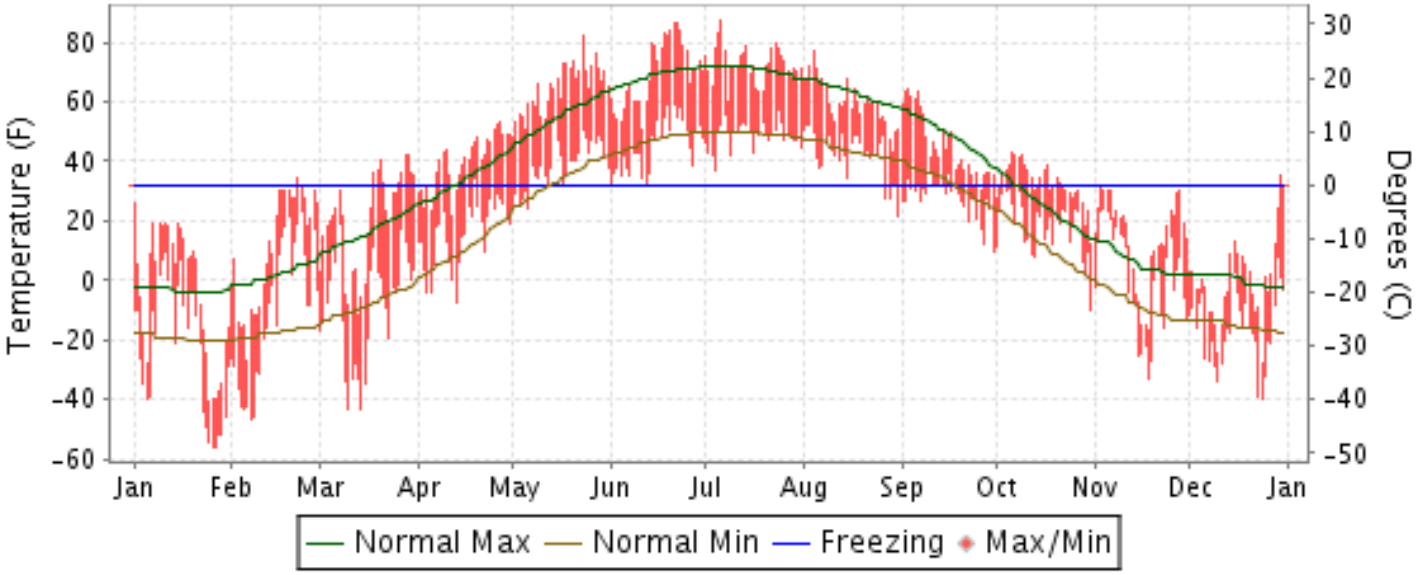
# 2015
# LOCAL CLIMATOLOGICAL DATA
# ANNUAL SUMMARY WITH COMPARATIVE DATA

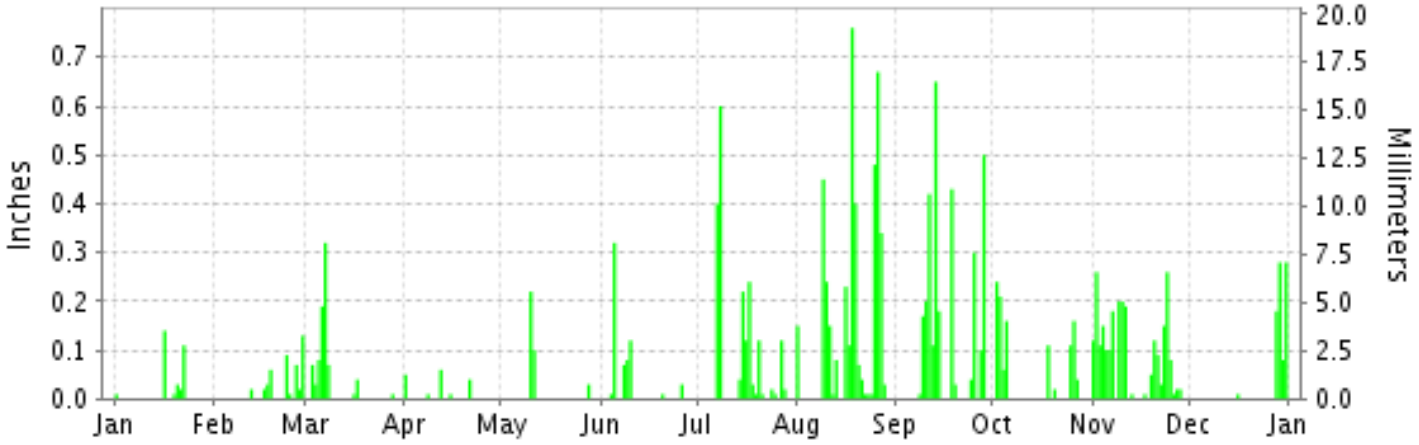
ISSN 0197-9647

## BETTLES,
## ALASKA (PABT)

### 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.

Thomas R. Karl

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CENTERS for ENVIRONMENTAL INFORMATION (NCEI) ASHEVILLE, NORTH CAROLINA

DIRECTOR NCEI

# METEOROLOGICAL DATA FOR 2015
## BETTLES (PABT)

**LATITUDE:** 66° 32'N **LONGITUDE:** 151° 18'W **ELEVATION (FT):** GRND: 643 BARO: 652 **TIME ZONE:** ALASKA (UTC -9) **WBAN:** 26533

| | ELEMENT | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEMPERATURE °F | MEAN DAILY MAXIMUM | -3.0 | 10.9 | 20.6 | 39.6 | 64.5 | 69.7 | 72.6 | 59.8 | 45.5 | 32.5 | 14.3 | 0.3 | 35.6 |
| | HIGHEST DAILY MAXIMUM | 26 | 34 | 42 | 53 | 82 | 86 | 87 | 77 | 64 | 43 | 31 | 35 | 87 |
| | DATE OF OCCURRENCE | 01 | 22 | 29+ | 27 | 23 | 22+ | 06 | 04 | 03 | 06 | 03 | 30 | JUL 06 |
| | MEAN DAILY MINIMUM | -22.2 | -10.8 | -8.5 | 15.6 | 38.7 | 45.4 | 48.9 | 42.4 | 27.7 | 17.8 | 0.5 | -16.3 | 14.9 |
| | LOWEST DAILY MINIMUM | -56 | -47 | -43 | -7 | 24 | 32 | 37 | 22 | 10 | -10 | -33 | -40 | -56 |
| | DATE OF OCCURRENCE | 27+ | 07 | 14+ | 13 | 06 | 12+ | 04 | 31 | 30 | 31 | 18 | 24 | JAN 27+ |
| | AVERAGE DRY BULB | -12.6 | 0.0 | 6.1 | 27.6 | 51.6 | 57.5 | 60.8 | 51.1 | 36.6 | 25.2 | 7.4 | -8.0 | 25.3 |
| | MEAN WET BULB | | | 8.4 | 25.5 | 44.5 | 48.5 | 52.8 | 46.9 | 33.5 | 23.9 | 7.8 | -4.9 | |
| | MEAN DEW POINT | | | 1.6 | 15.7 | 33.4 | 38.0 | 45.8 | 42.4 | 28.4 | 19.2 | 4.7 | -9.4 | |
| | NUMBER OF DAYS WITH: | | | | | | | | | | | | | |
| | MAXIMUM >= 70 | 0 | 0 | 0 | 0 | 11 | 16 | 24 | 3 | 0 | 0 | 0 | 0 | 54 |
| | MAXIMUM <= 32° | 31 | 27 | 21 | 8 | 0 | 0 | 0 | 0 | 2 | 16 | 30 | 30 | 165 |
| | MINIMUM <= 32° | 31 | 28 | 31 | 29 | 7 | 2 | 0 | 4 | 24 | 31 | 30 | 31 | 248 |
| | MINIMUM <= 0° | 27 | 18 | 20 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 15 | 28 | 113 |
| H/C | HEATING DEGREE DAYS | 2396 | 1812 | 1819 | 1113 | 409 | 251 | 136 | 424 | 843 | 1226 | 1717 | 2258 | 14404 |
| | COOLING DEGREE DAYS | 0 | 0 | 0 | 0 | 2 | 35 | 14 | 0 | 0 | 0 | 0 | 0 | 51 |
| RH | MEAN (PERCENT) | 78 | 79 | 68 | 56 | 50 | 50 | 61 | 74 | 74 | 77 | 83 | 77 | 69 |
| | HOUR 03 LST | 79 | 80 | 75 | 66 | 69 | 69 | 79 | 85 | 82 | 80 | 84 | 76 | 77 |
| | HOUR 09 LST | 78 | 81 | 74 | 58 | 51 | 52 | 61 | 79 | 78 | 82 | 85 | 78 | 71 |
| | HOUR 15 LST | 77 | 75 | 56 | 45 | 36 | 35 | 47 | 60 | 61 | 69 | 83 | 78 | 60 |
| | HOUR 21 LST | 76 | 78 | 71 | 54 | 41 | 43 | 55 | 72 | 77 | 75 | 82 | 77 | 67 |
| W/O | NUMBER OF DAYS WITH: | | | | | | | | | | | | | |
| | HEAVY FOG(VISBY <= 1/4 MI) | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 10 |
| | THUNDERSTORMS | 0 | 0 | 0 | 0 | 0 | 5 | 9 | 0 | 0 | 0 | 0 | 0 | 14 |
| PR | MEAN STATION PRESS. (IN.) | 29.36 | 29.41 | 29.19 | 29.00 | 29.29 | 29.18 | 29.12 | 29.13 | 29.05 | 29.10 | 28.95 | 28.93 | 29.14 |
| | MEAN SEA-LEVEL PRESS. (IN.) | 30.14 | 30.18 | 29.95 | 29.73 | 30.00 | 29.88 | 29.84 | 29.85 | 29.77 | 29.84 | 29.70 | 29.70 | 29.88 |
| WINDS | RESULTANT SPEED (MPH) | 1.5 | 1.7 | 2.3 | 3.3 | 0.8 | 1.4 | 0.5 | 1.9 | 2.5 | 3.2 | 3.5 | 4.9 | 1.6 |
| | RES. DIR. (TENS OF DEGS.) | 36 | 36 | 36 | 04 | 03 | 21 | 21 | 21 | 02 | 01 | 01 | 35 | 01 |
| | MEAN SPEED (MPH) | 2.7 | 3.5 | 4.9 | 6.2 | 5.1 | 5.3 | 4.1 | 4.4 | 4.7 | 4.2 | 4.8 | 5.5 | 4.6 |
| | PREVAIL.DIR.(TENS OF DEGS.) | 34 | 33 | 33 | 05 | 01 | 23 | 01 | 21 | 04 | 01 | 02 | 34 | 34 |
| | MAXIMUM 2-MINUTE WIND | | | | | | | | | | | | | |
| | SPEED (MPH) | 15 | 29 | 21 | 25 | 26 | 21 | 22 | 20 | 18 | 25 | 22 | 20 | 29 |
| | DIR. (TENS OF DEGS.) | 04 | 24 | 23 | 04 | 03 | 25 | 26 | 33 | 24 | 04 | 04 | 02 | 24 |
| | DATE OF OCCURRENCE | 07 | 28 | 08 | 19 | 31 | 15 | 31 | 27 | 30 | 08 | 27 | 19 | FEB 28 |
| | MAXIMUM 3-SECOND WIND: | | | | | | | | | | | | | |
| | SPEED (MPH) | 23 | 39 | 30 | 35 | 37 | 29 | 27 | 33 | 30 | 40 | 35 | 29 | 40 |
| | DIR. (TENS OF DEGS.) | 04 | 24 | 23 | 03 | 02 | 22 | 26 | 34 | 06 | 05 | 03 | 07 | 05 |
| | DATE OF OCCURRENCE | 07 | 28 | 08 | 19 | 31 | 15 | 31 | 27 | 16 | 08 | 27 | 30 | OCT 08 |
| PRECIPITATION | WATER EQUIVALENT: | 0.32 | 0.45 | 0.82 | 0.17 | 0.35 | 0.64 | 1.96 | 4.24 | 3.14 | 1.11 | 2.46 | 0.83 | 16.49 |
| | TOTAL (IN.) | 0.14 | 0.13 | 0.32 | 0.06 | 0.22 | 0.32 | 0.61 | 0.99 | 0.65 | 0.24 | 0.26 | 0.28 | 0.99 |
| | GREATEST 24-HOUR (IN.) | 16 | 28 | 07 | 12 | 10 | 05 | 07-08 | 26-27 | 13 | 02 | 24+ | 29 | AUG 26-27 |
| | DATE OF OCCURRENCE | | | | | | | | | | | | | |
| | NUMBER OF DAYS WITH: | 6 | 9 | 9 | 5 | 3 | 7 | 14 | 19 | 13 | 9 | 22 | 5 | 121 |
| | PRECIPITATION 0.01 | 2 | 1 | 2 | 0 | 2 | 2 | 7 | 11 | 10 | 6 | 13 | 3 | 59 |
| | PRECIPITATION 0.10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | PRECIPITATION 1.00 | | | | | | | | | | | | | |
| SNOWFALL | SNOW,ICE PELLETS,HAIL | 6.1 | 8.8 | 17.5 | 2.7 | T | T | T | 0.0 | 13.1 | 8.1 | 50.6 | 12.1 | 119.0 |
| | TOTAL (IN.) | 2.0 | 1.5 | 6.8 | 0.8 | T | T | T | 0.0 | 5.8 | 2.8 | 5.2 | 4.0 | 6.8 |
| | GREATEST 24-HOUR (IN.) | 22 | 28+ | 07 | 01 | 01 | 04 | 16 | | 18 | 02 | 10 | 29 | MAR 07 |
| | DATE OF OCCURRENCE | 19 | 21 | 29 | 23 | 6 | 0 | 0 | 0 | 5 | 5 | 24 | 24 | 29 |
| | MAXIMUM SNOW DEPTH (IN.) | 22 | 28 | 10+ | 03+ | 01 | | | | 18 | 29+ | 26+ | 31+ | MAR 10+ |
| | DATE OF OCCURRENCE | | | | | | | | | | | | | |
| | NUMBER OF DAYS WITH: | 3 | 4 | 6 | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 16 | 3 | 39 |
| | SNOWFALL >= 1.0 | | | | | | | | | | | | | |

# NORMALS, MEANS, AND EXTREMES
## BETTLES (PABT)

**LATITUDE:** 66° 32'N **LONGITUDE:** 151° 18'W **ELEVATION (FT):** GRND: 643 BARO: 652 **TIME ZONE:** ALASKA (UTC -9) **WBAN:** 26533

| | ELEMENT | POR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | YEAR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEMPERATURE °F | NORMAL DAILY MAXIMUM | 30 | -2.2 | 4.5 | 16.7 | 34.3 | 54.6 | 69.3 | 69.8 | 62.1 | 48.9 | 25.6 | 6.0 | 1.9 | 32.6 |
| | MEAN DAILY MAXIMUM | 64 | -4.1 | 2.4 | 14.7 | 33.1 | 53.7 | 68.0 | 69.3 | 62.4 | 48.8 | 25.9 | 6.2 | -1.0 | 31.6 |
| | HIGHEST DAILY MAXIMUM | 65 | 41 | 40 | 49 | 66 | 86 | 92 | 93 | 88 | 79 | 57 | 45 | 38 | 93 |
| | YEAR OF OCCURRENCE | | 2009 | 1977 | 1998 | 2010 | 1983 | 1999 | 1986 | 1994 | 1957 | 2003 | 1976 | 1960 | JUL 1986 |
| | MEAN OF EXTREME MAXS. | 64 | 25.2 | 26.2 | 34.4 | 49.5 | 71.3 | 81.1 | 83.4 | 76.8 | 63.6 | 42.7 | 28.3 | 24.6 | 50.6 |
| | NORMAL DAILY MINIMUM | 30 | -17.9 | -14.5 | -8.0 | 12.3 | 34.2 | 47.6 | 49.6 | 42.9 | 32.3 | 12.1 | -8.1 | -13.4 | 14.1 |
| | MEAN DAILY MINIMUM | 64 | -20.0 | -16.3 | -9.3 | 10.5 | 33.6 | 46.6 | 48.8 | 43.2 | 32.2 | 12.6 | -7.9 | -16.3 | 13.1 |
| | LOWEST DAILY MINIMUM | 65 | -70 | -64 | -56 | -37 | -10 | 27 | 29 | 15 | 0 | -35 | -57 | -59 | -70 |
| | YEAR OF OCCURRENCE | | 1975 | 1999 | 1964 | 1986 | 1952 | 1960 | 1955 | 2013 | 2010 | 1992 | 1974 | 1974 | JAN 1975 |
| | MEAN OF EXTREME MINS. | 64 | -49.6 | -44.2 | -34.4 | -15.4 | 18.1 | 35.0 | 38.0 | 29.9 | 16.5 | -10.8 | -33.1 | -44.4 | -7.8 |
| | NORMAL DRY BULB | 30 | -10.0 | -5.0 | 4.4 | 23.3 | 44.4 | 58.5 | 59.7 | 52.5 | 40.6 | 18.9 | -1.0 | -5.7 | 23.4 |
| | MEAN DRY BULB | 64 | -11.8 | -6.9 | 2.8 | 21.8 | 43.6 | 57.7 | 59.1 | 52.8 | 40.5 | 19.3 | -0.7 | -8.6 | 22.5 |
| | MEAN WET BULB | 22 | 2.6 | 2.2 | 6.8 | 20.4 | 36.2 | 48.3 | 51.2 | 47.0 | 36.8 | 21.9 | 3.4 | 2.9 | 23.3 |
| | MEAN DEW POINT | 22 | -3.1 | -3.5 | 2.7 | 17.3 | 33.4 | 44.9 | 48.5 | 44.8 | 34.8 | 19.7 | -0.3 | -1.0 | 19.9 |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| | MAXIMUM >= 70 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 |
| | MAXIMUM <= 32 | 30 | 30.3 | 27.3 | 27.6 | 11.3 | 0.4 | 0.0 | 0.0 | 0.0 | 0.7 | 21.5 | 29.4 | 30.8 | 179.3 |
| | MINIMUM <= 32 | 30 | 31.0 | 28.0 | 31.0 | 28.3 | 12.7 | 0.2 | 0.1 | 1.9 | 13.5 | 29.9 | 30.0 | 31.0 | 237.6 |
| | MINIMUM <= 0 | 30 | 24.3 | 21.3 | 22.0 | 6.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 6.4 | 20.5 | 24.3 | 125.1 |
| H/C | NORMAL HEATING DEG. DAYS | 30 | 2326 | 1960 | 1880 | 1251 | 640 | 212 | 182 | 390 | 732 | 1431 | 1981 | 2193 | 15178 |
| | NORMAL COOLING DEG. DAYS | 30 | 0 | 0 | 0 | 0 | 1 | 15 | 18 | 2 | 0 | 0 | 0 | 0 | 36 |
| RH | NORMAL (PERCENT) | 30 | | | | | | | | 76 | 76 | | | | |
| | HOUR 03 LST | 30 | | | | | | | | 90 | 85 | | | | |
| | HOUR 09 LST | 30 | | | 70 | 64 | 59 | 59 | 69 | 79 | 79 | 80 | 75 | 77 | |
| | HOUR 15 LST | 30 | | 68 | 60 | 56 | 46 | 44 | 52 | 61 | 62 | 73 | 74 | 75 | |
| | HOUR 21 LST | 30 | | | 69 | | | | | 75 | 79 | | 76 | | |
| S | PERCENT POSSIBLE SUNSHINE | | | | | | | | | | | | | | |
| W/O | MEAN NO. DAYS WITH: | | | | | | | | | | | | | | |
| | HEAVY FOG(VISBY <= 1/4 MI) | 50 | 1.3 | 0.5 | 0.2 | 0.4 | 0.3 | 0.2 | 0.8 | 1.3 | 1.0 | 0.7 | 0.6 | 0.4 | 7.7 |
| | THUNDERSTORMS | 62 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 3.1 | 3.0 | 0.5 | 0.1 | 0.0 | 0.0 | 0.0 | 7.3 |
| CLOUDINESS | MEAN: | | | | | | | | | | | | | | |
| | SUNRISE-SUNSET (OKTAS) | 5 | 3.8 | 4.6 | 4.9 | 4.8 | 5.0 | 5.3 | 4.9 | 5.1 | 4.3 | 4.9 | 3.8 | 4.1 | 4.6 |
| | MIDNIGHT-MIDNIGHT (OKTAS) | 5 | 2.7 | 1.5 | 2.4 | 2.7 | 4.0 | 3.7 | 4.3 | 4.4 | 4.3 | 4.8 | 3.3 | 3.1 | 3.4 |
| | MEAN NO. DAYS WITH: | | | | | | | | | | | | | | |
| | CLEAR | 5 | 14.8 | 9.8 | 9.4 | 7.2 | 6.8 | 3.8 | 1.7 | 1.8 | 5.5 | 3.8 | 7.8 | 7.5 | 79.9 |
| | PARTLY CLOUDY | 5 | 5.2 | 4.2 | 5.4 | 9.8 | 11.0 | 13.4 | 8.2 | 6.8 | 5.8 | 4.8 | 5.2 | 5.5 | 85.3 |
| | CLOUDY | 5 | 11.0 | 14.0 | 16.2 | 13.0 | 13.2 | 12.8 | 16.0 | 17.2 | 13.7 | 17.2 | 12.0 | 12.8 | 169.1 |
| PR | MEAN STATION PRESSURE(IN) | 32 | 29.18 | 29.24 | 29.23 | 29.19 | 29.18 | 29.14 | 29.15 | 29.16 | 29.11 | 29.10 | 29.14 | 29.11 | 29.16 |
| | MEAN SEA-LEVEL PRES. (IN) | 32 | 29.95 | 30.00 | 30.00 | 29.93 | 29.91 | 29.86 | 29.89 | 29.87 | 29.82 | 29.85 | 29.90 | 29.87 | 29.90 |
| WINDS | MEAN SPEED (MPH) | 32 | 4.8 | 5.0 | 5.9 | 6.5 | 6.4 | 5.8 | 5.6 | 5.2 | 5.5 | 5.5 | 4.9 | 4.9 | 5.5 |
| | PREVAIL.DIR(TENS OF DEGS) | 32 | 34 | 34 | 33 | 02 | 01 | 23 | 23 | 15 | 02 | 36 | 34 | 34 | 34 |
| | MAXIMUM 2-MINUTE: | | | | | | | | | | | | | | |
| | SPEED (MPH) | 15 | 28 | 29 | 29 | 28 | 26 | 29 | 30 | 23 | 24 | 25 | 28 | 25 | 30 |
| | DIR. (TENS OF DEGS) | | 21 | 24 | 05 | 23 | 03 | 27 | 24 | 25 | 25 | 04 | 05 | 07 | 24 |
| | YEAR OF OCCURRENCE | | 2008 | 2015 | 2005 | 2002 | 2015 | 2003 | 2002 | 2012 | 2014 | 2015 | 2013 | 2008 | JUL 2002 |
| | MAXIMUM 3-SECOND | | | | | | | | | | | | | | |
| | SPEED (MPH) | 16 | 40 | 44 | 48 | 38 | 37 | 45 | 43 | 36 | 33 | 40 | 44 | 48 | 48 |
| | DIR. (TENS OF DEGS) | | 05 | 05 | 05 | 04 | 02 | 26 | 25 | 36 | 25 | 05 | 06 | 07 | 07 |
| | YEAR OF OCCURRENCE | | 2004 | 2004 | 2005 | 2000 | 2015 | 2003 | 2002 | 2000 | 2014 | 2015 | 2014 | 2008 | DEC 2008 |
| PRECIPITATION | NORMAL (IN) | 30 | 0.81 | 0.85 | 0.58 | 0.60 | 0.88 | 1.40 | 2.36 | 2.64 | 1.91 | 1.04 | 0.91 | 0.92 | 14.90 |
| | MAXIMUM MONTHLY (IN) | 65 | 3.42 | 3.21 | 3.60 | 3.08 | 3.01 | 3.59 | 5.42 | 9.16 | 4.80 | 3.82 | 3.85 | 3.41 | 9.16 |
| | YEAR OF OCCURRENCE | | 1973 | 2003 | 1963 | 2002 | 1998 | 1965 | 1963 | 1994 | 2002 | 1972 | 1967 | 2011 | AUG 1994 |
| | MINIMUM MONTHLY (IN) | 65 | T | T | T | 0.01 | 0.04 | T | 0.00 | 0.41 | 0.13 | 0.12 | 0.00 | 0.12 | 0.00 |
| | YEAR OF OCCURRENCE | | 1961 | 1979 | 1960 | 1986 | 1959 | 1959 | 1959 | 1958 | 1984 | 1974 | 2012 | 1995 | NOV 2012 |
| | MAXIMUM IN 24 HOURS (IN) | 65 | 1.40 | 1.03 | 0.87 | 0.98 | 1.02 | 1.93 | 1.69 | 2.96 | 1.31 | 1.32 | 1.35 | 1.59 | 2.96 |
| | YEAR OF OCCURRENCE | | 1973 | 1996 | 1963 | 1982 | 1995 | 1958 | 2007 | 1994 | 1954 | 1972 | 1992 | 2011 | AUG 1994 |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| | PRECIPITATION >= 0.01 | 30 | 9.0 | 9.0 | 7.3 | 6.4 | 8.3 | 10.8 | 13.5 | 14.6 | 12.2 | 12.0 | 10.6 | 11.4 | 125.1 |
| | PRECIPITATION >= 1.00 | 30 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 |
| SNOWFALL | NORMAL (IN) | 30 | 13.9 | 14.0 | 9.3 | 6.3 | 1.3 | 0.0 | 0.0 | 0.0 | 2.5 | 12.4 | 16.1 | 15.6 | 91.4 |
| | MAXIMUM MONTHLY (IN) | 65 | 55.8 | 41.7 | 35.2 | 34.7 | 12.3 | T | T | 2.6 | 19.2 | 28.3 | 50.6 | 45.5 | 55.8 |
| | YEAR OF OCCURRENCE | | 1973 | 2011 | 1991 | 1984 | 2001 | 2015 | 2015 | 1969 | 1996 | 1972 | 2015 | 2011 | JAN 1973 |
| | MAXIMUM IN 24 HOURS (IN) | 65 | 21.7 | 11.6 | 10.6 | 10.8 | 6.7 | T | T | 2.6 | 5.8 | 10.8 | 19.0 | 11.4 | 21.7 |
| | YEAR OF OCCURRENCE' | | 1973 | 2011 | 1991 | 1975 | 1952 | 2015 | 2015 | 1969 | 2015 | 1976 | 1994 | 2003 | JAN 1973 |
| | MAXIMUM SNOW DEPTH (IN) | 63 | 71 | 61 | 73 | 86 | 50 | 0 | 0 | 2 | 9 | 22 | 42 | 59 | 86 |
| | YEAR OF OCCURRENCE | | 1973 | 1968 | 1963 | 1963 | 1963 | | | 1969 | 1968 | 1994 | 1994 | 1994 | APR 1963 |
| | NORMAL NO. DAYS WITH: | | | | | | | | | | | | | | |
| | SNOWFALL >= 1.0 | 30 | 3.8 | 4.2 | 3.1 | 1.8 | 0.5 | 0.0 | 0.0 | 0.0 | 0.9 | 4.2 | 4.7 | 5.4 | 28.6 |

## PRECIPITATION (inches) 2015 BETTLES (PABT)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1986 | 0.34 | 0.29 | 0.16 | 0.01 | 0.73 | 2.62 | 1.35 | 2.12 | 2.47 | 1.46 | 0.41 | 1.06 | 13.02 |
| 1987 | 0.65 | 0.30 | 0.04 | 0.10 | 1.02 | 2.28 | 2.17 | 1.52 | 3.20 | 1.61 | 0.51 | 1.46 | 14.86 |
| 1988 | 1.28 | 0.59 | 0.16 | 0.28 | 0.91 | 0.58 | 1.44 | 3.61 | 1.50 | 1.05 | 0.45 | 1.15 | 13.00 |
| 1989 | 0.66 | 2.24 | 0.08 | 1.26 | 1.44 | 1.26 | 2.00 | 3.57 | 1.01 | 0.99 | 0.50 | 1.01 | 16.02 |
| 1990 | 0.39 | 0.59 | 1.89 | 0.32 | 0.68 | 1.39 | 1.80 | 1.54 | 2.38 | 1.03 | 0.53 | 1.01 | 13.55 |
| 1991 | 1.61 | 0.42 | 2.25 | 0.44 | 2.23 | 0.63 | 1.51 | 0.83 | 1.00 | 1.16 | 0.22 | 0.66 | 12.96 |
| 1992 | 0.50 | 0.81 | 0.51 | 0.25 | 0.22 | 3.11 | 2.86 | 2.58 | 0.59 | 0.97 | 3.36 | 3.09 | 18.85 |
| 1993 | 3.20 | 0.49 | 1.15 | 0.06 | 0.83 | 1.36 | 1.53 | 2.59 | 4.72 | 1.28 | 1.91 | 0.88 | 20.00 |
| 1994 | 0.75 | 0.33 | 1.35 | 0.28 | 0.89 | 0.92 | 1.88 | 9.16 | 0.33 | 1.38 | 1.41 | 1.21 | 19.89 |
| 1995 | 0.24 | 0.13 | 0.52 | 0.24 | 2.20 | 1.42 | 1.26 | 2.64 | 1.88 | 0.96 | 0.02 | 0.12 | 11.63 |
| 1996 | 0.21 | 2.77 | 0.38 | 0.11 | 0.33 | 0.96 | 2.31 | 2.40 | 1.28 | .58 | .60 | .78 | 12.71 |
| 1997 | 0.30 | 0.83 | T | 0.07 | 0.22 | 0.85 | 1.88 | 2.23 | 2.34 | 0.92 | 0.95 | 0.77 | 11.36 |
| 1998 | 0.23 | 0.29 | 0.07 | 0.60 | 3.01 | 1.43 | 3.52 | 4.66 | 1.85 | 0.50 | 0.60 | 0.78 | 17.54 |
| 1999 | 1.49 | 0.43 | 0.44 | 0.17 | 0.63 | 0.74 | 3.20 | 2.41 | 1.52 | 0.56 | 0.36 | 0.71 | 12.66 |
| 2000 | 2.55 | 0.65 | 0.62 | 0.23 | 0.40 | 1.05 | 3.73 | 2.00 | 2.60 | 0.78 | 1.72 | 0.47 | 16.80 |
| 2001 | 0.51 | 0.86 | 0.33 | 0.55 | 1.30 | 1.37 | 1.62 | 2.63 | 1.08 | 1.63 | 0.68 | 0.47 | 13.03 |
| 2002 | 1.25 | 0.48 | 0.16 | 3.08 | 0.73 | 1.55 | 1.46 | 1.34 | 4.80 | 0.88 | 0.43 | 0.84 | 17.00 |
| 2003 | 0.18 | 3.21 | 1.22 | 0.47 | 0.94 | 1.11 | 2.33 | 3.98 | 1.72 | 1.65 | 2.59 | 0.95 | 20.35 |
| 2004 | 0.15 | 0.69 | 0.39 | 0.34 | 1.65 | 0.90 | 0.97 | 0.86 | 2.24 | 1.46 | 1.20 | 1.68 | 12.53 |
| 2005 | 1.46 | 1.22 | 0.70 | 0.89 | 1.44 | 1.49 | 3.12 | 1.59 | 2.79 | 1.19 | 0.63 | 1.37 | 17.89 |
| 2006 | 0.04 | 1.94 | 0.24 | 0.63 | 0.21 | 2.35 | 3.73 | 3.40 | 0.90 | 1.94 | 0.11 | 0.76 | 16.25 |
| 2007 | 0.99 | 0.01 | 0.04 | 0.23 | 0.25 | 2.01 | 3.87 | 1.97 | 1.59 | 1.00 | 0.85 | 0.76 | 13.57 |
| 2008 | 0.90 | 0.86 | 0.87 | 1.81 | 0.59 | 2.62 | 1.93 | 1.27 | 0.91 | 1.27 | 1.33 | 0.68 | 15.04 |
| 2009 | 1.29 | 2.47 | 0.48 | 1.65 | 0.21 | 1.37 | 0.95 | 2.00 | 1.02 | 0.20 | 0.80 | 1.21 | 13.65 |
| 2010 | 0.36 | 0.30 | 0.64 | 0.65 | 0.77 | 0.51 | 2.87 | 1.14 | 0.82 | 0.80 | 2.32 | 0.47 | 11.65 |
| 2011 | 0.32 | 2.19 | 0.18 | 0.17 | 0.74 | 3.29 | 2.80 | 2.92 | 1.87 | 1.34 | 0.42 | 3.41 | 19.65 |
| 2012 | 0.56 | 0.63 | 0.29 | 0.10 | 0.72 | 1.09 | 1.98 | 3.27 | 4.07 | 0.80 | 0.00 | 0.30 | 13.81 |
| 2013 | 1.86 | 0.35 | 0.68 | 0.38 | 0.06 | 0.77 | 1.77 | 1.23 | 1.84 | 3.03 | 2.83 | 0.55 | 15.35 |
| 2014 | 1.54 | 0.29 | 0.12 | 0.38 | 0.85 | 3.54 | 5.18 | 2.00 | 1.34 | 0.39 | 0.23 | 1.59 | 17.45 |
| 2015 | 0.32 | 0.45 | 0.82 | 0.17 | 0.35 | 0.64 | 1.96 | 4.24 | 3.14 | 1.11 | 2.46 | 0.83 | 16.49 |
| POR= 64 YRS | 0.80 | 0.76 | 0.62 | 0.58 | 0.68 | 1.43 | 2.06 | 2.51 | 1.84 | 1.13 | 0.95 | 0.90 | 14.26 |

WBAN : 26533

## AVERAGE TEMPERATURE (°F) 2015 BETTLES (PABT)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1986 | -5.5 | 0.3 | | 10.2 | 41.5 | 59.4 | 59.7 | 49.3 | 40.8 | 17.1 | -4.9 | 5.3 | |
| 1987 | -4.7 | -5.0 | 6.1 | 21.1 | 45.2 | 58.3 | 60.7 | 53.1 | 37.2 | 25.9 | 3.8 | -5.1 | 24.7 |
| 1988 | -5.1 | 0.0 | 8.5 | 25.9 | 47.6 | 59.3 | 61.9 | 52.9 | 40.2 | 9.3 | -5.3 | 0.5 | 24.6 |
| 1989 | -31.5 | 6.3 | 0.7 | 26.6 | 41.8 | 56.5 | 58.9 | 55.8 | 43.2 | 19.7 | -9.6 | 0.7 | 22.4 |
| 1990 | -16.6 | -29.4 | 11.1 | 29.3 | 51.0 | 59.1 | 62.5 | 57.2 | 38.7 | 18.2 | -12.9 | -14.5 | 21.1 |
| 1991 | -8.0 | -6.3 | 2.6 | 26.8 | 48.6 | 62.0 | 58.9 | 51.7 | 44.8 | 20.4 | -5.6 | -7.5 | 24.0 |
| 1992 | -4.7 | -12.3 | 9.7 | 19.5 | 34.0 | 59.9 | 62.9 | 52.8 | 29.3 | 13.7 | -0.2 | -13.2 | 21.0 |
| 1993 | -11.4 | -0.6 | 10.5 | 31.5 | 46.0 | 60.8 | 63.6 | 51.2 | 36.8 | 24.7 | 0.2 | 1.8 | 26.3 |
| 1994 | 0.7 | -8.3 | -0.9 | 24.1 | 47.8 | 55.1 | 62.3 | 54.0 | 39.4 | 18.1 | -12.1 | -10.3 | 22.5 |
| 1995 | -8.0 | -3.1 | -2.6 | 33.8 | 50.3 | 56.0 | 60.4 | 52.7 | 47.2 | 23.1 | -9.0 | -11.5 | 24.1 |
| 1996 | -20.1 | -9.7 | 7.4 | 21.4 | 43.3 | 56.8 | 58.4 | 47.2 | 37.5 | 8.0 | .6 | -9.0 | 20.2 |
| 1997 | -14.9 | 5.2 | -2.2 | 26.1 | 45.2 | 61.2 | 60.5 | 54.5 | 45.8 | 11.8 | 7.9 | -4.8 | 24.7 |
| 1998 | -13.1 | 0.6 | 14.7 | 34.1 | 45.8 | 55.7 | 61.8 | 50.3 | 42.1 | 23.8 | 4.0 | -5.2 | 26.2 |
| 1999 | -19.9 | -18.0 | 2.0 | 24.2 | 46.3 | 61.5 | 60.8 | 56.3 | 43.2 | 16.5 | -5.9 | -16.5 | 20.9 |
| 2000 | -13.8 | 5.8 | 9.9 | 21.7 | 37.5 | 59.6 | 56.4 | 48.8 | 37.7 | 15.2 | 7.3 | .4 | 23.9 |
| 2001 | 5.1 | 3.2 | 1.4 | 22.7 | 35.7 | 58.4 | 57.0 | 53.9 | 44.5 | 18.2 | .2 | -8.0 | 24.4 |
| 2002 | -2.4 | -3.5 | 7.7 | 15.3 | 43.8 | 54.9 | 57.6 | 49.1 | 43.2 | 24.3 | 15.6 | 2.4 | 25.7 |
| 2003 | -6.1 | 6.3 | 1.7 | 23.2 | 39.4 | 59.1 | 55.1 | 52.2 | 35.8 | 29.4 | -.7 | -9.6 | 23.8 |
| 2004 | -14.2 | -2.9 | -1.8 | 28.1 | 46.5 | 63.5 | 62.9 | 57.1 | 33.2 | 22.4 | 2.1 | -7.6 | 24.1 |
| 2005 | -13.6 | -4.0 | 11.0 | 21.2 | 49.7 | 60.8 | 59.1 | 53.9 | 42.9 | 22.3 | -9.1 | 3.9 | 24.8 |
| 2006 | -23.3 | 3.5 | -3.8 | 17.6 | 46.0 | 54.3 | 57.1 | 51.4 | 47.2 | 27.6 | -7.3 | -1.8 | 22.4 |
| 2007 | -3.5 | -9.9 | -11.0 | 32.8 | 47.3 | 60.0 | 64.0 | 57.1 | 44.5 | 18.6 | 12.9 | -5.5 | 25.6 |
| 2008 | -10.3 | -9.2 | 4.9 | 20.4 | 43.5 | 57.6 | 56.5 | 50.6 | 41.7 | 7.0 | 1.7 | -11.2 | 21.1 |
| 2009 | -15.7 | -5.1 | -1.3 | 20.7 | 45.0 | 57.3 | 62.0 | 50.0 | 43.0 | 25.5 | -8.9 | -4.9 | 22.3 |
| 2010 | -18.5 | -2.4 | 3.7 | 29.2 | 50.0 | 60.1 | 58.1 | 56.2 | 41.4 | 23.4 | 6.4 | -21.3 | 23.9 |
| 2011 | 1.9 | -10.0 | 3.6 | 18.6 | 46.5 | 57.5 | 58.0 | 52.3 | 44.5 | 25.4 | -9.4 | -1.6 | 23.9 |
| 2012 | -35.5 | 1.2 | -5.3 | 28.3 | 43.2 | 60.6 | 58.2 | 52.2 | 41.1 | 18.6 | -9.6 | -15.7 | 19.8 |
| 2013 | -3.9 | -5.9 | 1.2 | 11.6 | 36.3 | 61.1 | 59.0 | 52.6 | 39.0 | 31.2 | -1.9 | -10.2 | 22.5 |
| 2014 | 3.5 | -5.8 | 8.7 | 24.0 | 43.5 | 53.9 | 55.9 | 54.3 | 40.4 | 21.6 | 6.5 | 3.8 | 25.9 |
| 2015 | -12.6 | 0.0 | 6.1 | 27.6 | 51.6 | 57.5 | 60.8 | 51.1 | 36.6 | 25.2 | 7.4 | -8.0 | 25.3 |
| POR= 64 YRS | -11.8 | -6.9 | 2.8 | 21.8 | 43.6 | 57.7 | 59.1 | 52.8 | 40.5 | 19.3 | -0.7 | -8.6 | 22.4 |

## HEATING DEGREE DAYS (base 65°F) 2015 BETTLES (PABT)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1987-88 | 140 | 364 | 828 | 1206 | 1836 | 2174 | 2175 | 1888 | 1748 | 1169 | 532 | 176 | 14236 |
| 1988-89 | 118 | 370 | 738 | 1725 | 2113 | 1998 | 2996 | 1638 | 1993 | 1145 | 712 | 258 | 15804 |
| 1989-90 | 194 | 279 | 646 | 1398 | 2240 | 1994 | 2532 | 2649 | 1669 | 1064 | 436 | 198 | 15299 |
| 1990-91 | 115 | 241 | 784 | 1448 | 2341 | 2470 | 2268 | 1996 | 1935 | 1140 | 501 | 171 | 15410 |
| 1991-92 | 199 | 406 | 599 | 1373 | 2122 | 2249 | 2159 | 2246 | 1707 | 1358 | 955 | 167 | 15540 |
| 1992-93 | 82 | 372 | 1064 | 1586 | 1953 | 2431 | 2364 | 1834 | 1680 | 999 | 583 | 133 | 15081 |
| 1993-94 | 84 | 418 | 838 | 1240 | 1939 | 1959 | 1993 | 2055 | 2045 | 1217 | 530 | 304 | 14622 |
| 1994-95 | 120 | 355 | 759 | 1446 | 2316 | 2336 | 2268 | 1908 | 2097 | 931 | 453 | 260 | 15249 |
| 1995-96 | 149 | 379 | 528 | 1293 | 2226 | 2375 | 2640 | 2167 | 1780 | 1301 | 667 | 239 | 15744 |
| 1996-97 | 199 | 543 | 819 | 1764 | 1930 | 2288 | 2471 | 1669 | 2077 | 1163 | 604 | 141 | 15668 |
| 1997-98 | 148 | 322 | 568 | 1640 | 1709 | 2158 | 2413 | 1794 | 1554 | 921 | 589 | 276 | 14092 |
| 1998-99 | 116 | 447 | 681 | 1269 | 1823 | 2169 | 2623 | 2319 | 1949 | 1219 | 570 | 141 | 15326 |
| 1999-00 | 176 | 273 | 645 | 1498 | 2121 | 2515 | 2437 | 1712 | 1701 | 1290 | 842 | 159 | 15369 |
| 2000-01 | 269 | 493 | 813 | 1537 | 1724 | 1994 | 1852 | 1722 | 1965 | 1262 | 903 | 195 | 14729 |
| 2001-02 | 245 | 338 | 611 | 1444 | 1935 | 2255 | 2082 | 1915 | 1770 | 1482 | 651 | 296 | 15024 |
| 2002-03 | 237 | 486 | 645 | 1253 | 1474 | 1931 | 2196 | 1636 | 1955 | 1246 | 788 | 172 | 14019 |
| 2003-04 | 299 | 390 | 873 | 1093 | 1964 | 2307 | 2448 | 1962 | 2066 | 1101 | 567 | 64 | 15134 |
| 2004-05 | 84 | 250 | 948 | 1311 | 1882 | 2243 | 2430 | 1923 | 1668 | 1307 | 467 | 150 | 14663 |
| 2005-06 | 179 | 342 | 657 | 1319 | 2215 | 1886 | 2730 | 1717 | 2128 | 1414 | 584 | 318 | 15489 |
| 2006-07 | 238 | 413 | 524 | 1152 | 2165 | 2065 | 2118 | 2094 | 2351 | 956 | 542 | 152 | 14770 |
| 2007-08 | 60 | 238 | 607 | 1435 | 1558 | 2183 | 2332 | 2148 | 1855 | 1330 | 663 | 224 | 14633 |
| 2008-09 | 268 | 439 | 693 | 1789 | 1891 | 2360 | 2501 | 1959 | 2052 | 1324 | 611 | 225 | 16112 |
| 2009-10 | 104 | 461 | 654 | 1217 | 2214 | 2162 | 2585 | 1883 | 1889 | 1065 | 458 | 145 | 14837 |
| 2010-11 | 215 | 272 | 701 | 1283 | 1751 | 2671 | 2301 | 2092 | 1895 | 1383 | 573 | 217 | 15354 |
| 2011-12 | 218 | 388 | 608 | 1217 | 2223 | 2063 | 3113 | 1845 | 2169 | 1093 | 669 | 137 | 15743 |
| 2012-13 | 207 | 391 | 709 | 1433 | 2228 | 2495 | 2130 | 1975 | 1971 | 1596 | 883 | 151 | 16169 |
| 2013- | 178 | 385 | 774 | 1042 | 2001 | 2326 | | | | | | | |
| 2013-14 | 178 | 385 | 774 | 1042 | 2001 | 2326 | 1898 | 1975 | 1738 | 1226 | 658 | 324 | 14525 |
| 2014-15 | 284 | 324 | 731 | 1337 | 1747 | 1887 | 2396 | 1812 | 1819 | 1113 | 409 | 251 | 14110 |
| 2015- | 136 | 424 | 843 | 1226 | 1717 | 2258 | | | | | | | |

WBAN : 26533

## COOLING DEGREE DAYS (base 65°F) 2015 BETTLES (PABT)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1986 | 0 | 0 | | 0 | 0 | 10 | 46 | 0 | 0 | 0 | 0 | 0 | |
| 1987 | 0 | 0 | 0 | 0 | 0 | 34 | 13 | 0 | 0 | 0 | 0 | 0 | 47 |
| 1988 | 0 | 0 | 0 | 0 | 0 | 15 | 29 | 0 | 0 | 0 | 0 | 0 | 44 |
| 1989 | 0 | 0 | 0 | 0 | 0 | 8 | 10 | 2 | 0 | 0 | 0 | 0 | 20 |
| 1990 | 0 | 0 | 0 | 0 | 7 | 27 | 46 | 7 | 0 | 0 | 0 | 0 | 87 |
| 1991 | 0 | 0 | 0 | 0 | 0 | 88 | 18 | 0 | 0 | 0 | 0 | 0 | 106 |
| 1992 | 0 | 0 | 0 | 0 | 0 | 22 | 21 | 1 | 0 | 0 | 0 | 0 | 44 |
| 1993 | 0 | 0 | 0 | 0 | 0 | 12 | 46 | 0 | 0 | 0 | 0 | 0 | 58 |
| 1994 | 0 | 0 | 0 | 0 | 0 | 12 | 43 | 19 | 0 | 0 | 0 | 0 | 74 |
| 1995 | 0 | 0 | 0 | 0 | 7 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 20 |
| 1996 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| 1997 | 0 | 0 | 0 | 0 | 0 | 35 | 13 | 3 | 0 | 0 | 0 | 0 | 51 |
| 1998 | 0 | 0 | 0 | 0 | 0 | 5 | 22 | 0 | 0 | 0 | 0 | 0 | 27 |
| 1999 | 0 | 0 | 0 | 0 | 0 | 43 | 52 | 13 | 0 | 0 | 0 | 0 | 108 |
| 2000 | 0 | 0 | 0 | 0 | 0 | 4 | 11 | 0 | 0 | 0 | 0 | 0 | 15 |
| 2001 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 4 |
| 2002 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 16 |
| 2003 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 2004 | 0 | 0 | 0 | 0 | 0 | 24 | 24 | 12 | 0 | 0 | 0 | 0 | 60 |
| 2005 | 0 | 0 | 0 | 0 | 0 | 31 | 5 | 2 | 0 | 0 | 0 | 0 | 38 |
| 2006 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 4 |
| 2007 | 0 | 0 | 0 | 0 | 0 | 7 | 36 | 3 | 0 | 0 | 0 | 0 | 46 |
| 2008 | 0 | 0 | 0 | 0 | 0 | 9 | 11 | 0 | 0 | 0 | 0 | 0 | 20 |
| 2009 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 1 | 0 | 0 | 0 | 0 | 19 |
| 2010 | 0 | 0 | 0 | 0 | 0 | 5 | 9 | 7 | 0 | 0 | 0 | 0 | 21 |
| 2011 | 0 | 0 | 0 | 0 | 7 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 14 |
| 2012 | 0 | 0 | 0 | 0 | 0 | 11 | 1 | 0 | 0 | 0 | 0 | 0 | 12 |
| 2013 | 0 | 0 | 0 | 0 | 3 | 38 | 1 | 6 | 0 | 0 | 0 | 0 | 48 |
| 2014 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 8 |
| 2015 | 0 | 0 | 0 | 0 | 2 | 35 | 14 | 0 | 0 | 0 | 0 | 0 | 51 |

## SNOWFALL (inches) 2015 BETTLES (PABT)

| YEAR | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1987-88 | 0.0 | 0.0 | 2.0 | 19.6 | 9.6 | 40.2 | 18.2 | 13.5 | 6.3 | 2.8 | 2.6 | 0.0 | 114.8 |
| 1988-89 | 0.0 | 0.0 | 0.6 | 13.8 | 7.0 | 25.0 | 13.0 | 32.8 | 2.2 | 10.9 | 2.2 | 0.0 | 107.5 |
| 1989-90 | 0.0 | 0.0 | T | 8.2 | 10.8 | 18.0 | 10.8 | 7.1 | 31.0 | 3.3 | 0.0 | 0.0 | 89.2 |
| 1990-91 | 0.0 | 0.0 | 5.6 | 17.1 | 13.0 | 21.8 | 29.3 | 5.5 | 35.2 | 3.0 | T | 0.0 | 130.5 |
| 1991-92 | 0.0 | 0.0 | 0.0 | 6.2 | 4.1 | 11.0 | 8.2 | 11.6 | 7.9 | 4.0 | 3.3 | 0.0 | 56.3 |
| 1992-93 | 0.0 | 0.0 | 4.6 | 15.2 | 36.3 | 36.6 | 40.8 | 10.6 | 25.0 | 1.5 | T | 0.0 | 170.6 |
| 1993-94 | 0.0 | T | 8.9 | 12.4 | 27.9 | 20.4 | 15.7 | 5.9 | 18.3 | 3.4 | 0.3 | 0.0 | 113.2 |
| 1994-95 | 0.0 | T | 0.9 | 21.2 | 29.7 | 23.9 | 4.0 | 3.1 | 7.1 | T | T | 0.0 | 89.9 |
| 1995-96 | 0.0 | 0.0 | 0.0 | 8.7 | 1.1 | 2.0 | 3.2 | 31.7 | 6.2 | 1.8 | 1.6 | 0.0 | 56.3 |
| 1996-97 | 0.0 | 0.0 | 19.2 | 9.3 | 10.3 | 20.1 | 4.5 | 15.0 | T | 1.2 | T | 0.0 | 79.6 |
| 1997-98 | 0.0 | 0.0 | 0.0 | 11.6 | 15.8 | 15.2 | 3.3 | 7.6 | 1.0 | 2.8 | 1.7 | 0.0 | 59.0 |
| 1998-99 | 0.0 | T | 0.4 | 7.0 | 7.8 | 11.5 | 20.8 | 6.6 | 7.5 | 2.3 | 1.4 | 0.0 | 65.3 |
| 1999-00 | 0.0 | 0.0 | 1.1 | 12.0 | 9.4 | 13.1 | 34.7 | 13.1 | 10.1 | 3.2 | T | T | 96.7 |
| 2000-01 | T | 0.0 | 5.2 | 14.4 | 26.9 | 8.6 | 8.8 | 18.0 | 8.1 | 8.8 | 12.3 | T | 111.1 |
| 2001-02 | 0.0 | 0.0 | 2.1 | 20.4 | 14.5 | 5.9 | 28.8 | 8.7 | 2.1 | 16.2 | 0.8 | T | 99.5 |
| 2002-03 | T | 0.0 | 1.4 | 10.7 | 5.2 | 13.7 | 2.6 | 40.9 | 17.4 | 5.7 | 0.4 | 0.0 | 98.0 |
| 2003-04 | 0.0 | 0.0 | 0.3 | 8.0 | 35.9 | 21.3 | 2.6 | 18.6 | 7.1 | 3.1 | 1.2 | 0.0 | 98.1 |
| 2004-05 | 0.0 | 0.0 | 14.6 | 19.0 | 18.8 | 27.9 | 16.8 | 26.6 | 8.4 | 10.7 | 0.0 | T | 142.8 |
| 2005-06 | T | T | 0.3 | 18.2 | 15.5 | 19.3 | 0.9 | 21.1 | 4.8 | 8.4 | 0.0 | T | 88.5 |
| 2006-07 | 0.0 | 0.0 | T | 9.4 | 4.2 | 10.1 | 15.2 | 0.1 | 0.7 | 3.3 | T | 0.0 | 43.0 |
| 2007-08 | 0.0 | 0.0 | 3.0 | 13.4 | 17.7 | 9.3 | 12.8 | 13.9 | 9.2 | 15.7 | 2.0 | T | 97.0 |
| 2008-09 | 0.0 | 0.0 | 0.1 | 19.1 | 23.9 | 9.8 | 16.6 | 33.3 | 8.4 | 6.6 | 0.8 | 0.0 | 118.6 |
| 2009-10 | T | T | 1.6 | 2.5 | 27.3 | 16.4 | 3.3 | 4.2 | 9.0 | 6.7 | 0.8 | 0.0 | 71.8 |
| 2010-11 | 0.0 | 0.0 | T | 10.0 | 31.6 | 8.5 | 6.2 | 41.7 | 2.8 | 2.4 | 1.4 | 0.0 | 104.6 |
| 2011-12 | 0.0 | 0.0 | 1.0 | 20.3 | 7.7 | 45.5 | 6.9 | 10.8 | 3.7 | 1.3 | 0.3 | T | 97.5 |
| 2012-13 | 0.0 | 0.0 | 0.9 | 2.2 | 0.0 | 4.7 | 23.7 | 7.3 | 10.0 | 5.8 | 1.0 | 0.0 | 55.6 |
| 2013- | 0.0 | 0.0 | 7.5 | 12.4 | 37.8 | 5.4 | | | | | | | |
| 2013-14 | 0.0 | 0.0 | 7.5 | 12.4 | 37.8 | 5.4 | 23.0 | 4.8 | 2.3 | 1.6 | 0.2 | T | 95.0 |
| 2014-15 | 0.0 | 0.0 | 1.4 | 6.9 | 4.8 | 32.5 | 6.1 | 8.8 | 17.5 | 2.7 | T | T | 80.7 |
| 2015- | T | 0.0 | 13.1 | 8.1 | 50.6 | 12.1 | | | | | | | |
| POR= 64 YRS | T | T | 2.3 | 11.8 | 14.8 | 15.1 | 12.3 | 11.5 | 9.4 | 6.6 | 1.1 | T | 84.9 |

WBAN : 26533

## REFERENCE NOTES :

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).
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).
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.
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 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 EIGHTS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.
STATION HISTORY STOPPED WITH THE 2009 ANNUAL. IF YOU NEED SATION 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.

**NOTE:**

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.

# 2015
# BETTLES
# ALASKA (PABT)

Bettles Airport is located on the south side of and adjacent to the Koyukuk River. The foothills of the Endicott Mountains are found to the west, north, and east of the station. The Koyukuk River valley extends for about 20 miles to the south where it then curves to the southwest. Changes in elevation for a distance of about 15 miles on all sides of the airport are small, with a very gradual rise from south to north. The land is timbered with low spruce and birch. Bettles Airport is one of four Weather Service stations located north of the Arctic Circle.

The climate of the Bettles area is typical of a continental regime. Temperatures during the long summer days are mild, with maximums mostly in the high 60s and low 70s, and occasionally in the 80s. The sun does not set during the period June 2 to July 9. The freeze-free period averages 89 days, extending from May to late August. There is no commercial agriculture in this area. Bettles provides a center for wilderness guided and unguided tours, hunting and fishing and gold mining.

Winters are typical of interior Alaska. Minimum temperatures average below zero from November through March, and readings in the -45 to -55 degree range are experienced each winter. Here, as in most of the interior, the transition from summer to winter and vice versa is rapid, resulting in short spring and fall seasons.

Annual precipitation amounts are slightly heavier than at most interior locations, but still fall well within what is expected for a continental climate. It also follows the pattern of nearly all Alaskan stations, with precipitation amounts building up to a maximum during late summer and fall months. Snow has occurred during all months except July. The total seasonal snowfall has ranged from less than 40 inches to more than 130 inches. Because of the cold temperatures, much of the snow remains on the ground during the winter.

Surface winds are seldom strong during any season of the year, nor do they show much seasonal variation. Wind directions prevail from the north ten months of the year.

# Station History

BETTLES, AK

| NAME | Begin Date | End Date | Latitude | Longitude | Elevation Feet | Relocation | Platform |
|---|---|---|---|---|---|---|---|
| BETTLES FIELD | 1981-12-31 | 1982-01-01 | 66° 55' | -151° 31' | 650 | | COOP |
| BETTLES FIELD | 1976-01-01 | 1981-12-31 | 66° 55' | -151° 31' | 650 | | COOP,WXSVC |
| BETTLES FIELD | 1968-01-01 | 1973-01-01 | 66° 55' | -151° 31' | 653 | | AIRWAYS,COOP |
| BETTLES AIRPORT | 2012-05-22 | Present | 66° 32' | -151° 18' | 643 | | AIRWAYS,ASOS,COOP |
| BETTLES FIELD | 1973-01-01 | 1976-01-01 | 66° 55' | -151° 31' | 653 | | COOP,WXSVC |
| BETTLES AIRPORT | 2011-04-15 | 2012-05-22 | 66° 54' | -151° 30' | 642 | | AIRWAYS,ASOS,COOP |
| BETTLES FIELD | 1951-04-01 | 1968-01-01 | 66° 55' | -151° 31' | 673 | | AIRWAYS,COOP |
| BETTLES AIRPORT | 1999-11-19 | 2011-04-15 | 66° 54' | -151° 30' | 642 | 120 FT SE | AIRWAYS,ASOS,COOP |
| BETTLES FIELD | 1982-01-01 | 1999-11-19 | 66° 55' | -151° 31' | 644 | | COOP |

# Element History

| Element | Begin Date | End Date | Frequency | Time Of Observation | Equipment * | Equipment * Modifications | Equipment Exposure |
|---|---|---|---|---|---|---|---|
| WIND | 2006-05-18 | 2012-05-22 | HOURLY | UNKN | ANEMSONIC | | |
| PRECIP | 2012-05-22 | Present | DAILY | 2400 | SRG | | |
| WIND | 1999-11-19 | 2006-05-18 | HOURLY | UNKN | ANEMCUP | | |
| SNOWDPTH | 2012-05-22 | Present | DAILY | 2400 | SNOWSTAKE | | |
| PRECIP | 1951-04-01 | 1999-11-19 | DAILY | 2400 | | | |
| TEMP | 1999-11-19 | 2006-05-18 | DAILY | 2400 | HYGR | | |
| TEMP | 1951-04-01 | 1999-11-19 | DAILY | 2400 | | | |
| PRECIP | 2006-05-18 | 2012-05-22 | DAILY | 2400 | TB | RCRD | |
| WIND | 2012-05-22 | Present | HOURLY | UNKN | ANEMSONIC | | |
| PRECIP | 1999-11-19 | 2006-05-18 | DAILY | 2400 | TB | RCRD | |
| TEMP | 2006-05-18 | 2012-05-22 | DAILY | 2400 | HYGR | | |
| TEMP | 2012-05-22 | Present | DAILY | 2400 | ATEMP | | |

* For explanation of codes and abbrevitions 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

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