

2003

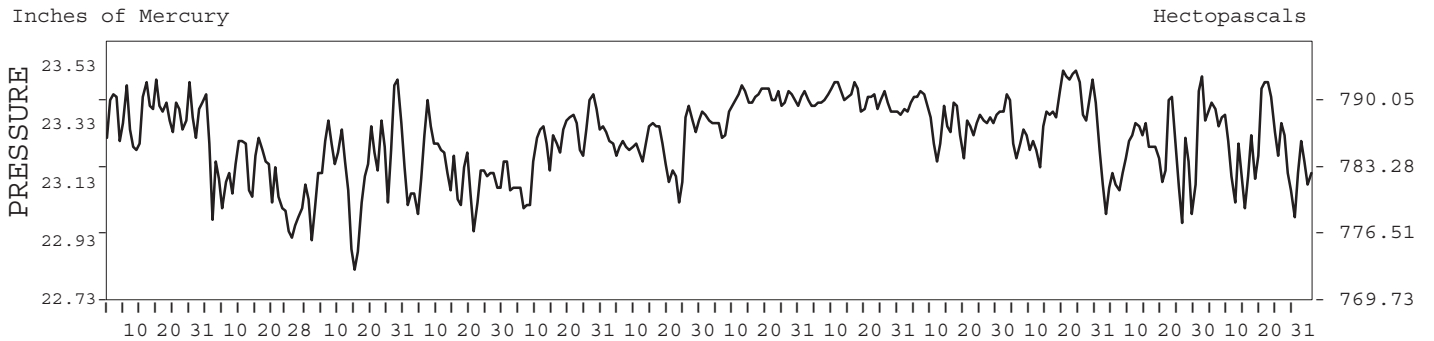
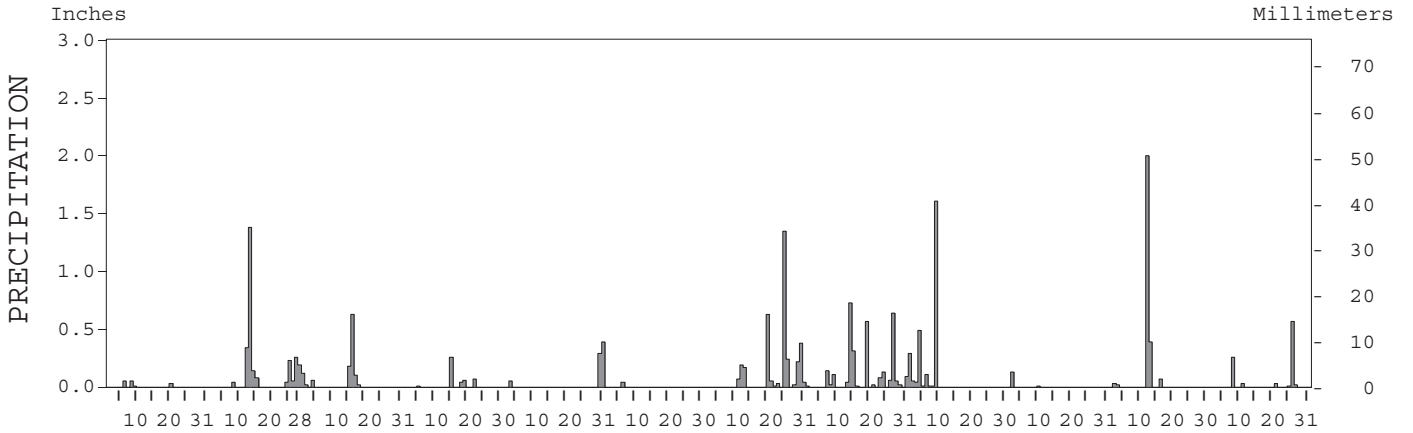
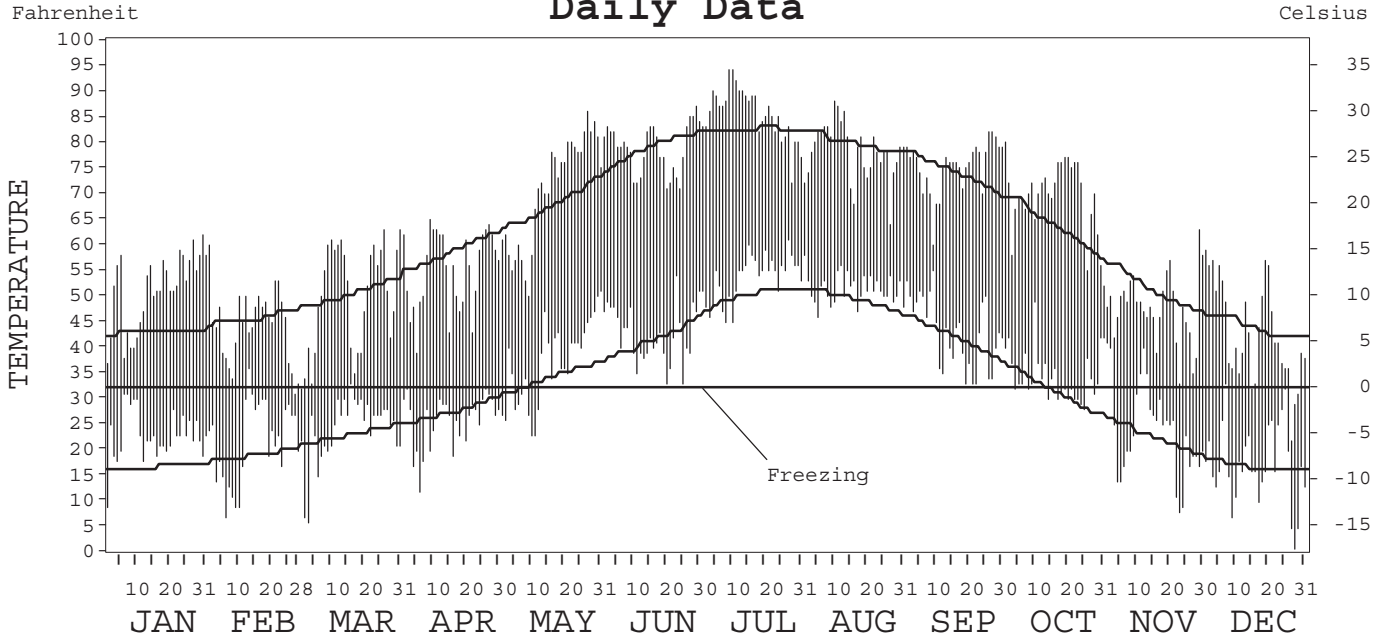
LOCAL CLIMATOLOGICAL DATA
ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0198-0564

FLAGSTAFF,
ARIZONA (FLG)

Daily Data



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Thomas R. Karl

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

METEOROLOGICAL DATA FOR 2003

FLAGSTAFF, AZ (FLG)

LATITUDE: 35° 08' 25" N LONGITUDE: 111° 40' 20" W ELEVATION (FT): GRND: 7000 BARO: 7003 TIME ZONE: MOUNTAIN (UTC + 7) WBAN: 03103

| | ELEMENT | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR | |
|----------------------|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-----------|-----|
| TEMPERATURE °F | MEAN DAILY MAXIMUM | 51.3 | 44.3 | 50.1 | 55.2 | 70.5 | 78.8 | 85.5 | 78.3 | 75.2 | 69.1 | 47.7 | 42.9 | 62.4 | |
| | HIGHEST DAILY MAXIMUM | 62 | 60 | 63 | 65 | 86 | 87 | 94 | 88 | 82 | 80 | 63 | 59 | 94 | |
| | DATE OF OCCURRENCE | 30 | 01 | 31+ | 09 | 27 | 29 | 10+ | 10 | 26+ | 01 | 29 | 01 | JUL 10+ | |
| | MEAN DAILY MINIMUM | 23.0 | 21.8 | 24.2 | 25.9 | 37.1 | 42.6 | 53.5 | 51.4 | 43.0 | 34.5 | 23.7 | 17.4 | 33.2 | |
| | LOWEST DAILY MINIMUM | 9 | 7 | 6 | 12 | 23 | 33 | 45 | 46 | 33 | 28 | 8 | 1 | 1 | |
| | DATE OF OCCURRENCE | 01 | 06 | 03 | 06 | 11+ | 25+ | 10+ | 05 | 19+ | 25 | 23 | 28 | DEC 28 | |
| | AVERAGE DRY BULB | 37.2 | 33.1 | 37.2 | 40.6 | 53.8 | 60.7 | 69.5 | 64.9 | 59.1 | 51.8 | 35.7 | 30.2 | 47.8 | |
| | MEAN WET BULB | 30.3 | 28.1 | 30.7 | 32.5 | 41.7 | 45.5 | 54.5 | 56.7 | 48.8 | 41.1 | 30.2 | 24.1 | 38.7 | |
| | MEAN DEW POINT | 21.5 | 19.5 | 20.3 | 19.0 | 25.2 | 27.3 | 41.6 | 51.5 | 39.4 | 28.4 | 20.9 | 13.4 | 27.3 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | MAXIMUM ≥ 90° | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| | MAXIMUM ≤ 32° | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 6 |
| | MINIMUM ≤ 32° | 31 | 27 | 30 | 30 | 9 | 0 | 0 | 0 | 0 | 13 | 25 | 30 | 0 | 195 |
| MINIMUM ≤ 0° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| H/C | HEATING DEGREE DAYS | 856 | 889 | 856 | 726 | 342 | 131 | 0 | 30 | 171 | 403 | 872 | 1074 | 6350 | |
| | COOLING DEGREE DAYS | 0 | 0 | 0 | 0 | 3 | 8 | 146 | 32 | 1 | 0 | 0 | 0 | 190 | |
| RH | MEAN (PERCENT) | 61 | 63 | 57 | 46 | 35 | 30 | 42 | 68 | 56 | 47 | 60 | 56 | 52 | |
| | HOUR 05 LST | 77 | 76 | 76 | 66 | 55 | 51 | 59 | 89 | 78 | 67 | 75 | 71 | 70 | |
| | HOUR 11 LST | 42 | 54 | 40 | 36 | 23 | 18 | 28 | 48 | 37 | 31 | 47 | 41 | 37 | |
| | HOUR 17 LST | 41 | 48 | 40 | 29 | 22 | 19 | 31 | 53 | 37 | 30 | 45 | 42 | 36 | |
| | HOUR 23 LST | 72 | 70 | 68 | 53 | 42 | 36 | 48 | 81 | 69 | 57 | 69 | 65 | 61 | |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| W/O | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG (VISBY ≤ 1/4 MI) | 5 | 9 | 4 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 27 | |
| | THUNDERSTORMS | 0 | 0 | 0 | 0 | 2 | 1 | 6 | 8 | 6 | 0 | 0 | 0 | 23 | |
| 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.) | 23.37 | 23.13 | 23.17 | 23.16 | 23.25 | 23.26 | 23.40 | 23.41 | 23.35 | 23.33 | 23.24 | 23.25 | 23.28 | |
| | MEAN SEA-LEVEL PRESS. (IN.) | 30.22 | 29.94 | 29.96 | 29.90 | 29.90 | 29.86 | 29.98 | 30.05 | 30.01 | 30.04 | 30.07 | 30.13 | 30.01 | |
| WINDS | RESULTANT SPEED (MPH) | 1.8 | 4.5 | 3.1 | 8.5 | 6.7 | 5.9 | 2.6 | 2.0 | 2.9 | 1.5 | 4.0 | | | |
| | RES. DIR. (TENS OF DEGS.) | 08 | 23 | 24 | 22 | 22 | 23 | 23 | 23 | 23 | 19 | 22 | | | |
| | MEAN SPEED (MPH) | 4.9 | 7.2 | 7.4 | 10.9 | 8.1 | 8.1 | 5.8 | 4.2 | 5.2 | 6.1 | 7.7 | 6.6 | 6.8 | |
| | PREVAIL. DIR. (TENS OF DEGS.) | 06 | 22 | 23 | 22 | 22 | 23 | 22 | 22 | 23 | 22 | 22 | 22 | 22 | |
| | MAXIMUM 2-MINUTE WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 25 | 33 | 31 | 39 | 35 | 36 | 30 | 28 | 31 | 39 | 32 | 37 | 39 | |
| | DIR. (TENS OF DEGS.) | 05 | 22 | 23 | 22 | 22 | 22 | 02 | 05 | 23 | 22 | 22 | 22 | 22 | |
| | DATE OF OCCURRENCE | 06 | 02 | 26 | 02 | 08+ | 23 | 12 | 15 | 17 | 30 | 22 | 26 | OCT 30 | |
| | MAXIMUM 5-SECOND WIND: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 35 | 44 | 38 | 47 | 44 | 46 | 44 | 32 | 38 | 48 | 41 | 47 | 48 | |
| DIR. (TENS OF DEGS.) | 05 | 23 | 21 | 21 | 22 | 23 | 01 | 05 | 23 | 24 | 21 | 22 | 24 | | |
| DATE OF OCCURRENCE | 06 | 02 | 26 | 02 | 08+ | 23 | 12 | 15 | 17 | 30 | 22 | 26 | OCT 30 | | |
| PRECIPITATION | WATER EQUIVALENT: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 0.14 | 2.75 | 1.13 | 0.44 | 0.73 | 0.04 | 3.40 | 3.03 | 2.62 | 0.14 | 2.51 | 0.92 | 17.85 | |
| | GREATEST 24-HOUR (IN.) | 0.06 | 1.61 | 0.80 | 0.26 | 0.68 | 0.04 | 1.35 | 0.99 | 1.62 | 0.13 | 2.39 | 0.58 | 2.39 | |
| | DATE OF OCCURRENCE | 08-09 | 12-13 | 15-16 | 15 | 30-31 | 06 | 25 | 14-15 | 08-09 | 02 | 12-13 | 25-26 | NOV 12-13 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | PRECIPITATION ≥ 0.01 | 4 | 10 | 7 | 5 | 3 | 1 | 13 | 17 | 9 | 2 | 5 | 6 | 82 | |
| PRECIPITATION ≥ 0.10 | 0 | 6 | 4 | 1 | 2 | 0 | 7 | 7 | 4 | 1 | 2 | 2 | 36 | | |
| PRECIPITATION ≥ 1.00 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 4 | | |
| SNOWFALL | SNOW, ICE PELLETS, HAIL: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | | | | | | | | | | | | | | |
| | GREATEST 24-HOUR (IN.) | | | | | | | | | | | | | | |
| | DATE OF OCCURRENCE | | | | | | | | | | | | | | |
| | MAXIMUM SNOW DEPTH (IN.) | | | | | | | | | | | | | | |
| | DATE OF OCCURRENCE | | | | | | | | | | | | | | |
| NUMBER OF DAYS WITH: | | | | | | | | | | | | | | | |
| SNOWFALL ≥ 1.0 | | | | | | | | | | | | | | | |

NORMALS, MEANS, AND EXTREMES

FLAGSTAFF, AZ (FLG)

LATITUDE: 35° 08' 25" N LONGITUDE: 111° 40' 20" W ELEVATION (FT): GRND: 7000 BARO: 7003 TIME ZONE: MOUNTAIN (UTC + 7) WBAN: 03103

| ELEMENT | | POR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR |
|-----------------------|-----------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------|
| TEMPERATURE °F | NORMAL DAILY MAXIMUM | 30 | 42.9 | 45.6 | 50.3 | 58.4 | 67.6 | 78.7 | 82.2 | 79.7 | 73.8 | 63.1 | 50.8 | 43.7 | 61.4 |
| | MEAN DAILY MAXIMUM | 53 | 42.6 | 45.1 | 49.7 | 57.9 | 67.6 | 78.0 | 81.9 | 79.1 | 74.0 | 63.5 | 50.8 | 43.5 | 61.1 |
| | HIGHEST DAILY MAXIMUM | 54 | 66 | 71 | 73 | 80 | 89 | 96 | 97 | 92 | 90 | 85 | 74 | 68 | 97 |
| | YEAR OF OCCURRENCE | | 1971 | 1986 | 1988 | 1992 | 2002 | 1970 | 1973 | 1978 | 1950 | 1980 | 1977 | 1950 | JUL 1973 |
| | MEAN OF EXTREME MAXS. | 54 | 57.5 | 59.6 | 64.0 | 71.6 | 78.7 | 88.6 | 90.2 | 87.6 | 83.3 | 76.1 | 65.2 | 58.3 | 73.4 |
| | NORMAL DAILY MINIMUM | 30 | 16.5 | 18.8 | 22.8 | 27.3 | 34.0 | 41.4 | 49.9 | 49.1 | 41.7 | 31.1 | 22.1 | 16.6 | 30.9 |
| | MEAN DAILY MINIMUM | 53 | 15.9 | 18.0 | 21.7 | 27.1 | 33.3 | 41.1 | 50.4 | 49.1 | 41.3 | 30.9 | 21.5 | 16.3 | 30.5 |
| | LOWEST DAILY MINIMUM | 54 | -22 | -23 | -16 | -2 | 0 | 22 | 32 | 24 | 23 | -2 | -13 | -23 | -23 |
| | YEAR OF OCCURRENCE | | 1971 | 1985 | 1966 | 1975 | 1996 | 1955 | 1955 | 1971 | 1971 | 1971 | 1958 | 1990 | DEC 1990 |
| | MEAN OF EXTREME MINS. | 54 | -4.7 | -7 | 4.6 | 14.0 | 21.3 | 29.3 | 41.0 | 40.4 | 29.6 | 18.7 | 5.5 | -2.8 | 16.4 |
| | NORMAL DRY BULB | 30 | 29.7 | 32.2 | 36.6 | 42.9 | 50.8 | 60.1 | 66.1 | 64.4 | 57.8 | 47.1 | 36.5 | 30.2 | 46.2 |
| | MEAN DRY BULB | 54 | 29.3 | 31.6 | 35.8 | 42.7 | 50.6 | 59.7 | 66.2 | 64.0 | 57.5 | 47.4 | 36.5 | 30.0 | 45.9 |
| | MEAN WET BULB | 49 | 24.3 | 26.7 | 29.4 | 33.9 | 39.5 | 45.1 | 53.6 | 53.5 | 47.5 | 38.2 | 30.0 | 24.6 | 37.2 |
| | MEAN DEW POINT | 49 | 15.8 | 17.4 | 18.9 | 20.9 | 24.4 | 28.5 | 44.0 | 46.2 | 38.7 | 27.4 | 20.3 | 15.4 | 26.5 |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| MAXIMUM ≥ 90° | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 2.1 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 4.4 | |
| MAXIMUM ≤ 32° | 30 | 4.0 | 2.5 | 1.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 1.1 | 4.1 | 13.2 | |
| MINIMUM ≤ 32° | 30 | 30.5 | 27.7 | 29.5 | 24.6 | 13.0 | 2.7 | 0.0 | 0.0 | 2.3 | 18.2 | 28.0 | 30.0 | 206.5 | |
| MINIMUM ≤ 0° | 30 | 2.2 | 1.0 | 0.3 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | * | 0.3 | 1.8 | 5.6 | |
| H/C | NORMAL HEATING DEG. DAYS | 30 | 1099 | 930 | 880 | 668 | 446 | 174 | 33 | 56 | 224 | 554 | 850 | 1085 | 6999 |
| | NORMAL COOLING DEG. DAYS | 30 | 0 | 0 | 0 | 0 | 0 | 23 | 64 | 36 | 3 | 0 | 0 | 0 | 126 |
| RH | NORMAL (PERCENT) | 30 | 64 | 64 | 60 | 48 | 44 | 35 | 49 | 60 | 56 | 54 | 58 | 63 | 55 |
| | HOUR 05 LST | 30 | 75 | 76 | 74 | 67 | 64 | 54 | 68 | 77 | 75 | 71 | 70 | 72 | 70 |
| | HOUR 11 LST | 30 | 53 | 50 | 45 | 35 | 30 | 23 | 34 | 40 | 39 | 38 | 44 | 49 | 40 |
| | HOUR 17 LST | 30 | 51 | 47 | 44 | 33 | 30 | 22 | 36 | 44 | 37 | 36 | 43 | 49 | 39 |
| | HOUR 23 LST | 30 | 71 | 70 | 66 | 56 | 50 | 40 | 57 | 69 | 67 | 64 | 65 | 68 | 62 |
| S | PERCENT POSSIBLE SUNSHINE | 15 | 77 | 73 | 76 | 82 | 88 | 86 | 75 | 76 | 81 | 79 | 75 | 73 | 78 |
| W/O | MEAN NO. DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG (VISBY ≤ 1/4 MI) | 39 | 2.6 | 2.3 | 2.1 | 1.7 | 0.3 | 0.0 | 0.3 | 0.3 | 0.5 | 1.2 | 1.3 | 2.2 | 14.8 |
| | THUNDERSTORMS | 39 | 0.0 | 0.4 | 0.7 | 1.4 | 2.2 | 3.1 | 14.6 | 14.8 | 6.6 | 1.9 | 0.6 | 0.2 | 46.5 |
| CLOUDINESS | MEAN: | | | | | | | | | | | | | | |
| | SUNRISE-SUNSET (OKTAS) | 2 | | 5.6 | 4.4 | 4.8 | 1.6 | 2.4 | 3.2 | 4.8 | | | | 4.4 | |
| | MIDNIGHT-MIDNIGHT (OKTAS) | 1 | | 5.6 | 5.6 | | 0.8 | 2.4 | 3.2 | 4.8 | 0.0 | 3.2 | 4.0 | | |
| | MEAN NO. DAYS WITH: | | | | | | | | | | | | | | |
| CLEAR | 1 | | 10.0 | 6.0 | 9.0 | 1.0 | | 3.0 | 2.0 | 6.0 | 14.0 | | 6.0 | | |
| PARTLY CLOUDY | 1 | | 5.0 | 8.0 | 5.0 | | | 2.0 | 3.0 | 7.0 | 3.0 | | 5.0 | | |
| CLOUDY | 1 | 4.0 | 8.0 | 8.0 | 5.0 | | | | 6.0 | 3.0 | | | 7.0 | | |
| PR | MEAN STATION PRESSURE (IN) | 12 | 23.24 | 23.22 | 23.16 | 23.18 | 23.23 | 23.29 | 23.38 | 23.38 | 23.33 | 23.30 | 23.26 | 23.26 | 23.27 |
| | MEAN SEA-LEVEL PRES. (IN) | 49 | 30.13 | 30.08 | 29.98 | 29.94 | 29.92 | 29.91 | 30.00 | 30.01 | 30.00 | 30.06 | 30.10 | 30.12 | 30.02 |
| WINDS | MEAN SPEED (MPH) | 24 | 5.9 | 6.2 | 6.4 | 7.3 | 7.1 | 6.7 | 5.2 | 4.4 | 4.8 | 5.2 | 6.0 | 5.8 | 5.9 |
| | PREVAIL. DIR (TENS OF DEGS) | 8 | 21 | 21 | 22 | 21 | 21 | 21 | 22 | 21 | 21 | 21 | 21 | 21 | 21 |
| | MAXIMUM 2-MINUTE: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 9 | 36 | 33 | 38 | 39 | 36 | 36 | 35 | 30 | 31 | 39 | 37 | 37 | 39 |
| | DIR. (TENS OF DEGS) | | 22 | 22 | 19 | 22 | 20 | 22 | 26 | 09 | 23 | 22 | 06 | 22 | 22 |
| | YEAR OF OCCURRENCE | | 1996 | 2003 | 1995 | 2003 | 2001 | 2003 | 2002 | 1998 | 2003 | 2003 | 2000 | 2003 | OCT 2003 |
| | MAXIMUM 5-SECOND: | | | | | | | | | | | | | | |
| SPEED (MPH) | 9 | 45 | 45 | 49 | 48 | 45 | 46 | 47 | 37 | 51 | 53 | 52 | 47 | 53 | |
| DIR. (TENS OF DEGS) | | 24 | 18 | 19 | 21 | 21 | 23 | 27 | 33 | 23 | 04 | 26 | 22 | 04 | |
| YEAR OF OCCURRENCE | | 1996 | 1998 | 1995 | 2001 | 2002 | 2003 | 2002 | 1998 | 2002 | 1999 | 2001 | 2003 | OCT 1999 | |
| PRECIPITATION | NORMAL (IN) | 30 | 2.18 | 2.56 | 2.62 | 1.29 | 0.80 | 0.43 | 2.40 | 2.89 | 2.12 | 1.93 | 1.86 | 1.83 | 22.91 |
| | MAXIMUM MONTHLY (IN) | 54 | 9.55 | 10.05 | 6.75 | 5.62 | 4.14 | 2.92 | 6.62 | 8.06 | 6.75 | 9.86 | 6.64 | 7.30 | 10.05 |
| | YEAR OF OCCURRENCE | | 1993 | 1993 | 1970 | 1965 | 1992 | 1955 | 1986 | 1986 | 1983 | 1972 | 1985 | 1967 | FEB 1993 |
| | MINIMUM MONTHLY (IN) | 54 | 0.00 | T | T | T | 0.00 | 0.00 | T | 0.26 | 0.00 | T | 0.00 | T | 0.00 |
| | YEAR OF OCCURRENCE | | 1972 | 1967 | 1972 | 1991 | 2002 | 1971 | 1993 | 1962 | 1995 | 1952 | 1999 | 1958 | MAY 2002 |
| | MAXIMUM IN 24 HOURS (IN) | 54 | 2.71 | 4.48 | 2.96 | 1.79 | 1.11 | 2.79 | 2.55 | 3.04 | 3.43 | 2.73 | 3.69 | 3.11 | 4.48 |
| | YEAR OF OCCURRENCE | | 1993 | 1993 | 1970 | 1985 | 1965 | 1956 | 1964 | 1986 | 1965 | 1972 | 1978 | 1951 | FEB 1993 |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| PRECIPITATION ≥ 0.01 | 30 | 8.0 | 8.1 | 9.4 | 5.8 | 5.4 | 2.7 | 11.3 | 12.8 | 7.7 | 5.7 | 5.1 | 6.6 | 88.6 | |
| PRECIPITATION ≥ 1.00 | 30 | 0.3 | 0.5 | 0.3 | 0.1 | 0.0 | 0.0 | 0.4 | 0.5 | 0.5 | 0.4 | 0.4 | 0.3 | 3.7 | |
| SNOWFALL | NORMAL (IN) | 30 | 23.0 | 21.3 | 24.4 | 9.7 | 1.3 | 0.* | 0.0 | 0.0 | 0.* | 2.8 | 13.3 | 14.0 | 109.8 |
| | MAXIMUM MONTHLY (IN) | 46 | 63.4 | 45.5 | 79.4 | 58.3 | 8.2 | T | T | 0.3 | 2.0 | 24.7 | 40.7 | 86.0 | 86.0 |
| | YEAR OF OCCURRENCE | | 1980 | 1990 | 1991 | 1965 | 1975 | 1993 | 1992 | 1992 | 1965 | 1971 | 1985 | 1967 | DEC 1967 |
| | MAXIMUM IN 24 HOURS (IN) | 46 | 23.1 | 23.1 | 26.3 | 17.2 | 6.6 | T | T | 0.3 | 2.0 | 13.5 | 19.6 | 27.3 | 27.3 |
| | YEAR OF OCCURRENCE | | 1980 | 1987 | 1970 | 1977 | 1965 | 1993 | 1992 | 1992 | 1965 | 1974 | 1991 | 1967 | DEC 1967 |
| | MAXIMUM SNOW DEPTH (IN) | 45 | 34 | 40 | 37 | 31 | 8 | 0 | 0 | 0 | T | 11 | 23 | 66 | 66 |
| | YEAR OF OCCURRENCE | | 1979 | 1979 | 1969 | 1973 | 1954 | | | | 1965 | 1974 | 1975 | 1967 | DEC 1967 |
| NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | | |
| SNOWFALL ≥ 1.0 | 30 | 4.8 | 4.7 | 5.7 | 2.3 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 2.7 | 4.0 | 25.3 | |

PRECIPITATION (inches) 2003 FLAGSTAFF, AZ (FLG)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------------|------|-------|------|------|------|------|------|------|------|------|------|------|--------|
| 1974 | 3.63 | 0.26 | 1.01 | 0.57 | T | T | 3.00 | 2.16 | 0.93 | 3.64 | 1.03 | 1.18 | 17.41 |
| 1975 | 1.76 | 1.90 | 2.92 | 2.20 | 1.16 | 0.05 | 2.24 | 0.74 | 1.89 | 0.33 | 2.96 | 1.95 | 20.10 |
| 1976 | 0.17 | 5.96 | 2.06 | 3.09 | 1.65 | T | 3.82 | 0.58 | 1.16 | 0.73 | 0.10 | 0.80 | 20.12 |
| 1977 | 1.85 | 0.84 | 0.92 | 1.47 | 0.96 | 0.91 | 3.60 | 3.72 | 1.52 | 1.04 | 0.76 | 1.18 | 18.77 |
| 1978 | 4.09 | 4.67 | 5.58 | 1.60 | 0.27 | 0.09 | 1.17 | 0.68 | 0.46 | 0.56 | 6.16 | 5.39 | 30.72 |
| 1979 | 5.54 | 1.73 | 2.52 | 0.31 | 2.16 | 0.18 | 0.79 | 2.38 | 0.13 | 1.30 | 1.14 | 1.50 | 19.68 |
| 1980 | 6.52 | 7.81 | 4.16 | 1.21 | 1.79 | 0.25 | 2.49 | 2.19 | 0.65 | 1.08 | T | 1.15 | 29.30 |
| 1981 | 1.31 | 1.16 | 4.04 | 1.50 | 0.72 | 1.09 | 2.87 | 3.73 | 2.54 | 1.81 | 2.43 | 0.17 | 23.37 |
| 1982 | 4.62 | 2.55 | 5.69 | 0.25 | 0.86 | T | 1.89 | 2.32 | 3.17 | 0.71 | 5.36 | 3.67 | 31.09 |
| 1983 | 1.61 | 3.04 | 4.36 | 2.18 | 0.06 | 0.28 | 2.86 | 3.53 | 6.75 | 0.75 | 1.53 | 2.52 | 29.47 |
| 1984 | 0.36 | 0.13 | 0.89 | 0.73 | 0.21 | 0.13 | 4.20 | 3.86 | 1.75 | 1.43 | 1.40 | 5.00 | 20.09 |
| 1985 | 2.38 | 1.67 | 2.54 | 3.39 | 0.26 | 0.09 | 2.36 | 1.07 | 3.68 | 2.44 | 6.64 | 0.15 | 26.67 |
| 1986 | 0.31 | 1.76 | 2.60 | 1.23 | 0.72 | 1.16 | 6.62 | 8.06 | 4.80 | 2.02 | 1.68 | 1.43 | 32.39 |
| 1987 | 2.51 | 2.54 | 1.69 | 0.21 | 0.70 | 0.25 | 1.93 | 3.74 | 1.49 | 4.64 | 2.91 | 1.37 | 23.98 |
| 1988 | 1.64 | 2.30 | 0.14 | 3.83 | 0.14 | 1.86 | 3.48 | 4.77 | 0.15 | 1.23 | 1.14 | 1.00 | 21.68 |
| 1989 | 1.84 | 1.35 | 2.08 | 0.01 | 0.62 | 0.23 | 2.28 | 3.40 | 0.30 | 1.28 | T | 1.05 | 14.44 |
| 1990 | 1.54 | 3.20 | 2.17 | 2.32 | 0.73 | 0.24 | 4.32 | 1.71 | 6.18 | 0.49 | 1.09 | 1.68 | 25.67 |
| 1991 | 1.76 | 2.08 | 6.00 | T | 0.14 | 0.59 | 1.04 | 1.64 | 0.26 | 1.12 | 4.47 | 2.73 | 21.83 |
| 1992 | 2.03 | 3.69 | 4.40 | 0.78 | 4.14 | 0.32 | 2.67 | 5.80 | T | 3.64 | 0.46 | 6.78 | 34.71 |
| 1993 | 9.55 | 10.05 | 1.54 | 0.26 | 0.44 | 0.55 | T | 4.19 | 1.95 | 3.29 | 3.02 | 0.76 | 35.60 |
| 1994 | 0.38 | 2.47 | 3.03 | 2.48 | 1.01 | | 1.70 | 3.61 | 2.75 | 1.12 | 1.91 | 1.43 | |
| 1995 | 2.39 | 3.77 | 3.99 | 1.49 | 0.44 | 0.06 | 0.61 | 2.30 | 0.00 | 0.01 | 0.31 | 0.35 | 15.72 |
| 1996 | 0.19 | 1.36 | 0.54 | 0.07 | T | T | 1.79 | 0.92 | 3.73 | 0.93 | | 0.64 | |
| 1997 | 3.21 | 0.99 | 0.03 | 0.60 | 0.08 | 0.18 | 0.21 | 2.83 | 3.68 | 1.15 | 0.80 | 1.85 | 15.61 |
| 1998 | 1.30 | 2.15 | 3.74 | 1.52 | 1.31 | 0.00 | 4.72 | 2.82 | 4.45 | 3.11 | 1.76 | 0.42 | 27.30 |
| 1999 | 0.28 | 0.48 | 0.53 | 2.80 | 0.42 | 0.95 | 3.27 | 2.45 | 4.54 | T | 0.00 | T | 15.72 |
| 2000 | 0.62 | 1.61 | 3.12 | 0.19 | 0.12 | 1.11 | 0.29 | 2.83 | 0.36 | 3.85 | 1.07 | 0.21 | 15.38 |
| 2001 | 2.60 | 1.68 | 1.28 | 1.40 | 0.82 | 0.03 | 2.80 | 3.46 | 0.68 | 1.21 | 0.43 | 1.16 | 17.55 |
| 2002 | 0.02 | 0.07 | 0.62 | 0.51 | 0.00 | 0.00 | 2.60 | 1.00 | 4.01 | 1.88 | 1.48 | 0.69 | 12.88 |
| 2003 | 0.14 | 2.75 | 1.13 | 0.44 | 0.73 | 0.04 | 3.40 | 3.03 | 2.62 | 0.14 | 2.51 | 0.92 | 17.85 |
| POR= 104 YRS | 1.98 | 2.05 | 2.11 | 1.32 | 0.72 | 0.50 | 2.69 | 2.88 | 1.90 | 1.56 | 1.49 | 1.86 | 21.06 |

WBAN : 03103

AVERAGE TEMPERATURE (°F) 2003 FLAGSTAFF, AZ (FLG)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1974 | 27.8 | 30.5 | 40.4 | 43.2 | 54.8 | 66.5 | 66.3 | 64.7 | 58.7 | 47.9 | 36.8 | 26.8 | 47.0 |
| 1975 | 27.7 | 27.6 | 33.2 | 36.2 | 47.5 | 57.1 | 65.9 | 63.5 | 57.9 | 46.5 | 37.3 | 29.2 | 44.1 |
| 1976 | 30.6 | 35.1 | 35.4 | 41.4 | 52.8 | 58.9 | 66.5 | 62.8 | 57.1 | 47.0 | 39.5 | 31.6 | 46.6 |
| 1977 | 26.8 | 34.2 | 33.5 | 44.7 | 47.4 | 62.2 | 67.2 | 66.2 | 60.2 | 50.8 | 41.0 | 37.6 | 47.7 |
| 1978 | 31.5 | 30.7 | 40.3 | 42.2 | 49.4 | 61.4 | 66.6 | 63.7 | 57.3 | 49.8 | 34.6 | 24.3 | 46.0 |
| 1979 | 22.6 | 25.9 | 32.3 | 40.7 | 47.9 | 57.8 | 64.1 | 60.5 | 58.8 | 47.8 | 31.2 | 31.2 | 43.4 |
| 1980 | 30.7 | 32.8 | 32.3 | 41.9 | 45.6 | 60.9 | 69.0 | 66.3 | 59.7 | 49.0 | 41.4 | 39.9 | 47.5 |
| 1981 | 36.2 | 36.3 | 36.6 | 48.5 | 52.1 | 66.1 | 68.2 | 65.4 | 58.7 | 46.7 | 41.8 | 36.4 | 49.4 |
| 1982 | 28.3 | 30.5 | 35.3 | 43.5 | 49.9 | 57.1 | 63.8 | 65.6 | 57.6 | 44.0 | 35.2 | 28.1 | 44.9 |
| 1983 | 31.0 | 32.3 | 36.2 | 37.0 | 49.9 | 57.3 | 65.5 | 63.8 | 60.7 | 48.6 | 36.9 | 34.0 | 46.1 |
| 1984 | 31.7 | 32.8 | 38.3 | 40.7 | 56.8 | 58.5 | 65.7 | 63.8 | 59.3 | 42.4 | 35.3 | 29.0 | 46.2 |
| 1985 | 27.5 | 28.9 | 35.5 | 46.2 | 51.5 | 62.6 | 67.2 | 65.3 | 53.1 | 47.7 | 33.8 | 32.4 | 46.0 |
| 1986 | 37.0 | 34.2 | 39.7 | 44.1 | 52.0 | 61.2 | 64.0 | 65.7 | 53.0 | 43.5 | 37.6 | 30.2 | 46.9 |
| 1987 | 27.6 | 31.1 | 32.8 | 45.9 | 50.7 | 61.3 | 62.8 | 62.8 | 56.5 | 50.4 | 36.2 | 27.1 | 45.4 |
| 1988 | 29.1 | 34.2 | 37.4 | 44.0 | 50.8 | 61.5 | 67.4 | 64.3 | 55.9 | 52.5 | 36.9 | 27.9 | 46.8 |
| 1989 | 26.2 | 32.3 | 41.8 | 50.4 | 54.2 | 60.8 | 68.1 | 63.6 | 58.7 | 47.5 | 38.4 | 31.6 | 47.8 |
| 1990 | 28.6 | 29.3 | 38.3 | 46.1 | 50.3 | 64.4 | 66.9 | 62.6 | 59.8 | 48.9 | 37.6 | 25.1 | 46.5 |
| 1991 | 30.5 | 37.2 | 32.2 | 43.1 | 49.4 | 57.3 | 67.1 | 66.5 | 59.6 | 50.8 | 36.9 | 30.2 | 46.7 |
| 1992 | 27.3 | 35.2 | 38.1 | 49.1 | 53.3 | 59.0 | 65.1 | 64.2 | 59.3 | 50.4 | 33.8 | 26.3 | 46.8 |
| 1993 | 32.2 | 32.5 | 40.2 | 46.4 | 53.9 | 60.4 | 65.5 | 64.8 | 57.9 | 47.4 | 35.0 | 30.1 | 47.2 |
| 1994 | 32.8 | 29.8 | 40.6 | 44.3 | 51.7 | | 65.4 | 66.4 | 58.1 | 44.2 | 32.2 | 32.1 | |
| 1995 | 28.4 | 37.2 | 38.2 | 40.4 | | 55.1 | 64.6 | 66.9 | | 47.7 | 42.3 | 31.9 | |
| 1996 | 31.4 | 36.9 | 37.8 | 44.9 | | 61.9 | | | | | | | |
| 1997 | 28.0 | 29.6 | 39.1 | 40.5 | 54.1 | 57.1 | 63.8 | 63.8 | 59.4 | 45.0 | 37.7 | 26.6 | 45.4 |
| 1998 | 31.4 | 27.2 | 33.7 | 37.2 | 46.8 | 55.0 | 66.2 | 64.9 | 57.3 | 44.6 | 37.1 | 31.1 | 44.4 |
| 1999 | 33.9 | 35.1 | 39.0 | 37.5 | 49.4 | 58.0 | 64.2 | 62.1 | 56.1 | 47.7 | 40.5 | 29.3 | 46.1 |
| 2000 | 32.9 | 35.6 | 35.4 | 46.6 | 55.4 | 62.2 | 66.5 | 65.0 | 60.1 | 46.2 | 30.8 | 34.7 | 47.6 |
| 2001 | 27.2 | 29.7 | 39.0 | 43.5 | 55.3 | 62.2 | 65.6 | 64.3 | 59.9 | 50.2 | 38.8 | 27.0 | 46.9 |
| 2002 | 31.1 | 34.0 | 35.9 | 47.5 | 52.1 | 63.0 | 70.0 | 66.0 | 58.1 | 45.5 | 38.3 | 28.3 | 47.5 |
| 2003 | 37.2 | 33.1 | 37.2 | 40.6 | 53.8 | 60.7 | 69.5 | 64.9 | 59.1 | 51.8 | 35.7 | 30.2 | 47.8 |
| POR= 104 YRS | 28.5 | 31.2 | 35.8 | 42.9 | 50.6 | 59.4 | 65.8 | 63.9 | 57.4 | 47.2 | 36.3 | 29.8 | 45.7 |

HEATING DEGREE DAYS (base 65°F) 2003 FLAGSTAFF, AZ (FLG)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|------|------|------|------|------|-----|-----|-----|-------|
| 1974-75 | 19 | 34 | 195 | 522 | 841 | 1178 | 1150 | 1041 | 978 | 856 | 536 | 231 | 7581 |
| 1975-76 | 23 | 66 | 207 | 566 | 821 | 1101 | 1059 | 862 | 912 | 702 | 370 | 190 | 6879 |
| 1976-77 | 17 | 71 | 230 | 553 | 757 | 1027 | 1177 | 858 | 970 | 603 | 540 | 102 | 6905 |
| 1977-78 | 9 | 19 | 157 | 432 | 715 | 843 | 1032 | 954 | 756 | 677 | 478 | 128 | 6200 |
| 1978-79 | 33 | 73 | 227 | 465 | 907 | 1254 | 1307 | 1089 | 1005 | 722 | 524 | 219 | 7825 |
| 1979-80 | 68 | 157 | 186 | 526 | 1008 | 1042 | 1056 | 930 | 1009 | 684 | 596 | 158 | 7420 |
| 1980-81 | 6 | 43 | 153 | 491 | 703 | 774 | 886 | 794 | 873 | 486 | 398 | 50 | 5657 |
| 1981-82 | 1 | 39 | 182 | 558 | 689 | 880 | 1130 | 963 | 911 | 640 | 458 | 230 | 6681 |
| 1982-83 | 65 | 22 | 218 | 643 | 888 | 1136 | 1046 | 911 | 888 | 835 | 461 | 222 | 7335 |
| 1983-84 | 26 | 64 | 134 | 502 | 837 | 952 | 1025 | 929 | 820 | 722 | 247 | 204 | 6462 |
| 1984-85 | 21 | 51 | 165 | 695 | 884 | 1109 | 1155 | 1005 | 911 | 557 | 411 | 102 | 7066 |
| 1985-86 | 26 | 31 | 351 | 532 | 931 | 1005 | 862 | 855 | 777 | 619 | 392 | 119 | 6500 |
| 1986-87 | 58 | 28 | 353 | 661 | 816 | 1069 | 1150 | 942 | 990 | 566 | 435 | 114 | 7182 |
| 1987-88 | 82 | 86 | 246 | 447 | 859 | 1167 | 1103 | 885 | 848 | 621 | 434 | 124 | 6902 |
| 1988-89 | 9 | 41 | 266 | 381 | 836 | 1141 | 1196 | 910 | 710 | 432 | 330 | 139 | 6391 |
| 1989-90 | 7 | 67 | 184 | 540 | 792 | 1030 | 1124 | 996 | 822 | 558 | 449 | 84 | 6653 |
| 1990-91 | 10 | 93 | 167 | 494 | 816 | 1231 | 1060 | 772 | 1008 | 652 | 476 | 225 | 7004 |
| 1991-92 | 7 | 12 | 159 | 438 | 835 | 1071 | 1159 | 854 | 830 | 470 | 356 | 180 | 6371 |
| 1992-93 | 38 | 80 | 163 | 444 | 932 | 1191 | 1014 | 903 | 761 | 551 | 339 | 158 | 6574 |
| 1993-94 | 29 | 45 | 207 | 538 | 893 | 1073 | 990 | 979 | 747 | 614 | 406 | | |
| 1994-95 | 35 | 11 | 203 | 637 | 974 | 1014 | 1128 | 772 | 821 | 731 | | 290 | |
| 1995-96 | 60 | 10 | | 531 | 671 | 1015 | 1035 | 807 | 834 | 597 | | 108 | |
| 1996-97 | 2 | 36 | 291 | 620 | | 966 | 1141 | 984 | 797 | 729 | 330 | 231 | |
| 1997-98 | 61 | 45 | 161 | 613 | 813 | 1182 | 1037 | 1050 | 964 | 828 | 559 | 300 | 7613 |
| 1998-99 | 15 | 27 | 226 | 624 | 832 | 1044 | 957 | 829 | 798 | 817 | 480 | 220 | 6869 |
| 1999-00 | 45 | 86 | 260 | 529 | 726 | 1099 | 987 | 846 | 911 | 547 | 293 | 98 | 6427 |
| 2000-01 | 26 | 49 | 148 | 577 | 1020 | 933 | 1165 | 983 | 801 | 641 | 295 | 109 | 6747 |
| 2001-02 | 25 | 40 | 149 | 452 | 781 | 1172 | 1047 | 863 | 894 | 521 | 397 | 69 | 6410 |
| 2002-03 | 2 | 38 | 204 | 598 | 792 | 1130 | 856 | 889 | 856 | 726 | 342 | 131 | 6564 |
| 2003- | 0 | 30 | 171 | 403 | 872 | 1074 | | | | | | | |

WBAN : 03103

COOLING DEGREE DAYS (base 65°F) 2003 FLAGSTAFF, AZ (FLG)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 1974 | 0 | 0 | 0 | 0 | 0 | 120 | 66 | 33 | 13 | 0 | 0 | 0 | 232 |
| 1975 | 0 | 0 | 0 | 0 | 0 | 0 | 60 | 28 | 0 | 0 | 0 | 0 | 88 |
| 1976 | 0 | 0 | 0 | 0 | 0 | 15 | 70 | 13 | 0 | 0 | 0 | 0 | 98 |
| 1977 | 0 | 0 | 0 | 0 | 0 | 28 | 82 | 61 | 20 | 0 | 0 | 0 | 191 |
| 1978 | 0 | 0 | 0 | 0 | 0 | 25 | 87 | 38 | 2 | 0 | 0 | 0 | 152 |
| 1979 | 0 | 0 | 0 | 0 | 0 | 10 | 47 | 24 | 4 | 0 | 0 | 0 | 85 |
| 1980 | 0 | 0 | 0 | 0 | 0 | 43 | 133 | 91 | 2 | 0 | 0 | 0 | 269 |
| 1981 | 0 | 0 | 0 | 0 | 0 | 91 | 108 | 58 | 0 | 0 | 0 | 0 | 257 |
| 1982 | 0 | 0 | 0 | 0 | 0 | 1 | 36 | 46 | 6 | 0 | 0 | 0 | 89 |
| 1983 | 0 | 0 | 0 | 0 | 0 | 0 | 45 | 31 | 12 | 0 | 0 | 0 | 88 |
| 1984 | 0 | 0 | 0 | 0 | 2 | 14 | 49 | 23 | 2 | 0 | 0 | 0 | 90 |
| 1985 | 0 | 0 | 0 | 0 | 0 | 36 | 102 | 47 | 0 | 0 | 0 | 0 | 185 |
| 1986 | 0 | 0 | 0 | 0 | 0 | 11 | 33 | 55 | 0 | 0 | 0 | 0 | 99 |
| 1987 | 0 | 0 | 0 | 0 | 0 | 13 | 21 | 26 | 0 | 0 | 0 | 0 | 60 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 28 | 94 | 28 | 1 | 0 | 0 | 0 | 151 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 22 | 111 | 29 | 0 | 0 | 0 | 0 | 162 |
| 1990 | 0 | 0 | 0 | 0 | 0 | 76 | 76 | 28 | 18 | 0 | 0 | 0 | 198 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 0 | 79 | 65 | 4 | 0 | 0 | 0 | 148 |
| 1992 | 0 | 0 | 0 | 0 | 0 | 6 | 48 | 62 | 0 | 0 | 0 | 0 | 116 |
| 1993 | 0 | 0 | 0 | 0 | 0 | 26 | 50 | 46 | 1 | 0 | 0 | 0 | 123 |
| 1994 | 0 | 0 | 0 | 0 | 0 | | 53 | 57 | 0 | 0 | 0 | 0 | |
| 1995 | 0 | 0 | 0 | 0 | 0 | 0 | 53 | 76 | | 0 | 0 | 0 | |
| 1996 | 0 | 0 | 0 | 0 | | 18 | | | | | | | |
| 1997 | 0 | 0 | 0 | 0 | 1 | 0 | 29 | 14 | 2 | 0 | 0 | 0 | 46 |
| 1998 | 0 | 0 | 0 | 0 | 0 | 5 | 60 | 28 | 0 | 0 | 0 | 0 | 93 |
| 1999 | 0 | 0 | 0 | 0 | 0 | 15 | 29 | 5 | 0 | 0 | 0 | 0 | 49 |
| 2000 | 0 | 0 | 0 | 0 | 3 | 18 | 81 | 55 | 8 | 0 | 0 | 0 | 165 |
| 2001 | 0 | 0 | 0 | 0 | 0 | 30 | 50 | 26 | 0 | 0 | 0 | 0 | 106 |
| 2002 | 0 | 0 | 0 | 0 | 5 | 19 | 163 | 79 | 5 | 0 | 0 | 0 | 271 |
| 2003 | 0 | 0 | 0 | 0 | 3 | 8 | 146 | 32 | 1 | 0 | 0 | 0 | 190 |

SNOWFALL (inches) 2003 FLAGSTAFF, AZ (FLG)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|----------------|-----|-----|-----|------|------|------|------|------|------|------|-----|-----|-------|
| 1974-75 | 0.0 | 0.0 | 0.0 | 16.6 | 8.2 | 15.6 | 20.1 | 18.2 | 29.1 | 25.1 | 8.2 | 0.0 | 141.1 |
| 1975-76 | 0.0 | 0.0 | 0.0 | T | 25.2 | 18.9 | 1.5 | 31.2 | 20.4 | 31.2 | 3.2 | 0.0 | 131.6 |
| 1976-77 | 0.0 | 0.0 | 0.0 | T | 0.7 | 9.0 | 21.1 | 11.2 | 8.8 | 17.8 | 1.6 | 0.0 | 70.2 |
| 1977-78 | 0.0 | 0.0 | 0.0 | 0.0 | 7.0 | 1.6 | 40.4 | 32.1 | 24.5 | 9.3 | 1.3 | 0.0 | 116.2 |
| 1978-79 | 0.0 | 0.0 | 0.0 | 0.0 | 16.5 | 19.8 | 59.4 | 18.1 | 22.8 | 4.1 | 4.8 | 0.0 | 145.5 |
| 1979-80 | 0.0 | 0.0 | 0.0 | 0.5 | 5.5 | 20.7 | 63.4 | 32.9 | 42.5 | 11.6 | T | 0.0 | 177.1 |
| 1980-81 | 0.0 | 0.0 | 0.0 | 6.9 | T | 6.8 | 11.7 | 11.9 | 45.6 | 9.5 | 0.0 | 0.0 | 92.4 |
| 1981-82 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 47.5 | 20.4 | 26.7 | 1.9 | 0.4 | 0.0 | 0.0 |
| 1982-83 | 0.0 | 0.0 | T | T | 22.6 | 27.1 | 15.3 | 25.0 | 38.5 | 13.6 | 0.5 | 0.0 | 142.6 |
| 1983-84 | 0.0 | 0.0 | 0.0 | 0.0 | 14.3 | 5.8 | 4.3 | 1.8 | 0.3 | 5.5 | 0.0 | 0.0 | 32.0 |
| 1984-85 | 0.0 | 0.0 | 0.0 | 0.6 | 9.4 | 28.7 | 26.2 | 31.3 | 21.3 | 18.5 | 0.0 | 0.0 | 136.0 |
| 1985-86 | 0.0 | 0.0 | 0.0 | 0.0 | 40.7 | 2.6 | 0.4 | 26.9 | 32.8 | 1.6 | 0.4 | 0.0 | 105.4 |
| 1986-87 | 0.0 | 0.0 | 0.9 | 0.6 | 4.8 | 9.5 | 38.6 | 40.7 | 25.0 | 1.5 | 0.0 | 0.0 | 121.6 |
| 1987-88 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 16.7 | 28.9 | 21.0 | 1.5 | 33.1 | 0.4 | 0.0 | 104.5 |
| 1988-89 | 0.0 | 0.0 | 0.0 | 0.0 | 11.9 | 15.0 | 21.7 | 12.0 | 16.6 | T | 0.5 | 0.0 | 77.7 |
| 1989-90 | 0.0 | T | T | T | T | 13.1 | 24.2 | 45.5 | 25.0 | 4.2 | 1.4 | 0.0 | 113.4 |
| 1990-91 | T | T | T | T | 9.6 | 22.3 | 3.1 | 13.5 | 79.4 | T | T | 0.0 | 127.9 |
| 1991-92 | 0.0 | 0.0 | T | 5.9 | 39.5 | 24.0 | 24.7 | 24.9 | 35.9 | 4.0 | T | T | 158.9 |
| 1992-93 | T | 0.3 | 0.0 | 0.5 | 2.1 | 41.7 | 55.7 | 35.2 | 11.9 | 2.3 | 0.3 | T | 150.0 |
| 1993-94 | 0.0 | T | T | 0.0 | 23.0 | 13.4 | 6.9 | 26.1 | 12.3 | 27.8 | T | | |
| 1994-95 | 0.0 | T | 0.0 | | | | | | | | | 0.0 | |
| 1995-96 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | | | |
| 1996-97 | | | | | | | | | | | | | |
| 1997-98 | | | | | | | | | | | | | |
| 1998-99 | | | | | | | | | | | | | |
| 1999-00 | | | | | | | | | | | | | |
| 2000-01 | | | | | | | | | | | | | |
| 2001-02 | | | | | | | | | | | | | |
| 2002-03 | | | | | | | | | | | | | |
| 2003- | | | | | | | | | | | | | |
| POR= 46 YRS | T | T | 0.1 | 2.0 | 9.7 | 15.6 | 20.0 | 18.0 | 21.5 | 9.7 | 1.7 | T | 98.3 |

WBAN : 03103

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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2003
FLAGSTAFF,
ARIZONA (FLG)

Flagstaff, elevation 7,000 feet, is situated on a volcanic plateau at the base of the highest mountains in Arizona. The climate may be classified as vigorous with cold winters, mild, pleasantly cool summers, moderate humidity, and considerable diurnal temperature change. Only limited farming exists due to the short growing season. The stormy months are January, February, March, July, and August.

Based on the 1951-1980 period, the average first occurrence of 32 degrees Fahrenheit in the fall is September 21 and the average last occurrence in the spring is June 13.

Temperatures in Flagstaff are characteristic of high altitude climates. The average daily range of temperature is relatively high, especially in the winter months, October to March, as a result of extensive snow cover and clear skies. Winter minimum temperatures frequently reach zero or below and temperatures of -25 degrees or less have occurred. Summer maximum temperatures are often above 80 degrees and occasionally, temperatures have exceeded 95 degrees.

The Flagstaff area is semi-arid. Several months have recorded little or no precipitation. Over 90 consecutive days without measurable precipitation have occurred. Annual precipitation ranges from less than 10 inches to more than 35 inches. Winter snowfalls can be heavy, exceeding 100 inches during one month and over 200 inches during the winter season. However, accumulations are quite variable from year to year. Some winter months may experience little or no snow and the winter season has produced total snow accumulations of less than 12 inches.

STATION LOCATION

FLAGSTAFF, ARIZONA

| LOCATION | Occupied From | Occupied To | Airline Distances and Directions from previous Location | LATITUDE | | ELEVATION ABOVE | | | | | | | | | | AUTOMATED OBSERVING EQUIPMENT * | * TYPE M = AMOS T = AUTOB S = ASOS W = AWOS REMARKS |
|---|---------------|-------------|---|----------|---------|-----------------|------------------|-----------------|----------------------|--------------|-----------------|---------------|------------|----------------|-------------------|---|--|
| | | | | NORTH | WEST | GROUND | | | | | | | | | | | |
| | | | | | | SEA LEVEL | GROUND | WIND INSTRUMENT | EXTREME THERMOMETERS | PSYCHROMETER | SUNSHINE SWITCH | TIPPING GAUGE | RAIN GAUGE | WINDHOLE GAUGE | 8 INCH RAIN GAUGE | | |
| *NOTE: <u>AIRPORT</u> Administration Building Pulliam Airport (Flagstaff Municipal) | 1/12/50 | 07/01/94 | 4 mi. S | 35°08' | 111°40' | 6993 f7006 | 30 d20 M20 | 5 | 5 h | g15 | | 5 b5 | c2 | e5 M6 | M | b. Minor adjustment 7/1/52. c. Installed 12/1/61. d. Effective 10/7/65. e. Commissioned 1000' ESE of thermometer site 8/15/68. f. Effective 8/15/68. g. Installed 4/1/72. M. RAMOS commissioned 9/4/80. h. Removed 9/4/80. | |
| Pulliam Airport | 07/01/94 | Present | NA | 35°08' | 111°40' | i7000 | | | | | | | | | S | ASOS commissioned 7/1/94. i. Ground Elevation | |

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* NOTES: For earlier station history see previous editions.