



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

Summer 2023

Weather & Climate Summary Bering Land Bridge National Preserve Summer 2023

Bering Land Bridge National Preserve. NPS/Pam Sousanes.

Nome Summer Weather Summary 2023

Overall, the summer was wetter than normal in Nome with the average summer temperature right at the 1991-2020 normal. The average temperature for the 2023 summer season was 50.2°F. The monthly temperatures were more variable, with a cooler than normal June, a warmer than normal August, and a near normal July. Summer rainfall totaled 8.79 inches, which is 134% of normal. Nome had 53 days this summer with more than a trace of rain (Table 1 and 2, Figures 1 and 2).

June

June was cooler and slightly drier than normal. The average monthly temperature was almost 2°F cooler than normal at 46.5°F. The month started out cooler than normal for the first few days, with temperatures moderating to near normal after the 4th. Things cooled off again on the 17th and averaged about 10 degrees colder than normal for the next six days. On June 21st, summer solstice, a new record daily minimum temperature of 30°F was recorded. The total precipitation (melted snow and rain) for June was 0.79 inches, 80% of normal.

July

July temperatures hovered in the normal range for the entire month, while the monthly rainfall total was well above normal. The average monthly temperature ended up 0.5°F warmer than normal at 52.5°F, with just a few days pushing past the normal daily high temperature range. July 16th was the warmest day of the month with a high of 66°F, normal high for that day is 58°F. It was a rainy July with a total of 3.39 inches for the month, normal is 2.35. The wettest day of the month was July 12th with 0.52 inches.

August

It was a warm, wet August. The average temperature for the

month was 51.5°F, 1.3°F above normal. The first two weeks of the month were warm, with warmer than normal daily low temperatures. The two warmest days of the summer were August 12 and 13, with daily high temperatures of 74°F and 70°F, respectively. These were the only two days between June 1 and August 31 with a daily temperature of 70°F or above. August rainfall totaled 4.61 inches, which is 143% of normal. There were a few notable wet periods: August 10-11 with 1.14 inches, and a three-day total of 1.43 inches between August 18-20.

Table 1. Nome summer 2023 average monthly temperatures compared to the 1991-2020 normal.

Summer 2023	Average Monthly Temp (°F)	1991-2020 Normal (°F)	Departure from Normal (°F)
June	46.5	48.3	-1.8
July	52.5	52.0	+0.5
August	51.5	50.2	+1.3

Summer Temperature Departure from normal: 0.0°F

Table 2. Nome summer 2023 monthly precipitation totals compared to normal

Summer 2023	Total Monthly Precip. (in.)	1991-2020 Normal (in.)	Departure from Normal (in.)
June	0.79	0.99	-0.20
July	3.39	2.35	+1.04
August	4.61	3.22	+1.39

Summer Precipitation Departure from normal: +2.23 in. (134% of normal).

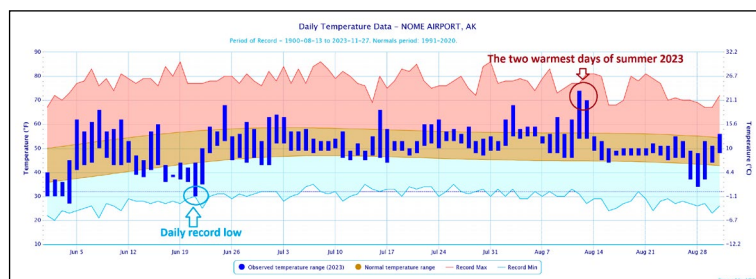


Figure 1. Summer 2023 daily temperatures showing record maximum (red), record minimum (blue), normal (brown) and observed range (blue bars). Data from: <http://xmacis.rcc-acis.org/>.

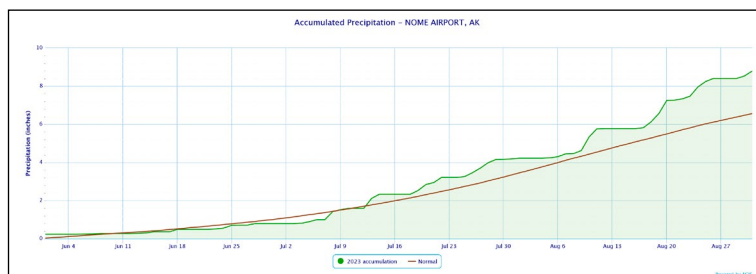


Figure 2. Summer 2023 accumulated precipitation at Nome (green) compared to normal (brown line). Data from: <http://xmacis.rcc-acis.org/>

Arctic Inventory and Monitoring Network Climate Stations

We monitor weather and climate in Bering Land Bridge National Preserve to help understand daily, monthly, and seasonal weather patterns and shifting climate averages (Figure 3).

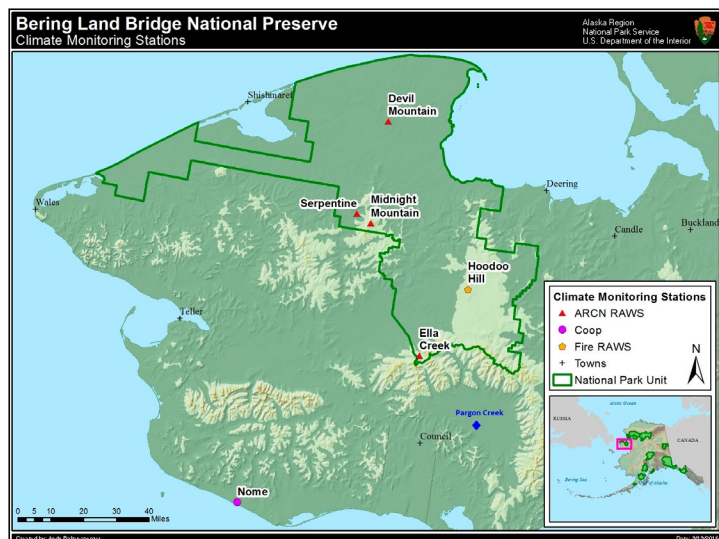


Figure 3. Arctic Inventory and Monitoring Network climate stations in Bering Land Bridge NP.

This summer was the wettest summer to date at the Serpentine Hot Springs climate station (2012-2023). A total of 6.84 inches of rain was recorded between June 1 and August 31; the average summer rainfall at the site is 4.74 inches. June had more than double the average rainfall with 1.53 inches, most of that fell during the last week of the month. This was the wettest June to date for the Serpentine site. July and August were also both wetter than average.

Most of Northwest Alaska was wetter than normal for summer 2023 with the wettest locations along the eastern boundary of Bering Land Bridge National Preserve. Figure 4 shows the statewide precipitation ranking for summer 2023, with areas in dark blue the wettest on record (Figure 4).

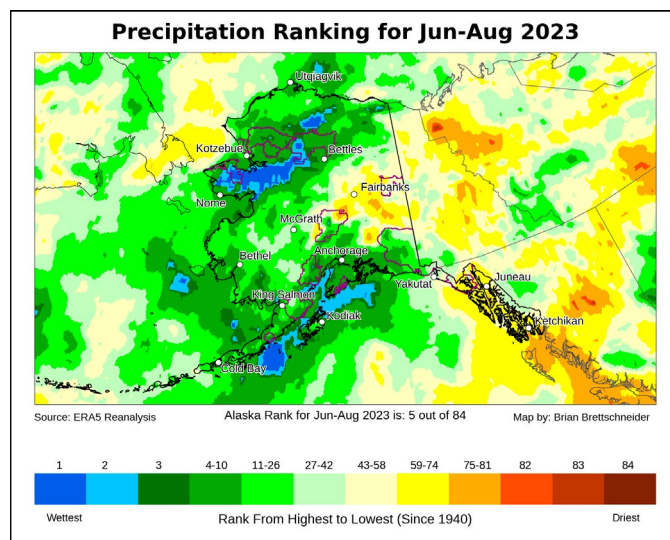


Figure 4. Map showing statewide precipitation ranking from wettest (dark blue) to driest (red). Graphic courtesy of Brian Brettschneider.

This summer was warmer than the past three summer seasons at Serpentine Hot Springs (Figure 5). The average temperature was 51.2°F, about a degree F warmer than the 11 year summer season average. June of 2023 was cooler than average, but it was the second warmest July to date with an average monthly temperature of 55.6°F. August was slightly warmer than the 11 year average.

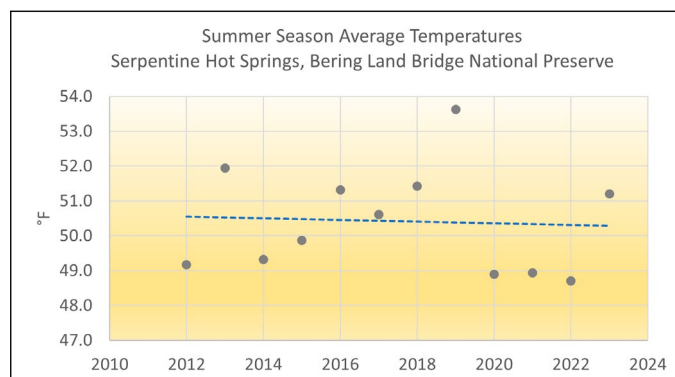


Figure 5. Summer season average temperatures at the Serpentine Hot Springs climate station in Bering Land Bridge National Preserve 2012-2023.

More Information

[Pam Sousanes@nps.gov](mailto:Pam_Sousanes@nps.gov); ph 907-455-0677
[Kenneth Hill@nps.gov](mailto:Kenneth_Hill@nps.gov); ph 907-455-0678

<https://www.nps.gov/im/arcn/climate.htm>
 Latest weather conditions in Bering Land Bridge N.P.

Data disclaimer: Please note that the near-real time data used to generate these reports is subject to change. QA/QC data from the NPS ARCN climate stations are available at [NPS Data Store](#)