

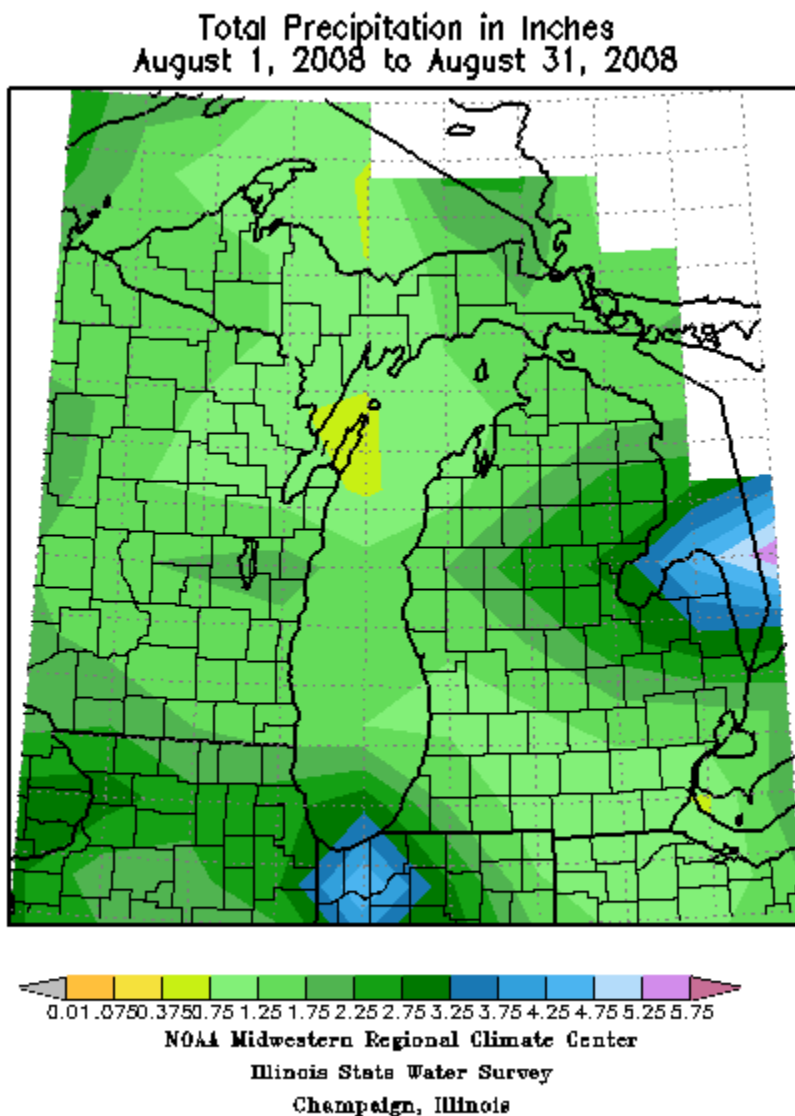
## August 2008 Climate Narrative For Southwest Lower Michigan

August 2008 was dry with near normal temperatures and very little severe weather. Table 1 shows the actual, normal and departure from normal monthly temperatures for the primary climate stations in Southwest Lower Michigan. Also shown are the total, normal and departure from normal monthly precipitation values.

<b>Location</b>		<b>Temperature (degrees F)</b>	<b>Precipitation (inches)</b>	<b>Snowfall (inches)</b>
<b>Grand Rapids</b>	<i>Reported</i>	70.6°	1.05	0.0
	<i>Normal</i>	69.4°	3.78	0.0
	<i>Departure</i>	+1.2°	-2.73	0.0
<b>Lansing</b>	<i>Reported</i>	69.0°	0.75	0.0
	<i>Normal</i>	68.4°	3.46	0.0
	<i>Departure</i>	+0.6°	-2.71	0.0
<b>Muskegon</b>	<i>Reported</i>	68.7°	1.11	0.0
	<i>Normal</i>	68.5°	3.77	0.0
	<i>Departure</i>	+0.2°	-2.66	0.0

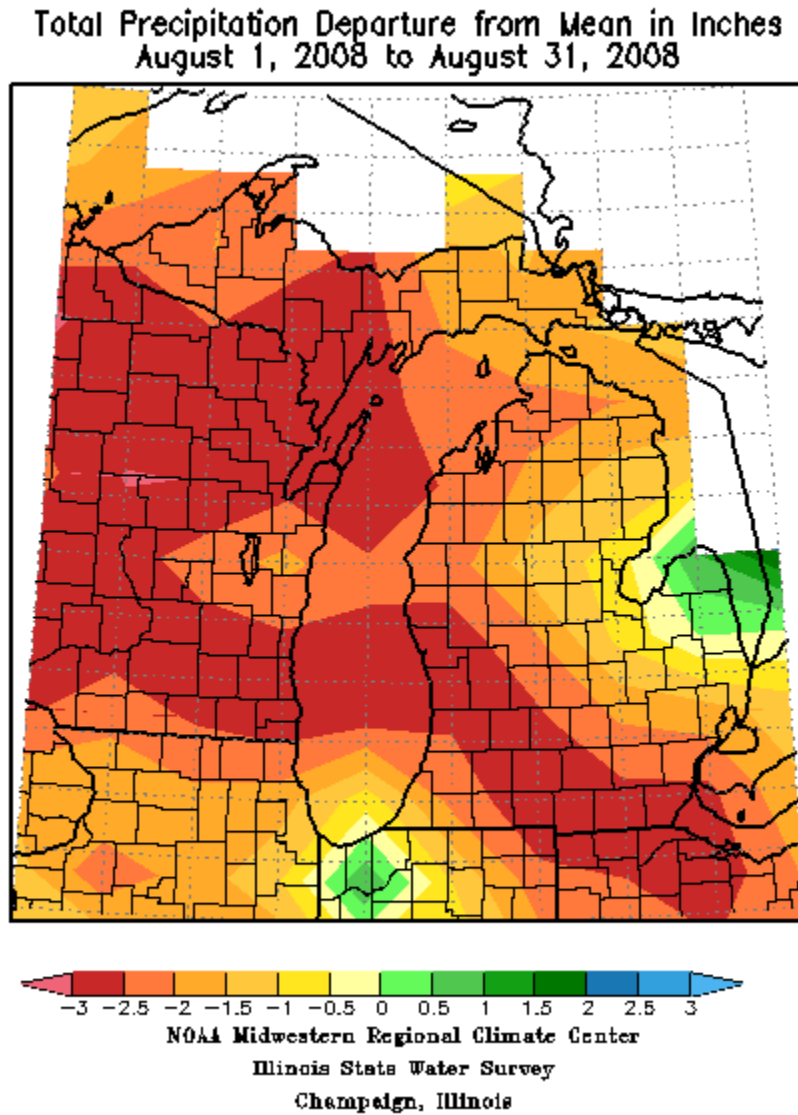
**Table 1.** Monthly Temperature and Precipitation Data.

The total precipitation for August 2008 for Southwest Lower Michigan, Figure 1, ranged from almost 3 inches in Clare and Isabella counties down to just under 2 inches across most of our southern counties.



**Figure 1.** Total Precipitation for August 2008.

Figure 2, the departure from normal precipitation for the month, shows values ranging from over an inch below normal in Clare and Isabella counties up to almost 3 inches below normal across most of our southern counties. August 2008 is the driest month of the year so far. During the month, only 5 days in Grand Rapids and 7 days in Lansing had measurable precipitation.



**Figure 2.** Departure from normal precipitation for August 2008.

The average temperatures for August 2008, Figure 3, range from the mid 60s to around 70 degrees F. As can be seen in Figure 4 (the departure from normal temperatures) these values are generally within half a degree of normal.

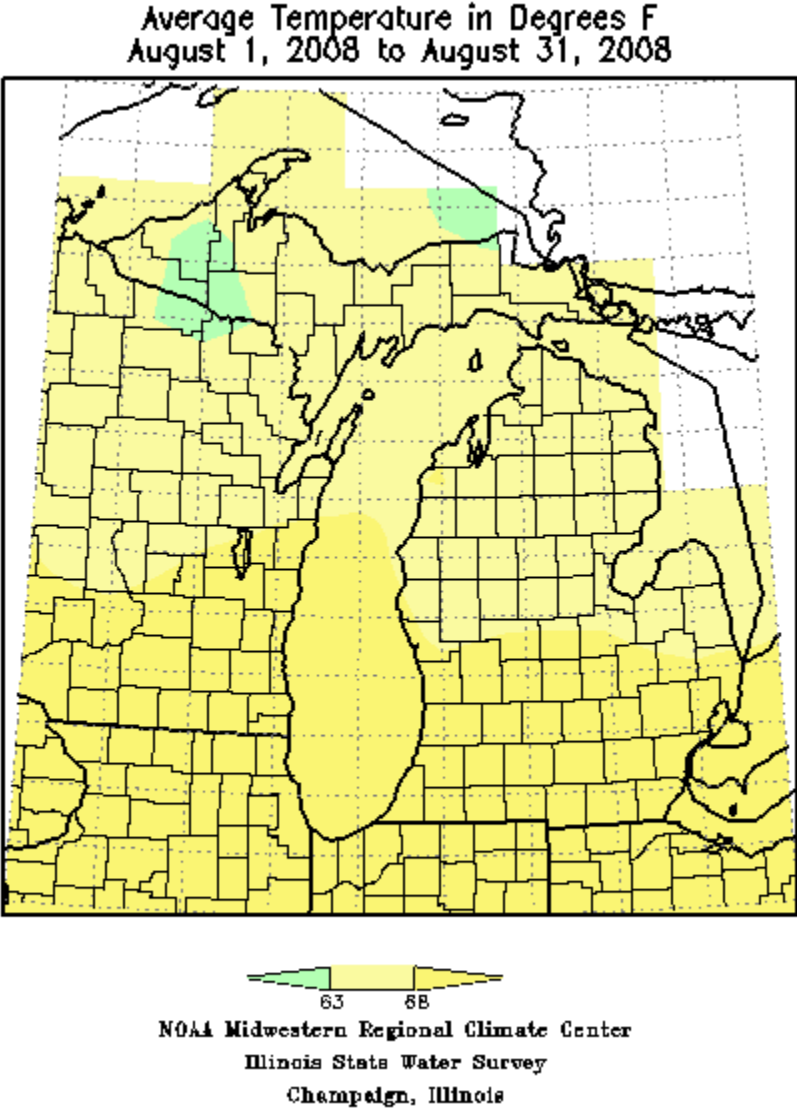
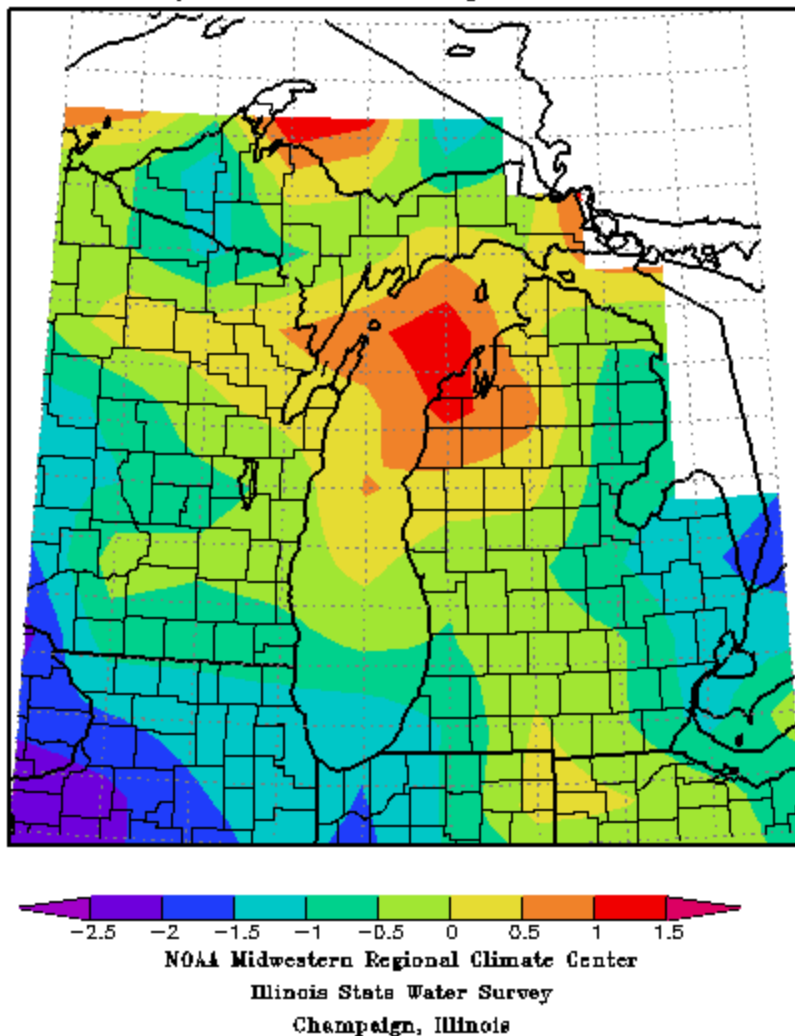


Figure 3. Average Temperatures for August 2008.

Average Temperature Departure from Mean in Degrees F  
August 1, 2008 to August 31, 2008



**Figure 4.** Departure from average temperatures for August 2008.

There was a lack of severe weather across Southwest Lower Michigan during the month of August 2008. The main severe weather event occurred on the 7th when a series of waterspouts developed over Lake Michigan. The waterspouts occurred offshore from Grand Haven down to South Haven from late morning into the early afternoon hours as a cold front moved through the area. Other than the waterspouts, only one severe event occurred. On the 23rd of the month, isolated wind damage occurred in Harrison and St. Johns in a line of storms ahead of another cold front.