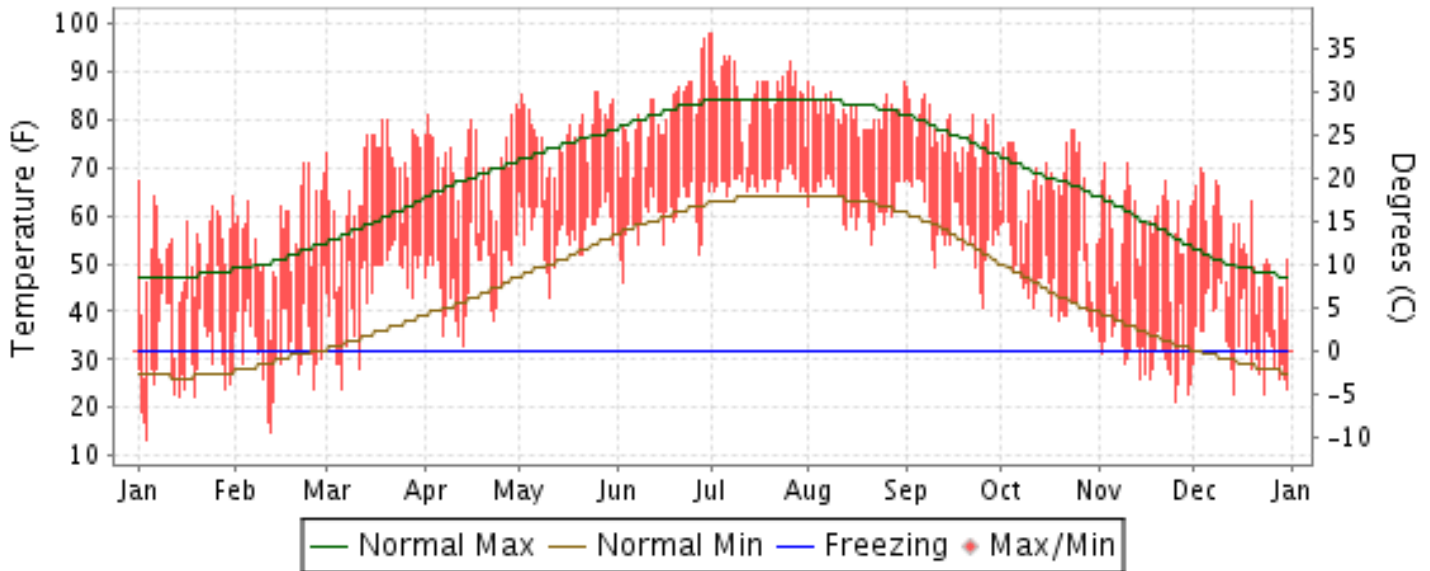




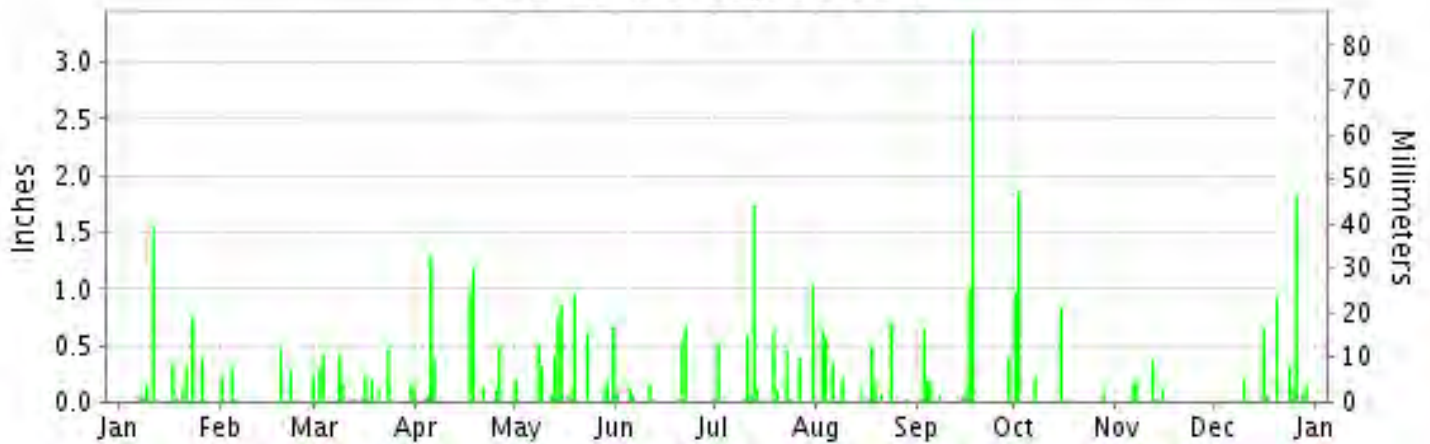
2012 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

ISSN 0198-3695

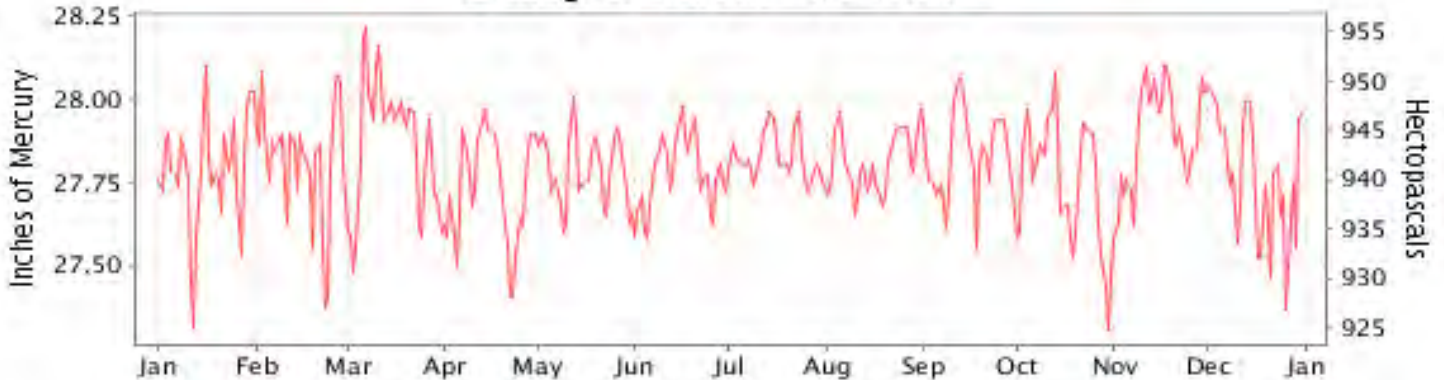
ASHEVILLE, NORTH CAROLINA (KAVL) Daily Max/Min Temperature



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 2012

ASHEVILLE (KAVL)

LATITUDE: 35° 25'N LONGITUDE: 82° 32'W ELEVATION (FT): GRND: 2117 BARO: 2174 TIME ZONE: EASTERN (UTC -5) WBAN: 03812

| ELEMENT | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR | |
|----------------------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-----------|----|
| TEMPERATURE °F | MEAN DAILY MAXIMUM | 51.9 | 55.9 | 67.9 | 70.4 | 77.2 | 81.7 | 86.5 | 81.9 | 77.1 | 66.0 | 58.6 | 53.6 | 69.1 | |
| | HIGHEST DAILY MAXIMUM | 67 | 71 | 80 | 83 | 86 | 98 | 98 | 88 | 87 | 78 | 71 | 70 | 98 | |
| | DATE OF OCCURRENCE | 01 | 24+ | 20+ | 30 | 26+ | 30 | 01 | 31+ | 01 | 24+ | 10+ | 03 | JUL 01 | |
| | MEAN DAILY MINIMUM | 30.2 | 32.4 | 44.8 | 46.6 | 57.0 | 59.6 | 67.1 | 62.6 | 57.2 | 45.4 | 31.5 | 33.9 | 47.4 | |
| | LOWEST DAILY MINIMUM | 13 | 15 | 24 | 33 | 43 | 46 | 64 | 54 | 41 | 36 | 21 | 23 | 13 | |
| | DATE OF OCCURRENCE | 04 | 12 | 06 | 13 | 11 | 03 | 06 | 21 | 25 | 30 | 25 | 23+ | JAN 04 | |
| | AVERAGE DRY BULB | 41.0 | 44.2 | 56.4 | 58.5 | 67.1 | 70.7 | 76.8 | 72.3 | 67.2 | 55.7 | 45.1 | 43.8 | 58.2 | |
| | MEAN WET BULB | 35.9 | 38.9 | 49.3 | 51.2 | 60.9 | 63.0 | 69.3 | 66.2 | 61.3 | 50.3 | 38.9 | 39.8 | 52.1 | |
| | MEAN DEW POINT | 28.8 | 31.9 | 42.9 | 44.6 | 57.3 | 58.5 | 66.3 | 63.4 | 57.9 | 45.9 | 32.2 | 34.7 | 47.0 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | MAXIMUM >= 90° | 0 | 0 | 0 | 0 | 0 | 3 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| | MAXIMUM <= 32° | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | MINIMUM <= 32° | 20 | 17 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 13 | 72 | |
| MINIMUM <= 0° | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| H/C | HEATING DEGREE DAYS | 734 | 598 | 259 | 199 | 36 | 9 | 0 | 0 | 26 | 286 | 594 | 651 | 3392 | |
| | COOLING DEGREE DAYS | 0 | 0 | 1 | 13 | 110 | 185 | 375 | 232 | 102 | 4 | 0 | 0 | 1022 | |
| RH | MEAN (PERCENT) | 69 | 66 | 66 | 66 | 75 | 69 | 75 | 79 | 77 | 74 | 67 | 74 | 71 | |
| | HOUR 01 LST | 79 | 76 | 81 | 80 | 91 | 86 | 90 | 92 | 90 | 86 | 81 | 83 | 85 | |
| | HOUR 07 LST | 81 | 80 | 80 | 74 | 84 | 76 | 81 | 88 | 88 | 85 | 84 | 85 | 82 | |
| | HOUR 13 LST | 54 | 50 | 46 | 47 | 53 | 49 | 59 | 60 | 56 | 55 | 43 | 58 | 53 | |
| | HOUR 19 LST | 68 | 61 | 63 | 65 | 74 | 65 | 74 | 82 | 79 | 75 | 63 | 72 | 70 | |
| W/O | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG(VISBY <= 1/4 MI) | 7 | 4 | 2 | 2 | 6 | 0 | 1 | 9 | 3 | 1 | 3 | 1 | 39 | |
| | THUNDERSTORMS | 1 | 0 | 5 | 2 | 2 | 2 | 6 | 2 | 0 | 1 | 0 | 0 | 21 | |
| PR | MEAN STATION PRESS. (IN.) | 27.79 | 27.81 | 27.87 | 27.73 | 27.79 | 27.78 | 27.83 | 27.81 | 27.83 | 27.75 | 27.89 | 27.77 | 27.80 | |
| | MEAN SEA-LEVEL PRESS. (IN.) | 30.09 | 30.10 | 30.12 | 29.97 | 30.01 | 29.99 | 30.03 | 30.01 | 30.06 | 30.00 | 30.18 | 30.06 | 30.05 | |
| WINDS | RESULTANT SPEED (MPH) | 1.9 | 1.9 | 1.4 | 2.8 | 0.6 | 0.9 | 1.7 | 0.6 | 0.4 | 2.8 | 3.1 | 2.3 | 1.7 | |
| | RES. DIR. (TENS OF DEGS.) | 32 | 32 | 33 | 32 | 34 | 33 | 33 | 30 | 34 | 34 | 34 | 33 | 33 | |
| | MEAN SPEED (MPH) | 7.3 | 7.9 | 6.1 | 6.8 | 4.1 | 4.5 | 4.2 | 3.4 | 4.3 | 6.4 | 5.3 | 6.5 | 5.6 | |
| | PREVAIL.DIR.(TENS OF DEGS.) | 34 | 35 | 35 | 34 | 35 | 35 | 34 | 34 | 16 | 34 | 34 | 34 | 34 | |
| | MAXIMUM 2-MINUTE WIND | | | | | | | | | | | | | | |
| | SPEED (MPH) | 32 | 36 | 30 | 32 | 24 | 26 | 31 | 21 | 29 | 39 | 28 | 35 | 39 | |
| | DIR. (TENS OF DEGS.) | 33 | 34 | 33 | 34 | 28 | 35 | 31 | 18 | 35 | 34 | 33 | 33 | 34 | |
| | DATE OF OCCURRENCE | 02 | 12 | 05 | 23 | 19 | 22 | 01 | 04 | 08 | 29 | 23 | 21 | OCT 29 | |
| | MAXIMUM 3-SECOND WIND: | | | | | | | | | | | | | | |
| SPEED (MPH) | 45 | 45 | 44 | 43 | 29 | 40 | 44 | 31 | 41 | 49 | 36 | 47 | 49 | | |
| DIR. (TENS OF DEGS.) | 30 | 33 | 31 | 30 | 27 | 34 | 31 | 12 | 34 | 33 | 33 | 32 | 33 | | |
| DATE OF OCCURRENCE | 12 | 11 | 05 | 26 | 19 | 22 | 01 | 05 | 08 | 29 | 13 | 21 | OCT 29 | | |
| PRECIPITATION | WATER EQUIVALENT: | | | | | | | | | | | | | | |
| | TOTAL (IN.) | 3.85 | 1.59 | 2.72 | 4.66 | 5.82 | 1.68 | 5.78 | 3.39 | 5.93 | 4.01 | 0.85 | 4.38 | 44.66 | |
| | GREATEST 24-HOUR (IN.) | 1.57 | 0.48 | 0.73 | 2.16 | 1.16 | 0.67 | 1.85 | 1.21 | 3.94 | 2.58 | 0.39 | 1.94 | 3.94 | |
| | DATE OF OCCURRENCE | 10-11 | 18-19 | 02-03 | 17-18 | 13-14 | 22 | 13-14 | 03-04 | 17-18 | 01-02 | 12-13 | 25-26 | SEP 17-18 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| PRECIPITATION 0.01 | 14 | 9 | 16 | 11 | 15 | 9 | 16 | 13 | 10 | 6 | 5 | 12 | 136 | | |
| PRECIPITATION 0.10 | 7 | 5 | 10 | 7 | 11 | 4 | 9 | 7 | 7 | 4 | 4 | 7 | 82 | | |
| PRECIPITATION 1.00 | 1 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 2 | 1 | 0 | 1 | 9 | | |
| SNOWFALL | SNOW,ICE PELLETS,HAIL | T | T | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | |
| | TOTAL (IN.) | T | T | T | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | |
| | GREATEST 24-HOUR (IN.) | 14+ | 25+ | 05+ | | | | | | | | | 30+ | DEC 30+ | |
| | DATE OF OCCURRENCE | T | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | T | |
| | MAXIMUM SNOW DEPTH (IN.) | 04+ | | | | | | | | | | | | JAN 04+ | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | | |
| SNOWFALL >= 1.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |

NORMALS, MEANS, AND EXTREMES ASHEVILLE (KAVL)

LATITUDE:
35° 25'N

LONGITUDE:
82° 32'W

ELEVATION (FT):
GRND: 2117 BARO: 2174

TIME ZONE:
EASTERN (UTC -5)

WBAN: 03812

| | ELEMENT | POR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR |
|--|--|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------|
| TEMPERATURE °F | NORMAL DAILY MAXIMUM | 30 | 47.4 | 51.0 | 58.7 | 67.7 | 74.8 | 81.3 | 84.0 | 82.9 | 76.9 | 68.1 | 58.8 | 49.5 | 66.8 |
| | MEAN DAILY MAXIMUM | 61 | 47.8 | 50.5 | 58.6 | 68.1 | 75.3 | 81.3 | 84.2 | 83.2 | 77.1 | 68.2 | 58.5 | 50.3 | 66.9 |
| | HIGHEST DAILY MAXIMUM | 48 | 80 | 78 | 83 | 89 | 93 | 98 | 98 | 100 | 92 | 86 | 81 | 78 | 100 |
| | YEAR OF OCCURRENCE | | 1999 | 1996 | 1985 | 1972 | 1996 | 2012 | 2012 | 1983 | 1998 | 1986 | 2004 | 1971 | AUG 1983 |
| | MEAN OF EXTREME MAXS. | 61 | 66.1 | 69.0 | 76.7 | 83.0 | 86.0 | 90.1 | 91.8 | 90.5 | 86.9 | 80.8 | 73.8 | 67.1 | 80.2 |
| | NORMAL DAILY MINIMUM | 30 | 26.7 | 29.7 | 35.5 | 42.8 | 51.4 | 59.6 | 63.7 | 62.9 | 55.8 | 44.6 | 35.8 | 29.3 | 44.8 |
| | MEAN DAILY MINIMUM | 61 | 26.5 | 28.2 | 34.7 | 42.4 | 50.8 | 58.2 | 62.7 | 61.7 | 55.1 | 43.3 | 34.4 | 28.5 | 43.9 |
| | LOWEST DAILY MINIMUM | 48 | -16 | -2 | 2 | 20 | 28 | 35 | 44 | 42 | 30 | 21 | 8 | -7 | -16 |
| | YEAR OF OCCURRENCE | | 1985 | 1967 | 1993 | 2007 | 1989 | 1966 | 1988 | 1986 | 1967 | 1976 | 1970 | 1983 | JAN 1985 |
| | MEAN OF EXTREME MINS. | 61 | 8.4 | 12.4 | 19.6 | 27.8 | 35.7 | 46.1 | 54.7 | 52.7 | 41.5 | 28.1 | 19.7 | 12.6 | 29.9 |
| | NORMAL DRY BULB | 30 | 37.1 | 40.3 | 47.1 | 55.2 | 63.1 | 70.5 | 73.8 | 72.9 | 66.3 | 56.4 | 47.3 | 39.4 | 55.8 |
| | MEAN DRY BULB | 61 | 37.2 | 39.4 | 46.7 | 55.3 | 63.0 | 69.9 | 73.5 | 72.5 | 66.1 | 55.8 | 46.4 | 39.4 | 55.4 |
| | MEAN WET BULB | 29 | 31.3 | 33.7 | 39.9 | 46.8 | 56.1 | 63.3 | 66.8 | 66.2 | 60.2 | 49.7 | 40.7 | 33.8 | 49.0 |
| | MEAN DEW POINT | 29 | 28.4 | 30.2 | 36.3 | 43.4 | 54.0 | 62.0 | 65.7 | 65.2 | 58.9 | 47.6 | 38.1 | 30.8 | 46.7 |
| | NORMAL NO. DAYS WITH: MAXIMUM >= 90 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 1.2 | 3.1 | 2.6 | 0.4 | 0.0 | 0.0 | 0.0 | 7.4 |
| | MAXIMUM <= 32 | 30 | 2.5 | 0.9 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 5.1 |
| MINIMUM <= 32 | 30 | 21.9 | 17.1 | 11.2 | 3.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 2.9 | 11.5 | 20.3 | 88.1 | |
| MINIMUM <= 0 | 30 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.4 | |
| H/C | NORMAL HEATING DEG. DAYS | 30 | 866 | 690 | 555 | 300 | 109 | 14 | 0 | 2 | 55 | 278 | 532 | 794 | 4195 |
| | NORMAL COOLING DEG. DAYS | 30 | 0 | 0 | 1 | 7 | 50 | 177 | 275 | 247 | 95 | 10 | 1 | 0 | 863 |
| RH | NORMAL (PERCENT) | 30 | 73 | 70 | 68 | 65 | 75 | 79 | 81 | 83 | 82 | 77 | 74 | 73 | 75 |
| | HOURLY 01 LST | 30 | 81 | 78 | 78 | 77 | 88 | 93 | 94 | 96 | 95 | 90 | 85 | 82 | 86 |
| | HOURLY 07 LST | 30 | 85 | 84 | 84 | 84 | 91 | 93 | 95 | 97 | 96 | 93 | 87 | 85 | 90 |
| | HOURLY 13 LST | 30 | 59 | 56 | 53 | 49 | 56 | 60 | 62 | 62 | 62 | 55 | 56 | 59 | 57 |
| | HOURLY 19 LST | 30 | 69 | 62 | 59 | 55 | 65 | 70 | 73 | 77 | 79 | 73 | 69 | 69 | 68 |
| S | PERCENT POSSIBLE SUNSHINE | 32 | 55 | 59 | 61 | 66 | 61 | 62 | 60 | 54 | 56 | 62 | 58 | 55 | 59 |
| W/O | MEAN NO. DAYS WITH: HEAVY FOG (VISIB <= 1/4 MI) | 48 | 4.0 | 2.7 | 2.3 | 2.4 | 5.3 | 7.5 | 8.1 | 12.0 | 10.5 | 7.6 | 3.7 | 4.2 | 70.3 |
| | THUNDERSTORMS | 54 | 0.4 | 0.7 | 2.1 | 3.0 | 5.9 | 7.9 | 8.5 | 7.3 | 2.8 | 0.6 | 0.6 | 0.3 | 40.1 |
| CLOUDINESS | MEAN: SUNRISE-SUNSET (OKTAS) | 32 | 5.0 | 4.8 | 4.9 | 4.6 | 5.0 | 5.0 | 5.0 | 5.0 | 4.8 | 4.0 | 4.3 | 4.7 | 4.8 |
| | MIDNIGHT-MIDNIGHT (OKTAS) | 32 | 4.9 | 4.7 | 4.7 | 4.4 | 4.8 | 4.7 | 4.8 | 5.0 | 4.7 | 4.0 | 4.1 | 4.5 | 4.6 |
| | MEAN NO. DAYS WITH: CLEAR | 32 | 9.1 | 8.7 | 8.8 | 9.6 | 7.2 | 6.2 | 5.0 | 4.8 | 6.7 | 11.6 | 10.2 | 9.3 | 97.2 |
| | PARTLY CLOUDY | 32 | 7.3 | 6.4 | 8.1 | 8.5 | 10.4 | 12.0 | 13.4 | 13.1 | 10.2 | 7.8 | 6.9 | 7.0 | 111.1 |
| | CLOUDY | 32 | 14.6 | 13.2 | 14.1 | 11.8 | 13.3 | 11.8 | 11.7 | 12.2 | 12.2 | 10.7 | 11.9 | 13.7 | 151.2 |
| PR | MEAN STATION PRESSURE (IN) | 29 | 27.81 | 27.79 | 27.78 | 27.75 | 27.79 | 27.81 | 27.84 | 27.85 | 27.85 | 27.86 | 27.85 | 27.84 | 27.82 |
| | MEAN SEA-LEVEL PRES. (IN) | 29 | 30.11 | 30.09 | 30.05 | 30.00 | 30.02 | 30.03 | 30.05 | 30.06 | 30.08 | 30.11 | 30.14 | 30.14 | 30.07 |
| WINDS | MEAN SPEED (MPH) | 29 | 8.7 | 8.5 | 8.3 | 7.9 | 6.3 | 5.2 | 5.0 | 4.6 | 4.9 | 5.9 | 7.2 | 7.8 | 6.7 |
| | PREVAIL. DIR. (TENS OF DEGS) | 41 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| | MAXIMUM 2-MINUTE: SPEED (MPH) | 16 | 46 | 43 | 47 | 49 | 44 | 41 | 41 | 41 | 45 | 39 | 38 | 40 | 49 |
| | DIR. (TENS OF DEGS) | | 33 | 33 | 32 | 34 | 33 | 33 | 33 | 30 | 36 | 34 | 33 | 33 | 34 |
| | YEAR OF OCCURRENCE | | 2003 | 2001 | 2001 | 2007 | 2008 | 2011 | 2001 | 2000 | 1999 | 2012 | 2003 | 2010 | APR 2007 |
| | MAXIMUM 3-SECOND SPEED (MPH) | 16 | 53 | 49 | 56 | 66 | 52 | 51 | 55 | 53 | 54 | 49 | 46 | 51 | 66 |
| | DIR. (TENS OF DEGS) | | 33 | 32 | 31 | 33 | 33 | 33 | 16 | 30 | 36 | 33 | 33 | 33 | 33 |
| YEAR OF OCCURRENCE | | 2003 | 2001 | 2001 | 2007 | 2008 | 2011 | 2007 | 2000 | 1999 | 2012 | 2003 | 2010 | APR 2007 | |
| PRECIPITATION | NORMAL (IN) | 30 | 3.67 | 3.76 | 3.83 | 3.33 | 3.66 | 4.65 | 4.31 | 4.40 | 3.81 | 2.91 | 3.65 | 3.59 | 45.57 |
| | MAXIMUM MONTHLY (IN) | 48 | 9.96 | 8.07 | 9.86 | 8.70 | 9.18 | 10.73 | 10.88 | 11.28 | 13.71 | 8.82 | 7.76 | 9.16 | 13.71 |
| | YEAR OF OCCURRENCE | | 1998 | 1990 | 1975 | 1998 | 2009 | 1989 | 2003 | 1967 | 2004 | 1990 | 1979 | 2009 | SEP 2004 |
| | MINIMUM MONTHLY (IN) | 48 | 0.45 | 0.44 | 0.77 | 0.25 | 0.96 | 0.85 | 0.46 | 0.52 | 0.16 | 0.00 | 0.85 | 0.16 | 0.00 |
| | YEAR OF OCCURRENCE | | 1981 | 1978 | 1985 | 1976 | 2007 | 2008 | 1986 | 1981 | 1984 | 2000 | 2012 | 1965 | OCT 2000 |
| | MAXIMUM IN 24 HOURS (IN) | 48 | 4.67 | 3.47 | 5.13 | 3.06 | 4.95 | 4.36 | 4.02 | 5.10 | 4.23 | 4.22 | 4.18 | 2.66 | 5.13 |
| | YEAR OF OCCURRENCE | | 1998 | 1982 | 1968 | 1973 | 1973 | 1997 | 1969 | 1990 | 2004 | 1995 | 2010 | 1973 | MAR 1968 |
| | NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01 | 30 | 10.0 | 9.5 | 11.0 | 10.2 | 11.9 | 12.7 | 12.9 | 12.7 | 9.5 | 8.2 | 9.7 | 9.7 | 128.0 |
| PRECIPITATION >= 1.00 | 30 | 0.9 | 1.0 | 1.0 | 0.8 | 0.7 | 1.2 | 0.9 | 1.0 | 0.9 | 0.7 | 1.2 | 0.9 | 11.2 | |
| SNOWFALL | NORMAL (IN) | 30 | 4.1 | 2.2 | 1.9 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.9 | 9.9 |
| | MAXIMUM MONTHLY (IN) | 48 | 17.6 | 25.5 | 18.2 | 11.5 | T | T | T | T | 0.0 | T | 9.6 | 16.3 | 25.5 |
| | YEAR OF OCCURRENCE | | 1966 | 1969 | 1993 | 1987 | 1993 | 1995 | 1994 | 1990 | | 2008 | 1968 | 1971 | FEB 1969 |
| | MAXIMUM IN 24 HOURS (IN) | 48 | 14.0 | 11.7 | 16.5 | 11.5 | T | T | T | T | 0.0 | T | 5.7 | 16.3 | 16.5 |
| | YEAR OF OCCURRENCE | | 1988 | 1969 | 1993 | 1987 | 1993 | 1995 | 1994 | 1990 | | 1993 | 1968 | 1971 | MAR 1993 |
| | MAXIMUM SNOW DEPTH (IN) | 53 | 14 | 13 | 18 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 14 | 18 |
| | YEAR OF OCCURRENCE | | 1988 | 1969 | 1993 | 1987 | | | | | | | 1968 | 1971 | MAR 1993 |
| NORMAL NO. DAYS WITH: SNOWFALL >= 1.0 | 30 | 0.9 | 0.7 | 0.4 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.4 | 2.7 | |

PRECIPITATION (inches) 2012 ASHEVILLE (KAVL)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|------|------|------|------|------|-------|-------|------|-------|------|------|------|--------|
| 1983 | 3.39 | 5.63 | 6.27 | 5.27 | 3.48 | 3.71 | 1.06 | 0.95 | 5.66 | 4.43 | 4.77 | 8.30 | 52.92 |
| 1984 | 2.36 | 6.43 | 4.82 | 4.05 | 6.62 | 3.69 | 5.88 | 5.02 | 0.16 | 2.73 | 2.61 | 1.34 | 45.71 |
| 1985 | 2.95 | 4.74 | 0.77 | 2.74 | 1.59 | 1.47 | 4.37 | 7.04 | 1.25 | 3.41 | 4.91 | 0.70 | 35.94 |
| 1986 | 1.11 | 1.85 | 2.75 | 0.57 | 3.55 | 1.28 | 0.46 | 6.10 | 3.15 | 4.19 | 5.28 | 4.28 | 34.57 |
| 1987 | 3.49 | 6.17 | 2.85 | 3.67 | 1.87 | 8.94 | 1.86 | 1.79 | 6.79 | 0.36 | 3.09 | 2.33 | 43.21 |
| 1988 | 3.71 | 0.88 | 1.31 | 3.46 | 1.06 | 0.94 | 2.65 | 1.78 | 2.79 | 3.12 | 3.47 | 1.41 | 26.58 |
| 1989 | 1.65 | 4.61 | 2.91 | 3.17 | 5.54 | 10.73 | 8.33 | 4.98 | 8.17 | 2.98 | 4.27 | 3.29 | 60.63 |
| 1990 | 3.27 | 8.07 | 5.95 | 1.96 | 5.09 | 0.90 | 6.55 | 7.78 | 1.43 | 8.82 | 1.55 | 4.50 | 55.87 |
| 1991 | 3.25 | 1.66 | 6.13 | 5.38 | 2.41 | 5.27 | 6.07 | 3.83 | 1.27 | 0.19 | 3.34 | 4.86 | 43.66 |
| 1992 | 3.08 | 3.66 | 3.52 | 3.99 | 6.18 | 6.62 | 1.10 | 7.64 | 3.15 | 4.15 | 7.24 | 3.71 | 54.04 |
| 1993 | 3.82 | 2.03 | 6.16 | 3.21 | 4.59 | 1.12 | 2.07 | 5.29 | 1.56 | 1.21 | 3.32 | 3.59 | 37.97 |
| 1994 | 5.35 | 5.11 | 7.52 | 3.30 | 1.74 | 5.89 | 6.76 | 6.01 | 5.33 | 4.27 | 3.15 | 3.03 | 57.46 |
| 1995 | 7.03 | 2.93 | 2.42 | 0.98 | 6.04 | 8.89 | 3.61 | 9.22 | 1.95 | 7.23 | 3.66 | 1.43 | 55.39 |
| 1996 | 7.22 | 2.71 | 3.36 | 2.00 | 2.55 | 3.54 | 4.83 | 6.68 | 5.22 | 0.68 | 4.45 | 3.92 | 47.16 |
| 1997 | 4.44 | 5.29 | 5.48 | 5.26 | 2.91 | 8.29 | 2.97 | 1.37 | 4.89 | 3.90 | 1.60 | 2.98 | 49.38 |
| 1998 | 9.96 | 6.38 | 3.71 | 8.70 | 2.22 | 3.64 | 1.97 | 2.23 | 1.62 | 1.79 | 2.76 | 3.04 | 48.02 |
| 1999 | 6.38 | 3.29 | 2.82 | 2.44 | 2.53 | 4.39 | 3.85 | 3.37 | 2.20 | 3.29 | 3.31 | 1.98 | 39.85 |
| 2000 | 3.10 | 2.33 | 3.82 | 5.11 | 1.27 | 2.78 | 2.84 | 4.45 | 3.27 | 0.00 | 4.25 | 2.37 | 35.59 |
| 2001 | 2.63 | 2.73 | 5.00 | 1.32 | 2.47 | 2.91 | 5.50 | 3.20 | 4.37 | 0.60 | 1.42 | 2.34 | 34.49 |
| 2002 | 3.64 | 1.30 | 4.36 | 1.73 | 3.42 | 6.13 | 1.98 | 2.09 | 6.05 | 3.14 | 4.23 | 6.40 | 44.47 |
| 2003 | 1.19 | 4.47 | 4.34 | 5.25 | 8.36 | 6.16 | 10.88 | 6.80 | 3.01 | 2.33 | 3.89 | 2.78 | 59.46 |
| 2004 | 0.83 | 4.20 | 2.02 | 2.95 | 3.23 | 7.39 | 4.68 | 3.79 | 13.71 | 1.11 | 5.02 | 3.43 | 52.36 |
| 2005 | 2.00 | 2.57 | 3.33 | 2.86 | 1.65 | 10.09 | 10.26 | 5.71 | 0.34 | 1.20 | 3.74 | 3.51 | 47.26 |
| 2006 | 3.58 | 2.55 | 0.91 | 4.58 | 1.69 | 5.16 | 2.81 | 7.12 | 7.80 | 2.93 | 4.52 | 4.64 | 48.29 |
| 2007 | 3.35 | 1.45 | 4.29 | 1.77 | 0.96 | 2.91 | 4.85 | 2.84 | 3.40 | 3.02 | 1.49 | 4.06 | 34.39 |
| 2008 | 2.56 | 3.79 | 4.51 | 2.84 | 1.33 | 0.85 | 4.02 | 5.84 | 1.70 | 1.84 | 1.61 | 4.74 | 35.63 |
| 2009 | 2.40 | 1.87 | 4.07 | 3.54 | 9.18 | 6.41 | 2.88 | 3.69 | 8.17 | 5.50 | 5.26 | 9.16 | 62.13 |
| 2010 | 7.00 | 3.35 | 4.18 | 2.24 | 4.89 | 1.75 | 3.54 | 3.47 | 4.15 | 2.94 | 5.49 | 1.26 | 44.26 |
| 2011 | 2.12 | 2.97 | 6.95 | 4.33 | 2.95 | 3.83 | 3.33 | 3.00 | 3.74 | 2.39 | 5.32 | 5.11 | 46.04 |
| 2012 | 3.85 | 1.59 | 2.72 | 4.66 | 5.82 | 1.68 | 5.78 | 3.39 | 5.93 | 4.01 | 0.85 | 4.38 | 44.66 |
| POR= 61 YRS | 3.60 | 3.51 | 4.42 | 3.50 | 3.99 | 4.21 | 4.48 | 4.42 | 3.79 | 3.16 | 3.55 | 3.60 | 46.23 |

WBAN : 03812

AVERAGE TEMPERATURE (°F) 2012 ASHEVILLE (KAVL)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1983 | 36.7 | 38.8 | 46.7 | 51.1 | 61.6 | 69.0 | 75.7 | 76.5 | 66.6 | 57.5 | 47.3 | 36.4 | 55.3 |
| 1984 | 34.0 | 40.5 | 44.8 | 51.7 | 59.9 | 70.0 | 70.6 | 71.6 | 62.8 | 62.7 | 43.1 | 46.3 | 54.8 |
| 1985 | 30.5 | 38.3 | 48.1 | 56.6 | 62.6 | 69.8 | 72.2 | 70.9 | 64.2 | 60.5 | 56.0 | 34.7 | 55.4 |
| 1986 | 35.0 | 42.2 | 46.0 | 56.0 | 63.3 | 71.7 | 76.1 | 70.9 | 68.0 | 57.4 | 50.7 | 39.8 | 56.4 |
| 1987 | 35.3 | 38.9 | 46.5 | 52.6 | 66.7 | 71.2 | 74.7 | 74.7 | 66.5 | 50.1 | 47.0 | 42.2 | 55.5 |
| 1988 | 32.1 | 37.1 | 47.1 | 54.6 | 61.1 | 69.3 | 73.8 | 74.6 | 66.3 | 50.2 | 46.7 | 38.7 | 54.3 |
| 1989 | 42.1 | 39.8 | 50.3 | 54.5 | 59.4 | 70.0 | 73.3 | 71.9 | 65.8 | 56.1 | 46.2 | 31.6 | 55.1 |
| 1990 | 42.8 | 45.6 | 50.4 | 54.2 | 63.3 | 70.9 | 73.8 | 73.9 | 67.6 | 57.8 | 49.9 | 45.5 | 58.0 |
| 1991 | 39.2 | 42.5 | 49.6 | 58.4 | 67.3 | 70.3 | 75.2 | 72.1 | 67.3 | 57.0 | 45.5 | 43.4 | 57.3 |
| 1992 | 40.7 | 44.2 | 46.3 | 55.9 | 59.9 | 68.1 | 74.9 | 70.4 | 67.8 | 54.4 | 46.2 | 39.2 | 55.7 |
| 1993 | 42.0 | 38.0 | 43.0 | 52.6 | 63.2 | 71.4 | 78.0 | 73.9 | 67.8 | 55.0 | 46.0 | 36.8 | 55.6 |
| 1994 | 32.4 | 40.6 | 47.3 | 58.5 | 60.2 | 72.6 | 73.1 | 71.4 | 64.6 | 55.9 | 50.1 | 43.6 | 55.9 |
| 1995 | 38.9 | 38.4 | 49.4 | 56.4 | 64.1 | 68.5 | 75.0 | 75.3 | 65.4 | 56.8 | 43.3 | 37.1 | 55.7 |
| 1996 | 35.3 | 39.5 | 41.4 | 53.6 | 66.1 | 69.6 | 72.0 | 71.5 | 64.4 | 55.8 | 42.3 | 40.5 | 54.3 |
| 1997 | 36.5 | 43.2 | 51.5 | 51.5 | 58.4 | 66.5 | 73.4 | 70.6 | 66.1 | 55.4 | 42.3 | 36.9 | 54.4 |
| 1998 | 41.3 | 42.2 | 43.9 | 54.1 | 66.5 | 71.7 | 74.9 | 73.4 | 70.3 | 58.3 | 49.2 | 43.9 | 57.5 |
| 1999 | 41.7 | 42.4 | 42.9 | 58.5 | 61.9 | 69.3 | 74.3 | 74.1 | 65.6 | 56.0 | 51.3 | 41.9 | 56.7 |
| 2000 | 36.0 | 43.3 | 49.9 | 53.0 | 66.2 | 70.6 | 72.8 | 71.7 | 65.2 | 57.2 | 44.6 | 32.5 | 55.3 |
| 2001 | 36.7 | 44.5 | 44.6 | 58.2 | 64.0 | 70.5 | 72.9 | 73.8 | 64.5 | 53.9 | 51.7 | 44.8 | 56.7 |
| 2002 | 41.1 | 40.3 | 47.5 | 59.1 | 62.2 | 70.8 | 74.6 | 73.3 | 68.8 | 59.7 | 44.8 | 38.6 | 56.7 |
| 2003 | 33.7 | 39.6 | 50.1 | 55.2 | 62.8 | 68.1 | 72.0 | 73.7 | 65.2 | 54.8 | 51.4 | 36.6 | 55.3 |
| 2004 | 35.9 | 38.3 | 49.5 | 55.2 | 66.3 | 70.5 | 72.9 | 70.8 | 66.5 | 61.0 | 50.3 | 38.5 | 56.3 |
| 2005 | 40.8 | 41.8 | 45.4 | 54.5 | 60.6 | 69.5 | 74.5 | 74.0 | 68.4 | 58.5 | 48.3 | 36.6 | 56.1 |
| 2006 | 43.2 | 39.0 | 47.5 | 58.6 | 61.5 | 69.5 | 73.6 | 74.3 | 64.3 | 54.2 | 47.0 | 42.6 | 56.3 |
| 2007 | 39.5 | 36.3 | 52.0 | 53.1 | 63.5 | 71.3 | 71.4 | 76.7 | 68.1 | 59.6 | 45.5 | 43.9 | 56.7 |
| 2008 | 36.4 | 42.5 | 46.1 | 55.3 | 62.9 | 72.5 | 72.9 | 72.8 | 67.1 | 54.1 | 43.0 | 42.0 | 55.6 |
| 2009 | 36.9 | 39.5 | 47.3 | 54.9 | 63.9 | 71.7 | 70.8 | 72.4 | 66.9 | 55.0 | 49.0 | 36.6 | 55.4 |
| 2010 | 32.4 | 32.8 | 44.8 | 58.1 | 66.0 | 74.3 | 76.2 | 75.7 | 68.5 | 56.6 | 46.9 | 30.6 | 55.2 |
| 2011 | 33.2 | 43.4 | 48.5 | 59.1 | 64.6 | 73.7 | 76.9 | 75.1 | 67.1 | 54.3 | 48.9 | 44.3 | 57.4 |
| 2012 | 41.0 | 44.2 | 56.4 | 58.5 | 67.1 | 70.7 | 76.8 | 72.3 | 67.2 | 55.7 | 45.1 | 43.8 | 58.2 |
| POR= 61 YRS | 37.2 | 39.4 | 46.7 | 55.3 | 63.0 | 69.9 | 73.5 | 72.5 | 66.1 | 55.8 | 46.4 | 39.4 | 55.4 |

HEATING DEGREE DAYS (base 65°F) 2012 ASHEVILLE (KAVL)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-------|
| 1983-84 | 0 | 0 | 84 | 229 | 527 | 882 | 955 | 706 | 618 | 391 | 176 | 9 | 4577 |
| 1984-85 | 1 | 0 | 107 | 91 | 648 | 576 | 1064 | 737 | 520 | 249 | 109 | 19 | 4121 |
| 1985-86 | 0 | 6 | 111 | 156 | 266 | 932 | 923 | 633 | 581 | 273 | 91 | 2 | 3974 |
| 1986-87 | 0 | 32 | 16 | 268 | 419 | 774 | 913 | 725 | 567 | 369 | 40 | 1 | 4124 |
| 1987-88 | 0 | 0 | 47 | 452 | 532 | 702 | 1013 | 802 | 545 | 308 | 132 | 31 | 4564 |
| 1988-89 | 5 | 0 | 33 | 453 | 544 | 808 | 702 | 698 | 454 | 331 | 200 | 4 | 4232 |
| 1989-90 | 1 | 8 | 74 | 279 | 558 | 1028 | 679 | 535 | 446 | 321 | 91 | 3 | 4023 |
| 1990-91 | 0 | 0 | 55 | 229 | 445 | 601 | 793 | 627 | 472 | 204 | 53 | 16 | 3495 |
| 1991-92 | 0 | 1 | 64 | 242 | 578 | 663 | 748 | 596 | 573 | 274 | 169 | 25 | 3933 |
| 1992-93 | 0 | 0 | 34 | 324 | 558 | 794 | 708 | 751 | 677 | 365 | 82 | 9 | 4302 |
| 1993-94 | 0 | 0 | 44 | 310 | 563 | 866 | 1005 | 676 | 544 | 206 | 165 | 0 | 4379 |
| 1994-95 | 0 | 1 | 52 | 276 | 441 | 656 | 803 | 736 | 474 | 264 | 87 | 17 | 3807 |
| 1995-96 | 0 | 0 | 50 | 255 | 645 | 856 | 912 | 735 | 725 | 341 | 78 | 20 | 4617 |
| 1996-97 | 0 | 0 | 76 | 284 | 673 | 753 | 876 | 601 | 412 | 400 | 212 | 64 | 4351 |
| 1997-98 | 0 | 5 | 35 | 292 | 675 | 863 | 727 | 631 | 647 | 322 | 71 | 23 | 4291 |
| 1998-99 | 0 | 0 | 11 | 214 | 465 | 649 | 718 | 627 | 680 | 210 | 100 | 7 | 3681 |
| 1999-00 | 6 | 0 | 56 | 274 | 405 | 705 | 893 | 621 | 460 | 353 | 41 | 11 | 3825 |
| 2000-01 | 1 | 1 | 88 | 238 | 607 | 998 | 872 | 566 | 628 | 222 | 63 | 1 | 4285 |
| 2001-02 | 0 | 0 | 97 | 340 | 391 | 620 | 735 | 687 | 536 | 201 | 130 | 1 | 3738 |
| 2002-03 | 0 | 0 | 10 | 202 | 600 | 811 | 966 | 705 | 454 | 289 | 88 | 19 | 4144 |
| 2003-04 | 0 | 0 | 52 | 309 | 411 | 874 | 894 | 767 | 478 | 295 | 49 | 1 | 4130 |
| 2004-05 | 0 | 3 | 21 | 128 | 436 | 817 | 744 | 644 | 602 | 309 | 143 | 22 | 3869 |
| 2005-06 | 0 | 0 | 4 | 215 | 496 | 877 | 668 | 724 | 537 | 203 | 149 | 10 | 3883 |
| 2006-07 | 0 | 0 | 68 | 332 | 531 | 684 | 785 | 796 | 393 | 352 | 81 | 0 | 4022 |
| 2007-08 | 0 | 0 | 34 | 198 | 576 | 650 | 880 | 645 | 579 | 288 | 97 | 0 | 3947 |
| 2008-09 | 1 | 0 | 35 | 330 | 653 | 706 | 863 | 708 | 543 | 298 | 76 | 0 | 4213 |
| 2009-10 | 0 | 0 | 23 | 309 | 474 | 873 | 1003 | 898 | 617 | 208 | 53 | 0 | 4458 |
| 2010-11 | 0 | 0 | 16 | 259 | 536 | 1057 | 980 | 600 | 506 | 195 | 108 | 1 | 4258 |
| 2011-12 | 0 | 0 | 38 | 323 | 479 | 634 | 734 | 598 | 259 | 199 | 36 | 9 | 3309 |
| 2012- | 0 | 0 | 26 | 286 | 594 | 651 | | | | | | | |

WBAN : 03812

COOLING DEGREE DAYS (base 65°F) 2012 ASHEVILLE (KAVL)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1983 | 0 | 0 | 0 | 0 | 25 | 139 | 335 | 362 | 141 | 5 | 0 | 0 | 1007 |
| 1984 | 0 | 0 | 0 | 0 | 25 | 165 | 180 | 211 | 49 | 27 | 0 | 0 | 657 |
| 1985 | 0 | 0 | 5 | 2 | 43 | 170 | 229 | 194 | 90 | 25 | 4 | 0 | 762 |
| 1986 | 0 | 0 | 0 | 8 | 43 | 209 | 353 | 222 | 112 | 38 | 0 | 0 | 985 |
| 1987 | 0 | 0 | 0 | 7 | 97 | 192 | 310 | 309 | 97 | 0 | 0 | 0 | 1012 |
| 1988 | 0 | 0 | 0 | 0 | 18 | 168 | 282 | 304 | 79 | 3 | 0 | 0 | 854 |
| 1989 | 0 | 0 | 5 | 23 | 34 | 159 | 264 | 229 | 107 | 11 | 0 | 0 | 832 |
| 1990 | 0 | 0 | 0 | 3 | 48 | 187 | 279 | 283 | 141 | 11 | 0 | 0 | 952 |
| 1991 | 0 | 0 | 3 | 13 | 132 | 181 | 324 | 227 | 139 | 3 | 0 | 0 | 1022 |
| 1992 | 0 | 0 | 0 | 7 | 20 | 125 | 313 | 174 | 125 | 0 | 0 | 0 | 764 |
| 1993 | 0 | 0 | 0 | 0 | 37 | 210 | 411 | 285 | 133 | 5 | 0 | 0 | 1081 |
| 1994 | 0 | 0 | 0 | 15 | 21 | 233 | 259 | 205 | 43 | 2 | 0 | 0 | 778 |
| 1995 | 0 | 0 | 1 | 12 | 65 | 127 | 315 | 325 | 68 | 8 | 0 | 0 | 921 |
| 1996 | 0 | 0 | 0 | 6 | 120 | 164 | 224 | 209 | 64 | 5 | 0 | 0 | 792 |
| 1997 | 0 | 0 | 0 | 0 | 13 | 116 | 265 | 184 | 76 | 1 | 0 | 0 | 655 |
| 1998 | 0 | 0 | 0 | 1 | 124 | 230 | 315 | 269 | 178 | 14 | 0 | 0 | 1131 |
| 1999 | 0 | 0 | 0 | 23 | 9 | 143 | 304 | 291 | 78 | 3 | 0 | 0 | 851 |
| 2000 | 0 | 0 | 0 | 0 | 83 | 187 | 251 | 215 | 103 | 4 | 1 | 0 | 844 |
| 2001 | 0 | 0 | 0 | 24 | 42 | 172 | 249 | 282 | 87 | 1 | 0 | 0 | 857 |
| 2002 | 0 | 0 | 0 | 32 | 50 | 181 | 305 | 267 | 130 | 47 | 0 | 0 | 1012 |
| 2003 | 0 | 0 | 0 | 0 | 29 | 117 | 223 | 281 | 65 | 0 | 9 | 0 | 724 |
| 2004 | 0 | 0 | 0 | 8 | 96 | 173 | 254 | 189 | 71 | 9 | 4 | 0 | 804 |
| 2005 | 0 | 0 | 0 | 0 | 14 | 167 | 302 | 285 | 112 | 20 | 0 | 0 | 900 |
| 2006 | 0 | 0 | 0 | 18 | 45 | 153 | 274 | 297 | 54 | 4 | 0 | 0 | 845 |
| 2007 | 0 | 0 | 0 | 1 | 42 | 192 | 208 | 370 | 133 | 38 | 0 | 0 | 984 |
| 2008 | 0 | 0 | 0 | 0 | 39 | 232 | 253 | 245 | 104 | 2 | 0 | 0 | 875 |
| 2009 | 0 | 0 | 0 | 4 | 50 | 209 | 186 | 237 | 84 | 4 | 0 | 0 | 774 |
| 2010 | 0 | 0 | 0 | 5 | 91 | 288 | 357 | 336 | 128 | 7 | 0 | 0 | 1212 |
| 2011 | 0 | 0 | 1 | 27 | 103 | 270 | 375 | 319 | 106 | 0 | 0 | 0 | 1201 |
| 2012 | 0 | 0 | 1 | 13 | 110 | 185 | 375 | 232 | 102 | 4 | 0 | 0 | 1022 |

SNOWFALL (inches) 2012 ASHEVILLE (KAVL)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|----------------|-----|-----|-----|-----|-----|------|------|-----|------|------|-----|-----|-------|
| 1983-84 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | 0.2 | 2.9 | T | 0.0 | 0.0 | 0.0 | 3.1 |
| 1984-85 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 4.5 | 3.1 | 0.1 | 0.4 | 0.0 | 0.0 | 8.1 |
| 1985-86 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.8 | 3.7 | 0.1 | T | 0.0 | 0.0 | 5.0 |
| 1986-87 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | 15.0 | 2.7 | 0.3 | 11.5 | 0.0 | 0.0 | 29.5 |
| 1987-88 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.5 | 14.2 | T | T | 1.2 | 0.0 | 0.0 | 16.2 |
| 1988-89 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | 1.2 | 6.0 | T | 1.0 | 0.0 | 0.0 | 8.2 |
| 1989-90 | 0.0 | 0.0 | 0.0 | T | T | 3.0 | T | T | T | 0.0 | 0.0 | 0.0 | 3.0 |
| 1990-91 | 0.0 | T | 0.0 | 0.0 | 0.0 | T | T | 0.4 | 3.1 | 0.0 | 0.0 | T | 3.5 |
| 1991-92 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | T | T | 0.5 | 0.0 | T | 0.0 | 1.5 |
| 1992-93 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | T | 3.0 | 18.2 | T | T | 0.0 | 21.2 |
| 1993-94 | 0.0 | 0.0 | 0.0 | T | T | 8.0 | 2.6 | 0.3 | 0.1 | T | 0.0 | 0.0 | 11.0 |
| 1994-95 | T | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.2 | 3.2 | T | 0.0 | 0.0 | T | 3.4 |
| 1995-96 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.1 | 15.7 | 4.4 | 1.5 | T | 0.0 | T | 21.7 |
| 1996-97 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 2.5 | 3.8 | 1.9 | T | T | 0.0 | 0.0 | 8.3 |
| 1997-98 | 0.0 | 0.0 | 0.0 | 0.0 | T | 4.5 | 12.7 | T | 0.4 | 0.0 | 0.0 | 0.0 | 17.6 |
| 1998-99 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 1.6 | T | 4.2 | 0.0 | 0.0 | 0.0 | 6.2 |
| 1999-00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | T | 6.2 | T | T | 0.1 | 0.0 | 0.0 | 6.4 |
| 2000-01 | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 6.1 | T | 0.8 | 6.4 | 0.2 | 0.0 | 0.0 | 15.5 |
| 2001-02 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 0.3 | T | 0.0 | 0.0 | 0.0 | 1.6 |
| 2002-03 | 0.0 | 0.0 | 0.0 | 0.0 | T | 4.0 | 4.2 | 3.7 | 2.0 | 4.0 | T | 0.0 | 17.9 |
| 2003-04 | T | 0.0 | 0.0 | 0.0 | T | 3.5 | 4.0 | 6.8 | T | T | 0.0 | 0.0 | 14.3 |
| 2004-05 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 1.6 | 4.0 | 0.3 | 0.1 | 0.0 | 0.0 | 6.6 |
| 2005-06 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | T | 1.4 | T | 0.0 | 0.0 | 0.0 | 1.4 |
| 2006-07 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | 0.9 | 1.0 | T | 1.3 | 0.0 | 0.0 | 3.2 |
| 2007-08 | 0.0 | 0.0 | 0.0 | 0.0 | T | 0.1 | 3.7 | T | 0.0 | 0.0 | 0.0 | 0.0 | 3.8 |
| 2008-09 | 0.0 | 0.0 | 0.0 | T | T | T | 1.0 | T | 5.1 | T | 0.0 | 0.0 | 6.1 |
| 2009-10 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 10.4 | 13.2 | 5.8 | 9.8 | 0.0 | 0.0 | 0.0 | 39.2 |
| 2010-11 | 0.0 | 0.0 | 0.0 | 0.0 | T | 10.8 | 9.4 | 0.6 | T | 0.0 | 0.0 | 0.0 | 20.8 |
| 2011-12 | 0.0 | 0.0 | 0.0 | 0.0 | T | T | T | T | T | 0.0 | 0.0 | 0.0 | T |
| 2012- | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T | | | | | | | |
| POR= 61 YRS | T | T | 0.0 | T | 0.5 | 1.7 | 4.0 | 3.1 | 1.9 | 0.4 | T | T | 11.6 |

WBAN : 03812

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. 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 CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS.</p> <p>GENERAL CONTINUED: 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</p> | <p>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. ON JULY 1, 1996, THE NATIONAL WEATHER SERVICE BEGAN USING THE "METAR" OBSERVATION CODE THAT WAS ALREADY EMPLOYED BY MOST OTHER NATIONS OF THE WORLD. THE MOST NOTICEABLE DIFFERENCE IN THIS ANNUAL PUBLICATION WILL BE THE CHANGE IN UNITS FROM TENTHS TO EIGHTHS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER. STATION HISTORY STOPPED WITH THE 2009 ANNUAL. IF YOU NEED STATION HISTORY INFORMATION GO TO "Historical Observing Metadata Repository", URL IS: http://www.ncdc.noaa.gov/homr/ SNOWFALL STOPPED MONTH & YEAR INDICATED ABOVE. NO FURTHER YEARS INCLUDED UNLESS RESTARTED.</p> <p>NOTE:</p> <p>The "Period of Record:(POR)" for all "averages" is based on "Summary of the Day First Order Station" and "Cooperative Summary of the Day" archives.</p> <p>The 2012 Annual Publications were reproduced on 6/05/13 to correct two problems that occurred when the Publications were first produced on 02/28/13.</p> <ol style="list-style-type: none"> 1) A small number of stations did not correctly show number of days with thunderstorms and heavy fog. 2) Climate Normals in the Annual Publications were based on a first edition of the 1981-2010 Normals release. With the release of Service Pack 1 (SP1) new normals for 83 stations are available and now included. Additional information on SP1 is available at: http://www1.ncdc.noaa.gov/pub/data/normals/1981-2010/status.txt. |
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2012 ASHEVILLE NORTH CAROLINA (KAVL)

The city of Asheville is located on both banks of the French Broad River, near the center of the French Broad Basin. Upstream from Asheville, the valley runs south for 18 miles and then curves toward the south-southwest. Downstream from the city, the valley is oriented toward the north-northwest. Two miles upstream from the principal section of Asheville, the Swannanoa River joins the French Broad from the east. The entire valley is known as the Asheville Plateau, having an average elevation near 2,200 feet above sea level, and is flanked by mountain ridges to the east and west, whose peaks range from 2,000 to 4,400 feet above the valley floor. At the Carolina-Tennessee border, about 25 miles north-northwest of Asheville, a relatively high ridge of mountains blocks the northern end of the valley. Thirty miles south, the Blue Ridge Mountains form an escarpment, having a general elevation of about 2,700 feet above sea level. The tallest peaks near Asheville are Mt. Mitchell, 6,684 feet above sea level, 20 miles northeast of the city, and Big Pisgah Mountain, 5,721 feet above sea level, 16 miles to the southwest.

Asheville has a temperate, but invigorating, climate. Considerable variation in temperature often occurs from day to day in summer, as well as during the other seasons.

While the office was located in the city, the combination of roof exposure conditions and a smoke blanket, caused by inversions in temperature in the valley on quiet nights, resulted in higher early morning temperatures at City Office sites than were experienced nearer ground level in nearby rural areas. The growing season in this area is of sufficient length for commercial crops, the average length of freeze-free period being about 195 days. The average last occurrence in spring of a temperature 32 degrees or lower is mid-April and the average first occurrence in fall of 32 degrees is late October.

The orientation of the French Broad Valley appears to have a pronounced influence on the wind direction. Prevailing winds are from the northwest during all months of the year. Also, the shielding effect of the nearby mountain barriers apparently has a direct bearing on the annual amount of precipitation received in this vicinity. In an area northwest of Asheville, the average annual precipitation is the lowest in North Carolina. Precipitation increases sharply in all other directions, especially to the south and southwest.

Destructive events caused directly by meteorological conditions are infrequent. The most frequent, occurring at approximately 12-year intervals, are floods on the French Broad River. These floods are usually associated with heavy rains caused by storms moving out of the Gulf of Mexico. Snowstorms which have seriously disrupted normal life in this community are infrequent. Hailstorms that cause property damage are extremely rare.

Station History

ASHEVILLE, NC

| NAME | Begin Date | End Date | Latitude | Longitude | Elevation Feet | Relocation | Platform |
|-----------------------------|------------|------------|----------|-----------|----------------|------------|-------------------|
| ASHEVILLE HENDERSONVILLE AP | 1940-11-01 | 1942-05-31 | 35° 25' | -82° 28' | | | AIRWAYS |
| ASHEVILLE AP | 1964-09-01 | 1980-07-01 | 35° 25' | -82° 33' | 2140 | | COOP, WXSVC |
| ASHEVILLE REGIONAL AP | 1980-07-01 | 1996-06-01 | 35° 25' | -82° 33' | 2140 | | COOP, WXSVC |
| ASHEVILLE HENDERSONVILLE AP | 1956-01-01 | 1959-04-30 | 35° 25' | -82° 28' | 2093 | | AIRWAYS, COOP |
| ASHEVILLE REGIONAL AP | 2011-04-15 | Present | 35° 25' | -82° 32' | 2117 | | ASOS, COOP, WXSVC |
| ASHEVILLE HENDERSONVILLE AP | 1959-04-30 | 1960-12-31 | 35° 25' | -82° 28' | | | AIRWAYS |
| ASHEVILLE REGIONAL AP | 1996-06-01 | 2011-04-15 | 35° 25' | -82° 32' | 2117 | 500 YD S | ASOS, COOP, WXSVC |
| ASHEVILLE HENDERSONVILLE AP | 1948-08-01 | 1956-01-01 | 35° 25' | -82° 28' | 2100 | | AIRWAYS, COOP |
| ASHEVILLE HENDERSONVILLE AP | 1946-01-01 | 1948-08-01 | 35° 25' | -82° 28' | | | AIRWAYS |

Element History

| Element | Begin Date | End Date | Frequency | Time Of Observation | Equipment * | Equipment * Modifications | Equipment Exposure |
|---------|------------|------------|-----------|---------------------|-------------|---------------------------|--------------------|
| TEMP | 1964-09-01 | 1975-06-01 | DAILY | 2400 | | | |
| PRECIP | 1975-06-01 | 1990-01-06 | HOURLY | 2400 | | | |
| TEMP | 1975-06-01 | 1990-01-06 | DAILY | 2400 | | | |
| PRECIP | 1990-01-06 | 1995-07-01 | HOURLY | 2400 | | | |
| TEMP | 1990-01-06 | 1995-07-01 | DAILY | 2400 | MXMN | | |
| PRECIP | 1995-07-01 | 1996-06-01 | HOURLY | | UNIV | RCRD | |
| PRECIP | 1964-09-01 | 1975-06-01 | DAILY | 2400 | | | |
| PRECIP | 1996-06-01 | Present | DAILY | 2400 | PCPN1 | | |
| TEMP | 1996-06-01 | Present | DAILY | 2400 | HYGR | | |
| PRECIP | 1975-06-01 | 1990-01-06 | DAILY | 2400 | | | |
| PRECIP | 1995-07-01 | 1996-06-01 | DAILY | 2400 | UNIV | RCRD | |
| PRECIP | 1996-06-01 | Present | HOURLY | 2400 | AWPAG | RCRD;HTD | |
| PRECIP | 1990-01-06 | 1995-07-01 | DAILY | 2400 | UNIV | RCRD | |
| TEMP | 1995-07-01 | 1996-06-01 | DAILY | 2400 | MXMN | | |

* For explanation of codes and abbreviations see Station Metadata link below.

Other Station Information can be found at:

ASOS Implementation by NWS: <http://www.nws.noaa.gov/ops2/Surface/asosimplementation.htm>

Station Metadata website: <http://www.ncdc.noaa.gov/homr>

INQUIRES/COMMENTS CALL: (828) 271-4800, option 2

Fax Number : (828) 271-4876

TDD : (828) 271-4010

Email : ncdc.orders@noaa.gov

NOAA/National Climatic Data Center

Attn: User Engagement & Services Branch

151 Patton Avenue

Asheville, NC 28801-5001

Visit our Web Site for other weather data: www.ncdc.noaa.gov