

## Storm Data and Unusual Weather Phenomena - November 2007

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

#### (CA-Z090) E CENTRAL S.J. VALLEY

11/03/07 03:00 PST	0	Dense Fog
11/03/07 10:00 PST	0	

In the wake of the severe weather outbreak that hit the central and southern San Joaquin Valley on October 29th, there were pools of standing water in areas that received the heaviest rains. With an upper-level ridge providing a stable environment, and moisture from these pools recharging the airmass near the ground, patchy fog formed during the overnight and early morning hours. During the first few days of November, the densest fog developed in the Merced-Atwater and the Lemoore-Visalia-Selma areas. Shortly after sunrise on November 3rd, one dense fog patch drifted over the 99 Freeway with tragic results. A series of accidents, involving a total of 87 vehicles, including 11 big rigs, resulted in two deaths and 41 injuries. The California Highway Patrol stated that this event was the among the worst weather-related pileups in San Joaquin Valley history.

#### (CA-Z096) S SIERRA MTNS

11/01/07 00:00 PST	0	Wildfire
11/30/07 23:59 PST	0	

The Jack wildfire occurred in Yosemite National Park. The ignition date was October 29, 2007, at about 1500 PDT. The cause of the wildfire was lightning. The location was 05 miles north of Wawona. The size was 1108 acres and it was estimated to be contained on December 15, 2007. There were no fatalities or injuries and cost estimates are unavailable at this time.

#### (CA-Z096) S SIERRA MTNS

11/11/07 00:00 PST	0	Winter Weather
11/12/07 00:00 PST	0	

A mountain climber was found dead along a challenging trail at an elevation of nearly 10,000 feet in Yosemite National Park. A combination of cold temperatures, snow, sleet, and strong winds contributed to the incident. There was one other climber who survived the winter weather conditions while climbing.

#### (CA-Z089) W CENTRAL S.J. VALLEY, (CA-Z090) E CENTRAL S.J. VALLEY, (CA-Z091) SW S.J. VALLEY, (CA-Z092) SE S.J. VALLEY, (CA-Z098) INDIAN WELLS VLY, (CA-Z099) SE KERN CTY DESERT

11/22/07 02:00 PST	0	Frost/Freeze
11/24/07 08:00 PST	0	

#### (CA-Z093) S SIERRA FOOTHILLS, (CA-Z096) S SIERRA MTNS

11/23/07 06:00 PST	42K	Strong Wind (MAX 49 kt)
11/23/07 11:45 PST	0	

A dry cold front dropped south through California November 21st, ahead of an upper-level trough that arrived the next day. A very cold airmass moved into inland Central California during the 21st-22nd, bringing the first hard freeze of the season to the Kern County deserts. Low temperatures bottomed out at 23 degrees at Edwards Air Force Base). During the early morning hours of November 24, frost occurred across portions of the San Joaquin Valley floor, as a result of the same cold airmass. Low temperatures dipped to 27 near Wasco and Gustine, and 28 at the Coalinga Airport.

The upper-level trough dropped into the Great Basin early on November 23rd, while high pressure moved into southern Idaho. This resulted in a northeast wind flow over the Southern Sierra Nevada. Strong winds developed over the Sierra Nevada crest near Yosemite National Park, with the highest wind gusts of this event occurring at Tioga Pass, reaching 74 mph at 8:00 AM PST on November 23. Other wind gusts were measured between 40 to 55 mph through the Southern Sierra Nevada and locally in the Sierra Nevada Foothills as well, such as in the Mariposa area where 2 trees were downed and blocked Road 222. This "Mono wind" event also toppled numerous trees in Yosemite National Park, and blocked Tioga Pass Road as well.