

## Storm Data and Unusual Weather Phenomena - October 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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### CALIFORNIA, South Central

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(CA-Z300) WEST SIDE MOUNTAINS NORTH OF HIGHWAY 198, (CA-Z301) LOS BANOS-DOS PALOS, (CA-Z302) MERCED-MADERA-MENDOTA, (CA-Z303) PLANADA-LEGRAND-SNELLING, (CA-Z304) COALINGA - AVENAL, (CA-Z305) WEST SIDE OF FRESNO AND KINGS COUNTIES, (CA-Z306) CARUTHERS - SAN JOAQUIN - SELMA, (CA-Z307) FRESNO - CLOVIS, (CA-Z308) WEST SIDE MOUNTAINS SOUTH OF HIGHWAY 198, (CA-Z309) BUTTONWILLOW- LOST HILLS - I5, (CA-Z310) DELANO - WASCO - SHAFTER, (CA-Z311) HANFORD - CORCORAN - LEMOORE, (CA-Z312) VISALIA - PORTERVILLE - REEDLEY, (CA-Z313) BUENA VISTA, (CA-Z314) BAKERSFIELD, (CA-Z315) SOUTHEAST SAN JOAQUIN VALLEY, (CA-Z316) SOUTH END SAN JOAQUIN VALLEY, (CA-Z317) MARIPOSA - MADERA FOOTHILLS, (CA-Z318) MARIPOSA - MADERA LOWER SIERRA, (CA-Z319) FRESNO - TULARE FOOTHILLS, (CA-Z320) FRESNO - TULARE LOWER SIERRA, (CA-Z321) SOUTH END SIERRA FOOTHILLS, (CA-Z322) SOUTH END OF THE LOWER SIERRA

	10/02/24 10:00 PST	0	Heat
	10/06/24 19:00 PST	0	

A large upper ridge strengthened over California on October 1 and 2 then remained over the region through October 6. This resulted in several days of record heat over the San Joaquin Valley, West Side Hills and Sierra Foothills. October 3 was the hottest day of the heat wave as several long standing all time record highs for the month of October were exceeded. The ridge finally shifted east into the Desert Southwest region on October 7 which reduced the heat impact across the area, but not before 3 additional days with several records being broken. Temperatures finally cooled down to below record levels by October 10 as a weak shortwave trough moved into California.

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(CA-Z306) CARUTHERS - SAN JOAQUIN - SELMA, (CA-Z312) VISALIA - PORTERVILLE - REEDLEY

	10/13/24 07:20 PST	0	Dense Fog
	10/13/24 09:05 PST	0	

Skies cleared out across the area behind a trough which moved through central California on October 12 and brought a cooler airmass to the area. The airmass also had higher humidity in the lower levels which had pushed into the area behind the trough. As skies cleared out during the morning of October 13, an area of dense fog formed toward sunrise along the SR 99 corridor between Selma and Tulare with webcams showing the lowest visibility in east Visalia. The fog lifted into stratus deck within two hours and completely dissipated by late morning.

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(CA-Z326) UPPER SAN JOAQUIN RIVER, (CA-Z331) SOUTH END OF THE UPPER SIERRA, (CA-Z334) TEHACHAPI, (CA-Z338) MOJAVE DESERT SLOPE(S)

	10/16/24 20:26 PST	0	High Wind (MAX 65 kt)
	10/18/24 04:52 PST	0	

An upper level trough moved into central California on October 16 bringing some light precipitation to the area between the afternoon of October 16 and the afternoon of October 17 along with a period of increased winds between the evening of October 16 and the morning of October 18. Precipitation amounts were fairly paltry with most of the area picking up trace amounts to a few hundredths of an inch although portions of Yosemite National Park picked up between a quarter and a half inch of liquid precipitation with the snow level running around 9000 feet. This system also produced strong wind gusts along the Sierra Nevada and Tehachapi Mountains as well as across the Mojave Desert Slopes in eastern Kern County. Several stations measured gusts in excess of 45 mph while a few low impact indicator stations measured gusts in excess of 60 mph.

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(CA-Z331) SOUTH END OF THE UPPER SIERRA, (CA-Z338) MOJAVE DESERT SLOPE(S)

	10/28/24 02:32 PST	0	High Wind (MAX 68 kt)
	10/28/24 05:26 PST	0	

An upper level trough dropped southeast out of the Gulf of Alaska on October 27 and pushed into the Pacific Northwest the following day. A cold front associated with the trough pushed through central California on October 28 bringing cooler temperatures and light precipitation to the areas as well as a period of gusty winds to eastern Kern County where several stations measured wind gusts exceeding 45 mph and a few low impact indicator sites reported gusts in excess of 60 mph.