

Storm Data and Unusual Weather Phenomena - April 2024

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

(CA-Z321) SOUTH END SIERRA FOOTHILLS, (CA-Z323) YOSEMITE NP OUTSIDE OF THE VALLEY, (CA-Z326) UPPER SAN JOAQUIN RIVER, (CA-Z327) KAISER TO RODGERS RIDGE, (CA-Z330) SEQUOIA NP, (CA-Z331) SOUTH END OF THE UPPER SIERRA

04/04/24 10:00 PST		0		Heavy Snow
04/05/24 18:00 PST		0		

(CA-Z300) WEST SIDE MOUNTAINS NORTH OF HIGHWAY 198, (CA-Z334) TEHACHAPI, (CA-Z337) INDIAN WELLS VALLEY, (CA-Z338) MOJAVE DESERT SLOPE(S)

04/04/24 13:26 PST		0		High Wind (MAX 67 kt)
04/05/24 21:50 PST		0		

TULARE COUNTY --- 1.4 S CINOWTHS CORNER [36.31, -119.33]

04/05/24 15:50 PST		0		Hail (0.75 in)
04/05/24 15:50 PST		0		Source: Social Media

Social media report of penny sized hail in southwest Visalia.

(CA-Z335) GRAPEVINE

04/05/24 20:00 PST		0		Winter Weather
04/05/24 21:00 PST		0		

A large cold upper trough moved across California on April 4 and 5 bringing significant rainfall, heavy mountain snowfall and strong winds to the interior of central California. The precipitation began during the morning of April 4 from Fresno County northward. The precipitation then spread southward by the evening of April 4 and brought a cold and unstable airmass to the area which provided for showers and thunderstorms which produced small hail during the afternoon and evening of April 5. Several higher elevations SNOTELs picked up an estimated 12 to 20 inches of new snowfall while precipitation totals were generally a quarter to half an inch of rain in the San Joaquin Valley, a half inch to an inch of liquid precipitation in the Sierra foothills and three quarters of an inch to an inch and a half of liquid precipitation in the higher Sierra Nevada. Snow levels were around 6000 feet at the onset of the precipitation during the morning of April 4, but rapidly lowered to around 3000 feet during the morning of April 5 as cooler air pushed into the area. Travel was adversely impacted in the Sierra foothills and also in the Tehachapi Mountains where travel along Interstate 5 was halted by a one hour closure of the Tejon Pass during the evening of April 5 due to snow and strong winds. In addition to the precipitation several stations reported wind gusts exceeding 60 mph. The precipitation ended by the early morning of April 6 as the cold trough moved east into the Great Basin area.

(CA-Z308) WEST SIDE MOUNTAINS SOUTH OF HIGHWAY 198, (CA-Z309) BUTTONWILLOW- LOST HILLS - I5, (CA-Z312) VISALIA - PORTERVILLE - REEDLEY, (CA-Z313) BUENA VISTA, (CA-Z314) BAKERSFIELD, (CA-Z332) KERN RIVER VALLEY

04/13/24 12:30 PST		68K		Strong Wind (MAX 39 kt)
04/13/24 16:00 PST		0		

(CA-Z300) WEST SIDE MOUNTAINS NORTH OF HIGHWAY 198, (CA-Z316) SOUTH END SAN JOAQUIN VALLEY, (CA-Z332) KERN RIVER VALLEY, (CA-Z338) MOJAVE DESERT SLOPE(S)

04/13/24 12:40 PST		0		High Wind (MAX 55 kt)
04/13/24 19:32 PST		0		

KINGS COUNTY --- 1.8 ENE GUERNSEY [36.23, -119.60], 1.7 ENE GUERNSEY [36.23, -119.60], 1.6 ENE GUERNSEY [36.23, -119.60], 1.8 ENE GUERNSEY [36.23, -119.60]

04/13/24 17:17 PST		0		Flood (due to Heavy Rain)
04/13/24 19:17 PST		0		Source: Law Enforcement

California Highway Patrol reported flooding on SR 43 north of Kent Ave.

A large upper low pressure system approached the central California coast on April 13 spreading increased clouds and precipitation into the interior of central California during the afternoon while temperatures plummeted as a cooler airmass pushed into the area. The most noticeable impact from this system was strong wind gusts which accompanied the main cold front. Several reports of wind gusts exceeding 45 mph were reported during the early afternoon of April 13 while a few stations reported gusts above 60 mph. There were several law enforcement reports of trees downed in the San Joaquin Valley. This system also produced widespread precipitation across the area as the low moved across the area with several stations picking up between a half inch and an inch of liquid precipitation. The precipitation mainly fell as snow above 5000 feet and several higher elevation SNOTELs in the Sierra Nevada picked up an estimated 4 to 8 inches of new snowfall. The precipitation continued until the afternoon of April 14 when showers tapered off as the upper low

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moved to the east of the area.

(CA-Z331) SOUTH END OF THE UPPER SIERRA, (CA-Z334) TEHACHAPI, (CA-Z337) INDIAN WELLS VALLEY, (CA-Z338) MOJAVE DESERT SLOPE(S), (CA-Z339) MOJAVE DESERT

04/25/24 18:32 PST	0	High Wind (MAX 63 kt)
04/26/24 22:40 PST	0	

A deep upper trough moved through central California on April 25 and 26. This system produced scattered showers across the area during the morning of April 26 and also brought a period of strong winds across the Mojave Desert slopes in Kern County between the afternoon of April 25 and the evening of April 26 where several stations reported gusts exceeding 60 mph. Several stations across the remainder of the Kern County mountains and deserts reported gusts exceeding 45 mph during this same time period.

(CA-Z338) MOJAVE DESERT SLOPE(S)

04/29/24 22:10 PST	0	High Wind (MAX 56 kt)
04/30/24 20:40 PST	0	

An upper trough moved slowly eastward across the Pacific Northwest while an upper ridge remained off the California coast. Interaction between these two features produced a strong onshore wind gradient resulting in a period of gusty downslope winds along the Mojave Desert Slopes between the evening of April 29 and the evening of April 30. Several stations reported gusts exceeding 45 mph during this period while a few stations had gusts above 60 mph.