 | 106 | 422 | 711 | 1385 | 1565 | 977 | 1178 | 586 | 411 | 23 | 7381 |
| 1984-85 | 14 | 12 | 176 | 335 | 761 | 972 | 1395 | 1177 | 860 | 418 | 197 | 103 | 6420 |
| 1985-86 | 7 | 28 | 153 | 413 | 748 | 1345 | 1338 | 1224 | 899 | 475 | 218 | 69 | 6917 |
| 1986-87 | 13 | 54 | 113 | 444 | 881 | 1081 | 1242 | 1010 | 826 | 447 | 174 | 25 | 6310 |
| 1987-88 | 11 | 44 | 119 | 605 | 695 | 1011 | 1326 | 1295 | 954 | 547 | 189 | 82 | 6878 |
| 1988-89 | 5 | 24 | 144 | 626 | 700 | 1161 | 1053 | 1233 | 993 | 626 | 289 | 49 | 6903 |
| 1989-90 | 5 | 28 | 199 | 422 | 864 | 1507 | 1020 | 1061 | 829 | 529 | 299 | 42 | 6805 |
| 1990-91 | 18 | 10 | 164 | 469 | 668 | 1084 | 1352 | 994 | 838 | 450 | 165 | 22 | 6234 |
| 1991-92 | 3 | 9 | 218 | 381 | 855 | 1098 | 1206 | 1024 | 988 | 638 | 266 | 78 | 6764 |
| 1992-93 | 26 | 56 | 193 | 516 | 793 | 1032 | 1194 | 1238 | 1007 | 583 | 218 | 71 | 6927 |
| 1993-94 | 1 | 16 | 267 | 544 | 837 | 1169 | 1581 | 1298 | 969 | 528 | 326 | 49 | 7585 |
| 1994-95 | 2 | 53 | 116 | 408 | 670 | 1017 | 1220 | 1236 | 889 | 665 | 249 | 39 | 6564 |
| 1995-96 | 14 | 0 | 217 | 403 | 982 | 1295 | 1328 | 1191 | 1137 | 675 | 340 | 19 | 7601 |
| 1996-97 | 26 | 2 | 150 | 457 | 965 | 1114 | 1346 | 1055 | 951 | 655 | 497 | 44 | 7262 |
| 1997-98 | 22 | 57 | 165 | 526 | 878 | 1081 | 1080 | 847 | 890 | 517 | 111 | 118 | 6292 |
| 1998-99 | 8 | 12 | 72 | 421 | 689 | 1006 | 1370 | 946 | 1046 | 503 | 203 | 62 | 6338 |
| 1999-00 | 4 | 36 | 135 | 512 | 659 | 1087 | 1369 | 1028 | 733 | 596 | 214 | 63 | 6436 |
| 2000-01 | 27 | 27 | 197 | 355 | 787 | 1492 | 1236 | 1055 | 999 | 487 | 198 | 75 | 6935 |
| 2001-02 | 22 | 3 | 204 | 446 | 546 | 950 | 1050 | 976 | 1004 | 531 | 383 | 44 | 6159 |
| 2002-03 | 0 | 6 | 74 | 553 | 814 | 1151 | 1412 | 1238 | 973 | 575 | 294 | 76 | 7166 |
| 2003-04 | 1 | 5 | 132 | 470 | 670 | 1010 | 1475 | 1162 | 790 | 458 | 203 | 59 | 6435 |
| 2004-05 | 22 | 61 | 86 | 426 | 747 | 1188 | 1360 | 1074 | 1106 | 496 | 360 | 27 | 6953 |
| 2005- | 4 | 9 | 63 | 425 | 699 | 1255 | | | | | | | |

WBAN : 14826

COOLING DEGREE DAYS (base 65°F) 2005 FLINT, MI (FNT)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 1976 | 0 | 0 | 0 | 20 | 5 | 155 | 196 | 140 | 41 | 3 | 0 | 0 | 560 |
| 1977 | 0 | 0 | 0 | 12 | 86 | 70 | 286 | 140 | 62 | 0 | 0 | 0 | 656 |
| 1978 | 0 | 0 | 0 | 0 | 51 | 95 | 165 | 172 | 108 | 0 | 0 | 0 | 591 |
| 1979 | 0 | 0 | 0 | 0 | 43 | 118 | 177 | 97 | 57 | 17 | 0 | 0 | 509 |
| 1980 | 0 | 0 | 0 | 3 | 27 | 55 | 181 | 183 | 27 | 0 | 0 | 0 | 476 |
| 1981 | 0 | 0 | 0 | 0 | 10 | 77 | 196 | 151 | 19 | 0 | 0 | 0 | 453 |
| 1982 | 0 | 0 | 0 | 0 | 91 | 35 | 204 | 118 | 49 | 6 | 0 | 0 | 503 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 142 | 301 | 268 | 110 | 11 | 0 | 0 | 832 |
| 1984 | 0 | 0 | 0 | 0 | 1 | 157 | 179 | 231 | 53 | 1 | 0 | 0 | 622 |
| 1985 | 0 | 0 | 0 | 28 | 29 | 33 | 179 | 107 | 108 | 0 | 0 | 0 | 484 |
| 1986 | 0 | 0 | 0 | 12 | 38 | 73 | 246 | 103 | 57 | 0 | 0 | 0 | 529 |
| 1987 | 0 | 0 | 0 | 1 | 113 | 189 | 345 | 185 | 55 | 0 | 2 | 0 | 890 |
| 1988 | 0 | 0 | 0 | 0 | 50 | 171 | 328 | 266 | 34 | 6 | 0 | 0 | 855 |
| 1989 | 0 | 0 | 0 | 0 | 19 | 88 | 207 | 128 | 46 | 1 | 0 | 0 | 489 |
| 1990 | 0 | 0 | 5 | 40 | 5 | 100 | 177 | 153 | 65 | 9 | 1 | 0 | 555 |
| 1991 | 0 | 0 | 0 | 11 | 151 | 171 | 217 | 173 | 67 | 10 | 0 | 0 | 800 |
| 1992 | 0 | 0 | 0 | 2 | 34 | 61 | 91 | 74 | 53 | 0 | 0 | 0 | 315 |
| 1993 | 0 | 0 | 0 | 0 | 9 | 101 | 251 | 189 | 12 | 1 | 0 | 0 | 563 |
| 1994 | 0 | 0 | 0 | 9 | 24 | 142 | 180 | 88 | 54 | 0 | 0 | 0 | 497 |
| 1995 | 0 | 0 | 0 | 0 | 7 | 147 | 250 | 293 | 28 | 8 | 0 | 0 | 733 |
| 1996 | 0 | 0 | 0 | 0 | 30 | 129 | 111 | 170 | 56 | 1 | 0 | 0 | 497 |
| 1997 | 0 | 0 | 0 | 0 | 0 | 117 | 166 | 64 | 17 | 8 | 0 | 0 | 372 |
| 1998 | 0 | 0 | 11 | 0 | 55 | 178 | 180 | 197 | 88 | 8 | 0 | 0 | 717 |
| 1999 | 0 | 0 | 0 | 2 | 29 | 174 | 256 | 85 | 51 | 0 | 0 | 0 | 597 |
| 2000 | 0 | 0 | 4 | 0 | 48 | 120 | 110 | 138 | 56 | 5 | 0 | 0 | 481 |
| 2001 | 0 | 0 | 0 | 0 | 22 | 134 | 215 | 205 | 40 | 4 | 0 | 0 | 620 |
| 2002 | 0 | 0 | 0 | 27 | 21 | 176 | 315 | 193 | 128 | 22 | 0 | 0 | 882 |
| 2003 | 0 | 0 | 0 | 9 | 2 | 68 | 189 | 193 | 46 | 1 | 0 | 0 | 508 |
| 2004 | 0 | 0 | 0 | 14 | 45 | 97 | 134 | 85 | 71 | 0 | 0 | 0 | 446 |
| 2005 | 0 | 0 | 0 | 2 | 9 | 221 | 235 | 212 | 73 | 27 | 0 | 0 | 779 |

SNOWFALL (inches) 2005 FLINT, MI (FNT)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|----------------|-----|-----|-----|-----|-----|------|------|------|------|-----|-----|-----|-------|
| 1976-77 | 0.0 | 0.0 | 0.0 | T | 2.4 | 17.6 | 15.6 | 3.8 | 5.1 | 0.3 | 0.0 | 0.0 | 44.8 |
| 1977-78 | 0.0 | 0.0 | 0.0 | T | 3.4 | 9.9 | 23.6 | 8.4 | 5.0 | 0.3 | 0.0 | 0.0 | 50.6 |
| 1978-79 | 0.0 | 0.0 | 0.0 | 0.0 | 6.2 | 9.8 | 26.1 | 3.0 | 5.4 | 1.5 | 0.0 | 0.0 | 52.0 |
| 1979-80 | 0.0 | 0.0 | 0.0 | T | 9.4 | 2.5 | 6.2 | 7.2 | 10.8 | 3.6 | 0.0 | 0.0 | 39.7 |
| 1980-81 | 0.0 | 0.0 | 0.0 | T | 0.6 | 13.8 | 9.5 | 8.4 | 4.1 | T | 0.0 | 0.0 | 36.4 |
| 1981-82 | 0.0 | 0.0 | 0.0 | T | 2.8 | 11.9 | 19.3 | 10.7 | 9.3 | 8.2 | 0.0 | 0.0 | 62.2 |
| 1982-83 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 3.6 | 3.8 | 4.8 | 13.0 | 7.1 | 0.0 | 0.0 | 33.6 |
| 1983-84 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | 20.0 | 9.0 | 3.6 | 6.5 | 0.5 | 0.0 | 0.0 | 42.0 |
| 1984-85 | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 11.0 | 15.3 | 14.4 | 6.4 | 1.2 | 0.0 | 0.0 | 49.4 |
| 1985-86 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | 13.2 | 11.2 | 20.6 | 4.3 | 0.6 | 0.0 | 0.0 | 53.3 |
| 1986-87 | 0.0 | 0.0 | 0.0 | 0.0 | 4.8 | 8.9 | 16.9 | 2.2 | 4.3 | 1.5 | 0.0 | 0.0 | 38.6 |
| 1987-88 | 0.0 | 0.0 | 0.0 | 0.5 | T | 8.8 | 5.9 | 19.6 | 4.3 | 0.1 | 0.0 | 0.0 | 48.3 |
| 1988-89 | 0.0 | 0.0 | 0.0 | T | 1.3 | 6.2 | 8.7 | 8.7 | 3.3 | 1.3 | 0.0 | T | 29.5 |
| 1989-90 | 0.0 | 0.0 | 0.0 | 4.4 | 7.8 | 11.3 | 5.6 | 20.8 | 2.9 | 2.6 | 0.0 | 0.0 | 55.4 |
| 1990-91 | 0.0 | 0.0 | 0.0 | 0.0 | T | 10.6 | 16.6 | 5.8 | 1.2 | T | 0.0 | 0.0 | 34.2 |
| 1991-92 | 0.0 | 0.0 | 0.0 | T | 4.9 | 16.7 | 14.0 | 1.4 | 14.4 | 3.0 | T | T | 54.4 |
| 1992-93 | T | 0.0 | 0.0 | 1.8 | 0.6 | 4.6 | 11.3 | 16.1 | 11.8 | 7.0 | 0.0 | 0.0 | 53.2 |
| 1993-94 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 3.5 | 14.7 | 20.1 | 4.2 | 0.2 | 0.3 | 0.0 | 44.6 |
| 1994-95 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 10.2 | 18.4 | 7.4 | 4.5 | 0.8 | 0.0 | 0.0 | 42.5 |
| 1995-96 | 0.0 | 0.0 | 0.0 | T | 3.5 | 7.1 | 4.9 | 5.4 | 17.7 | T | 0.0 | 0.0 | 38.6 |
| 1996-97 | 0.0 | 0.0 | 0.0 | T | 2.3 | 11.9 | 17.3 | 5.4 | 3.7 | 2.9 | 0.0 | 0.0 | 43.5 |
| 1997-98 | 0.0 | 0.0 | 0.0 | 2.8 | 3.3 | 6.9 | 8.0 | 0.4 | 6.9 | 0.0 | 0.0 | 0.0 | 28.3 |
| 1998-99 | 0.0 | T | 0.0 | 0.0 | 0.2 | 3.4 | 24.9 | 6.0 | 14.4 | T | T | 0.0 | 48.9 |
| 1999-00 | 0.0 | 0.0 | 0.0 | 0.0 | T | 5.1 | 10.4 | 7.2 | 1.9 | 4.9 | 0.0 | 0.0 | 29.5 |
| 2000-01 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 | 35.3 | 5.1 | 5.0 | 3.8 | 2.0 | 0.0 | 0.0 | 53.4 |
| 2001-02 | 0.0 | 0.0 | 0.0 | T | T | 8.1 | 15.6 | 8.9 | 4.7 | 3.1 | T | 0.0 | 40.4 |
| 2002-03 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 12.9 | 8.4 | 12.5 | 9.8 | 3.6 | 0.0 | 0.0 | 49.3 |
| 2003-04 | 0.0 | T | 0.0 | 0.0 | 2.5 | 10.3 | 24.7 | 6.1 | 5.3 | 0.7 | T | 0.0 | 49.6 |
| 2004-05 | 0.0 | 0.0 | 0.0 | 0.0 | 4.6 | 13.7 | 19.7 | 14.7 | 12.3 | 8.0 | T | 0.0 | 73.0 |
| 2005- | 0.0 | 0.0 | 0.0 | 0.0 | 5.7 | 22.2 | | | | | | | |
| POR= 63 YRS | T | 0.0 | T | 0.2 | 3.5 | 10.2 | 11.9 | 9.2 | 7.4 | 2.4 | 0.0 | T | 44.8 |

WBAN : 14826

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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2005
FLINT,
MICHIGAN (FNT)

Flint, Michigan, is located in the Flint River Valley, in the center of Genesee County. Lake Huron lies approximately 65 miles to the east, while Saginaw Bay is about 40 miles to the north. The surrounding terrain is generally level with a slight rising tendency to a range of hills 15 to 20 miles southeast of the city.

Flint is generally under the climatic influence of the Great Lakes. Temperatures of 100 degrees or higher are rare and cold waves are less severe than expected. During the winter months, snow showers occur with strong northwesterly winds, and Lake Michigan, lying 120 miles to the west, causes a tempering effect upon cold waves coming from the northwest. The lake effect also results in delaying the coming of spring and prolonging warmer weather in late autumn. This results in conditions favorable for orchards and small fruit.

Precipitation is usually ample for growth and development of vegetation. The wettest periods normally occur in the late spring, early summer, and early fall. The driest period is normally during the winter, and although there is an occasional heavy snowfall, most of the snow occurs in the form of frequent light flurries.

Winter months are marked by considerable cloudiness and rather high relative humidity, while during the summer relative humidity is usually not excessive and sunshine is plentiful.

Violent windstorms associated with thunderstorms and squall lines occasionally hit this area. Tornadoes are infrequent but have caused extensive property damage and loss of life.

Weather changes are frequent throughout the year, since a majority of atmospheric disturbances moving eastward across the country pass near enough to affect the weather in Flint.

STATION LOCATION

FLINT, MICHIGAN

| 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 | TEMPERATURE | WIND INSTRUMENT | EXTREME THERMOMETERS | PSYCHROMETER | SUNSHINE SWITCH | TIPPING BUCKET | RAIN GAUGE | WIND GAUGE | 8 INCH RAIN GAUGE | | |
| *NOTE: <u>AIRPORT</u> Weather Bureau Bldg. + Bishop Airport + National Weather Service Building (Effective 1970) Bishop Airport | 03/17/57 | 06/01/95 | 0.6 mi. W | 42°58' | 83°45' | 766 h770 i771 | 35 e35 f21 | 5 e5 | 5 e5 | | | | 5 e5 | 3 e4 | g4 | | e. Moved 250' NE 11/15/57. f. Moved 3600' ESE 9/9/63. g. Commissioned 2100' S of thermometer site 10/1/63. h. Effective 10/1/63. i. Revised 12/31/68. ASOS Commissioned 06/01/95 j. Ground elevation. |
| | 06/01/95 | Present | NA | 42°58' | 83°45' | j780 | | | | | | | | | | S | |

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* NOTES: For earlier station history see previous editions.