

Fall 2024 (September Through November) Utah Temperature and Precipitation Outlook

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Summer 2024 Temperature and Precipitation Summary:

Salt Lake City:

Summer Mean High Temperature: 93.3°F (3.4°F above normal)

Summer Mean Low Temperature: 64.6°F (0.3°F above normal)

Summer Total Precipitation: 1.54" (0.48" below normal)

Logan:

Summer Mean High Temperature: 87.2°F (3.0°F above normal)

Summer Mean Low Temperature: 54.0°F (3.0°F below normal)

Summer Total Precipitation: 1.45" (1.10" below normal)

Vernal:

Summer Mean High Temperature: 90.8°F (5.4°F above normal)

Summer Mean Low Temperature: 56.0°F (1.9°F above normal)

Summer Total Precipitation: 1.41" (0.53" below normal)

Moab/Canyonlands Airport:

Summer Mean High Temperature: 95.6°F (8.9°F above normal)

Summer Mean Low Temperature: 64.4°F (0.7°F below normal)

Summer Total Precipitation: 3.45" (1.02" above normal)

Cedar City:

Summer Mean High Temperature: 92.0°F (3.9°F above normal)

Summer Mean Low Temperature: 58.8°F (5.1°F above normal)

Summer Total Precipitation: 1.31" (1.05" below normal)

St George:

Summer Mean High Temperature: 102.9°F (3.5°F above normal)

Summer Mean Low Temperature: 75.1°F (6.3°F above normal)

Summer Total Precipitation: 1.64" (0.09" below normal)

Summer 2024 Summary:

June was extremely hot statewide. There were also very few storms until the last third of the month, when SE Utah saw some widespread thunderstorms, some of which produced flash flooding. This led to vast differences in rainfall across the state, with the Blanding area seeing **2-3"** of rain, while Northern Utah saw about 0.3" and St George saw no rain at all.

July was a warm, but otherwise pretty typical summer month for Utah. Scattered storms occurred most afternoons across the higher peaks, and a few localized spots saw one or two heavy rainstorms that brought them above normal for the month (mainly the west desert and the Bear Lake area). Temperatures were even warmer than usual, and many cities broke daily high temperature records at times throughout the month. Overall, though, July was not as anomalously hot and dry as June was.

The monsoon finally arrived in August, and gave much of the state some much-needed rain. The central and eastern portions of the state received the most rainfall, with localized flooding occurring on several different days. The entire I-15 corridor saw at least near-normal rainfall for the month of August. Temperatures, however, remained very warm. The first half of the month, in particular, was much warmer than normal. The back half of the month saw our first significant cold front since Spring, and temperatures were generally closer to normal.

September-November Averages:

Salt Lake City:

September Average High/Low Temperature: 80/52

October Average High/Low Temperature: 66/41

November Average High/Low Temperature: 50/30

September Average Total Monthly Precipitation: 0.97"

October Average Total Monthly Precipitation: 1.31"

November Average Total Monthly Precipitation: 1.30"

Logan:

September Average High/Low Temperature: 79/43

October Average High/Low Temperature: 63/33

November Average High/Low Temperature: 47/24

September Average Total Monthly Precipitation: 1.18"

October Average Total Monthly Precipitation: 1.37"

November Average Total Monthly Precipitation: 1.13"

Vernal:

September Average High/Low Temperature: 78/47

October Average High/Low Temperature: 62/35

November Average High/Low Temperature: 47/23

September Average Total Monthly Precipitation: 1.20"

October Average Total Monthly Precipitation: 1.02"

November Average Total Monthly Precipitation: 0.44"

Moab/Canyonlands Airport:

September Average High/Low Temperature: 84/53

October Average High/Low Temperature: 69/40

November Average High/Low Temperature: 53/27

September Average Total Monthly Precipitation: 0.80"

October Average Total Monthly Precipitation: 0.90"

November Average Total Monthly Precipitation: 0.36"

Cedar City:

September Average High/Low Temperature: 80/47

October Average High/Low Temperature: 67/36

November Average High/Low Temperature: 53/25

September Average Total Monthly Precipitation: 0.80"

October Average Total Monthly Precipitation: 1.03"

November Average Total Monthly Precipitation: 0.85”

St George:

September Average High/Low Temperature: 93/62

October Average High/Low Temperature: 80/49

November Average High/Low Temperature: 64/37

September Average Total Monthly Precipitation: 0.56”

October Average Total Monthly Precipitation: 0.69”

November Average Total Monthly Precipitation: 0.65”

Fall Outlook:

3-month average temperatures for September, October, and November are expected to be **above normal** for the entire state.

3-month total precipitation for September, October, and November is expected to be **near normal** for the entire state.

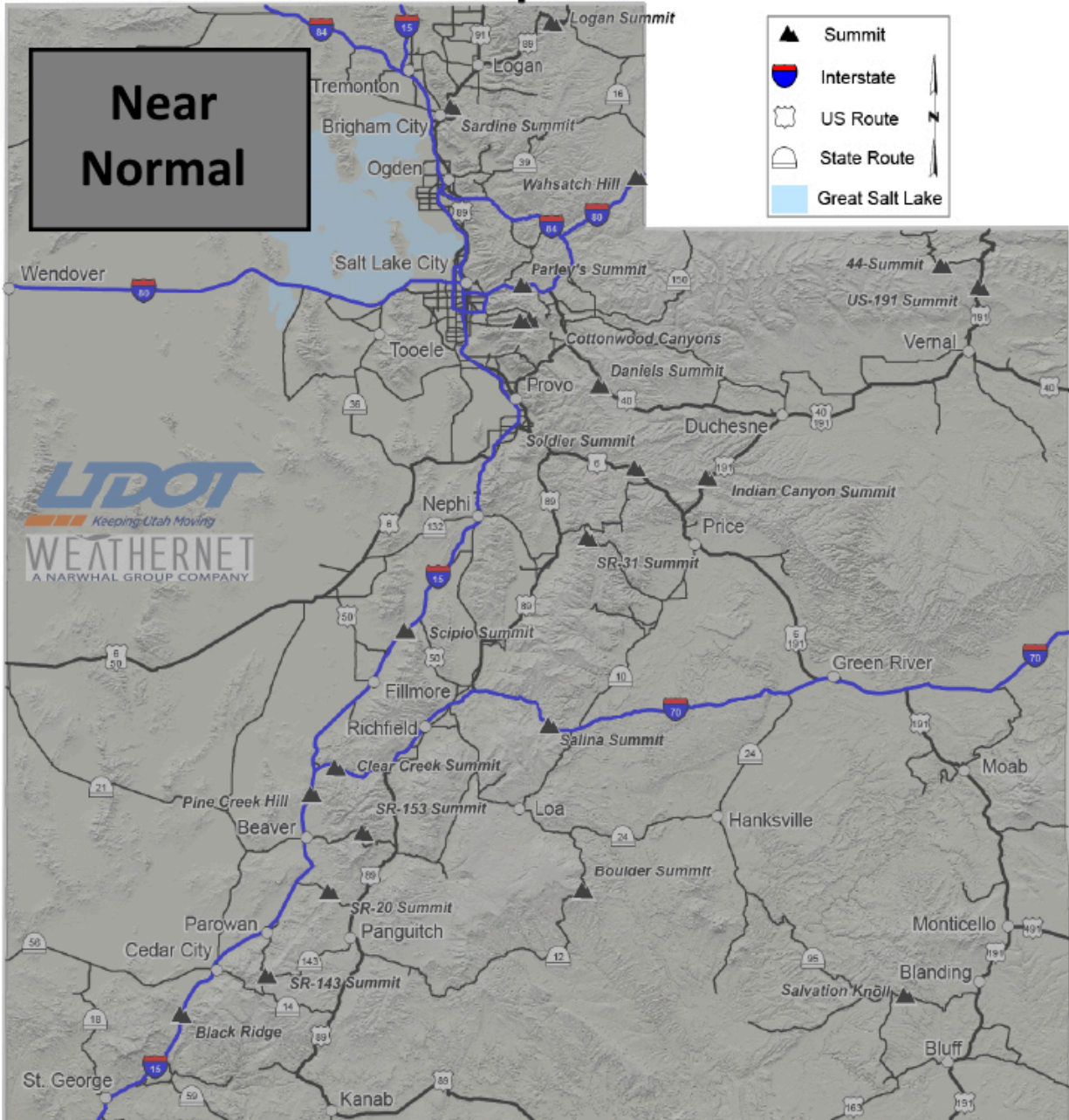
Discussion:

This Fall starts off with Utah sitting under a ridge of high pressure, which should keep temperatures well above normal through September. Precipitation is a bit more uncertain, but in general it looks like Northern Utah will be drier than normal, while SW Utah will be near normal. This ridge should break down sometime in the second half of the month, making our weather pattern much more active.

The Pacific Ocean is currently in a temperature-neutral state, meaning that we aren't in El Nino or La Nina. However, it looks like we are trending towards a La Nina by the end of the year. There isn't a strong correlation between La Nina and the weather in Utah, but it tends to bring more cold fronts through the Pacific NW, possibly enhancing precipitation across the Wasatch.

Precipitation and Temperature Outlook Maps:

Fall 2024 Precipitation Outlook



Fall 2024 Temperature Outlook

Above Normal

- ▲ Summit
- 🛣 Interstate
- 🛣 US Route
- 🛣 State Route
- 🌊 Great Salt Lake

