

## Storm Data and Unusual Weather Phenomena - June 2020

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

(CA-Z179) WEST SIDE HILLS, (CA-Z180) SAN JOAQUIN CONFLUENCE, (CA-Z181) MERCED AND MADERA, (CA-Z182) WESTERN SAN JOAQUIN VALLEY, (CA-Z183) FOGGY BOTTOM, (CA-Z184) FRESNO, (CA-Z185) TULARE COUNTY, (CA-Z186) SOUTHERN KINGS COUNTY, (CA-Z187) WESTERN SAN JOAQUIN VALLEY IN KERN COUNTY, (CA-Z188) EASTERN SAN JOAQUIN VALLEY IN KERN COUNTY, (CA-Z189) BAKERSFIELD, (CA-Z190) CENTRAL SIERRA FOOTHILLS, (CA-Z191) SOUTHERN SIERRA FOOTHILLS

06/03/20 10:00 PST	0	Heat
06/04/20 19:00 PST	0	

A large area of upper high pressure centered over the four corners region strengthened on June 3 and pushed an upper low off the southern California coast southwest and further away from the region. This resulted in a warming trend over the area as the mid and high level cloud cover which had been prevalent over the area during the previous few days eroded. High temperatures across the San Joaquin Valley and Sierra foothills were mainly between 99 and 103 degrees on June 3. The high remained the dominant feature over the area on June 4, and temperatures continued to rise with afternoon highs over the San Joaquin Valley and Sierra foothills mainly between 102 and 106 degrees. The high broke down and shifted east on June 5 while temperatures lowered to near normal levels as an upper level trough pushed into California.

(CA-Z195) LAKE ISABELLA, (CA-Z196) TEHACHAPI AREA, (CA-Z198) INDIAN WELLS VALLEY, (CA-Z199) KERN COUNTY DESERT

06/06/20 11:18 PST	0	High Wind (MAX 79 kt)
06/06/20 21:27 PST	0	

The upper trough which pushed into California on June 5 brought brought much cooler temperatures to the area on June 5 along with isolated showers and thunderstorms over the Kern County Mountains and Deserts and the south end of the San Joaquin Valley during the afternoon and early evening hours. Rainfall amounts were generally a few hundredths of an inch over the south end of the San Joaquin Valley while a few locations in the Kern County Mountains and Deserts picked up as much as a quarter of an inch of rainfall. The cooling trend continued across the area on June 6 and 7 as temperatures lowered to below seasonal averages. This system also produced a period of strong wind gusts across the Kern County Deserts and in the Tehachapi and Lake Isabella areas. Several stations in these areas measured winds gusts between 45 mph and 55 mph during the afternoon and evening of June 6 while some low impact indicator sites measured gusts exceeding 60 mph. The winds diminished on June 7 as the trough moved to the east of the area.

(CA-Z183) FOGGY BOTTOM, (CA-Z184) FRESNO

06/12/20 18:00 PST	0	Dust Storm
06/12/20 19:00 PST	0	

(CA-Z195) LAKE ISABELLA, (CA-Z196) TEHACHAPI AREA, (CA-Z199) KERN COUNTY DESERT

06/13/20 03:27 PST	0	High Wind (MAX 64 kt)
06/14/20 00:10 PST	0	

A strong upper trough pushed through the region on June 12 and 13 producing scattered thunderstorms over the Sierra Nevada and adjacent foothills from Fresno County northward during the evening of June 12. A few of the thunderstorms produced small hail and moderate rainfall. Outflow from the thunderstorms produced blowing dust across portions of the San Joaquin Valley, briefly reducing visibility to near zero. A strong northwest flow on the back side of the trough produced gusty winds over the Kern County Deserts and in the Tehachapi and Lake Isabella areas between the morning of June 13 and the morning of June 14. Several stations in these areas measured wind gusts exceeding 45 mph while a few stations measured gusts exceeding 60 mph. The winds diminished by midday on June 14.

(CA-Z195) LAKE ISABELLA, (CA-Z196) TEHACHAPI AREA, (CA-Z198) INDIAN WELLS VALLEY, (CA-Z199) KERN COUNTY DESERT

06/15/20 21:26 PST	0	High Wind (MAX 59 kt)
06/17/20 01:40 PST	0	

Another strong upper trough moved across the Pacific Northwest and Northern California between the evening of June 15 and the early morning of June 17. This system also produced a period of increased wind gusts across the area. Several stations measured gusts exceeding 45 mph, and a few stations reported brief gusts above 60 mph.

(CA-Z180) SAN JOAQUIN CONFLUENCE, (CA-Z181) MERCED AND MADERA, (CA-Z182) WESTERN SAN JOAQUIN VALLEY, (CA-Z183) FOGGY BOTTOM, (CA-Z184) FRESNO, (CA-Z185) TULARE COUNTY, (CA-Z186) SOUTHERN KINGS COUNTY, (CA-Z187) WESTERN SAN JOAQUIN VALLEY IN KERN COUNTY, (CA-Z188) EASTERN SAN JOAQUIN VALLEY IN KERN COUNTY, (CA-Z189) BAKERSFIELD, (CA-Z191) SOUTHERN SIERRA FOOTHILLS

06/23/20 10:00 PST	1	Heat
06/27/20 19:00 PST	0	

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Direct Fatalities: M27OU

A large upper ridge built into central California on June 22 and strengthened over the area on June 23 resulting in widespread triple digit heat across the San Joaquin Valley between June 23 and June 27. Afternoon highs in the valley ranged between 100 and 104 degrees at most locations between June 23 and June 26 and were mainly between 104 and 108 degrees on June 27 before temperatures cooled on June 28 and 29 following the passage of a strong cold front. At least one fatality could be attributed to the heat as a 27 year old man working on the Fresno State Universtiy water tower was overcome by heat stroke on June 25.

**TUOLUMNE COUNTY --- 3.5 N HETCH HETCHY [37.98, -119.79]**

06/25/20 16:30 PST			50K	Thunderstorm Wind (EG 52 kt)
06/25/20 16:30 PST			0	Source: Park/Forest Service

Yosemite National Park dispatch reported several trees donwed in the Hetch Hetchy area due to strong thunderstorm wind gusts.

**TUOLUMNE COUNTY --- 7.3 SE HARDEN FLATS [37.76, -119.82]**

06/25/20 18:00 PST			0	Thunderstorm Wind (MG 51 kt)
06/25/20 18:00 PST			0	Source: Mesonet

The Crane Flat RAWS reported a peak thunderstorm wind gust of 59 mph.

An extended period of hot temperatures took place over the region between June 23 and June 27. During the afternoon of June 25, there was enough instability over the Sierra Nevada range for scattered thunderstorms to break out. A few of the thunderstorms produced strong wind gusts in Yosemite National Park, and several trees that has been killed or weakened by a long term drought between 2013 and 2016 were blown over by the strong wind gusts.

**(CA-Z195) LAKE ISABELLA, (CA-Z196) TEHACHAPI AREA, (CA-Z198) INDIAN WELLS VALLEY**

06/28/20 08:32 PST			0	High Wind (MAX 73 kt)
06/28/20 21:14 PST			0	

A large upper level low pressure system pushed into the Pacific Northwest on June 28 displacing the upper ridge that had been responsible for several days of widespread triple digit heat over the area. The low pressure system pushed a strong cold front through the area on June 28 producing a period of strong winds gusts over the Kern County Deserts as well as over the Teahachapi and Lake Isabella areas where several stations reported gusts exceeding 50 mph. A few low impact indicator sites in these areas had gusts exceeding 60 mph.