

Storm Data and Unusual Weather Phenomena - October 2023

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

(CA-Z331) SOUTH END OF THE UPPER SIERRA, (CA-Z332) KERN RIVER VALLEY, (CA-Z334) TEHACHAPI, (CA-Z338) MOJAVE DESERT SLOPE(S)

10/11/23 00:00 PST	0	High Wind (MAX 70 kt)
10/11/23 21:50 PST	0	

An upper trough dropped southeast out of the Gulf of Alaska and into the Pacific Northwest on October 10 which resulted in a strengthening surface pressure gradient over the area. The gradients continued to strengthen as the trough dropped into the Great Basin on October 11. The strong gradients produced a period of strong wind gusts most noticeably over the south end of the Sierra Nevada and the Mojave Desert Slopes where several stations measures winds gusts exceeding 45 mph with a handful of stations reporting gusts above 60 mph. The winds decreased during the evening of October 11 as the trough moved east of the Great Basin and pressure gradients relaxed.