



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

Summer 2025

Weather & Climate Summary Gates of the Arctic National Park and Preserve Summer 2025

View from Ram Creek climate station in early June, Gates of the Arctic National Park and Preserve. NPS Photo Pam Sousanes

Bettles Summer Weather 2025

Overall, summer was warmer and wetter than normal in Bettles. Weather highlights for the season include a warm July and a wet August. The average temperature for the summer season was 58.4°F, which is +1.3°F warmer than the 1991-2020 normal. Summer rainfall totaled 8.11 inches, 125% of normal (Table 1, 2 and Figure 1,2). More than half the summer rainfall fell during the month of August leading to flooding in communities along the Koyukuk and Kobuk Rivers.

June

June was warmer and wetter than normal. Temperatures started out cool the first week of June, but by mid-month the daily high temperatures were pushing new records with one new record high of 86°F on June 17. Beginning on June 14 daily maximum temperatures were ≥80°F for 9 consecutive days. Since records began in 1952 there have only been three longer runs: 12 days in 1999, 11 days in 1971, and 10 days in 2013. Maximum temperatures averaged 2°F warmer than normal for the month while the minimum temperatures averaged near normal. The June rainfall total was 1.67 inches, 114% of normal. There was measurable rain on 8 days in June.

July

July was warmer and drier than normal. The average temperature for the month was +2.6°F warmer than normal at 62.4°F. It was much warmer than normal the first week of July with daily highs of 80°F or above. There were two new record high temperatures: 88°F on July 4 and 90°F on July 5. Rainfall totaled 1.9 inches for the month, which is 82% of normal.

August

August was wetter than normal with near normal temperatures. The monthly rainfall total was 4.54 inches, 168% of normal. It was the 7th wettest August on record (back to 1951). The wettest period was between August 23 and 28 when 2.95 inches fell over the 6-day period. The rainiest day of the month was August 25 with 1.32 inches falling in a 24-hour period, a new daily record. The average monthly temperature was +0.4 degrees warmer than normal. The minimum temperatures for August averaged 2.2°F warmer than normal, in contrast to June when the maximum temperatures averaged warmer than normal.

Table 1. Bettles average monthly temperatures compared to the 1991-2020 normal.

Summer 2025	Average Monthly Temp (°F)	1991-2020 Normal (°F)	Departure from Normal (°F)
June	59.6	58.6	+1.0
July	62.4	59.8	+2.6
August	53.1	52.7	+0.4

Summer temperature departure from normal: +1.3°F

Table 2. Bettles monthly precipitation totals compared to normal.

Summer 2025	Total Monthly Precip. (in.)	1991-2020 Normal (in.)	Departure from Normal (in.)
June	1.67	1.46	+0.21
July	1.90	2.32	-0.42
August	4.54	2.71	+1.83

Summer precipitation departure from normal: +1.62 in. (125% of normal)

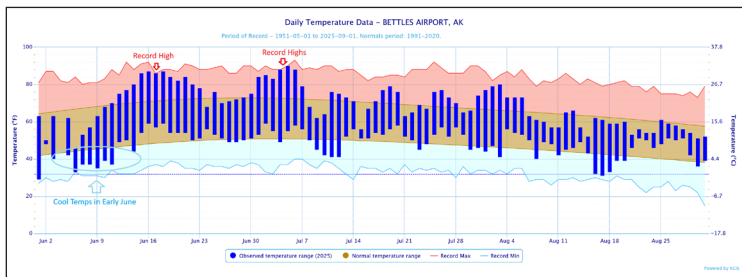


Figure 1. Summer 2025 daily temperatures at Bettles showing record maximum (red), record minimum (blue), normal (brown) and observed range (blue bars). <http://xmacis.rcc-acis.org/>

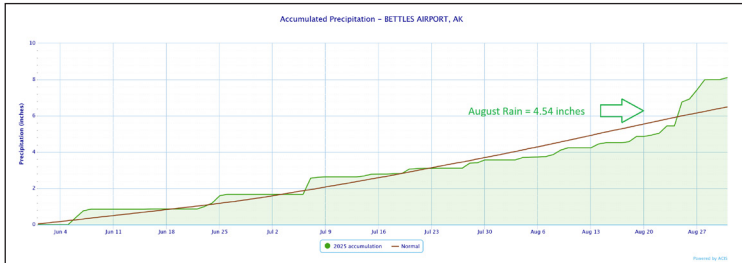


Figure 2. Summer 2025 accumulated precipitation at Bettles (green) compared to normal (brown line). <http://xmacis.rcc-acis.org/>

Brooks Range Summer 2025

It was a top 10 snow year for Gates of the Arctic stretching back to 1940 combined with a very cold late spring. June started out cool, but a heat wave in mid-June broke many daily high temperature records, leading to rapid snowmelt and flooding. The lightning season started soon after, igniting fires in the northeastern interior and Brooks Range.

A second heat wave occurred in early July when temperatures climbed into the low 90s at low elevation communities stretching from Wiseman to Kiana (Figure 3). Thunderstorms initiated more fires on July 6, followed by intense cold on the north slope. Overnight temperatures dropped into the low 20s at the Killik Pass climate station on July 9 and 10.

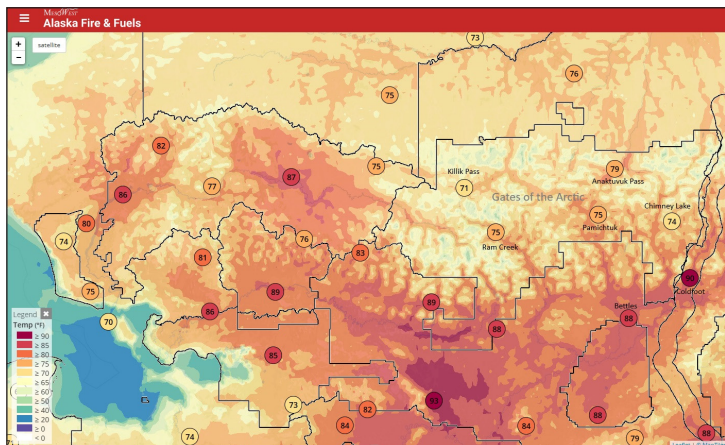


Figure 3. Daily high temperatures on July 6, 2025, at sites across the Brooks Range including the Arctic Network climate stations in Gates of the Arctic National Park and Preserve. Data from [Surface Map | Alaska Fire & Fuels | MesoWest](#).

Late August brought abundant rainfall to the region. An atmospheric river funneled moisture from the north Pacific Ocean to the northern Interior of Alaska including Gates of

the Arctic. The Chimney Lake climate site recorded a total of 4.94 inches of rain for the month, the 2nd wettest August on record after 2023 (back to 1912). August rainfall totals for the park and surrounding communities ended up 150% to 250% of normal. These extremes led to destructive flooding in communities along the Koyukuk and Kobuk Rivers (Figures 4 and 5).

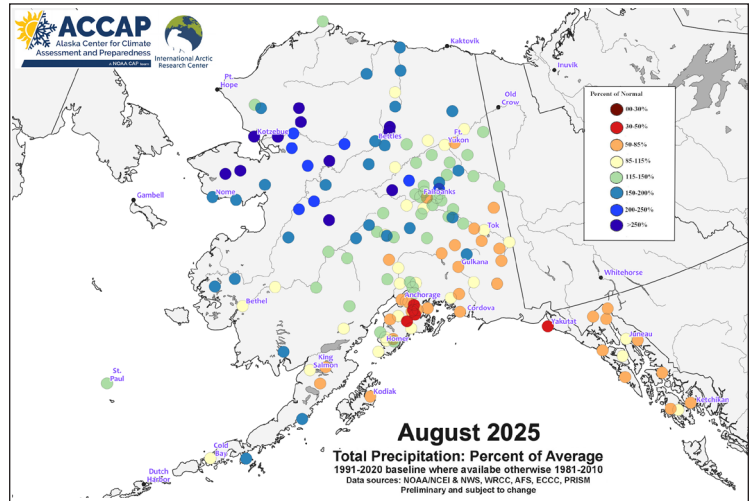


Figure 4. August precipitation percent of average across Alaska. Sites across Northwest Alaska (dark blues and purple) were the wettest compared to average, 150-250% of normal. Data courtesy of Rick Thoman and ACCAP.



Figure 5. Flooding from heavy precipitation in late August at Allakaket (left) and at Kobuk (right). Fairbanks Daily News-Miner photos by Harriet Nollner.

Data Importance

The Arctic Network's climate data are used for real-time operational needs and early warnings of potential hazards including landslides, fire conditions, aviation decisions, public safety, and trip planning for park visitors. The data are also important for consistent monitoring over the long-term to detect changes in park ecosystems, including gradual trends and extreme events.

[Click here](#) to get the current weather conditions for Gates of the Arctic National Park and Preserve.

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>

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 CACN/ARCN climate stations are available at [NPS Data Store](#)