



Weather & Climate Summary Wrangell–St. Elias National Park & Preserve Fall 2025

Mount Blackburn & the upper Kennicott Glacier in fall. NPS Photo/Ken Hill

Glennallen Fall Season 2025

Fall 2025 was warmer and wetter than normal in Glennallen. The fall season (Sep-Oct-Nov) was 4.5°F warmer than the 1991-2020 average and ranked as the 5th warmest on record. September and October were much warmer than normal. The total fall precipitation was 3.72 inches, normal is 3.45 inches (Table 1 and 2, Figures 1 and 2).

Note: Previously we used the Gulkana Airport data for the long-term climate perspective for these summaries (with records back to 1943). Unfortunately, Gulkana data were not available this fall, so we used the observations from the nearby Glennallen KCAM site. The record starts in 1966, however, there are many missing observations in the late 1990s and early 2000s, so records and ranks presented in this summary are based on fewer years of data. Any record or rank that is presented in this summary is based on at least 30 years of observations.

September

September was much warmer than normal and drier than normal. It was tied with 1995 for the warmest September on record! The average monthly temperature was 48.2°F, which is 4.8°F warmer than normal (n=48 – the number of Septembers with <5 missing days of data). Temperatures were in the above normal range for most of the month; only three days had average temperatures below normal. There was a new record daily high of 64°F on September 19. The total rainfall in September was 1.12 inches, 79% of normal.

October

October temperatures remained much warmer than normal with the monthly precipitation total just above normal. The average temperature for the month was 6.8°F warmer than

normal, with warmer than normal temperatures for the first half of the month including another record daily high of 61°F on October 9. The overnight low temperature of 46°F was also a record high minimum temperature for that day, 24°F warmer than normal. Total precipitation for October was 0.91 inches, 107% of normal with a total of 1 inch of snow for the month.

November

November was warmer and wetter than normal. The November average temperature came in 2°F warmer than normal. November precipitation was 142% of normal with a total of 1.69 inches, including the water equivalent of 10.8 inches of snow. Almost 6 inches of the total snow fell on November 29. This was the 7th wettest November on record.

Table 1. Glennallen average monthly temperature totals compared to normal.

Fall 2025	Average Monthly Temp (°F)	1991-2020 Normal (°F)	Departure from Normal (°F)
September	48.2	43.4	+4.8
October	32.9	26.1	+6.8
November	7.1	5.1	+2.0

Fall temperature departure from normal: +4.5°F

Table 2. Glennallen monthly precipitation totals compared to normal.

Fall 2025	Total Monthly Precip. (in.)	1991-2020 Normal (in.)	Departure from Normal (in.)
September	1.12	1.41	-0.29
October	0.91	0.85	+0.06
November	1.69	1.19	+0.50

Fall precipitation departure from normal: +0.27 in. (108% of normal).

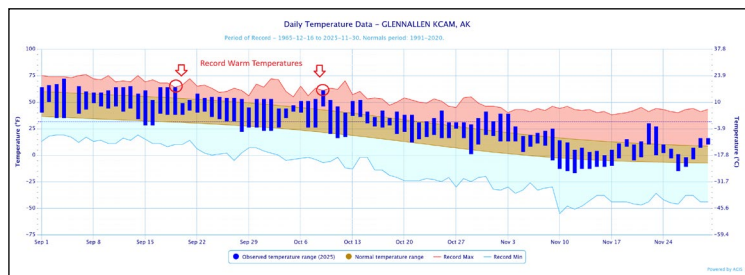


Figure 1. Fall 2025 daily temperatures at Glennallen showing record maximum (red), record minimum (blue), normal (brown) and observed range (blue bars). <http://xmacis.rcc-acis.org/>

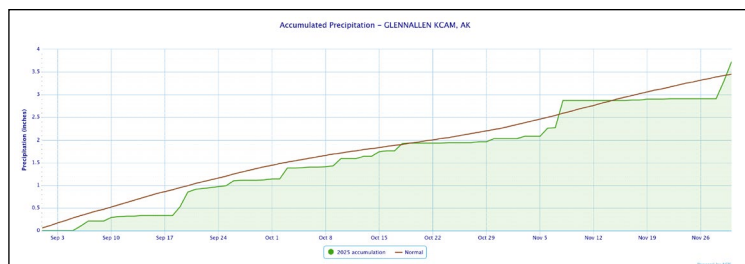


Figure 2. Fall 2025 accumulated precipitation at Glennallen (green) compared to normal (brown line). <http://xmacis.rcc-acis.org/>

Yakutat Fall Season 2025

The fall season was warmer and wetter than normal in Yakutat. The average fall season temperature was 1.9°F warmer than the 1991-2020 normal. November was 2.7°F warmer than normal. The normal fall precipitation total is 51.46 inches, this fall 59.30 inches fell. September precipitation was 118% of normal, October 117% of normal, and November 108% of normal.

Warmer Fall Temperatures at Gates Glacier

The fall seasons have been getting warmer at the Gates Glacier climate site. We've been measuring temperature continuously at this site since 2006. Over the past 20 years fall temperatures have increased by 4.2°F. The magnitude of warming is robust, but the trend is not statistically significant. Fall of 2025 was the 3rd warmest fall on record. Out of the three fall season months, November temperatures have increased the most over the past two decades. This fall was 4.5°F above the site average at 32.3°F (Figure 3).

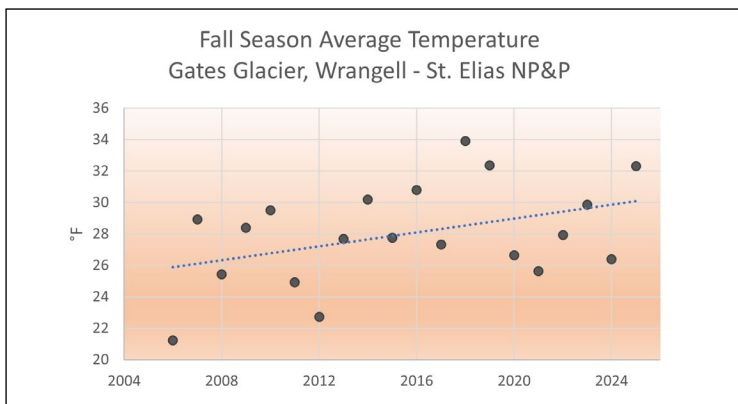


Figure 3. Average fall season temperatures at Gates Glacier climate station in Wrangell – St. Elias NP&P 2006-2025.

October Statewide Warmth

October was much warmer than normal across most of Alaska and northwest Canada. Red shading in Figure 4 indicates that

the average October temperature was >4.5°F warmer than normal, including Wrangell – St. Elias.

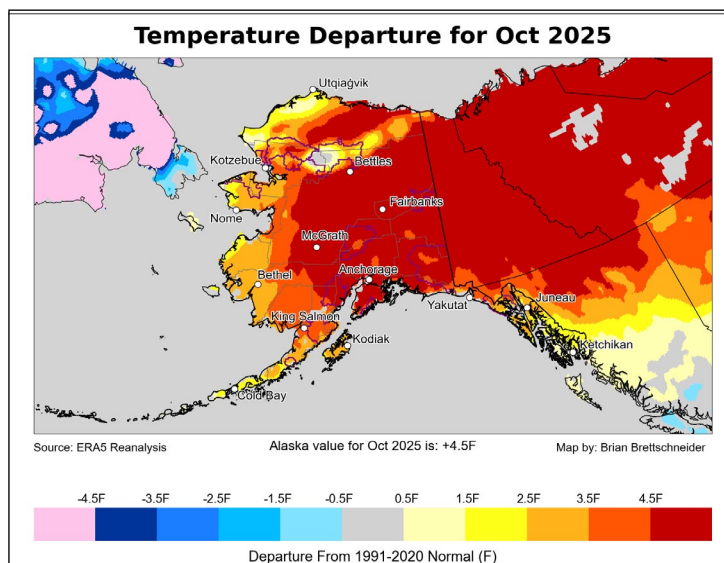


Figure 4. Statewide temperature departure for October 2025. Map courtesy of Brian Brettschneider using ERA5 reanalysis data.

Early Season Snow

October 1 marked the start of the 2026 water year which we use to capture the entire winter season and track the movement of water through the landscape. At May Creek the cumulative precipitation (Oct 1 – Nov 30) was 3.1 inches, 119% of normal. The snow depth on November 30th was 4 inches, 5 inches below the median (Figure 5a). Chisana also had more precipitation than normal for the fall season, 129% of normal at the end of the fall season. The snow depth was 8 inches, right at normal (Figure 5b).

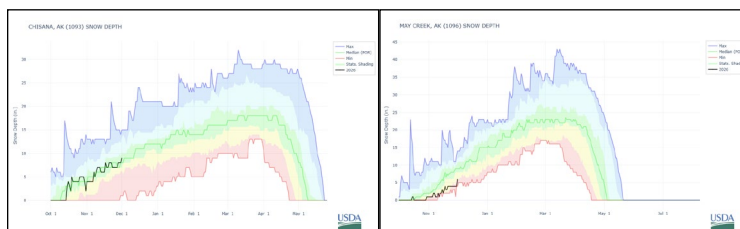


Figure 5. Chisana (left) and May Creek (right) snow depth starting on October 1, 2025, with maximum (blue), minimum (red), and median (green) snow depth (2007-2025). The black line is the current year.



Current Weather in Wrangell-St. Elias NP & Pres.

More Information

[Pam Sousanes@nps.gov](mailto:Pam_Sousanes@nps.gov); ph 907-519-7372

[Kenneth Hill@nps.gov](mailto:Kenneth_Hill@nps.gov); ph 907-519-7370

<https://www.nps.gov/im/cakn/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 CAKN/ARCN climate stations are available at [nps data store](https://www.nps.gov/im/cakn/climate.htm)