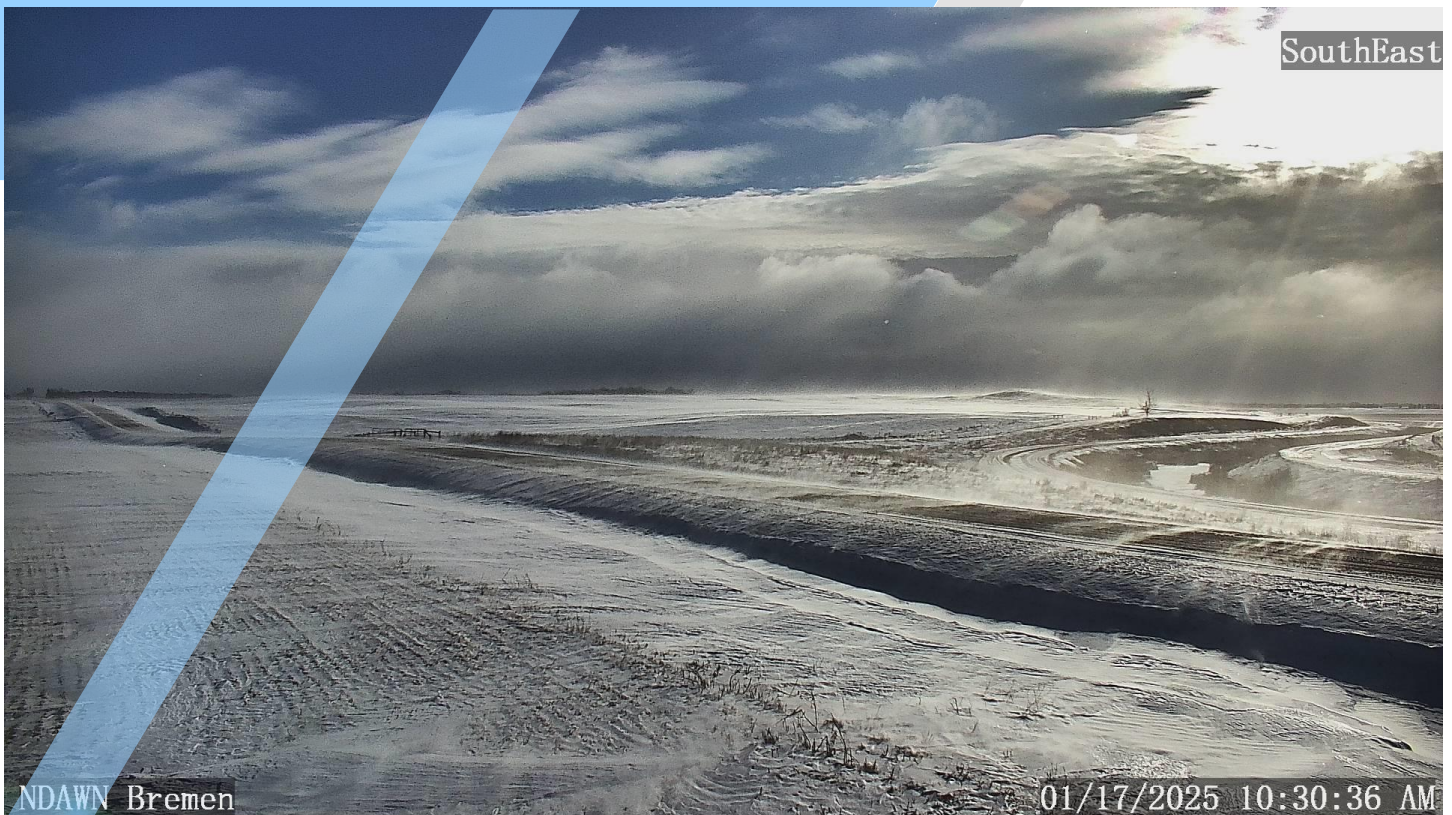


North Dakota Monthly Climate Summary

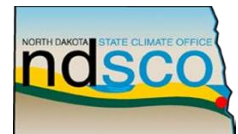
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North Dakota State Climate Office:
Your Resource for Climate Information



North Dakota State University
School of Natural Resource Sciences

1523 Centennial Blvd
Fargo ND 58102

Precipitation

January 2025

North Dakota cannot seem to shake the dry spell that continued into the winter months. Very little snow fell to kick off 2025 leaving a majority of the state with below average precipitation during the month of January. Only the very Southwest and Northeast corners of the state reached average precipitation. The driest parts of the state were around Mountrail County and Dickey County. Normal precipitation in January is around 0.4-0.8 inches of precipitation, most stations in North Dakota only reached about 50% of normal.

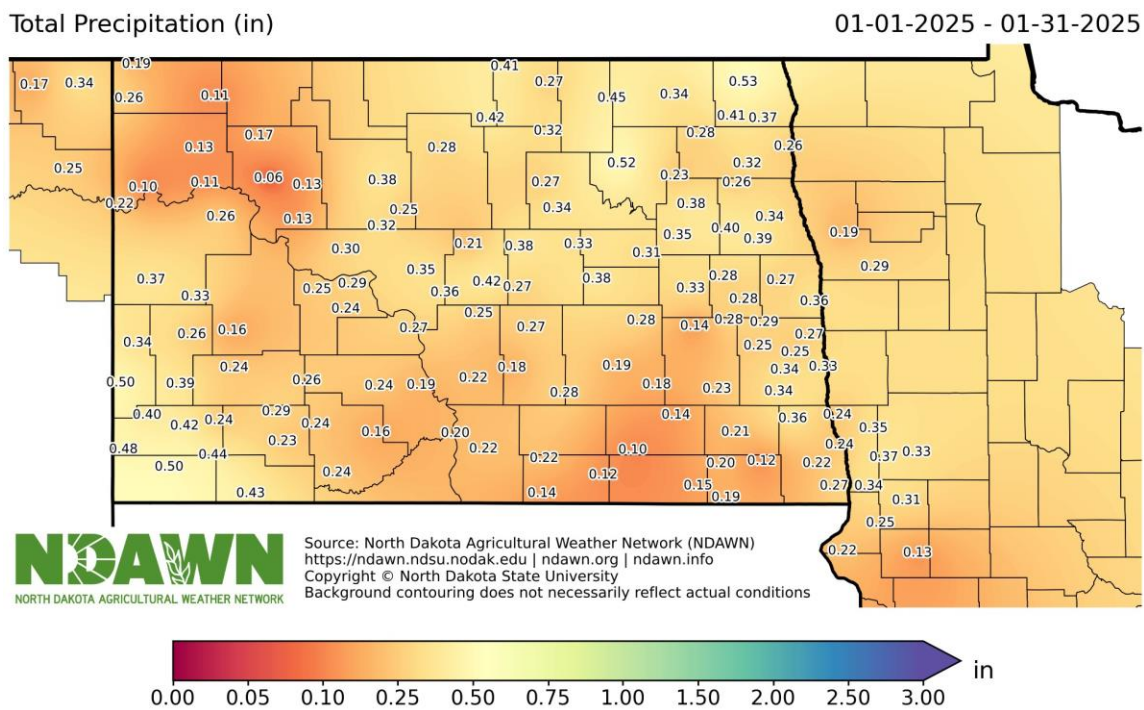


Figure 1: Total Precipitation measured by all NDAWN stations from 1/1/2025-1/31/2025

What precipitation did fall throughout the month actually blew away due to the fierce winds that accompanied most snow showers. Only about 2-3 inches of snow fell across the state, and towards the latter part of the month what little snow was left on the ground actually melted due to the well above average temperatures. The statewide average precipitation in January 2025 was 0.21 inches, less than half of normal.

Precipitation

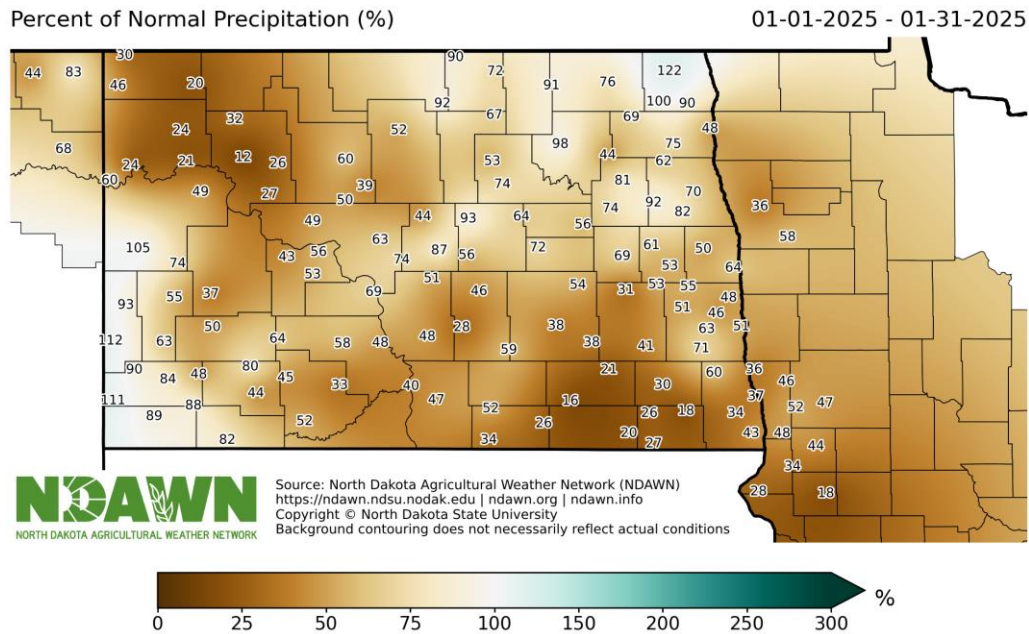
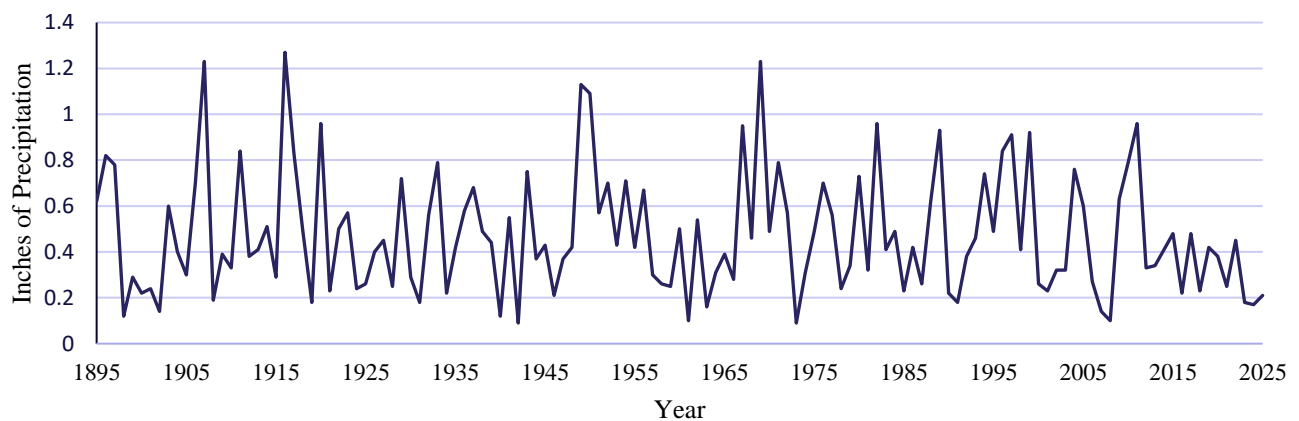


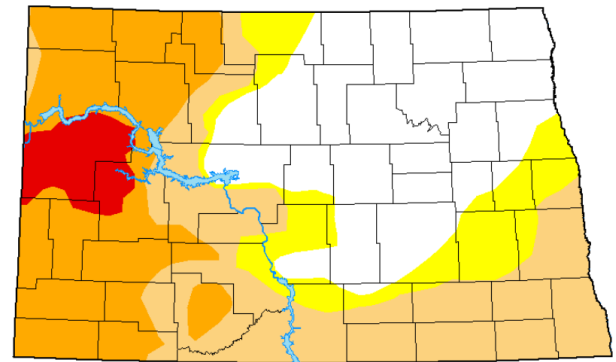
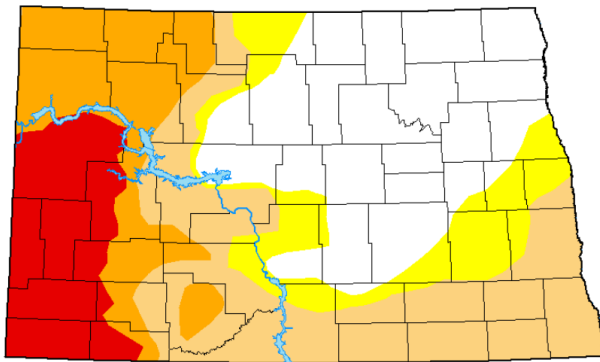
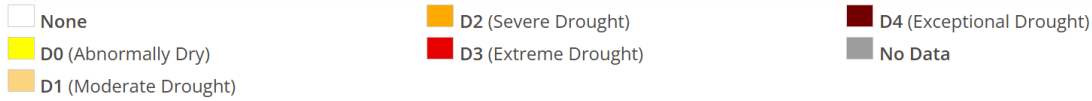
Figure 2: Percent of Normal precipitation at each NDAWN station

It was a dryer January than normal, with little snow falling across the state. The most precipitation fell at the Cavalier NDAWN station in Pembina County, with 0.53 inches. The driest station was the Stanley NDAWN station in Mountrail County with just 0.06 inches of precipitation, further cementing the dry spell dominating the Northwest. Though January is typically a dry month, it has been below average since 2012.

Historical January Precipitation in North Dakota



Precipitation



Statistics Comparison

Week	None	D0-D4	D1-D4	D2-D4	D3-D4	D4	DSCI
2025-01-07	32.88	12.21	26.13	15.79	12.99	0.00	164
2025-01-28	32.88	12.21	26.60	23.73	4.58	0.00	155
Change	0.00	0.00	0.47	7.94	-8.41	0.00	-9

Figure 3: U.S. Drought Monitor conditions comparing January 7 2025 (Left) and January 28 2025 (Right)

Drought conditions changed significantly from the start of January to the final week, despite the lack of precipitation and season. D3 Extreme Drought conditions were lessened in the Southwest part of the state by about 8.4%. This region had snowmelt at the end of the month, but is ultimately below average precipitation over the past 60 days.

Temperature

The temperatures to start off 2025 could be described as a roller coaster. Temperatures ranged from -35°F to 50°F ! Very impressive for the month of January and a testament to the lack of precipitation, both before and after the ground froze. However, the cold snaps ensured that the average temperature would be below normal by about 1°F , at 9.4°F .

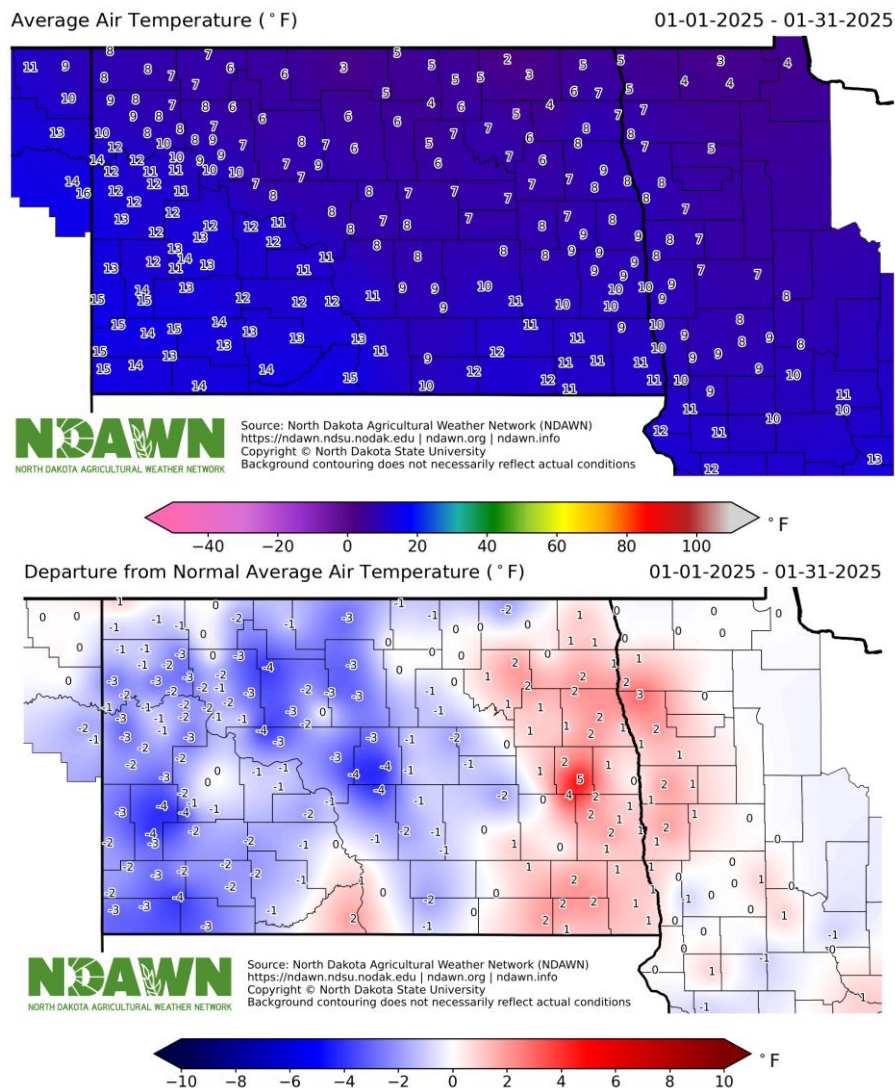


Figure 4: Average Air Temperature (Top) and Departure from Normal Average Air Temperature (Bottom) at all NDAWN stations

Temperature

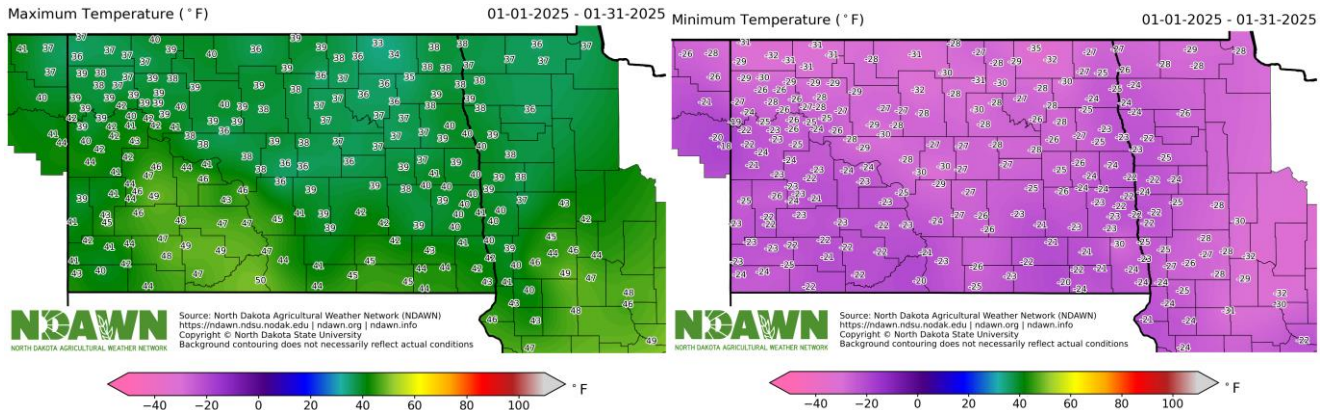
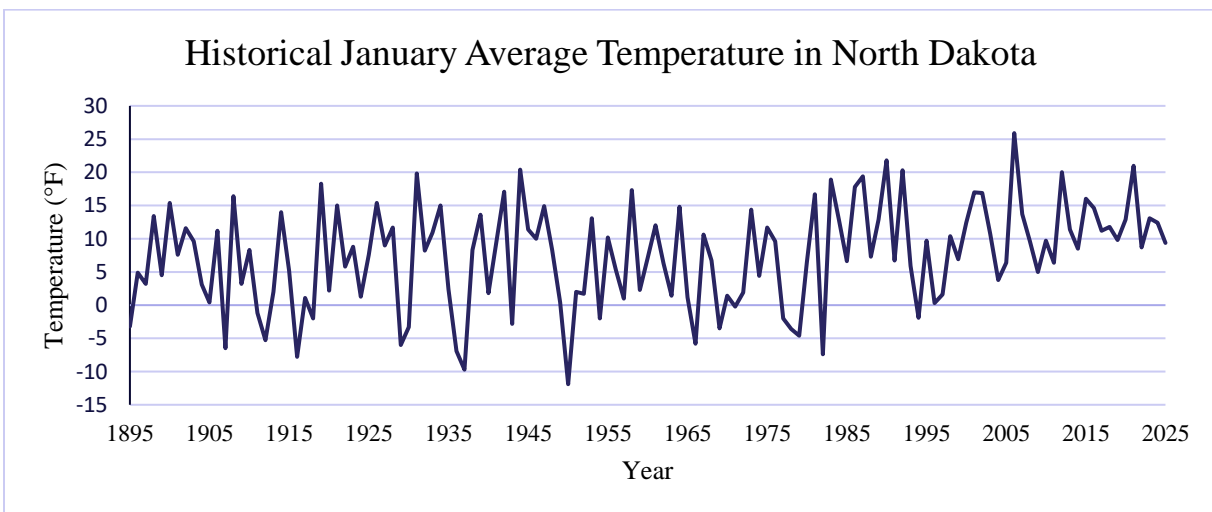


Figure 5: Maximum Temperature (Left) and Minimum Temperatures (Right) recorded at each NDAWN Station in January

The warmest temperature recorded by NDAWN in January was 50°F and occurred at the Fort Yates station in Sioux County. The coldest, on the opposite side of the state was -35°F at the Wales NDAWN station. An impressive 85°F spread in January.



North Dakota January Precipitation Summary

	Precipitation	Normal	Anomaly	Rank	Record Year
<i>January 2025</i>	0.21"	0.51"	-0.30"	116 th Wettest	1916
				16 th Driest	1973 & 1942

Table 1: Ranking from NCEI NOAA based on data from January 1895-2025. Precipitation amounts averaged from records at NDAWN stations in North Dakota.

North Dakota January Temperature Summary

<i>January 2025 Temperature Summary</i>	Average T	Avg max T	Avg min T	Maximum	Minimum
	9.4°F	18.8°F	-0.04°F	50°F	-35°F
Anomaly	-0.9°F	-1.2°F	-0.5°F		
Rank					
Warmest	60 th warmest	60 th Warmest	57 th warmest		
Coolest	72 nd Coldest	72 nd Coldest	75 th Coldest		
Record					
Warmest	25.9°F (2006)	33.1°F (2006)	18.7°F (2006)	70°F (Medora, 1900)	
Coolest	-11.9°F (1950)	-2.8°F (1950)	-21.0°F (1950)		-55°F (Minnewaukan, 1899)

Table 2: January temperature summary for North Dakota. 2025 statistics from NDAWN station data. Ranking and records based on NCEI climate data (1895-2025) (NOAA).