

Storm Data and Unusual Weather Phenomena - December 2019

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

FRESNO COUNTY --- 0.9 NNW HERNDON [36.84, -119.93]

	12/01/19 00:00 PST		50K	Heavy Rain
	12/01/19 01:30 PST		0	Source: Law Enforcement

Moderate to heavy rain caused a multiple vehicle accident on SR 99 just north of Fresno. Some of the individuals who had occupied the cars in the crash were then struck by a drunk driver which killed one of the individuals.

MARIPOSA COUNTY --- 1.8 ENE ELLIOTT CORNER [37.48, -119.74]

	12/01/19 00:00 PST		0	Heavy Rain
	12/01/19 09:51 PST		0	Source: Trained Spotter

A spotter near Ponderosa Basin reported a combination of 3.41 inches of melted snow and rain.

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

	12/01/19 09:51 PST		0	Heavy Rain
	12/02/19 13:13 PST		0	Source: Trained Spotter

Trained spotter near Ponderosa Basin reported an additional 1.13 inches of rainfall since the morning of December 1.

A large upper low pressure system dropped slowly southward off the California coast on the first two days of December. The low pulled up a fetch of deep moisture from the southwest which streamed through central California and brought periods of moderate to heavy precipitation across the area mainly from Fresno County northward. Several stations in the Sierra Nevada and adjacent foothills as well as the central San Joaquin Valley picked up between 1 and 3 inches of rain. Snow levels were high with this system and finally lowered to around 7000 feet by the time the precipitation tapered off on the 2nd. Several SNOTEL stations over the higher elevations in the Southern Sierra Nevada picked up between 6 and 12 inches of new snowfall. Further south, the precipitation was less significant with some stations picking up between a quarter and half of an inch of rain. The rainfall did produce some nuisance flooding from Fresno county northward and caused a multi vehicle accident along State Route 99 north of Fresno.

(CA-Z181) MERCED AND MADERA, (CA-Z182) WESTERN SAN JOAQUIN VALLEY, (CA-Z183) FOGGY BOTTOM, (CA-Z184) FRESNO, (CA-Z185) TULARE COUNTY, (CA-Z188) EASTERN KERN COUNTY

	12/03/19 01:55 PST		10K	Dense Fog
	12/03/19 11:15 PST		0	

After several days of precipitation across the area, skies cleared out during the evening of December 2 and early morning of December 3. The clearing skies and diminished winds resulted in the first day of the season with widespread dense fog in the San Joaquin Valley where visibility was reduced to below a quarter mile. Traffic was paced along State Route 99 between Tulare and Delano during the morning commute, and several school districts had fog related delayed openings for the first time this season. The fog lifted by late morning, and the low level moisture in the valley mixed out the following day as a another storm moved through the area.

MADERA COUNTY --- 1.5 NW BORDEN [36.95, -120.05], 1.5 NW BORDEN [36.95, -120.05], 1.7 NW BORDEN [36.95, -120.05], 1.6 NW BORDEN [36.95, -120.05]

	12/04/19 08:55 PST		0	Flood (due to Heavy Rain)
	12/04/19 10:25 PST		0	Source: Law Enforcement

California Highway Patrol reported ponding of water on the Gateway Drive off ramp of northbound SR 99 in Madera slowing traffic.

KERN COUNTY --- 1.3 WSW GARLOCK [35.39, -117.80], 1.3 WSW GARLOCK [35.39, -117.80], 1.1 WSW GARLOCK [35.39, -117.80], 1.0 WSW GARLOCK [35.39, -117.80]

	12/04/19 10:50 PST		0	Flood (due to Heavy Rain)
	12/04/19 16:00 PST		0	Source: County Official

Kern County officials closed Redrock-Randsburg Road between SR 14 and US 395 due to roadway flooding being reported at the intersection of Garlock Road.

KERN COUNTY --- 1.0 ENE FORD CITY [35.15, -119.45], 1.1 ENE FORD CITY [35.16, -119.45], 1.1 ENE FORD CITY [35.16, -119.45], 1.1 ENE FORD CITY [35.15, -119.45]

	12/04/19 11:03 PST		0	Flood (due to Heavy Rain)
	12/04/19 14:03 PST		0	Source: Law Enforcement

California Highway Patrol reported approximately a foot of water across Monroe St. and onto the sidewalk near the intersection of Cedar St. in Taft.

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A low pressure system moved through central California during the morning of December 4 producing widespread precipitation across the area. Several stations in the San Joaquin Valley measured between a third of an inch and two thirds of an inch of rainfall with a few locations picking up higher amounts in heavier showers. Several stations in the mountains foothills picked up between a half inch and an inch of liquid precipitation with the precipitation mainly falling as snow above 7000 feet. A few higher elevation SNOTEL stations picked up as much as a foot of new snow although most locations above 7000 feet picked up between 3 and 6 inches of new snow. In the San Joaquin Valley and Kern County Deserts, several reports of nuisance flooding were received and a few roads were briefly closed as a result of ponding of water on the roadway.

(CA-Z181) MERCED AND MADERA, (CA-Z187) WESTERN KERN COUNTY

12/05/19 05:00 PST	0	Dense Fog
12/05/19 09:45 PST	0	

High pressure built into central California during the morning of December 5 behind the departing storm which impacted the area the day before. This brought clearing skies and diminished winds to portions of the San Joaquin Valley. Areas of dense fog formed along the Interstate 5 corridor in Kern County where a fatal collision between two vehicles took place. Dense fog was also reported in Merced County along State Route 99 where visibility was reduced to below a quarter mile.

(CA-Z196) TEHACHAPI AREA, (CA-Z197) FORT TEJON

12/05/19 23:10 PST	0	High Wind (MAX 55 kt)
12/06/19 10:13 PST	0	

Warm air advection ahead of an incoming storm system off the California coast produced strong downslope winds off of the Tehachapi Mountains during the evening of December 5 through the morning of December 6. Several locations measured brief gusts above 40 mph while two ridge tops measured gusts above 60 mph.

(CA-Z192) CENTRAL SIERRA

12/07/19 00:00 PST	0	Heavy Snow
12/08/19 16:00 PST	0	

FRESNO COUNTY --- CLOVIS [36.82, -119.70]

12/08/19 00:00 PST	0	Heavy Rain
12/08/19 13:54 PST	0	Source: Trained Spotter

Trained Spotter reported 1.06 inches of rainfall since midnight with most of the rain occurring during the previous two hours.

FRESNO COUNTY --- 1.5 NNE WESTHAVEN [36.25, -119.99]

12/08/19 14:10 PST	0	Funnel Cloud
12/08/19 14:15 PST	0	Source: Public

Public report with photo posted on Twitter of a funnel cloud west of Lemoore NAS.

FRESNO COUNTY --- 1.4 SE MELVIN [36.81, -119.65], 1.5 SE MELVIN [36.81, -119.65], 1.5 ESE MELVIN [36.81, -119.65], 1.4 SE MELVIN [36.81, -119.65]

12/08/19 14:27 PST	0	Flood (due to Heavy Rain)
12/08/19 14:57 PST	0	Source: Trained Spotter

A trained spotted reported minor road flooding from heavy rain in Clovis along Shaw Ave.

An upper trough slowly moved across California during the weekend of December 7 and 8 producing widespread precipitation across the area. The heaviest precipitation occurred from Fresno County northward where several stations in the Sierra measured between 1 and 2 inches of liquid precipitation while several stations in the valley measured between a half inch and an inch of rainfall. Further south, much of Kings and Tulare Counties picked up between a quarter inch and a half inch of precipitation and most stations in Kern County picking up less than a quarter inch of rainfall. The snow level ranged between 7000 and 8000 feet for most of this event with several locations in the higher Sierra picking up between 8 and 12 inches of new snowfall over the weekend. In addition the rain and mountain snowfall, scattered thunderstorms produced some areas of locally heavy rainfall, roadway flooding and small hail from the late morning the early evening of December 8. The precipitation ended by late evening as the trough moved to the east of the area.

(CA-Z198) INDIAN WELLS VALLEY

12/07/19 01:55 PST	50K	Dense Fog
12/07/19 04:05 PST	0	

Skies cleared out and winds diminished following a weak system which produced some light rainfall across the Kern County Deserts

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during the evening hours on December 6. Patches of dense fog formed in the Indian Wells Valley for a few hours during the morning of December 7. The fog caused a fatal multi-vehicle accident along State Route 14 near Inyokern.

(CA-Z181) MERCED AND MADERA, (CA-Z182) WESTERN SAN JOAQUIN VALLEY, (CA-Z183) FOGGY BOTTOM, (CA-Z184) FRESNO, (CA-Z185) TULARE COUNTY, (CA-Z189) BAKERSFIELD

12/08/19 23:40 PST	0	Dense Fog
12/09/19 11:20 PST	0	

As the upper trough that brought widespread precipitation to the area over the previous two days moved east of the region, high pressure built into central California during the morning of December 9 resulting in clearing skies and decreased winds over the area. With inversion conditions present over the San Joaquin Valley, areas of dense fog formed overnight and persisted in some locations until late morning.

(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 KERN COUNTY, (CA-Z188) EASTERN KERN COUNTY, (CA-Z189) BAKERSFIELD

12/09/19 23:45 PST	0	Dense Fog
12/10/19 11:00 PST	0	

High pressure continued to strengthen over the area on December 10 resulting in the redevelopment of fog in the San Joaquin Valley during the early morning hours with several locations reporting visibility below a quarter of a mile. The fog resulted in several school districts in the valley either opening late or delaying bus service, and traffic being paced by law enforcement on some expressways. The fog lifted into a low stratus deck by late morning with noticeable improvement in visibility taking place.

(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

12/10/19 18:05 PST	10K	Dense Fog
12/11/19 10:56 PST	0	

Fog settled back into the San Joaquin Valley north of Kern County during the evening of December 10 and reduced visibility to below a quarter mile at several locations during the morning of December 11. Once again several school districts in the valley either opened late or delayed bus service. The fog lifted into a stratus deck by late morning which eroded by afternoon as an upper level trough moved to the north of the area and mixed out the near surface airmass.

(CA-Z182) WESTERN SAN JOAQUIN VALLEY, (CA-Z183) FOGGY BOTTOM

12/11/19 22:45 PST	0	Dense Fog
12/12/19 08:00 PST	0	

An upper level low pressure system moving through northern California provided for enough mixing to inhibit the redevelopment of fog for Fresno County northward. However, fog formed further south and visibility was reduced to below a quarter mile around Hanford and Lemoore during the morning commute. The fog dissipated by late morning.

(CA-Z181) MERCED AND MADERA, (CA-Z182) WESTERN SAN JOAQUIN VALLEY, (CA-Z183) FOGGY BOTTOM

12/13/19 00:35 PST	0	Dense Fog
12/13/19 10:15 PST	0	

High pressure built back into central California during the evening of December 12. With skies clearing out and diminishing winds, patches of dense fog formed along the west side of the San Joaquin Valley and in Merced County during the morning of December 13. Several school districts in western Kings and western Fresno Counties either opened late or delayed bus service due to low visibility. The fog dissipated by late morning.

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

12/15/19 02:40 PST	0	High Wind (MAX 71 kt)
12/15/19 05:32 PST	0	

(CA-Z197) FORT TEJON

12/15/19 07:00 PST	0	Winter Weather
12/15/19 10:00 PST	0	

An upper level low pressure system brought some light precipitation to central California during the morning of January 14 as it moved through the area. precipitation amounts were generally light with much of the central Sierra picking up between a quarter and a half inch of liquid precipitation with the snow level around 8000 feet. Several high elevation SNOTEL locations picked up between 2 and 4 inches of new snowfall. Much of the remainder of the area picked up a quarter inch or less of rainfall. A secondary system followed during the

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morning of December 15. Although this second system did not produce much precipitation, it was much colder with snow falling as low as 4000 feet and producing icy conditions in the Pine Mountain Club area where several cars became stuck. The main impact from this second system was a brief period of strong winds across the Kern County Mountains and Deserts where several locations measured wind gusts exceeding 45 mph and some low impact indicator sites measured gusts exceeding 60 mph during the early morning of December 15. The winds diminished by late morning as the system moved to the east of the area.

(CA-Z196) TEHACHAPI AREA, (CA-Z197) FORT TEJON

12/17/19 06:10 PST	0	High Wind (MAX 63 kt)
12/17/19 12:20 PST	0	

(CA-Z189) BAKERSFIELD

12/17/19 09:38 PST	45K	Strong Wind (MAX 43 kt)
12/17/19 14:53 PST	0	

A strong area of high pressure pushed inland into central California on December 16. As the high continued to strengthen on the morning of December 17, a strong offshore surface pressure gradient developed and produced strong offshore winds over Kern County with several stations in the Kern County Mountains and Deserts measuring gusts exceeding 60 mph and producing some damaging wind gusts in the south end of the San Joaquin Valley. The winds diminished by the afternoon of the 17th as pressure gradients weakened.

(CA-Z179) WEST SIDE HILLS, (CA-Z189) BAKERSFIELD, (CA-Z192) CENTRAL SIERRA, (CA-Z197) FORT TEJON

12/22/19 03:27 PST	0	High Wind (MAX 75 kt)
12/22/19 11:10 PST	0	

(CA-Z189) BAKERSFIELD

12/22/19 07:39 PST	2K	Strong Wind (MAX 43 kt)
12/22/19 13:32 PST	0	

FRESNO COUNTY --- 2.0 N MALAGA [36.71, -119.73], 1.9 N MALAGA [36.71, -119.73], 1.9 N MALAGA [36.71, -119.73], 1.9 N MALAGA [36.71, -119.73]

12/22/19 18:00 PST	0	Flood (due to Heavy Rain)
12/22/19 20:00 PST	0	Source: Law Enforcement

Fresno Police reported roadway flooding at the intersection of Jansen Ave. and Willow Ave. in Fresno.

(CA-Z194) SEQUOIA KINGS

12/22/19 20:00 PST	0	Heavy Snow
12/24/19 08:00 PST	0	

KERN COUNTY --- 1.4 WSW GARLOCK [35.39, -117.80], 0.9 WSW GARLOCK [35.40, -117.79], 0.7 SW GARLOCK [35.39, -117.79], 1.2 SW GARLOCK [35.39, -117.80]

12/23/19 11:30 PST	0	Flood (due to Heavy Rain)
12/23/19 13:00 PST	0	Source: Emergency Manager

Kern County Emergency Manager reported Redrock-Randsburg Road was closed due to flooding.

A frontal system slowly moved east across central California on December 22 and 23. Strong winds ahead of the system impacted the Fort Tejon area as well as the west side hills of the San Joaquin Valley and the Bakersfield area where there were a few reports of minor wind damage. Widespread gusts of 50 mph or higher were reported in the foothill and mountain areas with a couple of stations near Lebec reporting gusts exceeding 75 mph. After the winds diminished during the afternoon of December 22, widespread precipitation spread across the area with several reports of 1 to 1.5 inches of liquid precipitation in the Sierra Nevada and adjacent foothills. Rain shadowing generally kept precipitation totals down in the San Joaquin Valley where most locations picked up between a quarter and half an inch of rainfall. A swath of moderate to locally heavy rainfall was observed in central Tulare County during the evening of December 22 as the main low pressure center tracked north through the area and impacted Porterville, Lindsay and Exeter. The precipitation mainly fell as snow above 5000 feet and several stations in the higher Sierra picked up between 10 and 15 inches of new snowfall.

(CA-Z181) MERCED AND MADERA, (CA-Z183) FOGGY BOTTOM, (CA-Z184) FRESNO, (CA-Z199) KERN COUNTY DESERT

12/24/19 01:15 PST	0	Dense Fog
12/24/19 09:55 PST	0	

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As the storm that produced strong winds and widespread precipitation across the area over the previous few days moved out of the area, skies cleared out and winds diminished allowing for radiational cooling to take place over the San Joaquin Valley and Kern County Deserts which resulted in areas of fog forming overnight; and reduced visibility below a quarter mile in some locations. Visibility improved after sunrise at most locations as the fog lifted into a low cloud deck which broke up by late morning.

(CA-Z196) TEHACHAPI AREA, (CA-Z197) FORT TEJON

12/25/19 16:00 PST	0	Heavy Snow
12/26/19 16:00 PST	0	

(CA-Z196) TEHACHAPI AREA, (CA-Z197) FORT TEJON

12/25/19 20:30 PST	0	High Wind (MAX 59 kt)
12/25/19 22:40 PST	0	

(CA-Z196) TEHACHAPI AREA, (CA-Z197) FORT TEJON

12/25/19 22:00 PST	0	Winter Storm
12/27/19 10:00 PST	0	

KERN COUNTY --- 1.4 SE WHEELER RIDGE [34.98, -118.93], 1.6 SE WHEELER RIDGE [34.98, -118.93], 2.4 ESE WHEELER RIDGE [34.98, -118.91], 2.3 ESE WHEELER RIDGE [34.99, -118.91]

12/26/19 05:00 PST	0	Flood (due to Heavy Rain)
12/26/19 07:00 PST	0	Source: Emergency Manager

Kern County Emergency Manager reported roadway flooding on Laval Rd. from Rancho Rd. to Wheeler Ridge Rd.

(CA-Z196) TEHACHAPI AREA

12/26/19 09:00 PST	6K	Strong Wind (MAX 43 kt)
12/26/19 17:30 PST	0	

KERN COUNTY --- 0.7 NE OIL JCT [35.41, -119.04], 0.6 ENE OIL JCT [35.40, -119.04], 0.7 ENE OIL JCT [35.40, -119.04], 0.8 ENE OIL JCT [35.41, -119.04]

12/26/19 09:30 PST	0	Flood (due to Heavy Rain)
12/26/19 12:30 PST	0	Source: Emergency Manager

Kern County Emergency Manager reported Airport Dr. was closed from Roberts Ln. to State Rd. due to flooding.

KERN COUNTY --- 1.1 NNW RICARDO [35.39, -117.99], 1.8 N RICARDO [35.41, -117.99], 1.7 N RICARDO [35.40, -117.98], 1.1 N RICARDO [35.40, -117.98]

12/26/19 13:26 PST	0	Debris Flow
12/26/19 19:26 PST	0	Source: Law Enforcement

California Highway Patrol reported rocks in the roadway on southbound SR 14 near Abbott Dr.

KERN COUNTY --- 1.8 NNW REEFER CITY [35.03, -118.19], 1.8 SSW MOJAVE [35.03, -118.18], 1.6 N REEFER CITY [35.02, -118.18], 1.7 NNW REEFER CITY [35.02, -118.19]

12/26/19 14:00 PST	0.10M	Debris Flow
12/26/19 16:00 PST	0	Source: Law Enforcement

California Highway Patrol reported 4 vehicles were stuck in a mudslide near the intersection of Holt St. and Purdy Ave. in Mojave.

KERN COUNTY --- 2.1 W GARLOCK [35.40, -117.82], 2.0 WSW GARLOCK [35.39, -117.81], 0.5 SW GARLOCK [35.39, -117.79], 1.0 W GARLOCK [35.40, -117.80]

12/26/19 14:00 PST	0	Flood (due to Heavy Rain)
12/26/19 18:00 PST	0	Source: Emergency Manager

Kern County Emergency Manager reported Redrock-Randsburg Rd. was closed between SR 14 and US 395 due to flooding.

KERN COUNTY --- 0.5 NNE WIBLE ORCHARD [35.34, -119.02], 0.6 NE WIBLE ORCHARD [35.34, -119.01], 0.6 NE WIBLE ORCHARD [35.34, -119.01], 0.5 NNE WIBLE ORCHARD [35.34, -119.02]

12/26/19 15:00 PST	0	Flood (due to Heavy Rain)
12/26/19 17:00 PST	0	Source: Emergency Manager

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Kern County Emergency Manager reported Southgate Dr. was closed between Chester Ave. and P St. due to flooding.

KERN COUNTY --- 1.3 ESE LAKEVIEW [35.09, -119.10], 1.9 SE LAKEVIEW [35.08, -119.10], 1.7 SE LAKEVIEW [35.08, -119.10], 1.2 SE LAKEVIEW [35.09, -119.10]

12/26/19 15:00 PST	0	Flood (due to Heavy Rain)
12/26/19 17:00 PST	0	Source: Emergency Manager

Kern County Emergency Manager reported Shallock Rd. was closed between Copus Rd. and Valpredo Ave. due to flooding.

KERN COUNTY --- 1.6 ENE LAMONT [35.28, -118.90], 1.6 ENE LAMONT [35.28, -118.90], 2.8 NNE LAMONT [35.30, -118.89], 2.7 NNE LAMONT [35.30, -118.90]

12/26/19 15:00 PST	0	Flood (due to Heavy Rain)
12/26/19 17:00 PST	0	Source: Emergency Manager

Kern County Emergency Manager reported South Vineland Rd. was closed between Mountain View Rd. and Hermosa Rd. due to flooding.

KERN COUNTY --- 1.8 NNE LAMONT [35.29, -118.91], 2.0 NNE LAMONT [35.30, -118.91], 2.2 NNE LAMONT [35.30, -118.90], 2.0 NNE LAMONT [35.30, -118.90]

12/26/19 15:00 PST	0	Flood (due to Heavy Rain)
12/26/19 17:00 PST	0	Source: Emergency Manager

Kern County Emergency Manager reported Panama Ln. was closed between Weedpatch Hwy. and Edison Rd. due to flooding.

A strong and very cold low pressure system dropped southward along the California coast on Christmas Day bringing some light precipitation inland into central California. The system then turned inland and moved through southern California during the evening of December 25 through the morning of December 26 bringing moderate to heavy precipitation to much of Kern County with lighter amounts further north. Between 1 and 2 inches of liquid precipitation fell across much of Kern County with the snow level between 2500 and 3000 feet. Above the snow line, 1 to 2 feet of new snowfall was reported at several stations and the heavy snowfall resulted in the closure of several highways (including Interstate 5 south of Grapevine) for an extended period of time during a period of normally heavy holiday traffic after several vehicle either slid off of the highway or spun out. One truck driver was killed after being stranded along Interstate 5 for several hours. Across the Kern County Deserts and in the San Joaquin Valley from Bakersfield southward, heavy rainfall resulted in several roads being closed for a few hours with several reports of nuisance flooding reported by the Emergency Managers office or by law enforcement. There were also several reports of strong wind gusts and some reports of minor wind damage in the Fort Tejon and Tehachapi areas. Further north precipitation amounts were significantly lower although parts of Kings County picked up between a quarter and three quarters of an inch of rainfall. The remainder of the area generally picked up a quarter of an inch or less of liquid precipitation before the system moved to the east of the area during the evening of December 26.

(CA-Z181) MERCED AND MADERA, (CA-Z183) FOGGY BOTTOM, (CA-Z184) FRESNO

12/27/19 01:35 PST	0	Dense Fog
12/27/19 10:45 PST	0	

As the strong storm which impacted the area and disrupted travel over the previous two days moved into Arizona during the morning of December 27, high pressure moved into the area and brought drier weather, clearing skies and decreased winds. This resulted in a strip of dense fog forming along the middle of the San Joaquin Valley which reduced visibility to below a quarter mile at some locations during the morning of December 27 disrupting some holiday season travel plans. The fog lifted into a low cloud deck by late morning which dissipated by early afternoon.

(CA-Z181) MERCED AND MADERA, (CA-Z183) FOGGY BOTTOM

12/28/19 08:10 PST	0	Dense Fog
12/28/19 10:00 PST	0	

With clear skies and light winds prevailing over the San Joaquin Valley during the early morning of December 28, areas of fog formed by sunrise and reduced visibility to below a quarter mile at a few locations although the fog was not as extensive or as widespread as the previous day. The fog dissipated by late morning.

(CA-Z196) TEHACHAPI AREA

12/30/19 19:15 PST	0	Freezing Fog
12/30/19 21:15 PST	0	

A low pressure system dropped southward along the California coast on December 29 and 30. This system did not produce much precipitation inland with a few stations measuring a few hundredths of an inch of liquid precipitation. Upslope flow behind the departing system resulted in low level moisture banking up along the Tehachapi Mountains during the evening of December 30 resulting in some dense fog for a few hours in the Tehachapi area. The fog combined with subfreezing temperatures to produce freezing fog along State

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Route 58. The fog broke up by late evening as lower levels dried up.

(CA-Z183) FOGGY BOTTOM, (CA-Z184) FRESNO, (CA-Z185) TULARE COUNTY

12/31/19 00:35 PST	0	Dense Fog
12/31/19 10:05 PST	0	

High pressure centered off the California coast kept mainly clear skies over the area overnight allowing for fog to form in the San Joaquin Valley as winds remained light. While the fog dissipated shortly after sunrise at most locations, it persisted until late morning in eastern Kings and far western Tulare Counties reducing visibility to less than 1000 feet at times. The fog finally lifted into a low cloud deck by late morning which slowly dissipated during the afternoon.

(CA-Z196) TEHACHAPI AREA

12/31/19 20:15 PST	0	Freezing Fog
12/31/19 22:15 PST	0	

A northerly low level flow produced upslope low clouds along the south end of the San Joaquin Valley during the evening of December 31 as there was plenty of low level moisture in place from recent storms. Some of the low level moisture banked up against the mountains in the Tehachapi area resulting in dense fog with visibility below a quarter mile in subfreezing temperatures which also produced black ice on State Route 58. The fog dissipated by late evening as the low level flow turned to the southeast and dried out the lower atmosphere in the Tehachapi area.