

Storm Data and Unusual Weather Phenomena - February 2019

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
CALIFORNIA, South Central				
(CA-Z099) SE KERN CTY DESERT				
	02/01/19 00:00 PST		0	Dense Fog
	02/01/19 11:00 PST		0	
Dense fog formed in the Antelope Valley in Los Angeles County during the evening of January 31 and pushed northward into the Kern County Deserts by early morning on February 1. The fog impacted travel along State Route 58 north of Edwards AFB and in the Rosamond area.				
(CA-Z089) W CENTRAL S.J. VALLEY, (CA-Z093) S SIERRA FOOTHILLS, (CA-Z095) KERN CTY MTNS, (CA-Z096) S SIERRA MTNS				
	02/02/19 07:00 PST		0	High Wind (MAX 67 kt)
	02/02/19 12:16 PST		0	
(CA-Z092) SE S.J. VALLEY, (CA-Z093) S SIERRA FOOTHILLS				
	02/02/19 07:30 PST		0.16M	Strong Wind (MAX 48 kt)
	02/02/19 11:00 PST		0	
FRESNO COUNTY --- 1.9 S COALINGA [36.12, -120.38], 1.9 S COALINGA [36.12, -120.37], 2.0 S COALINGA [36.12, -120.37], 2.0 S COALINGA [36.12, -120.38]				
	02/02/19 07:54 PST		0	Debris Flow
	02/02/19 09:54 PST		0	Source: Law Enforcement
California Highway Patrol reported rocks and boulders on the roadway at the intersection of State Route 198 and Firestone Ave.				
KERN COUNTY --- 3.1 NNW LEBEC [34.87, -118.89], 2.5 SSE GRAPE VINE [34.89, -118.90], 2.5 SSE GRAPE VINE [34.89, -118.90], 3.3 SSE GRAPE VINE [34.88, -118.89]				
	02/02/19 08:17 PST		0	Debris Flow
	02/02/19 10:17 PST		0	Source: Law Enforcement
California Highway Patrol reported rocks and boulders on northbound Interstate 5 at the #2 turn near Fort Tejon State Park.				
FRESNO COUNTY --- 1.1 S PARLIER [36.60, -119.52], 1.1 S PARLIER [36.60, -119.52], 1.3 SW PARLIER [36.60, -119.53], 1.3 SW PARLIER [36.60, -119.53]				
	02/02/19 12:27 PST		0	Flood (due to Heavy Rain)
	02/02/19 14:27 PST		0	Source: Law Enforcement
California Highway Patrol reported roadway flooding on Manning Ave. between the bridge and Zediker Ave. in Parlier.				
TULARE COUNTY --- 1.2 NE BADGER [36.64, -119.00], 1.1 NE BADGER [36.64, -119.00], 1.6 NE BADGER [36.65, -119.00], 1.6 NE BADGER [36.65, -119.00]				
	02/02/19 12:43 PST		0	Flood (due to Heavy Rain)
	02/02/19 15:43 PST		0	Source: Law Enforcement
California Highway Patrol reported Hogback Dr. near Sierra Glen washed out due to runoff from heavy rainfall.				
MARIPOSA COUNTY --- 1.8 ESE MORMON BAR [37.46, -119.92], 0.5 NW USONA [37.45, -119.84]				
	02/02/19 15:31 PST		0.10M	Thunderstorm Wind (EG 43 kt)
	02/02/19 16:01 PST		0	Source: Law Enforcement
Mariposa County Sheriff deputies reported several downed trees on roads in Bootjack in Mariposa County.				
FRESNO COUNTY --- 3.2 SSE NEW COALINGA AIRPORT [36.13, -120.27], 3.1 SSE NEW COALINGA AIRPORT [36.13, -120.27], 2.8 SSE NEW COALINGA AIRPORT [36.14, -120.27], 2.9 SE NEW COALINGA AIRPORT [36.14, -120.27]				
	02/02/19 15:32 PST		0	Flood (due to Heavy Rain)
	02/02/19 17:32 PST		0	Source: Law Enforcement
California Highway Patrol reported roadway flooding on the southbound lane of State Route 33 east of Coalinga.				
KERN COUNTY --- 3.6 NNW METTLER [35.12, -118.99], 4.0 NNW METTLER [35.13, -118.98]				

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	02/02/19 15:45 PST		0	Funnel Cloud
	02/02/19 15:55 PST		0	Source: Social Media

Several photos were posted on Facebook of a funnel cloud near the intersection of State Route 99 and Sandrini Road.

MARIPOSA COUNTY --- 1.8 NW BEN HUR [37.37, -119.97], 1.7 NNW BEN HUR [37.37, -119.97]

	02/02/19 15:55 PST		0	Tornado (EF0, L: 0.19 mi , W: 25 yd)
	02/02/19 16:00 PST		0	Source: NWS Storm Survey

A National Weather Service Storm Survey confirmed that a weak EF 0 tornado had touched down near the intersection of Ben Hur Road and Beach Road south of Mariposa.

FRESNO COUNTY --- 3.9 N HURON [36.26, -120.10], 3.9 N HURON [36.26, -120.10], 4.8 N HURON [36.27, -120.10], 4.7 N HURON [36.27, -120.10]

	02/02/19 19:17 PST		0	Flood (due to Heavy Rain)
	02/02/19 21:17 PST		0	Source: Law Enforcement

California Highway Patrol reported roadway flooding on State Route 269 which resulted in the road being closed north of State Route 198 near Huron.

A strong upper low pressure system approached the central California coast during the morning of February 2. Ahead of the low, strong southerly winds impacted the Grapevine area along Interstate 5 for much of the morning. By late morning the strong winds spread northward into the Bakersfield area where there were numerous reports of downed trees and wind damage. As the main low moved inland during the day, moderate to heavy precipitation spread into area and produced several instances of roadway and nuisance flooding. Scattered thunderstorms brought additional rainfall and small hail to the San Joaquin Valley and southern Sierra foothills during the late afternoon. One thunderstorm produced a brief small tornado south of Mariposa. Several stations in the San Joaquin Valley picked up over an inch of rain while several stations in the mountains measured between 2 and 5 inches of liquid precipitation. The precipitation fell mainly as snow above 5000 feet where heavy snowfall was reported at several stations and several feet of new snowfall was estimated at several SNOTELS from this storm and the following storm which moved through the area on February 4 and 5.

MADERA COUNTY --- 0.3 W RAYMOND [37.22, -119.91], 0.2 WSW RAYMOND [37.22, -119.90]

	02/03/19 17:40 PST		1K	Hail (0.88 in)
	02/03/19 17:50 PST		0	Source: Social Media

Reports on Facebook of penny sized hail in Raymond.

MADERA COUNTY --- RAYMOND [37.22, -119.90], 0.1 E RAYMOND [37.22, -119.90]

	02/03/19 17:40 PST		0	Funnel Cloud
	02/03/19 17:50 PST		0	Source: Social Media

Reports on Facebook of a funnel cloud just the east of Raymond.

In the cold and unstable environment over the San Joaquin valley following the February 2 winter storm, another round of showers and thunderstorms broke out over the area on February 3. One strong thunderstorm produced hail and a funnel cloud near Raymond in Madera County.

MERCED COUNTY --- 4.1 N EL NIDO [37.19, -120.50], 1.3 SE MERCED ARPT [37.27, -120.50], 2.4 S CREGAN [37.27, -120.47], 4.6 NNE EL NIDO [37.19, -120.46]

	02/04/19 06:26 PST		10K	Flood (due to Heavy Rain)
	02/14/19 10:00 PST		0	Source: Emergency Manager

Due to heavy rainfall in the area, the Mariposa Creek Reservoir released 1000 CFS which caused State Route 59 to close between Sandy Mush Road and Mission Ave. as runoff came close to covering the road. This prompted the issuance of an Aerial Flood Advisory for the aforementioned area. The road was opened during the morning of February 14 after levee repairs were made.

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

	02/04/19 08:33 PST		0	High Wind (MAX 50 kt)
	02/04/19 11:32 PST		0	

(CA-Z096) S SIERRA MTNS, (CA-Z097) TULARE CTY MTNS

	02/04/19 10:00 PST		0	Heavy Snow
	02/05/19 10:00 PST		0	

TULARE COUNTY --- 2.2 NE LONDON [36.49, -119.39], 2.7 S DINUBA [36.49, -119.38]

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	02/04/19 13:05 PST		0	Funnel Cloud
	02/04/19 13:10 PST		0	Source: Public

Public reports of a funnel cloud between Dinuba and Visalia.

MADERA COUNTY --- MADERA [36.97, -120.07], 0.7 ENE MADERA [36.97, -120.06]

	02/04/19 13:33 PST		0	Funnel Cloud
	02/04/19 13:38 PST		0	Source: Public

Public reports of a funnel cloud in Madera.

FRESNO COUNTY --- 1.7 W BALCH CAMP [36.90, -119.15], 0.8 WNW BALCH CAMP [36.90, -119.13]

	02/04/19 16:00 PST		0	Funnel Cloud
	02/04/19 16:05 PST		0	Source: Social Media

Reports and pictures posted on Facebook of a rotating and lowering funnel cloud west of Balch Camp. A tornado warning had been previously issued on this storm.

TULARE COUNTY --- 2.3 N DUCOR [35.91, -119.05], 2.3 NNE DUCOR [35.91, -119.04], 1.6 SSW TERRA BELLA [35.95, -119.04], 1.7 SSW TERRA BELLA [35.95, -119.05]

	02/04/19 16:30 PST		0	Flood (due to Heavy Rain)
	02/05/19 09:00 PST		0	Source: Emergency Manager

Tulare County Emergency Manager reported Road 236 was closed for flooding between Ducor and Terra Bella.

TULARE COUNTY --- 4.4 WNW PATTERSON TRACT [36.40, -119.37], 2.3 SSW DINUBA SEQUOIA ARPT [36.42, -119.34]

	02/05/19 13:45 PST		0	Funnel Cloud
	02/05/19 13:50 PST		0	Source: Social Media

Photos and reports on Twitter of a funnel cloud 4 miles NE of Goshen.

A very cold Pacific Storm system dropped out of the Gulf of Alaska on February 3 and slowly moved across the regions on February 4 and 5. This system brought moderate to heavy precipitation to portions of the San Joaquin Valley on February 4 and heavy snow to elevations as low as 2000 feet in the southern Sierra Nevada foothills on February 4 and 5. Between 4 and 6 feet of new snow fell above 5000 feet in the Southern Sierra Nevada. The heavy wet snow also resulted in numerous power outages affecting close to 20300 customers in the Mariposa and Yosemite Park areas. Additionally, all roads leading into Yosemite National Park (including State Routes 120, 140 and 41) were closed due to heavy snowfall. Several other roads had chain requirements above 2000 feet. Several school districts in the southern Sierra foothills closed for the day on February 5 due to roads being close to impassible as a result of heavy snowfall.

(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

	02/06/19 02:00 PST		0	Frost/Freeze
	02/06/19 08:00 PST		0	

Cold and dry air pushed into the San Joaquin Valley behind a strong low pressure center which moved through the area on February 4 and 5. Skies cleared out and winds diminished during the morning of February 6 allowing for temperatures to plunge below the freezing mark for a few hours in the San Joaquin Valley.

(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

	02/07/19 02:00 PST		0	Frost/Freeze
	02/07/19 08:00 PST		0	

The cold and dry airmass which built into the area on February 5 and brought sub-freezing temperatures to much of the San Joaquin Valley on February 6 remained over the area with little moderation through the morning of February 7. With clear skies and light winds prevailing, temperatures dropped below the freezing mark again for a few hours during the morning in the San Joaquin Valley.

(CA-Z096) S SIERRA MTNS

	02/08/19 13:00 PST		0	Heavy Snow
	02/09/19 21:00 PST		0	

A cold Pacific storm system moved through central California between the afternoon of February 8 and the evening of February 9. This system brought between a quarter to a half inch of rainfall to much of the San Joaquin Valley. Much of the Southern Sierra Nevada picked up between a half inch and an inch of liquid precipitation and snow levels lowered to near 3000 feet by the time the precipitation tapered

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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off on the evening of February 9. A few locations in the Southern Sierra Nevada north of Kings Canyon picked up over a foot of new snow while many locations in the Sierra foothills and the Tehachapi Mountains picked up between 2 and 6 inches of new snow.

FRESNO COUNTY --- 9.9 WSW COALINGA [36.10, -120.54], 10.0 WSW COALINGA [36.10, -120.54], 9.7 WSW COALINGA [36.10, -120.53], 9.7 WSW COALINGA [36.10, -120.53]

	02/10/19 13:15 PST	0		Debris Flow
	02/10/19 15:15 PST	0		Source: Law Enforcement

California Highway Patrol reported rocks and mud on the westbound lane of State Route 198 and some debris on the eastbound lane around 10 miles WSW of Coalinga.

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

	02/10/19 16:10 PST	0		High Wind (MAX 67 kt)
	02/10/19 20:27 PST	0		

Following the departure of the low pressure system that brought significant rainfall to the San Joaquin Valley and wintry conditions to the higher elevations, a strong cold front pushed through the area on February 10. While this system did provide for more rainfall and higher elevations snow as many area in the San Joaquin Valley picked up between another quarter to half inch of rainfall. The main impact from this system was strong winds with the cold front as it pushed through the area during the afternoon of February 10. Several reporting stations in the San Joaquin Valley and southern Sierra foothills measured gusts above 35 mph and several stations in the Kern County Mountains and Deserts measured gusts above 45 mph and a few low impact indicator sites measured gusts exceeding 60 mph.

(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

	02/11/19 02:00 PST	0		Frost/Freeze
	02/11/19 08:00 PST	0		

A cold and dry airmass settled over the area during the early morning of February 11 behind a cold front which pushed through the region on the previous day. Clearing skies and decreased winds allowed for temperatures in the San Joaquin Valley to lower to below the freezing mark during the early morning hours.

(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

	02/12/19 02:00 PST	0		Frost/Freeze
	02/12/19 08:00 PST	0		

The cold and dry airmass which pushed into the San Joaquin Valley during the morning of February 11 remained in place over the area on February 12. As a result, temperatures dropped below the freezing mark again during the early morning hours of February 12 as skies remained mainly clear and winds were light overnight.

(CA-Z089) W CENTRAL S.J. VALLEY, (CA-Z091) SW S.J. VALLEY, (CA-Z092) SE S.J. VALLEY, (CA-Z093) S SIERRA FOOTHILLS, (CA-Z096) S SIERRA MTNS, (CA-Z097) TULARE CTY MTNS

	02/13/19 06:00 PST	0		High Wind (MAX 81 kt)
	02/14/19 12:31 PST	0		

TULARE COUNTY --- 6.2 E MILO [36.23, -118.71], 6.1 E MILO [36.23, -118.71], 6.1 E MILO [36.23, -118.71], 6.2 E MILO [36.23, -118.71]

	02/13/19 09:00 PST	0		Debris Flow
	02/13/19 12:00 PST	0		Source: Emergency Manager

The Tulare County Emergency Manager reported a mudslide at the intersection of Bear Creek Road and Balch Park Road.

MARIPOSA COUNTY --- 0.3 NE BRICEBURG [37.60, -119.97], 0.4 NNE BRICEBURG [37.61, -119.97], 0.5 NE BRICEBURG [37.61, -119.97], 0.4 NE BRICEBURG [37.60, -119.96]

	02/13/19 12:01 PST	0		Flood (due to Heavy Rain / Burn Area)
	02/13/19 15:01 PST	0		Source: Law Enforcement

California Highway Patrol reported the westbound lanes on State Route 140 near Bull Creek near Briceburg were completely covered with debris due to heavy rain.

KERN COUNTY --- 2.2 S HAVILAH [35.49, -118.53], 2.2 S HAVILAH [35.49, -118.52], 2.1 S HAVILAH [35.49, -118.52], 2.1 S HAVILAH [35.49, -118.53]

	02/14/19 10:37 PST	0		Flood (due to Heavy Rain)
	02/14/19 13:37 PST	0		Source: Law Enforcement

California Highway Patrol reported 4 feet of roadway on Caliente-Bodfish Road were washed away.

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MARIPOSA COUNTY --- CATHEYS VLY [37.43, -120.10], 0.1 NNW CATHEYS VLY [37.43, -120.10], 0.2 NNE CATHEYS VLY [37.43, -120.10], 0.1 NE CATHEYS VLY [37.43, -120.10]				
	02/14/19 12:24 PST		0	Flood (due to Heavy Rain)
	02/14/19 15:24 PST		0	Source: Law Enforcement
California Highway Patrol reported roadway flooding on State Route 140 near Hornitos Road on both lanes.				
KERN COUNTY --- 0.8 SSW KERVALE [35.61, -118.48], 0.8 SSW KERVALE [35.61, -118.48], 0.7 S KERVALE [35.61, -118.48], 0.8 SSW KERVALE [35.61, -118.48]				
	02/14/19 15:06 PST		0	Flood (due to Heavy Rain / Burn Area)
	02/14/19 21:06 PST		0	Source: Law Enforcement
California Highway Patrol reported blocked culverts and roadway completely flooded on Lake Isabella Blvd. at Elizabeth Morris Road.				
FRESNO COUNTY --- 3.9 N HURON [36.26, -120.10], 3.9 N HURON [36.26, -120.10], 4.7 N HURON [36.27, -120.10], 4.7 N HURON [36.27, -120.10]				
	02/14/19 20:55 PST		0	Flood (due to Heavy Rain)
	02/14/19 23:55 PST		0	Source: Law Enforcement
California Highway Patrol reported State Route 269 was closed north of State Route 198 due to heavy rainfall which flooded the road.				
MADERA COUNTY --- 5.3 SE KNOWLES [37.16, -119.81], 5.3 SE KNOWLES [37.17, -119.80]				
	02/15/19 09:45 PST		0	Tornado (EF0, L: 0.56 mi , W: 25 yd)
	02/15/19 09:50 PST		0	Source: Social Media
An EF 0 tornado near Yosemite Lakes was determined by video and pictures posted on Facebook.				
FRESNO COUNTY --- 1.3 ENE SANGER [36.71, -119.55]				
	02/15/19 13:40 PST		0	Funnel Cloud
	02/15/19 13:40 PST		0	Source: Social Media
Social media posts of a funnel cloud in Sanger at 1340 PST.				
FRESNO COUNTY --- 3.0 NE LATON [36.46, -119.64]				
	02/15/19 13:45 PST		0	Funnel Cloud
	02/15/19 13:45 PST		0	Source: NWS Employee
An off duty NWS employee reported a funnel cloud on State Highway 43 between Hanford and Selma.				
FRESNO COUNTY --- 0.9 S (FAT) AIR TERMINAL [36.76, -119.72], 0.9 S (FAT) AIR TERMINAL [36.76, -119.72], 0.9 S (FAT) AIR TERMINAL [36.76, -119.72], 0.9 S (FAT) AIR TERMINAL [36.76, -119.72]				
	02/15/19 14:03 PST		0	Flood (due to Heavy Rain)
	02/15/19 16:03 PST		0	Source: Social Media
Video obtained through social media indicated flooding at the intersection of Peach Ave. and Olive Ave. in Fresno.				
FRESNO COUNTY --- 2.9 NNE NAVELENCIA [36.72, -119.35], 2.8 NNE NAVELENCIA [36.71, -119.35], 3.0 NE NAVELENCIA [36.71, -119.35], 3.1 NE NAVELENCIA [36.72, -119.35]				
	02/15/19 14:49 PST		0	Flood (due to Heavy Rain)
	02/15/19 17:49 PST		0	Source: Law Enforcement
California Highway Patrol reported 6 to 8 inches of water rushing over the roadway on State Route 180 near Cove Ave.				
TULARE COUNTY --- 2.0 NNW EXETER [36.33, -119.14], 1.9 NNW EXETER [36.33, -119.14], 1.8 NNW EXETER [36.33, -119.14], 1.9 NNW EXETER [36.33, -119.14]				
	02/15/19 16:19 PST		0	Flood (due to Heavy Rain)
	02/15/19 19:19 PST		0	Source: Law Enforcement
California Highway Patrol reported one foot of water covering the left lane of eastbound State Route 198 just west of Exeter Blvd.				
(CA-Z096) S SIERRA MTNS				

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	02/16/19 21:00 PST		0	Heavy Snow
	02/17/19 21:00 PST		0	

KERN COUNTY --- BUTTONWILLOW [35.40, -119.47]

	02/17/19 16:20 PST		0	Hail (0.75 in)
	02/17/19 16:20 PST		0	Source: Social Media

Facebook posts indicating penny sized hail in Buttonwillow. Time estimate was based on radar.

A deep moisture plume moved through central California on February 13 and 14 as a strong low pressure system approached the area. Heavy rainfall and strong southerly winds impacted the area as this moisture moved through the area. Several reports of winds gusts exceeding 60 mph were reported and snow levels rose to near 9000 feet which resulted in widespread flooding in the area and several road closures from flooding and debris flows were reported. A strong cold front pushed through the area during the morning of February 15 which resulted in snow levels plummeting to around 5000 feet. Thunderstorms broke out in the colder and unstable post-frontal airmass and several reports of small hail were observed in the San Joaquin Valley. In addition, a small EF 0 tornado briefly touched down near Yosemite Lakes and funnel clouds were observed in the San Joaquin Valley. A colder system moved into the area on February 16 and snow levels lowered further down to 1500 feet. Low elevation snowfall on February 16 and 17 resulted in numerous road closures and travel delays and there were several reports of 10 to 20 inches of new snowfall reported in the Southern Sierra Nevada between the evening of February 15 and the evening of February 17. Rainfall totals between February 13 and February 17 were generally between 3 and 7 inches of liquid precipitation in the higher elevations of the Southern Sierra Nevada with 2 to 5 inches in the adjacent foothills. Much of the San Joaquin Valley picked up between a half inch and an inch and a half of rainfall during this period while the Tehachapi Mountains generally picked up between 1 to 2 inches of liquid precipitation during the 5 day period.

(CA-Z093) S SIERRA FOOTHILLS, (CA-Z095) KERN CTY MTNS

	02/17/19 18:08 PST		0.33M	Winter Storm
	02/18/19 10:00 PST		0	

Showers and winds diminished across the area during the evening of February 17 as skies cleared out. This resulted in the freezing of leftover rain and melted snow on several roads which resulted in several roads in the Kern County Mountains being closed for several hours overnight and into the morning hours of February 18. Black ice also resulted in a fatal two vehicle accident near Oakhurst on State Route 49 during the morning of February 18.

(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

	02/19/19 02:00 PST		0	Frost/Freeze
	02/19/19 08:00 PST		0	

A cold airmass settled in over the area on February 18 as a northerly flow prevailed behind the trough that had brought several days of unsettled weather across central California. Clearing skies and decreased winds during the early morning hours of February 19 resulted in sub-freezing minimum temperatures across much of the San Joaquin Valley that morning.

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

	02/20/19 06:10 PST		0	High Wind (MAX 58 kt)
	02/20/19 09:27 PST		0	

(CA-Z095) KERN CTY MTNS

	02/20/19 13:00 PST		0	Heavy Snow
	02/21/19 13:00 PST		0	

A low pressure system dropped southward through the Great Basin on February 20. This system resulted in a brief periods of strong winds over the crest of the Southern Sierra Nevada and below the passes in Kern County. Several locations in Kern County measured peak winds gusts above 40 mph while a few low impact indicator sites reported gusts exceeding 60 mph. This was followed by a very cold system which pushed southward through central California on February 21. While liquid precipitation with this system was not very significant, it did produce snow at elevations as low as 1000 feet and several locations in the southern Sierra Foothills and Kern County Mountains picked up between 2 and 6 inches of new snowfall between the afternoon of February 20 and the afternoon of February 21. This system moved east of the area during the evening of February 21 with a cold airmass being left behind in it's wake.

(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

	02/22/19 01:00 PST		0	Frost/Freeze
	02/22/19 08:00 PST		0	

The cold airmass associated with the storm that brought low elevation snow to the southern Sierra foothills as well as to the western foothills in the San Joaquin Valley on February 21 remained over the area as the storm moved east. With skies clearing out and winds diminishing overnight, temperatures plummeted below the freezing mark in the San Joaquin Valley during the morning of February 22.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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(CA-Z089) W CENTRAL S.J. VALLEY, (CA-Z090) E CENTRAL S.J. VALLEY, (CA-Z091) SW S.J. VALLEY	02/23/19 01:00 PST	0	0	Frost/Freeze
	02/23/19 08:00 PST	0	0	
<hr/>				
(CA-Z092) SE S.J. VALLEY	02/23/19 01:00 PST	0	0	Freezing Fog
	02/23/19 08:00 PST	0	0	

With little airmass moderation taking place in the San Joaquin Valley on February 22 and another night of clear skies and light winds, temperatures dropped below the freezing mark across much of the valley again during the morning of February 23. The airmass slowly moderated during the last five days of the month and temperatures trended upwards toward seasonal normals.