

MARCH 2025 WEATHER SUMMARY FOR THE CENTRAL CALIFORNIA INTERIOR

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Number of Days with Freezing Overnight Low Temperatures (Season - November 1st to March 31st)

Bakersfield: March total: 0 (Normal: 1). Season to date total: 3 (Normal: 10).

Fresno: March total: 0 (Normal: 1). Season to date total: 0 (Normal: 11).

Hanford: March total: 0 (Normal: 4). Season to date total: 18 (Normal: 26).

Madera: March total: 0 (Normal: 3). Season to date total: 17 (Normal: 22).

Merced: March total: 0 (Normal: 4). Season to date total: 18 (Normal: 24).

March began with dry conditions and above average temperatures on the 1st. A storm moved through on the 2nd and brought some rain before cooler temperatures dominated on the 3rd and 4th. The next storm moved through on the 5th and 6th and brought even more rain and snow to the area. This was followed by a dry and warming pattern on the 7th to the 11th. A major atmospheric river event precipitated large snow and rain amounts on the 12th through 14th. There was a break until the next event on the 17th and 18th. The 17th brought a number of severe thunderstorm warnings and even 2 tornado warnings in Merced, Mariposa, and Tuolumne Counties due to funnel clouds and rotation signatures shown on radar. The 19th began a gradual warming trend through the 25th. The 25th saw the highest temperatures to date with Bakersfield setting a record high of 91 degrees for the date. Warmer than average temperatures continued until the 27th before cooling back to near seasonal normals by the 28th. Unsettled weather returned by the 30th with another round of precipitation. Showers and thunderstorms developed on the 31st as the unstable and unsettled pattern remained in the region. The month ended with below average temperatures and mainly above average precipitation.

Table 1 – March 2025 Summary Statistics– NWS Hanford, CA ASOS Sites						
Location	Monthly Average Temp (deg F)	Departure from Average (deg F)	Temperature Rank	Total Monthly Precipitation (inches)	Departure from Normal (inches)	Precipitation Rank
Bakersfield	57.0	-1.6	Tied for 54th coolest	1.49	+0.34	33rd wettest
Fresno	56.3	-1.1	Tied for 55th warmest	3.34	+1.44	21st wettest
Hanford	55.0	-1.7	59th coolest	2.08	+0.59	31st wettest
Madera	53.8	-2.3	38th coolest	3.20	+1.22	18th wettest
Merced	54.1	-1.1	Tied for 61st warmest and coolest	3.41	+1.59	20th wettest

Table 2 – Seasonal Precipitation for ASOS Locations (ending on March 31st, 2025)						
Location	Since Jan 1st (inches)	Departure From Average (inches)	Since Jul 1st (inches)	Departure From Average (inches)	Since Oct 1st (inches)	Departure From Normal (inches)
Bakersfield	2.34	-1.18	3.93	-1.48	3.93	-1.53
Fresno	5.08	-0.91	8.07	-1.22	8.04	-1.17
Hanford	3.30	-1.19	5.95	-1.04	5.93	-1.00

Madera	4.43	-1.62	7.69	-1.58	7.69	-1.54
Merced	5.46	-0.93	8.37	-1.64	8.37	-1.59

Table 3– Warmest High Temperatures and Coolest Low Temperatures of the Month for ASOS Locations

Location	High	Date(s)	Low	Date(s)
Bakersfield	91	25th	37	7th
Fresno	88	25th	39	7th
Hanford	88	25th	35	7th
Madera	84	25th	34	7th
Merced	84	25th	34	7th & 19th

Daily Records Set During March 2025

Bakersfield

13th - Record low maximum temperature of 53 degrees reached, which tied the record low maximum temperature last set for the date in 1969.

25th - Record high maximum temperature of 91 degrees was set, which broke the old record high of 90 degrees set for the date in 1997.

Fresno

13th - Record low maximum temperature of 53 degrees reached, which tied the record low maximum temperature last set for the date in 1981.

Hanford

No records reached this month.

Madera

13th - Record low maximum temperature of 51 degrees reached, which tied the record low maximum temperature last set for the date in 1969.

Merced

No records reached this month.

Fig 1 – Departure from Average Temperature for this month

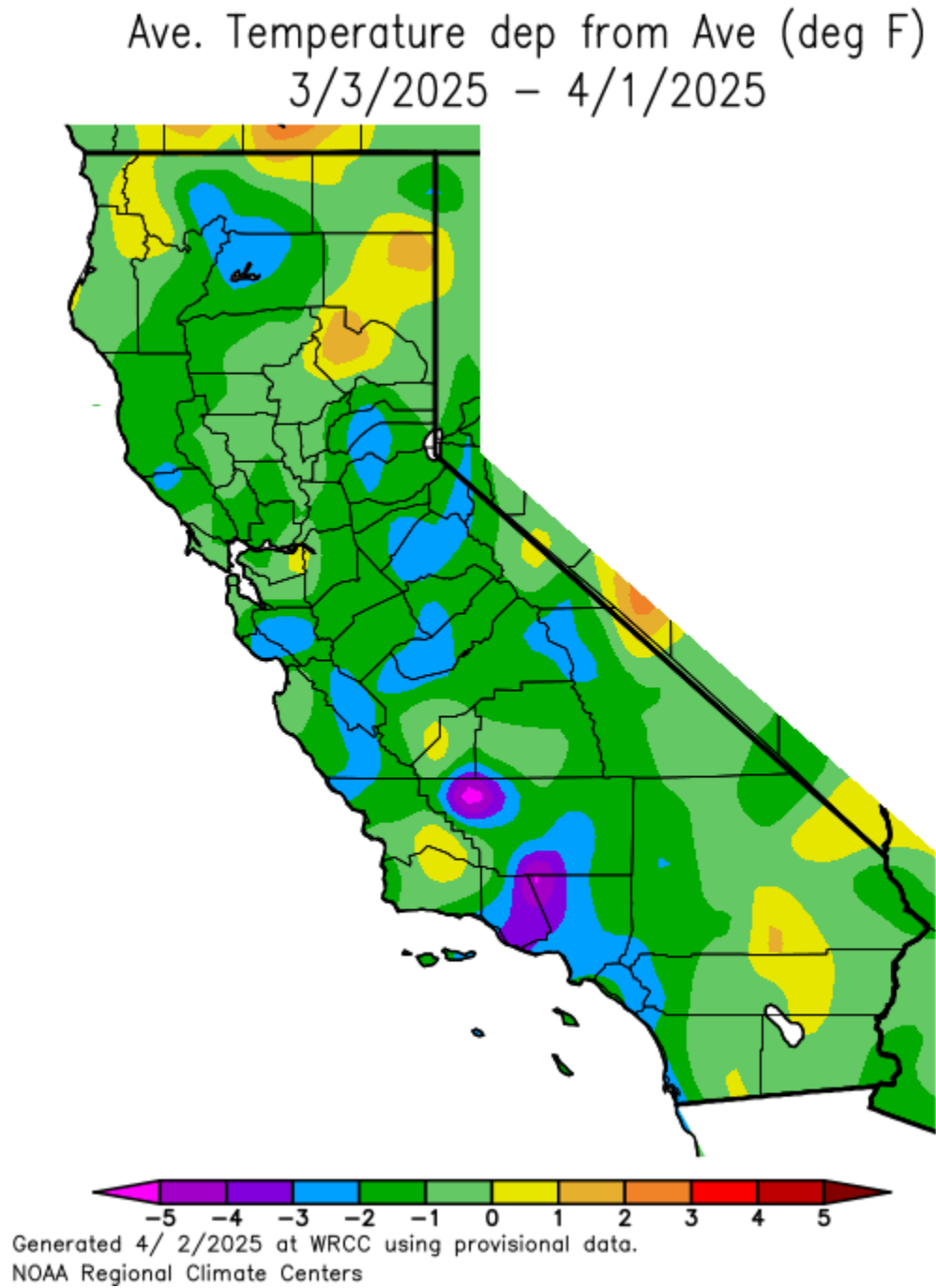
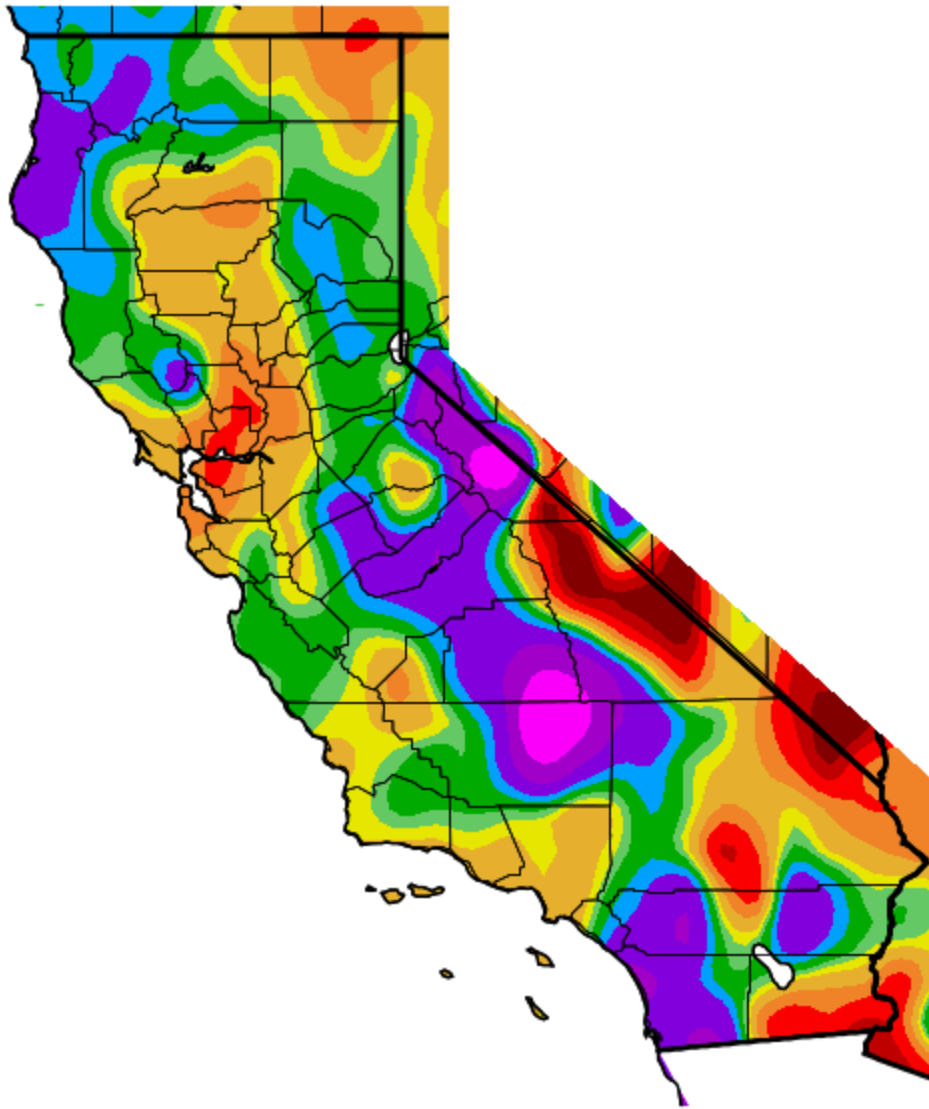


Fig 2 – Percent of Average Precipitation for this month

Percent of Average Precipitation (%)
3/3/2025 – 4/1/2025



Generated 4/ 2/2025 at WRCC using provisional data.
NOAA Regional Climate Centers