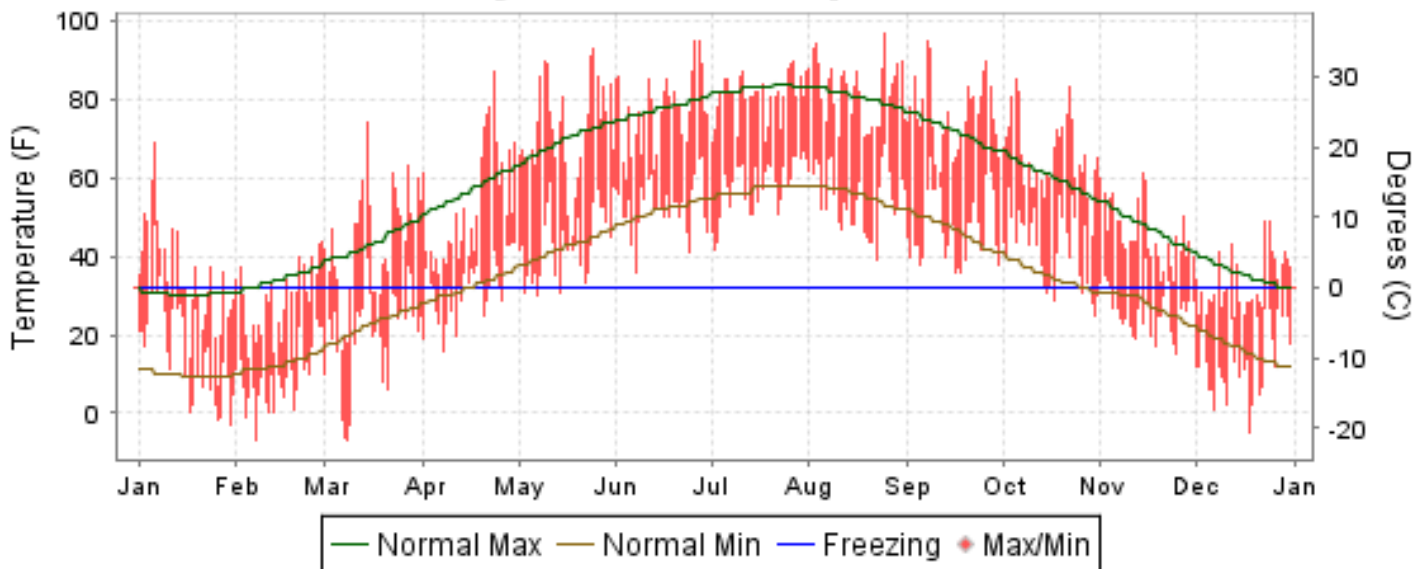




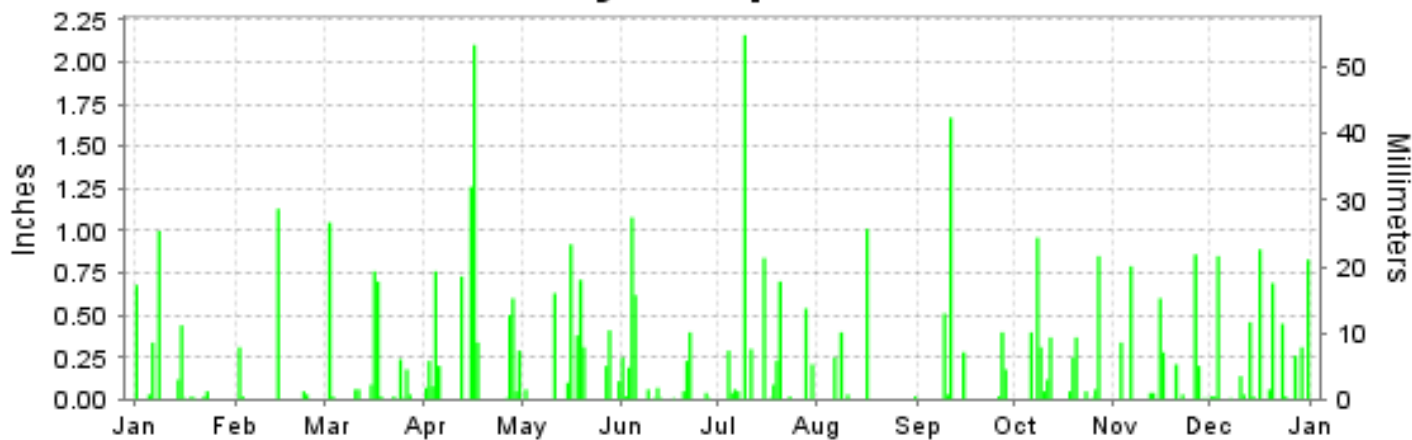
2007 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

ISSN 0198-3369

CONCORD, NEW HAMPSHIRE (KCON) Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC DATA CENTER.

NATIONAL
OCEANIC AND
ATMOSPHERIC ADMINISTRATION

NATIONAL
ENVIRONMENTAL SATELLITE, DATA
AND INFORMATION SERVICE

NATIONAL
CLIMATIC DATA CENTER
ASHEVILLE, NORTH CAROLINA

Thomas R. Karl
DIRECTOR
NATIONAL CLIMATIC DATA CENTER

METEOROLOGICAL DATA FOR 2007

CONCORD (KCON)

LATITUDE: 43° 11'N LONGITUDE: -71° 30'W ELEVATION (FT): GRND: 340 BARO: 343 TIME ZONE: EASTERN (UTC -5) WBAN: 14745

| ELEMENT | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR | |
|--------------------------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-----------|--|
| TEMPERATURE °F | MEAN DAILY MAXIMUM | 34.6 | 28.5 | 44.0 | 52.9 | 72.4 | 77.4 | 80.9 | 82.1 | 76.1 | 66.2 | 45.7 | 33.2 | 57.8 | |
| | HIGHEST DAILY MAXIMUM | 69 | 44 | 74 | 87 | 93 | 95 | 90 | 97 | 95 | 85 | 61 | 49 | 97 | |
| | DATE OF OCCURRENCE | 06 | 28 | 14 | 23 | 25 | 27+ | 27 | 25 | 07 | 05 | 14 | 24+ | AUG 25 | |
| | MEAN DAILY MINIMUM | 16.3 | 9.0 | 19.9 | 32.1 | 43.3 | 52.9 | 58.0 | 55.0 | 47.2 | 42.1 | 26.1 | 14.1 | 34.7 | |
| | LOWEST DAILY MINIMUM | -3 | -7 | -7 | 16 | 30 | 36 | 42 | 39 | 36 | 25 | 15 | -5 | -7 | |
| | DATE OF OCCURRENCE | 30 | 07 | 08 | 07 | 07 | 07 | 02 | 22 | 18+ | 30 | 25 | 18 | MAR 08 | |
| | AVERAGE DRY BULB | 25.5 | 18.8 | 32.0 | 42.5 | 57.9 | 65.2 | 69.5 | 68.6 | 61.7 | 54.2 | 35.9 | 23.7 | 46.3 | |
| | MEAN WET BULB | 22.9 | 16.2 | 27.9 | 37.2 | 49.5 | 58.6 | 63.1 | 61.9 | 55.8 | 50.1 | 32.6 | 22.1 | 41.5 | |
| | MEAN DEW POINT | 15.5 | 5.8 | 17.3 | 28.9 | 39.9 | 53.6 | 59.1 | 57.2 | 50.8 | 45.9 | 26.0 | 16.6 | 34.7 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | MAXIMUM >= 90° | 0 | 0 | 0 | 0 | 3 | 2 | 1 | 4 | 3 | 0 | 0 | 0 | 13 | |
| MAXIMUM <= 32° | 16 | 18 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 59 | | |
| MINIMUM <= 32° | 29 | 28 | 28 | 16 | 3 | 0 | 0 | 0 | 0 | 8 | 25 | 31 | 168 | | |
| MINIMUM <= 0° | 4 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 13 | | |
| H/C | HEATING DEGREE DAYS | 1218 | 1285 | 1019 | 667 | 251 | 78 | 20 | 46 | 143 | 334 | 866 | 1274 | 7201 | |
| | COOLING DEGREE DAYS | 0 | 0 | 0 | 0 | 35 | 90 | 167 | 163 | 50 | 5 | 0 | 0 | 510 | |
| RH | MEAN (PERCENT) | 66 | 56 | 58 | 65 | 58 | 69 | 73 | 69 | 71 | 76 | 69 | 74 | 67 | |
| | HOUR 01 LST | 73 | 67 | 68 | 79 | 77 | 86 | 90 | 88 | 89 | 86 | 75 | 76 | 80 | |
| | HOUR 07 LST | 73 | 62 | 64 | 67 | 62 | 70 | 74 | 75 | 79 | 83 | 76 | 79 | 72 | |
| | HOUR 13 LST | 54 | 42 | 43 | 50 | 35 | 52 | 54 | 46 | 45 | 55 | 54 | 66 | 50 | |
| | HOUR 19 LST | 67 | 57 | 57 | 62 | 53 | 70 | 76 | 70 | 75 | 81 | 70 | 74 | 68 | |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | |
| W/O | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG(VISBY <= 1/4 MI) | 2 | 2 | 4 | 5 | 2 | 3 | 9 | 6 | 8 | 8 | 6 | 9 | 64 | |
| | THUNDERSTORMS | 0 | 0 | 0 | 1 | 6 | 9 | 7 | 5 | 3 | 0 | 0 | 0 | 31 | |
| CLOUDNESS | 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.) | 29.59 | 29.44 | 29.70 | 29.49 | 29.70 | 29.55 | 29.57 | 29.60 | 29.72 | 29.68 | 29.65 | 29.70 | 29.62 | |
| | MEAN SEA-LEVEL PRESS. (IN.) | 29.98 | | 30.08 | 29.86 | 30.07 | 29.92 | 29.93 | 29.97 | 30.10 | 30.05 | 30.03 | 30.10 | | |
| WINDS | RESULTANT SPEED (MPH) | 4.2 | | 4.1 | 2.1 | 2.7 | 1.7 | 1.1 | 1.3 | 1.5 | 0.9 | 2.7 | 3.4 | | |
| | RES. DIR. (TENS OF DEGS.) | 30 | | 30 | 33 | 32 | 31 | 27 | 27 | 27 | 27 | 30 | 30 | | |
| | MEAN SPEED (MPH) | 6.2 | 7.9 | 7.9 | 6.8 | 5.6 | 4.9 | 4.3 | 3.9 | 4.1 | 3.9 | 5.5 | 4.9 | 5.5 | |
| | PREVAIL.DIR.(TENS OF DEGS.) | 31 | 31 | 31 | 30 | 32 | 30 | 32 | 31 | 32 | 31 | 31 | 31 | 31 | |
| | MAXIMUM 2-MINUTE WIND | | | | | | | | | | | | | | |
| | SPEED (MPH) | 31 | 32 | 35 | 29 | 28 | 30 | 33 | 25 | 25 | 28 | 28 | 32 | 35 | |
| | DIR. (TENS OF DEGS.) | 31 | 31 | 30 | 06 | 31 | 32 | 32 | 30 | 33 | 21 | 29 | 31 | 30 | |
| | DATE OF OCCURRENCE | 20 | 23 | 20 | 16 | 04 | 22 | 06 | 18 | 15 | 23 | 28 | 01 | MAR 20 | |
| | MAXIMUM 5-SECOND WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 48 | 47 | 47 | 45 | 37 | 66 | 47 | 37 | 36 | 38 | 37 | 44 | 66 | |
| DIR. (TENS OF DEGS.) | 30 | 29 | 32 | 06 | 30 | 34 | 22 | 31 | 28 | 22 | 28 | 31 | 34 | | |
| DATE OF OCCURRENCE | 20 | 14 | 20 | 16 | 03 | 01 | 09 | 18 | 12 | 23 | 28 | 01 | JUN 01 | | |
| PRECIPITATION | WATER EQUIVALENT: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 2.72 | 1.54 | 3.24 | 7.22 | 3.83 | 3.05 | 5.54 | 1.71 | 3.09 | 3.85 | 3.40 | 5.06 | 44.25 | |
| | GREATEST 24-HOUR (IN.) | 1.00 | 2.04 | 1.46 | 2.88 | 0.92 | 1.09 | 2.16 | 1.01 | 1.68 | 0.96 | 1.02 | 0.89 | 2.88 | |
| | DATE OF OCCURRENCE | 08 | 25-26 | 16-17 | 15-16 | 16 | 03-04 | 09 | 16 | 10-11 | 08 | 26-27 | 16 | APR 15-16 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| PRECIPITATION 0.01 | 11 | 5 | 13 | 14 | 10 | 15 | 14 | 5 | 7 | 13 | 11 | 16 | 134 | | |
| PRECIPITATION 0.10 | 5 | 2 | 5 | 10 | 9 | 6 | 8 | 3 | 5 | 8 | 7 | 9 | 77 | | |
| PRECIPITATION 1.00 | 1 | 1 | 1 | 2 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 9 | | |
| SNOWFALL | SNOW,ICE PELLETS,HAIL | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 2.5 | 15.0 | 17.2 | 12.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 44.5 | 93.3 | |
| | GREATEST 24-HOUR (IN.) | 1.0 | 8.3 | 8.8 | 5.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 10.9 | 10.9 | |
| | DATE OF OCCURRENCE | 23 | 14 | 16 | 04 | | | | | | | 20 | 20 | DEC 20 | |
| | MAXIMUM SNOW DEPTH (IN.) | 2 | 11 | 12 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 24 | 24 | |
| | DATE OF OCCURRENCE | 31+ | 23+ | 03 | 05 | | | | | | | 21 | 31 | DEC 31 | |
| NUMBER OF DAYS WITH: | | | | | | | | | | | | | | | |
| SNOWFALL >= 1.0 | 1 | 3 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 7 | 19 | | |

NORMALS, MEANS, AND EXTREMES CONCORD (KCON)

LATITUDE:
43° 11'N

LONGITUDE:
-71° 30'W

ELEVATION (FT):
GRND: 340 BARO: 343

TIME ZONE:
EASTERN (UTC -5)

WBAN: 14745

| | ELEMENT | POR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR |
|-----------------------|---|----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------|
| TEMPERATURE °F | NORMAL DAILY MAXIMUM | 30 | 30.6 | 34.1 | 43.8 | 56.9 | 69.6 | 77.9 | 82.9 | 80.8 | 72.1 | 60.5 | 47.6 | 35.6 | 57.7 |
| | MEAN DAILY MAXIMUM | 87 | 31.1 | 32.7 | 42.7 | 55.6 | 68.5 | 76.5 | 82.2 | 80.1 | 71.4 | 61.0 | 47.1 | 35.1 | 57.0 |
| | HIGHEST DAILY MAXIMUM | 66 | 69 | 67 | 89 | 95 | 97 | 98 | 102 | 101 | 98 | 90 | 80 | 73 | 102 |
| | YEAR OF OCCURRENCE | | 2007 | 1997 | 1998 | 1976 | 1962 | 1995 | 1966 | 1975 | 1953 | 1963 | 1950 | 1998 | JUL 1966 |
| | MEAN OF EXTREME MAXS. | 87 | 50.7 | 52.2 | 65.0 | 79.6 | 88.1 | 92.5 | 93.7 | 92.3 | 88.1 | 79.7 | 68.1 | 55.2 | 75.4 |
| | NORMAL DAILY MINIMUM | 30 | 9.7 | 12.6 | 22.7 | 32.2 | 42.4 | 51.8 | 57.1 | 55.6 | 46.6 | 35.1 | 27.6 | 16.2 | 34.1 |
| | MEAN DAILY MINIMUM | 87 | 10.7 | 12.1 | 22.6 | 32.0 | 42.3 | 51.4 | 57.2 | 55.1 | 46.6 | 36.1 | 27.8 | 16.2 | 34.2 |
| | LOWEST DAILY MINIMUM | 66 | -33 | -37 | -16 | 8 | 21 | 30 | 35 | 29 | 21 | 10 | -5 | -22 | -37 |
| | YEAR OF OCCURRENCE | | 1984 | 1943 | 1967 | 2003 | 1966 | 1972 | 1965 | 1965 | 1947 | 1972 | 1989 | 1951 | FEB 1943 |
| | MEAN OF EXTREME MINS. | 87 | -12.5 | -10.8 | 0.9 | 18.0 | 27.6 | 36.6 | 43.6 | 40.3 | 30.2 | 19.7 | 10.3 | -5.8 | 16.5 |
| | NORMAL DRY BULB | 30 | 20.1 | 23.3 | 33.3 | 44.6 | 56.0 | 64.9 | 70.0 | 68.2 | 59.4 | 47.8 | 37.6 | 25.9 | 45.9 |
| | MEAN DRY BULB | 87 | 20.9 | 22.4 | 32.7 | 43.8 | 55.4 | 64.1 | 69.7 | 67.7 | 59.0 | 48.6 | 37.5 | 25.7 | 45.6 |
| | MEAN WET BULB | 24 | 19.2 | 20.9 | 28.4 | 38.5 | 49.0 | 58.7 | 63.5 | 62.5 | 55.0 | 43.9 | 34.3 | 24.2 | 41.5 |
| | MEAN DEW POINT | 24 | 13.7 | 14.4 | 21.8 | 31.5 | 43.4 | 54.5 | 60.0 | 59.2 | 51.8 | 39.6 | 29.6 | 19.0 | 36.5 |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| | MAXIMUM >= 90 | 30 | 0.0 | 0.0 | 0.0 | 0.2 | 1.0 | 2.5 | 4.5 | 2.8 | 0.4 | 0.0 | 0.0 | 0.0 | 11.4 |
| MAXIMUM <= 32 | 30 | 17.7 | 12.8 | 4.5 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 12.0 | 49.0 | |
| MINIMUM <= 32 | 30 | 30.1 | 27.1 | 26.1 | 16.5 | 4.7 | 0.2 | 0.0 | 0.1 | 2.3 | 14.3 | 21.5 | 29.1 | 172.0 | |
| MINIMUM <= 0 | 30 | 8.6 | 5.9 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 4.2 | 19.8 | |
| H/C | NORMAL HEATING DEG. DAYS | 30 | 1402 | 1183 | 997 | 623 | 302 | 90 | 22 | 44 | 212 | 548 | 835 | 1220 | 7478 |
| | NORMAL COOLING DEG. DAYS | 30 | 0 | 0 | 0 | 2 | 18 | 82 | 173 | 133 | 33 | 1 | 0 | 0 | 442 |
| RH | NORMAL (PERCENT) | 30 | 69 | 66 | 64 | 62 | 66 | 70 | 72 | 75 | 76 | 73 | 72 | 72 | 70 |
| | HOURLY 01 LST | 30 | 75 | 73 | 73 | 76 | 83 | 87 | 89 | 91 | 91 | 86 | 80 | 78 | 82 |
| | HOURLY 07 LST | 30 | 77 | 76 | 77 | 75 | 77 | 80 | 83 | 88 | 90 | 87 | 83 | 80 | 81 |
| | HOURLY 13 LST | 30 | 59 | 54 | 52 | 46 | 47 | 51 | 51 | 53 | 54 | 52 | 58 | 60 | 53 |
| | HOURLY 19 LST | 30 | 67 | 62 | 59 | 55 | 58 | 62 | 64 | 70 | 76 | 72 | 71 | 71 | 66 |
| S | PERCENT POSSIBLE SUNSHINE | 58 | 52 | 55 | 53 | 52 | 54 | 57 | 63 | 60 | 56 | 53 | 43 | 47 | 54 |
| W/O | MEAN NO. DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG(VISBY <= 1/4 MI) THUNDERSTORMS | 44 60 | 2.8 0.1 | 2.4 0.1 | 3.5 0.2 | 1.9 0.8 | 2.9 2.5 | 3.4 4.5 | 3.9 5.2 | 5.4 4.1 | 8.1 1.8 | 6.2 0.6 | 3.7 0.2 | 3.3 0.1 | 47.5 20.2 |
| CLOUDNESS | MEAN: | | | | | | | | | | | | | | |
| | SUNRISE-SUNSET (OKTAS) | 55 | 5.0 | 5.0 | 5.1 | 5.3 | 5.4 | 5.0 | 4.9 | 4.6 | 4.7 | 4.6 | 5.3 | 5.0 | 5.0 |
| | MIDNIGHT-MIDNIGHT (OKTAS) | 32 | 4.7 | 4.6 | 4.7 | 4.9 | 5.0 | 4.7 | 4.6 | 4.4 | 4.6 | 4.4 | 5.0 | 4.8 | 4.7 |
| | MEAN NO. DAYS WITH: | | | | | | | | | | | | | | |
| | CLEAR | 55 | 9.0 | 7.5 | 7.7 | 7.0 | 6.1 | 6.1 | 6.5 | 8.1 | 8.4 | 9.0 | 6.2 | 7.7 | 89.3 |
| PARTLY CLOUDY | 55 | 7.1 | 7.6 | 8.0 | 8.1 | 9.9 | 11.6 | 12.2 | 11.1 | 8.9 | 8.7 | 7.5 | 7.7 | 108.4 | |
| CLOUDY | 55 | 14.9 | 13.2 | 15.3 | 14.9 | 15.0 | 12.2 | 11.7 | 11.3 | 12.2 | 12.7 | 15.8 | 15.1 | 164.3 | |
| PR | MEAN STATION PRESSURE(IN) | 24 | 29.63 | 29.63 | 29.62 | 29.58 | 29.60 | 29.57 | 29.59 | 29.64 | 29.68 | 29.68 | 29.66 | 29.64 | 29.63 |
| | MEAN SEA-LEVEL PRES. (IN) | 24 | 30.02 | 30.03 | 30.00 | 29.95 | 29.97 | 29.94 | 29.96 | 30.01 | 30.05 | 30.06 | 30.05 | 30.03 | 30.01 |
| WINDS | MEAN SPEED (MPH) | 24 | 6.6 | 7.3 | 7.5 | 7.2 | 6.5 | 5.9 | 5.4 | 4.9 | 5.2 | 5.7 | 6.2 | 6.4 | 6.2 |
| | PREVAIL.DIR(TENS OF DEGS) | 27 | 32 | 32 | 32 | 32 | 33 | 33 | 32 | 33 | 33 | 32 | 32 | 32 | 32 |
| | MAXIMUM 2-MINUTE: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 11 | 38 | 40 | 40 | 39 | 38 | 43 | 43 | 30 | 36 | 37 | 36 | 39 | 43 |
| | DIR. (TENS OF DEGS) | | 33 | 31 | 32 | 29 | 29 | 33 | 32 | 28 | 06 | 31 | 31 | 32 | 33 |
| | YEAR OF OCCURRENCE | | 2000 | 2001 | 2005 | 2004 | 2002 | 2004 | 1999 | 2006 | 1999 | 1998 | 2004 | 1999 | JUN 2004 |
| | MAXIMUM 5-SECOND | | | | | | | | | | | | | | |
| | SPEED (MPH) | 11 | 48 | 55 | 52 | 53 | 47 | 66 | 52 | 47 | 47 | 49 | 49 | 52 | 66 |
| DIR. (TENS OF DEGS) | | 30 | 27 | 31 | 29 | 30 | 34 | 32 | 29 | 33 | 29 | 32 | 32 | 34 | |
| YEAR OF OCCURRENCE | | 2007 | 2006 | 2005 | 2004 | 2002 | 2007 | 1999 | 2006 | 2002 | 1998 | 2004 | 1999 | JUN 2007 | |
| PRECIPITATION | NORMAL (IN) | 30 | 2.97 | 2.36 | 3.04 | 3.07 | 3.33 | 3.10 | 3.37 | 3.21 | 3.16 | 3.46 | 3.57 | 2.96 | 37.60 |
| | MAXIMUM MONTHLY (IN) | 66 | 8.09 | 7.77 | 7.81 | 7.22 | 11.09 | 10.10 | 6.53 | 7.26 | 9.44 | 14.57 | 7.36 | 7.52 | 14.57 |
| | YEAR OF OCCURRENCE | | 1979 | 1981 | 1953 | 2007 | 2006 | 1944 | 1988 | 1991 | 1999 | 2005 | 1983 | 1973 | OCT 2005 |
| | MINIMUM MONTHLY (IN) | 66 | 0.40 | 0.03 | 0.86 | 0.83 | 0.60 | 0.64 | 0.96 | 0.06 | 0.41 | 0.59 | 0.75 | 0.58 | 0.03 |
| | YEAR OF OCCURRENCE | | 1970 | 1987 | 1981 | 1999 | 1965 | 1979 | 1955 | 1996 | 1948 | 1947 | 1976 | 1943 | FEB 1987 |
| | MAXIMUM IN 24 HOURS (IN) | 66 | 2.12 | 2.26 | 2.48 | 2.88 | 5.60 | 4.47 | 2.54 | 3.97 | 4.12 | 5.24 | 2.89 | 3.31 | 5.60 |
| | YEAR OF OCCURRENCE | | 1979 | 1981 | 2001 | 2007 | 2006 | 1944 | 1971 | 1991 | 1960 | 2005 | 1947 | 1969 | MAY 2006 |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| PRECIPITATION >= 0.01 | 30 | 11.1 | 9.2 | 11.5 | 11.8 | 12.0 | 11.6 | 10.5 | 9.9 | 9.5 | 9.5 | 10.9 | 11.2 | 128.7 | |
| PRECIPITATION >= 1.00 | 30 | 0.5 | 0.5 | 0.6 | 0.5 | 0.6 | 0.5 | 0.5 | 0.6 | 0.7 | 1.0 | 0.8 | 0.7 | 7.9 | |
| SNOWFALL | NORMAL (IN) | 30 | 18.9 | 12.9 | 11.5 | 3.1 | 0.* | 0.0 | 0.0 | 0.0 | 0.* | 0.1 | 4.7 | 13.4 | 64.6 |
| | MAXIMUM MONTHLY (IN) | 66 | 45.4 | 49.8 | 38.3 | 15.3 | 5.0 | T | 0.0 | 0.0 | T | 2.1 | 18.4 | 44.5 | 49.8 |
| | YEAR OF OCCURRENCE | | 1987 | 1969 | 1956 | 1982 | 1945 | 1993 | | | 1992 | 1969 | 1971 | 2007 | FEB 1969 |
| | MAXIMUM IN 24 HOURS (IN) | 66 | 19.0 | 14.2 | 18.1 | 13.9 | 5.0 | T | 0.0 | 0.0 | T | 2.1 | 9.5 | 15.6 | 19.0 |
| | YEAR OF OCCURRENCE' | | 1944 | 1972 | 2001 | 1982 | 1945 | 1993 | | | 1992 | 1969 | 1961 | 2005 | JAN 1944 |
| | MAXIMUM SNOW DEPTH (IN) | 59 | 25 | 37 | 34 | 17 | 1 | 0 | 0 | 0 | 0 | 2 | 10 | 26 | 37 |
| | YEAR OF OCCURRENCE | | 1952 | 1969 | 1969 | 1956 | 1966 | | | | | 1969 | 1971 | 1970 | FEB 1969 |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| SNOWFALL >= 1.0 | 30 | 4.8 | 2.9 | 3.1 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 4.0 | 17.0 | |

PRECIPITATION (inches) 2007 CONCORD (KCON)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|------|------|------|------|-------|------|------|------|------|-------|------|------|--------|
| 1978 | 6.32 | 0.67 | 2.16 | 2.06 | 2.67 | 3.18 | 1.08 | 2.87 | 0.46 | 2.72 | 1.77 | 2.91 | 28.87 |
| 1979 | 8.09 | 2.29 | 2.85 | 3.10 | 4.86 | 0.64 | 3.45 | 4.20 | 3.15 | 3.79 | 2.92 | 1.93 | 41.27 |
| 1980 | 0.43 | 0.78 | 3.37 | 3.72 | 0.86 | 2.83 | 2.35 | 3.99 | 2.19 | 2.63 | 3.12 | 0.79 | 27.06 |
| 1981 | 0.48 | 7.77 | 0.86 | 3.12 | 3.21 | 2.81 | 5.54 | 3.25 | 4.61 | 6.51 | 3.51 | 4.17 | 45.84 |
| 1982 | 3.98 | 2.88 | 2.47 | 3.08 | 1.91 | 7.84 | 2.83 | 2.54 | 1.85 | 1.52 | 2.93 | 0.91 | 34.74 |
| 1983 | 3.92 | 2.17 | 7.07 | 5.88 | 5.19 | 2.52 | 2.07 | 2.07 | 1.21 | 3.28 | 7.36 | 5.35 | 48.09 |
| 1984 | 1.89 | 5.06 | 2.92 | 3.74 | 9.52 | 2.83 | 4.44 | 0.97 | 1.08 | 4.42 | 2.67 | 2.70 | 42.24 |
| 1985 | 0.95 | 1.99 | 2.86 | 1.02 | 2.05 | 3.05 | 2.83 | 2.51 | 3.78 | 3.62 | 4.58 | 1.65 | 30.89 |
| 1986 | 4.78 | 2.23 | 3.58 | 1.85 | 1.44 | 4.95 | 4.77 | 3.72 | 2.27 | 1.71 | 4.48 | 4.50 | 40.28 |
| 1987 | 3.00 | 0.03 | 3.47 | 4.71 | 1.08 | 5.77 | 3.77 | 2.84 | 3.94 | 4.14 | 2.50 | 1.55 | 36.80 |
| 1988 | 1.97 | 2.24 | 1.32 | 2.75 | 3.35 | 0.80 | 6.53 | 5.44 | 1.56 | 1.23 | 5.06 | 1.05 | 33.30 |
| 1989 | 0.74 | 2.05 | 2.18 | 3.40 | 5.11 | 4.25 | 3.62 | 3.55 | 4.22 | 4.86 | 3.34 | 0.91 | 38.23 |
| 1990 | 2.82 | 2.63 | 1.64 | 3.00 | 5.09 | 2.51 | 1.79 | 7.19 | 2.31 | 4.93 | 3.25 | 4.12 | 41.28 |
| 1991 | 1.85 | 1.42 | 3.01 | 2.61 | 2.51 | 1.72 | 1.80 | 7.26 | 5.52 | 3.32 | 4.84 | 3.62 | 39.48 |
| 1992 | 1.97 | 1.30 | 2.77 | 1.78 | 2.39 | 3.28 | 3.50 | 2.13 | 2.48 | 2.41 | 3.54 | 2.23 | 29.78 |
| 1993 | 1.51 | 1.63 | 3.04 | 3.77 | 0.97 | 1.95 | 2.10 | 1.97 | 4.01 | 3.58 | 3.72 | 3.36 | 31.61 |
| 1994 | 3.48 | 0.80 | 5.03 | 2.38 | 4.33 | 1.94 | 4.02 | 2.85 | 3.55 | 0.91 | 2.67 | 4.19 | 36.15 |
| 1995 | 3.39 | 2.03 | 2.46 | 1.64 | 3.56 | 1.36 | 4.01 | 2.42 | 2.70 | 7.31 | 5.58 | 1.95 | 38.41 |
| 1996 | 4.87 | 2.58 | 1.55 | 6.11 | 4.81 | 3.09 | 5.17 | .06 | 3.05 | 8.11 | 2.06 | 5.84 | 47.30 |
| 1997 | 3.29 | 2.20 | 4.04 | 3.66 | 2.29 | 0.70 | 3.80 | 3.67 | 1.68 | 1.44 | 5.63 | 1.95 | 34.35 |
| 1998 | 3.62 | 2.85 | 3.70 | 2.21 | 3.97 | 7.95 | 1.90 | 1.41 | 1.63 | 3.58 | 2.20 | 0.92 | 35.94 |
| 1999 | 5.38 | 2.84 | 2.82 | 0.83 | 2.79 | 1.94 | 4.35 | 3.45 | 9.44 | 2.47 | 2.66 | 1.35 | 40.32 |
| 2000 | 2.26 | 2.83 | 3.34 | 4.82 | 2.89 | 3.14 | 4.33 | 1.89 | 3.54 | 2.29 | 3.42 | 2.99 | 37.74 |
| 2001 | 1.44 | 2.57 | 6.44 | 0.84 | 2.33 | 5.74 | 3.29 | 0.67 | 3.51 | 0.99 | 1.10 | 2.24 | 31.16 |
| 2002 | 2.01 | 1.98 | 3.48 | 2.97 | 4.38 | 5.33 | 2.24 | 1.96 | 3.63 | 3.07 | 5.31 | 3.57 | 39.93 |
| 2003 | 2.52 | 3.38 | 3.16 | 4.08 | 4.71 | 1.64 | 1.91 | 6.78 | 4.99 | 4.22 | 2.23 | 5.31 | 44.93 |
| 2004 | 0.67 | 1.10 | 2.81 | 6.61 | 5.13 | 2.30 | 3.89 | 4.62 | 6.11 | 1.66 | 3.20 | 4.05 | 42.15 |
| 2005 | 3.32 | 2.69 | 4.03 | 5.76 | 3.91 | 5.07 | 2.69 | 3.18 | 2.39 | 14.57 | 5.12 | 4.47 | 57.20 |
| 2006 | 3.60 | 2.60 | 1.31 | 2.64 | 11.09 | 8.85 | 4.16 | 3.45 | 2.27 | 6.94 | 4.80 | 3.53 | 55.24 |
| 2007 | 2.72 | 1.54 | 3.24 | 7.22 | 3.83 | 3.05 | 5.54 | 1.71 | 3.09 | 3.85 | 3.40 | 5.06 | 44.25 |
| POR= 87 YRS | 2.79 | 2.40 | 3.14 | 3.18 | 3.25 | 3.35 | 3.35 | 3.04 | 3.27 | 3.12 | 3.66 | 3.11 | 37.66 |

WBAN : 14745

AVERAGE TEMPERATURE (°F) 2007 CONCORD (KCON)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1978 | 17.5 | 13.5 | 28.0 | 40.6 | 57.5 | 65.2 | 69.7 | 69.6 | 55.9 | 46.7 | 35.3 | 22.7 | 43.5 |
| 1979 | 23.3 | 15.1 | 37.6 | 44.2 | 56.3 | 63.8 | 71.2 | 67.5 | 59.8 | 47.4 | 42.2 | 29.4 | 46.5 |
| 1980 | 22.4 | 19.1 | 31.8 | 44.4 | 55.6 | 62.8 | 70.6 | 68.4 | 58.2 | 45.1 | 34.8 | 19.2 | 44.4 |
| 1981 | 12.5 | 30.8 | 34.2 | 47.1 | 57.5 | 66.1 | 69.9 | 66.6 | 58.7 | 45.2 | 37.8 | 25.4 | 46.0 |
| 1982 | 10.9 | 20.8 | 30.2 | 41.6 | 57.3 | 60.9 | 69.5 | 65.4 | 60.2 | 47.6 | 41.7 | 32.4 | 44.9 |
| 1983 | 23.1 | 26.1 | 35.9 | 45.2 | 53.1 | 65.1 | 70.1 | 69.3 | 62.3 | 48.2 | 39.4 | 23.4 | 46.8 |
| 1984 | 16.0 | 30.5 | 28.2 | 44.6 | 52.9 | 65.9 | 68.7 | 69.3 | 57.8 | 50.4 | 38.3 | 30.3 | 46.1 |
| 1985 | 15.9 | 25.8 | 35.7 | 45.2 | 56.1 | 62.2 | 70.3 | 66.7 | 60.5 | 49.2 | 38.5 | 22.0 | 45.7 |
| 1986 | 23.0 | 21.3 | 35.5 | 48.2 | 57.5 | 61.3 | 67.3 | 66.1 | 57.3 | 47.4 | 34.1 | 29.0 | 45.7 |
| 1987 | 20.0 | 22.0 | 34.5 | 46.8 | 56.7 | 64.4 | 70.6 | 65.1 | 58.7 | 45.8 | 36.9 | 28.1 | 45.8 |
| 1988 | 18.5 | 23.5 | 33.4 | 43.9 | 57.3 | 62.9 | 72.6 | 70.5 | 57.8 | 44.9 | 39.1 | 23.2 | 45.6 |
| 1989 | 25.7 | 22.6 | 31.8 | 41.4 | 58.3 | 65.0 | 69.5 | 67.7 | 60.8 | 49.1 | 35.8 | 11.9 | 45.0 |
| 1990 | 28.6 | 24.6 | 34.7 | 45.6 | 52.8 | 65.3 | 70.8 | 69.8 | 59.7 | 51.8 | 40.1 | 30.9 | 47.9 |
| 1991 | 20.2 | 28.3 | 36.0 | 47.6 | 60.2 | 65.6 | 69.2 | 69.9 | 57.7 | 50.8 | 39.7 | 25.5 | 47.6 |
| 1992 | 23.3 | 26.0 | 30.2 | 42.5 | 55.0 | 64.0 | 66.0 | 67.1 | 59.7 | 44.9 | 35.6 | 26.5 | 45.1 |
| 1993 | 23.5 | 15.7 | 30.5 | 45.7 | 56.9 | 64.9 | 71.4 | 70.0 | 58.8 | 45.3 | 36.4 | 26.8 | 45.5 |
| 1994 | 11.3 | 16.7 | 31.9 | 45.8 | 54.4 | 67.9 | 73.4 | 66.4 | 58.2 | 49.3 | 41.5 | 30.6 | 45.6 |
| 1995 | 28.1 | 20.7 | 36.0 | 41.5 | 55.1 | 66.1 | 73.0 | 69.4 | 56.9 | 52.0 | 34.2 | 22.9 | 46.3 |
| 1996 | 21.2 | 23.4 | 29.6 | 43.9 | 53.7 | 65.2 | 68.4 | 69.3 | 60.6 | 46.3 | 33.4 | 31.3 | 45.5 |
| 1997 | 21.8 | 28.3 | 29.8 | 42.3 | 51.6 | 65.9 | 69.1 | 68.1 | 59.8 | 46.8 | 36.2 | 28.0 | 45.6 |
| 1998 | 27.3 | 30.9 | 36.8 | 46.3 | 59.2 | 64.3 | 69.8 | 69.6 | 61.2 | 49.4 | 39.0 | 31.1 | 48.7 |
| 1999 | 20.7 | 27.8 | 34.5 | 44.9 | 57.0 | 68.4 | 71.7 | 67.2 | 63.4 | 46.3 | 41.9 | 29.7 | 47.8 |
| 2000 | 20.1 | 25.4 | 38.5 | 45.4 | 55.2 | 65.1 | 67.2 | 67.4 | 58.6 | 49.2 | 38.4 | 22.5 | 46.1 |
| 2001 | 19.5 | 23.5 | 29.4 | 44.0 | 56.4 | 66.7 | 66.6 | 72.1 | 60.3 | 49.2 | 40.8 | 32.1 | 46.7 |
| 2002 | 28.8 | 27.8 | 34.3 | 46.9 | 53.4 | 62.7 | 70.4 | 71.0 | 63.4 | 45.4 | 35.6 | 24.8 | 47.0 |
| 2003 | 12.6 | 18.5 | 31.2 | 41.1 | 53.9 | 64.8 | 71.5 | 71.0 | 61.6 | 47.9 | 40.6 | 27.9 | 45.2 |
| 2004 | 14.2 | 25.0 | 35.8 | 46.6 | 57.8 | 62.8 | 69.1 | 69.0 | 61.1 | 48.9 | 38.9 | 27.6 | 46.4 |
| 2005 | 18.6 | 23.7 | 28.6 | 46.9 | 51.2 | 68.4 | 70.6 | 71.0 | 63.2 | 51.1 | 37.9 | 24.0 | 46.3 |
| 2006 | 28.8 | 24.6 | 33.0 | 47.0 | 56.1 | 66.8 | 72.6 | 66.6 | 59.5 | 48.6 | 43.3 | 33.9 | 48.4 |
| 2007 | 25.5 | 18.8 | 32.0 | 42.5 | 57.9 | 65.2 | 69.5 | 68.6 | 61.7 | 54.2 | 35.9 | 23.7 | 46.3 |
| POR= 87 YRS | 20.9 | 22.4 | 32.7 | 43.8 | 55.4 | 64.1 | 69.7 | 67.7 | 59.0 | 48.6 | 37.5 | 25.7 | 45.6 |

HEATING DEGREE DAYS (base 65°F) 2007 CONCORD (KCON)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|-----|------|------|------|------|-----|-----|-----|-------|
| 1978-79 | 45 | 34 | 275 | 563 | 882 | 1304 | 1284 | 1392 | 841 | 617 | 280 | 99 | 7616 |
| 1979-80 | 33 | 64 | 199 | 546 | 675 | 1098 | 1317 | 1324 | 1022 | 610 | 290 | 123 | 7301 |
| 1980-81 | 13 | 33 | 245 | 611 | 899 | 1417 | 1626 | 953 | 951 | 530 | 267 | 40 | 7585 |
| 1981-82 | 12 | 43 | 192 | 608 | 810 | 1222 | 1674 | 1233 | 1072 | 695 | 246 | 136 | 7943 |
| 1982-83 | 25 | 66 | 169 | 535 | 692 | 1007 | 1291 | 1086 | 895 | 588 | 364 | 82 | 6800 |
| 1983-84 | 14 | 33 | 167 | 521 | 760 | 1283 | 1516 | 993 | 1135 | 607 | 382 | 85 | 7496 |
| 1984-85 | 19 | 27 | 238 | 446 | 792 | 1072 | 1514 | 1092 | 901 | 588 | 286 | 106 | 7081 |
| 1985-86 | 9 | 38 | 166 | 485 | 785 | 1326 | 1295 | 1216 | 907 | 499 | 267 | 140 | 7133 |
| 1986-87 | 41 | 67 | 251 | 538 | 919 | 1109 | 1390 | 1199 | 939 | 542 | 296 | 77 | 7368 |
| 1987-88 | 18 | 89 | 201 | 589 | 837 | 1138 | 1436 | 1194 | 971 | 626 | 254 | 137 | 7490 |
| 1988-89 | 19 | 60 | 219 | 622 | 769 | 1289 | 1211 | 1182 | 1022 | 703 | 219 | 80 | 7395 |
| 1989-90 | 6 | 53 | 169 | 484 | 865 | 1639 | 1121 | 1121 | 933 | 585 | 369 | 67 | 7412 |
| 1990-91 | 22 | 15 | 183 | 409 | 737 | 1049 | 1381 | 1024 | 893 | 517 | 186 | 58 | 6474 |
| 1991-92 | 19 | 7 | 238 | 438 | 754 | 1216 | 1286 | 1123 | 1070 | 669 | 319 | 90 | 7229 |
| 1992-93 | 52 | 33 | 203 | 617 | 875 | 1190 | 1277 | 1372 | 1062 | 574 | 248 | 85 | 7588 |
| 1993-94 | 6 | 15 | 229 | 600 | 851 | 1177 | 1661 | 1345 | 1021 | 568 | 338 | 50 | 7861 |
| 1994-95 | 1 | 54 | 210 | 479 | 699 | 1059 | 1137 | 1235 | 893 | 697 | 309 | 46 | 6819 |
| 1995-96 | 6 | 17 | 257 | 397 | 918 | 1298 | 1352 | 1198 | 1093 | 625 | 358 | 54 | 7573 |
| 1996-97 | 10 | 6 | 171 | 572 | 943 | 1038 | 1334 | 1023 | 1086 | 675 | 409 | 83 | 7350 |
| 1997-98 | 16 | 18 | 178 | 560 | 858 | 1138 | 1161 | 950 | 870 | 554 | 186 | 91 | 6580 |
| 1998-99 | 5 | 15 | 144 | 475 | 773 | 1044 | 1365 | 1037 | 940 | 598 | 249 | 51 | 6696 |
| 1999-00 | 10 | 38 | 116 | 571 | 687 | 1087 | 1387 | 1142 | 815 | 583 | 316 | 98 | 6850 |
| 2000-01 | 20 | 26 | 217 | 486 | 790 | 1310 | 1403 | 1157 | 1095 | 627 | 276 | 68 | 7475 |
| 2001-02 | 43 | 1 | 167 | 484 | 719 | 1011 | 1116 | 1038 | 943 | 551 | 370 | 123 | 6566 |
| 2002-03 | 26 | 20 | 111 | 608 | 876 | 1238 | 1619 | 1296 | 1038 | 710 | 335 | 96 | 7973 |
| 2003-04 | 6 | 28 | 112 | 521 | 723 | 1143 | 1568 | 1153 | 900 | 552 | 240 | 115 | 7061 |
| 2004-05 | 6 | 28 | 133 | 491 | 773 | 1154 | 1432 | 1151 | 1121 | 538 | 424 | 65 | 7316 |
| 2005-06 | 6 | 7 | 98 | 433 | 804 | 1263 | 1119 | 1123 | 987 | 531 | 294 | 58 | 6723 |
| 2006-07 | 22 | 48 | 176 | 502 | 643 | 957 | 1218 | 1285 | 1019 | 667 | 251 | 78 | 6866 |
| 2007- | 20 | 46 | 143 | 334 | 866 | 1274 | | | | | | | |

WBAN : 14745

COOLING DEGREE DAYS (base 65°F) 2007 CONCORD (KCON)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1978 | 0 | 0 | 0 | 0 | 46 | 83 | 198 | 186 | 8 | 0 | 0 | 0 | 521 |
| 1979 | 0 | 0 | 0 | 1 | 15 | 69 | 232 | 150 | 46 | 6 | 0 | 0 | 519 |
| 1980 | 0 | 0 | 0 | 0 | 5 | 64 | 193 | 145 | 51 | 0 | 0 | 0 | 458 |
| 1981 | 0 | 0 | 0 | 0 | 38 | 80 | 172 | 101 | 11 | 0 | 0 | 0 | 402 |
| 1982 | 0 | 0 | 0 | 0 | 11 | 17 | 171 | 87 | 31 | 0 | 0 | 0 | 317 |
| 1983 | 0 | 0 | 0 | 0 | 2 | 93 | 179 | 172 | 93 | 5 | 0 | 0 | 544 |
| 1984 | 0 | 0 | 0 | 0 | 15 | 117 | 139 | 165 | 28 | 0 | 0 | 0 | 464 |
| 1985 | 0 | 0 | 0 | 0 | 16 | 27 | 184 | 93 | 36 | 1 | 0 | 0 | 357 |
| 1986 | 0 | 0 | 0 | 0 | 44 | 37 | 118 | 109 | 23 | 0 | 0 | 0 | 331 |
| 1987 | 0 | 0 | 0 | 1 | 45 | 64 | 198 | 96 | 21 | 0 | 0 | 0 | 425 |
| 1988 | 0 | 0 | 0 | 0 | 19 | 81 | 262 | 238 | 7 | 4 | 0 | 0 | 611 |
| 1989 | 0 | 0 | 0 | 0 | 17 | 87 | 153 | 141 | 50 | 0 | 0 | 0 | 448 |
| 1990 | 0 | 0 | 0 | 10 | 0 | 80 | 210 | 170 | 30 | 8 | 0 | 0 | 508 |
| 1991 | 0 | 0 | 0 | 2 | 44 | 84 | 157 | 166 | 29 | 4 | 0 | 0 | 486 |
| 1992 | 0 | 0 | 0 | 2 | 15 | 66 | 90 | 105 | 52 | 0 | 0 | 0 | 330 |
| 1993 | 0 | 0 | 0 | 0 | 7 | 90 | 212 | 176 | 49 | 0 | 0 | 0 | 534 |
| 1994 | 0 | 0 | 0 | 0 | 18 | 143 | 269 | 104 | 11 | 0 | 0 | 0 | 545 |
| 1995 | 0 | 0 | 0 | 0 | 9 | 84 | 264 | 159 | 22 | 0 | 0 | 0 | 538 |
| 1996 | 0 | 0 | 0 | 2 | 15 | 65 | 122 | 149 | 48 | 0 | 0 | 0 | 401 |
| 1997 | 0 | 0 | 0 | 0 | 2 | 113 | 149 | 119 | 28 | 3 | 0 | 0 | 414 |
| 1998 | 0 | 0 | 5 | 0 | 13 | 80 | 157 | 165 | 36 | 0 | 0 | 0 | 456 |
| 1999 | 0 | 0 | 0 | 0 | 9 | 157 | 228 | 112 | 76 | 0 | 0 | 0 | 582 |
| 2000 | 0 | 0 | 0 | 0 | 20 | 106 | 93 | 107 | 32 | 0 | 0 | 0 | 358 |
| 2001 | 0 | 0 | 0 | 5 | 18 | 123 | 101 | 226 | 32 | 0 | 0 | 0 | 505 |
| 2002 | 0 | 0 | 0 | 14 | 15 | 60 | 205 | 212 | 71 | 8 | 0 | 0 | 585 |
| 2003 | 0 | 0 | 0 | 0 | 0 | 97 | 217 | 220 | 15 | 0 | 0 | 0 | 549 |
| 2004 | 0 | 0 | 0 | 4 | 24 | 56 | 142 | 156 | 23 | 0 | 0 | 0 | 405 |
| 2005 | 0 | 0 | 0 | 2 | 0 | 172 | 189 | 200 | 49 | 7 | 0 | 0 | 619 |
| 2006 | 0 | 0 | 0 | 0 | 26 | 119 | 235 | 104 | 18 | 0 | 0 | 0 | 502 |
| 2007 | 0 | 0 | 0 | 0 | 35 | 90 | 167 | 163 | 50 | 5 | 0 | 0 | 510 |

SNOWFALL (inches) 2007 CONCORD (KCON)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|----------------|-----|-----|-----|-----|------|------|------|------|------|------|-----|-----|-------|
| 1978-79 | 0.0 | 0.0 | 0.0 | 0.0 | 10.5 | 16.2 | 42.3 | 4.5 | 0.2 | 5.1 | 0.0 | 0.0 | 78.8 |
| 1979-80 | 0.0 | 0.0 | 0.0 | 1.3 | T | 2.1 | 3.1 | 11.9 | 8.6 | T | 0.0 | 0.0 | 27.0 |
| 1980-81 | 0.0 | 0.0 | 0.0 | T | 9.4 | 9.8 | 9.2 | 20.9 | 5.4 | T | 0.0 | 0.0 | 54.7 |
| 1981-82 | 0.0 | 0.0 | 0.0 | 0.0 | T | 33.0 | 26.2 | 9.0 | 6.5 | 15.3 | 0.0 | 0.0 | 90.0 |
| 1982-83 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 3.6 | 9.0 | 20.8 | 4.0 | T | T | 0.0 | 38.7 |
| 1983-84 | 0.0 | 0.0 | 0.0 | 0.0 | T | 17.5 | 20.4 | 12.7 | 25.0 | T | T | 0.0 | 75.6 |
| 1984-85 | 0.0 | 0.0 | 0.0 | 0.0 | T | 16.5 | 11.6 | 11.0 | 12.4 | 1.0 | 0.0 | 0.0 | 52.5 |
| 1985-86 | 0.0 | 0.0 | 0.0 | 0.0 | 8.3 | 11.2 | 15.1 | 11.5 | 4.4 | T | T | 0.0 | 50.5 |
| 1986-87 | 0.0 | 0.0 | 0.0 | 0.0 | 14.4 | 7.7 | 45.4 | 0.6 | 7.0 | 9.4 | 0.0 | 0.0 | 84.5 |
| 1987-88 | 0.0 | 0.0 | 0.0 | 0.0 | 5.8 | 12.0 | 19.3 | 23.7 | 4.6 | 0.1 | 0.0 | 0.0 | 65.5 |
| 1988-89 | 0.0 | 0.0 | 0.0 | T | 0.5 | 5.0 | 5.6 | 7.0 | 10.2 | 0.8 | T | 0.0 | 29.1 |
| 1989-90 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 12.0 | 23.1 | 22.0 | 1.3 | T | 0.0 | 0.0 | 63.1 |
| 1990-91 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 8.8 | 11.2 | 6.8 | 6.0 | 0.2 | 0.0 | 0.0 | 33.6 |
| 1991-92 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 13.5 | 3.8 | 5.3 | 6.8 | 4.5 | 0.0 | 0.0 | 35.2 |
| 1992-93 | 0.0 | 0.0 | T | T | 1.1 | 10.9 | 19.7 | 24.0 | 35.8 | 6.6 | 0.0 | T | 98.1 |
| 1993-94 | 0.0 | 0.0 | 0.0 | T | 0.2 | 10.0 | 36.8 | 14.4 | 23.6 | T | 0.0 | 0.0 | 85.0 |
| 1994-95 | 0.0 | 0.0 | 0.0 | 0.0 | 4.3 | 3.2 | 8.1 | 18.2 | 0.7 | T | 0.0 | 0.0 | 34.5 |
| 1995-96 | 0.0 | 0.0 | 0.0 | 0.0 | 7.0 | 28.0 | 27.3 | 15.6 | | 14.3 | T | 0.0 | |
| 1996-97 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 | 20.0 | 14.3 | 14.1 | 22.7 | 3.4 | 0.0 | 0.0 | 76.7 |
| 1997-98 | 0.0 | 0.0 | 0.0 | 0.0 | 12.4 | 17.3 | 16.3 | 3.3 | 9.6 | 0.0 | 0.0 | 0.0 | 58.9 |
| 1998-99 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 5.5 | 18.0 | 1.9 | 12.5 | T | 0.0 | 0.0 | 38.5 |
| 1999-00 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | 16.6 | 15.1 | | | | | |
| 2000-01 | | | | | | | 13.5 | 20.9 | 37.5 | T | 0.0 | 0.0 | |
| 2001-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.0 | 14.4 | 0.8 | 12.6 | 1.0 | 0.0 | 0.0 | 34.8 |
| 2002-03 | 0.0 | 0.0 | 0.0 | 1.4 | 6.8 | 18.7 | 28.0 | 18.9 | 2.8 | 12.2 | 0.0 | 0.0 | 88.8 |
| 2003-04 | 0.0 | 0.0 | 0.0 | T | T | 33.9 | 6.2 | 7.0 | 8.2 | T | 0.0 | 0.0 | 55.3 |
| 2004-05 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 8.0 | 27.5 | 23.4 | 22.4 | T | 0.0 | 0.0 | 81.4 |
| 2005-06 | 0.0 | 0.0 | 0.0 | 0.0 | 4.0 | 20.8 | 14.9 | 9.7 | 0.3 | T | 0.0 | 0.0 | 49.7 |
| 2006-07 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.8 | 2.5 | 15.0 | 17.2 | 12.0 | 0.0 | 0.0 | 48.5 |
| 2007- | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 44.5 | | | | | | | |
| POR= 60 YRS | 0.0 | 0.0 | T | 0.1 | 3.7 | 13.1 | 17.6 | 14.4 | 11.3 | 3.0 | 0.1 | T | 63.3 |

WBAN : 14745

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> <p>NOTE: The "Period of Record:(POR) for all "averages" is based on the "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.</p> |
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2007 CONCORD NEW HAMPSHIRE (KCON)

Concord, the Capital of New Hampshire, is situated near the geographical center of New England at an altitude of approximately 300 feet above sea level on the Merrimack River. Its surroundings are hilly with many lakes and ponds. The countryside is generously wooded, mostly on land reclaimed from fields which were formerly cleared for farming. From the coast about 50 miles to the southeast, the terrain slopes gently upward to the city. West of the city, the land rises some 2,000 feet higher in only half that distance. Mount Washington, at an elevation of 6,288 feet is in the White Mountains 75 miles north of town.

Northwesterly winds are prevalent. They bring cold, dry air during the winter and pleasantly cool, dry air in the summer. Stronger southerly winds occur during July and August, and easterly winds usually accompany summer and winter storms. Winter breezes are somewhat lighter, and winds are frequently calm during the night and early morning hours. Low temperatures, as a rule, do not interrupt normal out-of-doors activity because winds are calm or light, producing a low wind chill factor.

Very hot summer weather is infrequent. During any month, temperatures considerably above the average maxima and much below the normal minima are observed.

The average amount of precipitation for the warmer half of the year differs little from that for the colder half. Precipitation occurrences average approximately one day of three for the year, with a somewhat higher frequency for the April-May period, offsetting the lower frequency of August-October. The more significant rains and heavier snowfalls are associated with easterly winds, especially northeasterly winds. The first snowfall of an inch or more is likely to come between the middle of November and the middle of December. The snow cover normally lasts from mid-December until the last week of March, but bare ground is not rare in the winter, nor is a snowscape rare earlier or later in the season. Rain, sleet, or freezing rain may also occur.

Agriculture is neither intensive nor large-scale in the vicinity of the station. Potatoes and other frost-resistant vegetables, hardy fruits such as apples, forage for the dairy industry, and maple sugar are the principal crops.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is September 22 and the average last occurrence in the spring is May 23. Freezing temperatures have occurred as late as June and as early as August.

Station Location

CONCORD

| LOCATION | Occupied From | Occupied To | Airline Distances and Directions from previous Location | Latitude | | Longitude | | ELEVATION ABOVE | | | | | | | | REMARKS |
|---|---------------|-------------|---|----------|---------|-------------------------|-----------------|----------------------|--------------|-----------------|---------------------------|---------------------|-------------------|------------------|---------------------------------|---|
| | | | | NORTH | WEST | GROUND TEMPERATURE SITE | GROUND | | | | | | | HYGROTHERMOMETER | AUTOMATIC OBSERVING EQUIPMENT * | |
| | | | | | | | WIND INSTRUMENT | EXTREME THERMOMETERS | PSYCHROMETER | SUNSHINE SWITCH | TIPPING BUCKET RAIN GAUGE | WEIGHING RAIN GAUGE | 8 INCH RAIN GAUGE | | | |
| *NOTE: | | | | | | | | | | | | | | | | |
| AIRPORT | | | | | | | | | | | | | | | | |
| NE Airlines, Inc., Old Hangar | 10/27/33 | 2/28/39 | NA | 43° 12' | 71° 31' | 339 | | | | | | | | | | On call station. No instruments. |
| 1st Floor, Admn. Bldg., Municipal Airport | 3/1/39 | 11/19/42 | Unknown | 43° 12' | 71° 31' | 339 | 37 | 5 | 5 | | | | | 3 | | Instrument Installations. CAA observations until 11/19/42. |
| 2nd Floor, Admn. Bldg., Municipal Airport | 5/1/41 | 8/8/62 | No Change | 43° 12' | 71° 31' | 339 | 47 a20 | 5 | 5 | Unk | 3 | 4 | 3 | | | Instrument Installations. WB observations began 11/20/42. a. Moved to field 8/6/62. |
| 1st Floor, Admn. Bldg., Municipal Airport | 8/8/62 | 03/01/96 | No Change | 43° 12' | 71° 30' | 339 d342 | 20 | 5 e | 5 f | Unk d14 | b3 | b4 | b3 | c4 | | b. Minor move 8/8/62. c. Commissioned 1600' E of thermometer site 3/15/65. d. Effective 3/15/65. e. Removed 3/16/66. f. Removed 1976. |
| Concord Municipal | 03/01/96 | Present | NA | 43° 12' | 71° 30' | g340 | | | | | | | | | s | ASOS Commissioned 03/01/96 g. Ground Elevation |

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* NOTES: For earlier station history see previous editions.