

Storm Data and Unusual Weather Phenomena - May 2024

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
----------	-----------	-------------------	---------------------	------------------------

CALIFORNIA, South Central

(CA-Z323) YOSEMITE NP OUTSIDE OF THE VALLEY

	05/04/24 11:00 PST	0		Heavy Snow
	05/05/24 11:00 PST	0		

(CA-Z326) UPPER SAN JOAQUIN RIVER, (CA-Z327) KAISER TO RODGERS RIDGE, (CA-Z328) KINGS CANYON NP, (CA-Z329) GRANT GROVE AREA, (CA-Z330) SEQUOIA NP

	05/04/24 11:00 PST	0		Winter Weather
	05/05/24 11:00 PST	0		

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

	05/04/24 14:32 PST	0		High Wind (MAX 65 kt)
	05/06/24 01:40 PST	0		

MERCED COUNTY --- 0.9 SW CREGAN [37.29, -120.49], 0.9 SW CREGAN [37.29, -120.49], 0.9 SW CREGAN [37.29, -120.49], 0.9 SW CREGAN [37.29, -120.49]

	05/04/24 14:45 PST	0		Flood (due to Heavy Rain)
	05/04/24 16:45 PST	0		Source: Public

Public report of roadway flooding on Canal St. in Merced. Images were posted on Twitter.

A large upper level low pressure system moved eastward across the Pacific Northwest and Northern California on May 4 and 5. This system brought widespread precipitation to our area between the early afternoon of May 4 and the morning of May 5 as moisture pushed southward through central California with much of the Sierra Nevada from Sierra National Park northward picking up between a half inch and an inch of liquid precipitation with several higher elevation SNOTELs picking up an estimated 6 to 12 inches of new snowfall. Much of the San Joaquin Valley north of Kern County received between a quarter and a half inch of rainfall. While snow levels generally remained above 6000 feet for most of the event, elevations as low as 3000 feet received a dusting of snow during the morning of May 5. In addition to the precipitation, this system also brought unseasonably cool temperatures to the area on May 5 and 6 and also produced a period of strong wind gusts across the mountains and deserts in Kern County between the afternoon of May 4 and the early morning of May 6 with several stations measuring gusts exceeding 60 mph.

(CA-Z338) MOJAVE DESERT SLOPE(S)

	05/20/24 17:40 PST	0		High Wind (MAX 52 kt)
	05/20/24 19:20 PST	0		

An upper trough moved through central California during the morning of May 20 which brought a period of increased winds along the Mojave Desert Slopes during the afternoon and evening. Several stations reported gusts exceeding 45 mph during the time frame. The winds diminished by late evening as the trough moved to the east of the area.

(CA-Z338) MOJAVE DESERT SLOPE(S)

	05/28/24 22:30 PST	0		High Wind (MAX 53 kt)
	05/29/24 03:20 PST	0		

A trough moving through the Pacific Northwest on May 28 pushed a shortwave system through central California during the evening of May 28 and morning of May 29 producing an increased onshore pressure gradient. This in turn resulted in a period of strong wind gusts along the Mojave Desert slopes during the evening of May 28 and the early morning of May 29. Several stations reported gusts between 45 and 60 mph during this time frame. The winds decreased by late morning on May 29 as gradients relaxed.