



Bering Land Bridge N Pres. • Cape Krusenstern NM
Gates of the Arctic NP & Pres. • Kobuk Valley NP • Noatak N Pres.

4th Quarter Fall 2016

Weather & Climate Summary Bering Land Bridge National Preserve Fall 2016

Nome Fall Weather

September was warmer and drier than normal in Nome. The average temperature for September was 43.8°F compared to a normal of 42.8°F. The low temperature for the month was 27°F recorded on September 14 and 17. The total precipitation for September was 2.29 inches, 93% of average.

October was warm! It was the warmest October on record for Nome (1907-2016). The average temperature was 37.7°F, which is +9.0°F warmer than normal. The high temperature on October 12th was 59°F, a new daily record. Record highs were also observed on October 11, 29, and 31. The monthly precipitation total was just above normal at 1.70 inches. Almost all of the precipitation in October fell as rain, only 0.1 inches of snow was recorded. Normal snowfall for October is 4.6 inches.

The first few days of November were much warmer than normal, but after that temperatures cooled off. By the end of the month temperatures were much cooler than normal. The average temperature was 15.9°F, normal is 16.9°F. Precipitation was about 58% of normal with 8.5 inches of snow.

The average fall temperature at Nome was 32.5°F which is 3.0°F warmer than the 1981-2010 normal. It was the 16th warmest fall on record (1907-2016). The total fall precipitation was 4.70 inches, 89% of normal (Figures 1 and 2; Tables 1 and 2).

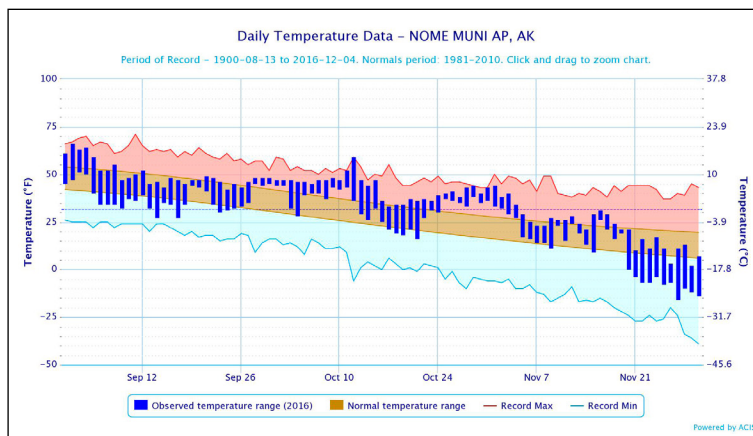


Figure 1. Fall 2016 daily temperatures at Nome showing **record maximum** (red), **record minimum** (blue), **normal** (brown) and **observed** range (blue bars).

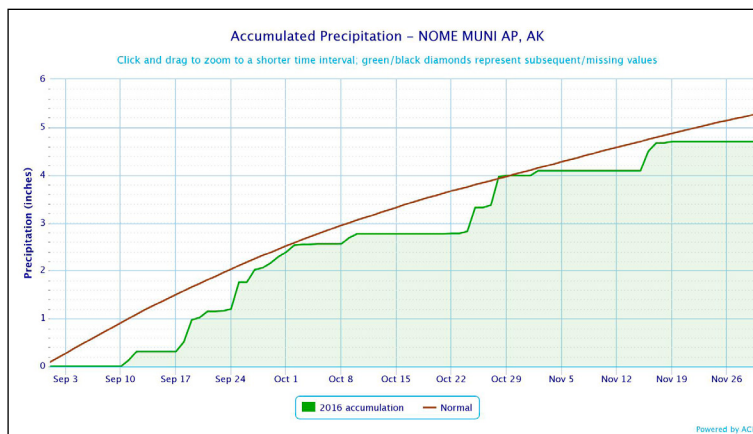


Figure 2. Fall 2016 accumulated precipitation at Nome (green) compared to **normal** (brown line).

Table 1. Temperature: Fall 2016 average monthly temperatures compared to the 1981-2010 normal.

Fall 2016	Average Monthly Temp °F	1981-2010 Normal °F	Departure from Normal °F	Monthly High °F / Date	Monthly Low °F / Date
September	43.8	42.8	+1.0	66 / Sept. 2	27 / Sept. 14 & 17
October	37.7*	28.7	+9.0	59** / Oct. 12	16 / Oct. 21
November	15.9	16.9	-1.0	44 / Nov. 1	-16 / Nov. 27

*Warmest October on Record, **Daily Record High; Fall Season Temperature Departure from Normal: +3.0°F

Table 2. Precipitation: Fall 2016 monthly precipitation totals compared to normal.

Fall 2016	Total Monthly Precip. in.	1981-2010 Normal in.	Departure from Normal in.	Greatest 24 -hr. total in. / Date	# Days with >=0.01 in. water
September	2.29	2.45	-0.16	0.56 / Sept. 25	13
October	1.70	1.61	+0.09	0.60 / Oct. 28	12
November	0.71	1.22	-0.51	0.41 / Nov. 16	4

Fall Season Precipitation Departure from Normal: -0.58 inches (89% of normal)

October 2016 in Bering Land Bridge NP

The two graphs above show the daily high and low temperatures at Ella Creek (left) and Serpentine Hot Springs (right) for October 2016 (Figure 3). The dots on the graphs represent the normal high and low temperatures for Nome for

comparison. The 56°F high temperature at Ella Creek (elevation = 2,300') recorded on October 12 is astounding. On that same day, the high temperature at Nome was 59°F, a daily record +23°F warmer than normal.

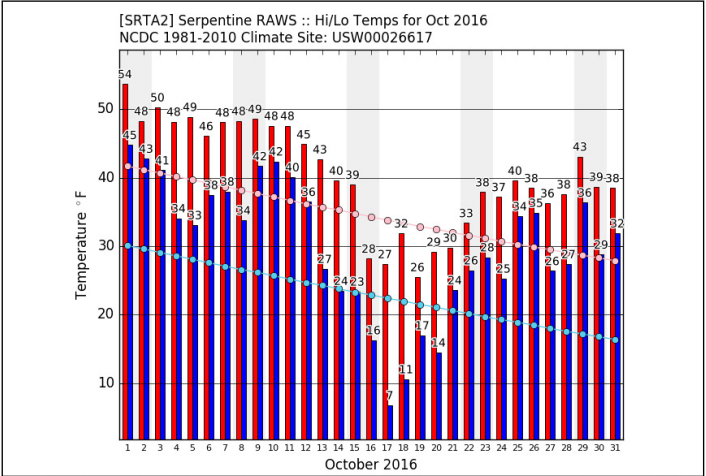
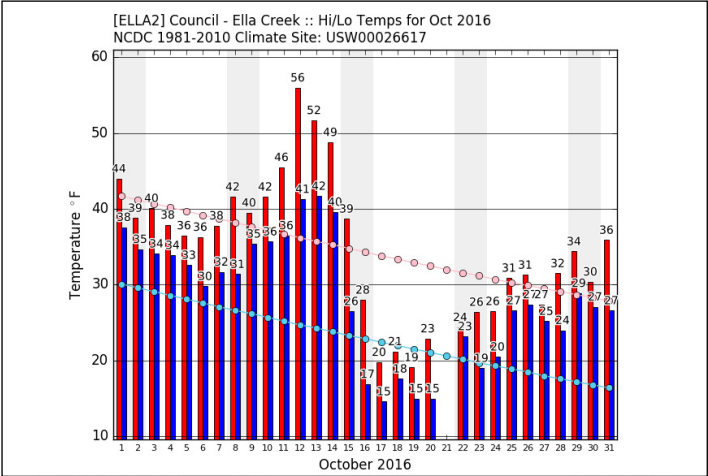


Figure 3. October 2016 temperatures at Ella Creek (above left) and Serpentine Hot Springs (above right)

Climate Monitoring in Bering Land Bridge National Preserve

NPS climate stations in Bering Land Bridge complement the long-term record from the National Weather Service station in Nome. NPS stations are located at Serpentine Hot Springs, Midnight Mountain, Devil Mountain, and Ella Creek (Figure 4). Near real-time observations are available through the National Weather Service at this [hyperlink](#).

More Information

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<http://science.nature.nps.gov/im/units/arcn>

[Current weather in BELA](#)



Figure 4. NPS Climate stations in Bering Land Bridge National Preserve.