

Storm Data and Unusual Weather Phenomena - April 2017

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

(CA-Z089) W CENTRAL S.J. VALLEY, (CA-Z095) KERN CTY MTNS, (CA-Z097) TULARE CTY MTNS, (CA-Z098) INDIAN WELLS VLY, (CA-Z099) SE KERN CTY DESERT

04/06/17 22:27 PST	0	High Wind (MAX 73 kt)
04/08/17 19:27 PST	0	

A low pressure center moved into northern California on the 6th and spread precipitation into central California by late afternoon. This system brought a period of cool, windy and unsettled conditions to the area which continued through the 8th. There were several reports of 10-20 inches of new snow over the Southern Sierra Nevada above 8000 feet while thunderstorms during the afternoon of April 8 produced heavy rainfall in some areas. There were numerous reports of heavy rainfall over the Southern Sierra Nevada and adjacent foothills where 2 to 4 inches of rain fell. There were also strong winds across much of the area during this event with several locations reporting wind gusts above 50 mph.

FRESNO COUNTY --- 1.8 WNW FOWLER [36.64, -119.70]

04/13/17 12:30 PST	0	Funnel Cloud
04/13/17 12:30 PST	0	Source: Social Media

A funnel cloud was reported near the Highway 99/Clovis Avenue exchange via picture posted on Facebook.

(CA-Z091) SW S.J. VALLEY

04/13/17 14:00 PST	0.10M	Dust Storm
04/13/17 14:20 PST	0	

FRESNO COUNTY --- 0.8 WSW (FAT) AIR TERMINAL [36.77, -119.73], 0.3 SW (FAT) AIR TERMINAL [36.77, -119.73], 0.7 SSW (FAT) AIR TERMINAL [36.76, -119.73], 1.0 SW (FAT) AIR TERMINAL [36.76, -119.73]

04/13/17 14:57 PST	0	Flash Flood (due to Heavy Rain)
04/13/17 15:57 PST	0	Source: Social Media

Flash Flooding was reported with a picture on Twitter at the intersection of McKinley Ave and Fine Ave in Fresno.

FRESNO COUNTY --- (FAT) AIR TERMINAL [36.77, -119.72]

04/13/17 15:15 PST	0	Heavy Rain
04/13/17 17:00 PST	0	Source: ASOS

Heavy rainfall was reported at the Fresno ASOS as 2 inches of rain fell between 415 pm PDT and 600 pm PDT from a nearly stationary thunderstorm. In addition, nearly 2200 customers in Fresno lost power during the thunderstorm.

(CA-Z095) KERN CTY MTNS, (CA-Z097) TULARE CTY MTNS

04/13/17 16:00 PST	0	High Wind (MAX 63 kt)
04/13/17 16:10 PST	0	

A large low pressure system which was centered off the central California Coast on the morning of April 13 lifted northeast across northern California that afternoon while an associated upper trough pushed into the western United States. This system pushed a cold front through central California during the afternoon which produced strong wind gusts across much of the area on the 13th. There were numerous reports of winds gusts exceeding 35 mph in the San Joaquin Valley and several reports of gusts exceeding 45 mph across the Kern County Mountains and Deserts. Moderate rainfall associated with the cold front produced a quarter to half inch of rain in a few hours across Merced and Mariposa Counties as well as across Yosemite National Park. In addition, isolated thunderstorms formed in the cooler post frontal airmass. A nearly stationary thunderstorm in Fresno produced 2.00 inches of rainfall at Fresno Yosemite International Airport there were media reports of flash flooding in Fresno. In fact the 2.04 inches of rain measured at the Fresno Airport on April 13 set a new record rainfall amount for the date, and is now also the highest amount for any day in April since records began in the 1880's. Meanwhile, outflow from thunderstorms produced blowing dust on the west side of the San Joaquin Valley as there were numerous reports of vehicular accidents and visibility was reduced to less than an eighth of a mile in the vicinity of Lemoore.

MARIPOSA COUNTY --- 1.6 E ELLIOTT CORNER [37.47, -119.74]

04/17/17 23:55 PST	0	Heavy Rain
04/18/17 05:55 PST	0	Source: Trained Spotter

A trained spotter reported heavy rainfall in Ponderosa Basin on the morning of April 18th.

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A low pressure system moved into Central California on the afternoon of the 16th then stalled over the area on the 17th before moving out on the 18th. A cold front associated with this system brought scattered thunderstorms on the afternoon of the 18th. Snow was mainly confined to elevations above 8000 feet, but several locations in the Southern Sierra Nevada and adjacent foothills reported 48 hour rainfall totals between 1 and 2.5 inches. Several inches of new snowfall fell at elevations above 9000 feet. Most of the San Joaquin Valley and Kern County Mountains received between a quarter and half an inch of rain from this event.

(CA-Z095) KERN CTY MTNS, (CA-Z099) SE KERN CTY DESERT

04/20/17 06:27 PST	0	High Wind (MAX 69 kt)
04/20/17 17:40 PST	0	

A low pressure system pushed through the Pacific Northwest and Northern California on April 20 producing a strong pressure gradient over Central California. This resulted in a period of increased winds over the Kern County Mountains and Deserts.

(CA-Z095) KERN CTY MTNS, (CA-Z097) TULARE CTY MTNS

04/24/17 11:10 PST	0	High Wind (MAX 65 kt)
04/24/17 13:27 PST	0	

Strengthening high pressure over the Eastern Pacific and strengthening low pressure over the Desert Southwest produced a strong pressure gradient over Central California resulting in a period of gusty winds over the Kern County Mountains and Deserts from the afternoon of the 23rd until the evening of the 24th. Several reports of wind gusts exceeding 45 mph were reported during this time frame.

(CA-Z095) KERN CTY MTNS, (CA-Z098) INDIAN WELLS VLY, (CA-Z099) SE KERN CTY DESERT

04/26/17 14:26 PST	0	High Wind (MAX 70 kt)
04/26/17 20:14 PST	0	

A strong northwest flow aloft brought a series of shortwave troughs north of Central California between the 26th and 28th of April. The first of these systems produced a strong pressure gradient over Central California during the afternoon and evening of the 26th resulting in a period of increased winds over the Kern County Mountains and Deserts with widespread gusts between 45 and 55 mph and a few wind prone areas reporting gusts between 65 and 80 mph.

(CA-Z095) KERN CTY MTNS

04/27/17 16:14 PST	0	High Wind (MAX 70 kt)
04/27/17 17:39 PST	0	

Another period of gusty northerly winds occurred over Central California on the afternoon and evening of the 27th as a shortwave trough pushed through the Pacific Northwest and into the Great Basin. Some strong gusts were observed for the second consecutive day in wind prone areas of the Kern County Mountains, and widespread gusts between 35 and 40 mph were observed in the San Joaquin Valley.