

# August 2023 Northern Michigan Climate Summary

## Alpena

Average Temperature	Average Temp. Departure	Precipitation	Precipitation Departure
65.0°F	-1.6°F	3.54"	+0.45"

## Houghton Lake

Average Temperature	Average Temp. Departure	Precipitation	Precipitation Departure
63.6°F	-2.2°F	3.29"	+0.43"

## Sault Ste. Marie

Average Temperature	Average Temp. Departure	Precipitation	Precipitation Departure
64.7°F	-0.9°F	3.63"	+0.44"

## Gaylord

Average Temperature	Average Temp. Departure	Precipitation	Precipitation Departure
64.8°F	+0.5°F	2.72"	-0.68"

## Traverse City

Average Temperature	Average Temp. Departure	Precipitation	Precipitation Departure
67.8°F	-1.4°F	2.92"	-0.27"

Much of August was spent with near normal temperatures. Brief periods of above normal warmth were far outweighed by periods of much cooler weather that lasted a couple days at a time. Warmer periods were observed between August 2-4 and again around August 20th, where temperatures rose into the 80s (with some 90s across northern lower Michigan). There were a few noteworthy cooler periods over the course of the month. Highs struggled to reach 70 in several places across northern lower and eastern upper Michigan on August 17th. The last week of the month was marred by a cool and damp stretch of weather from August 24-26th as a warm front stalled just to the south, while southern Michigan saw much warmer temperatures in the 90s. This was followed by a much cooler and drier Canadian airmass, with highs in the 60s and lower 70s, and even cooler interior places such as Atlanta and Roscommon seeing lows reach the freezing mark! All in all, most places saw a cooler than normal month thanks to the prolonged cooler stretches of weather.

As far as precipitation goes, another month of unevenly distributed precipitation was observed across the region. The start of the month began with a system that brought showers and storms to eastern upper Michigan (including one that produced some hail south of Sault Ste. Marie), but failed to produce much of anything across northern lower Michigan. Rain did eventually return at times across northern lower Michigan, particularly on August 17th when a strong cold front brought widespread rain showers and thunder, with the heaviest rain favoring northeast lower Michigan where some spots observed 1.25"+ of rain. An additional system associated with an approaching warm front produced thunderstorms late at night across northern lower Michigan on August 23rd. In some cases, the storms were severe, with one particular storm producing 2" hail in Au Gres.. This warm front would stall out across the region, leaving northern Michigan in a nebulous drizzle. While this led to very little precipitation being measured, the persistence of the drizzle led to a very damp period of weather for most. The exception was far southern Gladwin County, which observed a thunderstorm owing to them being just south of the stalled front (which went on to produce a violent outburst of severe weather across southern Michigan, Ontario, and northern Ohio). Above normal precipitation was observed in all sites except Gaylord and Traverse City.