

Spring 2024 (March Through May) Utah Temperature and Precipitation Outlook

Created: 3/08/2024

Author: Kevin Shaffer

Winter 2023 Temperature and Precipitation Summary:

Salt Lake City:

Average Temperature: 37.3°F (3.9°F above average)

Precipitation: 5.59" (1.46" above normal)

Logan:

Average Temperature: 29.5°F (2.8°F above average)

Precipitation: 6.84" (1.71" above normal)

Vernal:

Average Temperature: 29.2°F (6.4°F above average)

Precipitation: 2.26" (0.47" above normal)

Moab/Canyonlands Airport:

Average Temperature: 34.9°F (3.4°F above average)

Precipitation: 2.00" (0.17" below normal)

Cedar City:

Average Temperature: 34.6°F (3.3°F above average)

Precipitation: 3.27" (0.59" above normal)

St George:

Average Temperature: 44.6°F (2.1°F above average)

Precipitation: 2.84" (0.62" below normal)

Winter 2023 Summary:

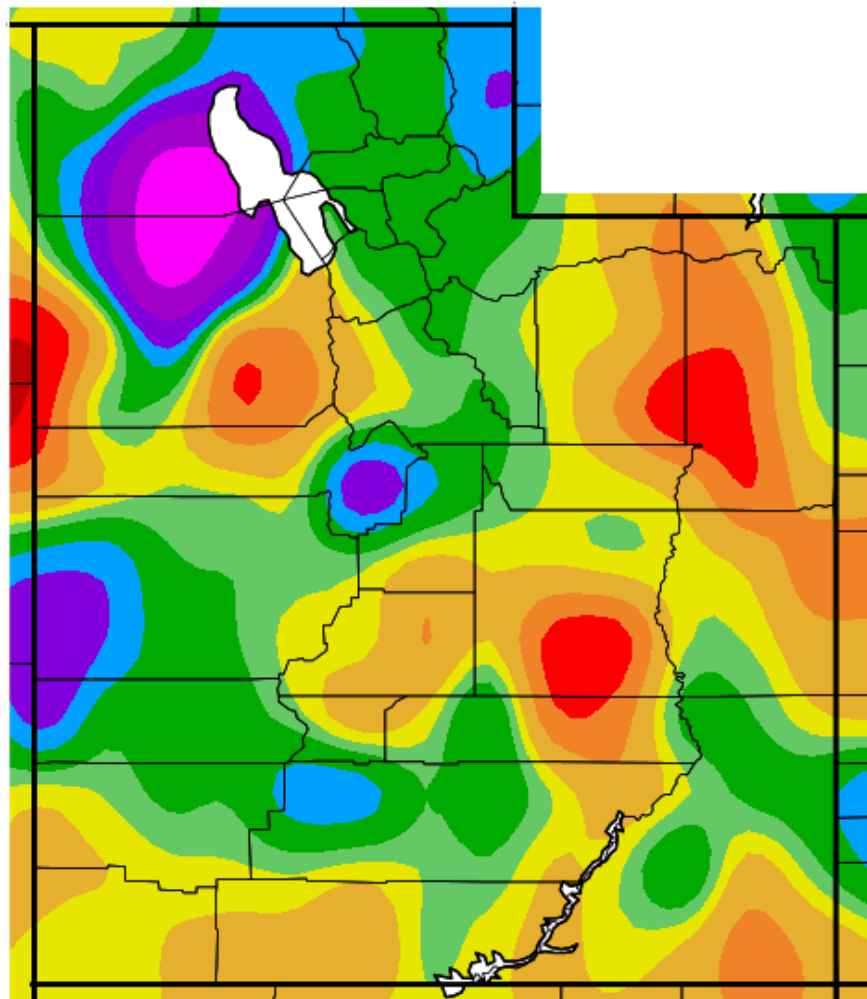
This winter really started off with a whimper. Outside of a few weak storms in early December that gave some valley rain and mountain snow to R1/R2, December was a very dry month.

There weren't many storms that came through, and with a lack of snow on the ground there weren't any truly inverted days to keep us as cold as usual.

January was much more active, with several atmospheric river storms mid-month that hit the state from all directions. These brought a lot of snow to the mountains, but the valleys were generally near normal in regards to precip. Atmospheric rivers are generally quite warm, so they kept the state warmer than normal despite all the mountain snow.

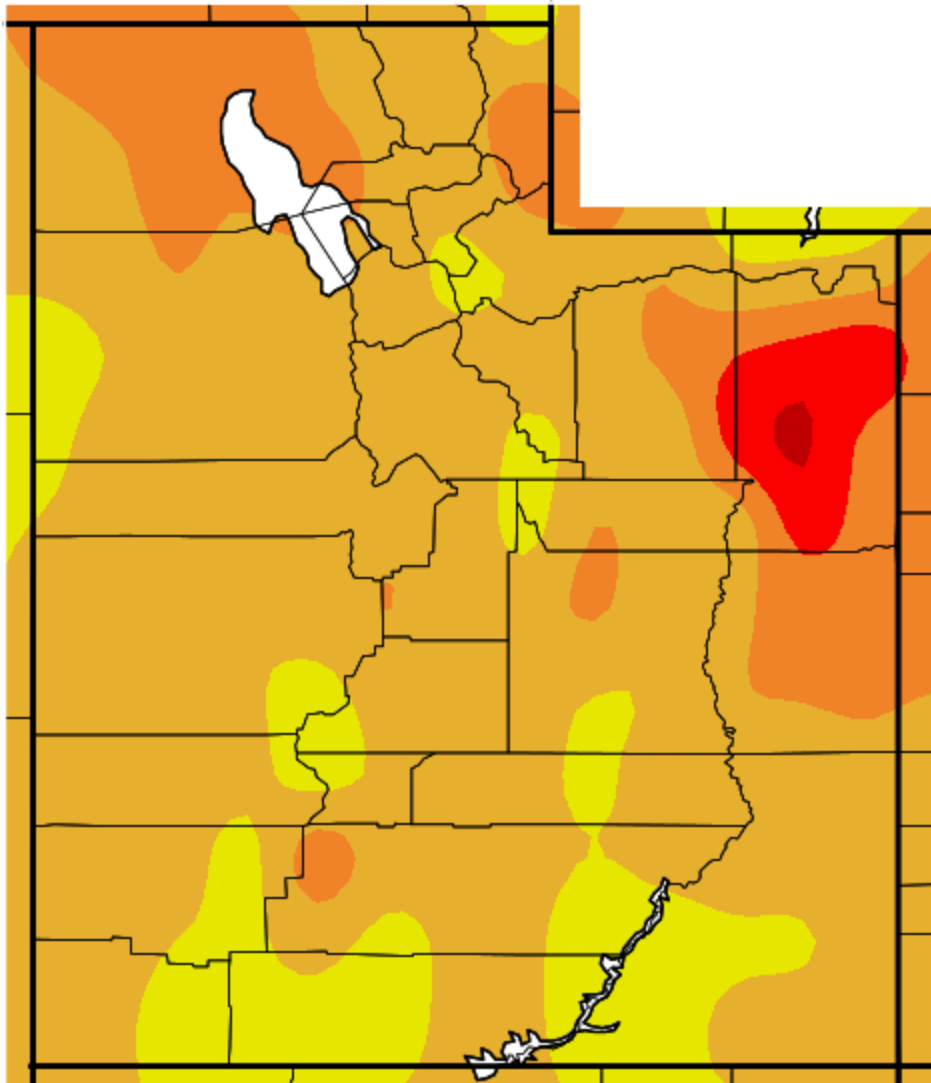
February was incredibly active, with SLC hitting its all time February precip record. February's storms were mostly cold fronts, and the valleys saw their highest snow totals of the winter. Most valleys also saw a lot of rain, which contributed to over 3" of precip in SLC and Logan.

Percent of Average Precipitation (%) 12/9/2023 – 3/7/2024



Generated 3/ 8/2024 at WRCC using provisional data.
NOAA Regional Climate Centers

Ave. Temperature dep from Ave (deg F)
12/9/2023 – 3/7/2024



Generated 3/ 8/2024 at WRCC using provisional data.
NOAA Regional Climate Centers

March-May Averages:

Tremonton:

March Average High/Low Temperature: 53/32
April Average High/Low Temperature: 61/37
May Average High/Low Temperature: 70/46
March Average Total Monthly Precipitation: 1.33"
April Average Total Monthly Precipitation: 1.43"
May Average Total Monthly Precipitation: 2.03"

Logan:

March Average High/Low Temperature: 48/30
April Average High/Low Temperature: 57/36
May Average High/Low Temperature: 67/44
March Average Total Monthly Precipitation: 2.17"
April Average Total Monthly Precipitation: 2.26"
May Average Total Monthly Precipitation: 2.41"

Ogden:

March Average High/Low Temperature: 55/33
April Average High/Low Temperature: 62/39
May Average High/Low Temperature: 73/48
March Average Total Monthly Precipitation: 2.27"
April Average Total Monthly Precipitation: 2.45"
May Average Total Monthly Precipitation: 2.58"

Salt Lake City:

March Average High/Low Temperature: 55/36
April Average High/Low Temperature: 62/42
May Average High/Low Temperature: 73/50
March Average Total Monthly Precipitation: 1.75"
April Average Total Monthly Precipitation: 2.16"
May Average Total Monthly Precipitation: 1.82"

Alta:

March Average High/Low Temperature: 37/20
April Average High/Low Temperature: 42/25
May Average High/Low Temperature: 53/33
March Average Total Monthly Precipitation: 6.17"
April Average Total Monthly Precipitation: 24.78"
May Average Total Monthly Precipitation: 3.47"

Wendover:

March Average High/Low Temperature: 54/33
April Average High/Low Temperature: 62/41
May Average High/Low Temperature: 72/50

*March Average Total Monthly Precipitation: 0.33”
April Average Total Monthly Precipitation: 0.36”
May Average Total Monthly Precipitation: 0.58”*

Vernal:

*March Average High/Low Temperature: 51/27
April Average High/Low Temperature: 60/34
May Average High/Low Temperature: 70/43
March Average Total Monthly Precipitation: 0.68”
April Average Total Monthly Precipitation: 0.75”
May Average Total Monthly Precipitation: 1.04”*

Cedar City:

*March Average High/Low Temperature: 54/30
April Average High/Low Temperature: 61/35
May Average High/Low Temperature: 70/44
March Average Total Monthly Precipitation: 1.42”
April Average Total Monthly Precipitation: 1.20”
May Average Total Monthly Precipitation: 1.00”*

Moab/Canyonlands Airport:

*March Average High/Low Temperature: 65/36
April Average High/Low Temperature: 72/43
May Average High/Low Temperature: 83/51
March Average Total Monthly Precipitation: 0.70”
April Average Total Monthly Precipitation: 0.77”
May Average Total Monthly Precipitation: 0.82”*

Monticello:

*March Average High/Low Temperature: 50/26
April Average High/Low Temperature: 59/31
May Average High/Low Temperature: 69/39
March Average Total Monthly Precipitation: 1.09”
April Average Total Monthly Precipitation: 0.88”
May Average Total Monthly Precipitation: 0.89”*

St George:

*March Average High/Low Temperature: 68/39
April Average High/Low Temperature: 75/46
May Average High/Low Temperature: 85/56
March Average Total Monthly Precipitation: 1.02”
April Average Total Monthly Precipitation: 0.66”
May Average Total Monthly Precipitation: 0.33”*

Spring Outlook:

3-month average temperatures for March, April, and May are expected to be **near normal** for the entire state.

3-month average precipitation for March, April, and May are expected to be **near normal** for the entire state.

Discussion:

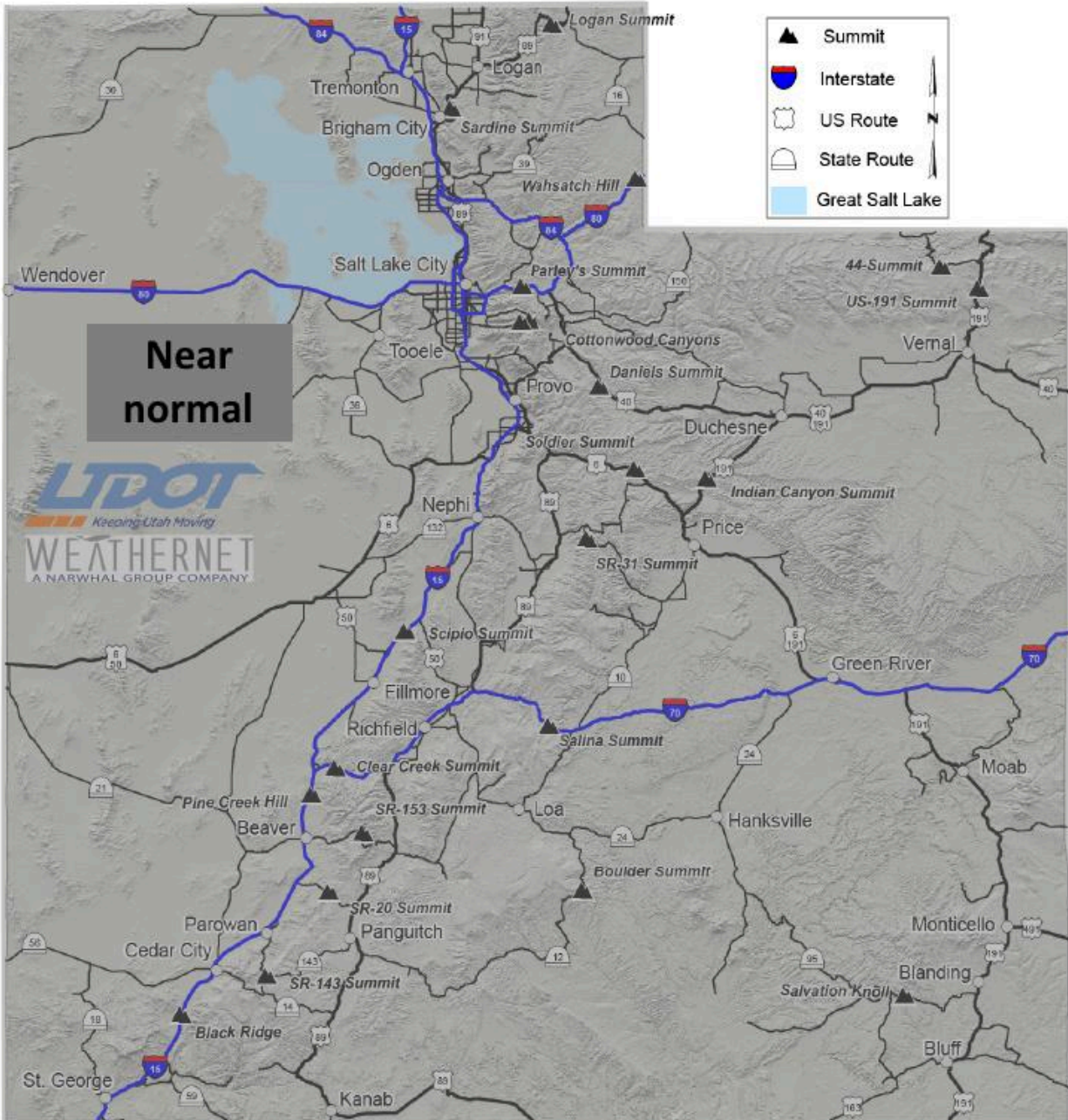
As the sun moves higher and higher in the sky, Utah becomes less and less impacted by inversions and more and more prone to convective storms. Temperatures statewide see a marked increase beginning in March, but some early season cold fronts should keep temperatures near normal for the time being. They will also help keep precipitation near, or slightly below, normal for Northern Utah, while far Southern Utah gets mostly left out.

Long-range guidance is showing a decent signal for a cold and wet April. Specifically, models are expecting a very active and unusually cold middle of the month. However, that trend reverses again as we head into May, with most guidance suggesting a mild but dry late Spring.

Overall, that should put us at near normal for both precipitation and temperature over the next 3 months.

Precipitation and Temperature Outlook Maps:

Spring 2024 Precipitation Outlook



Spring 2024 Temperature Outlook

