_ocation	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
CALIFORNIA, South Central				
CA-Z093) S SIERRA FOOTHILLS				
· · · ·	01/01/19 01:24 PST		0	High Wind (MAX 50 kt)
	01/01/19 01:24 PST		0	
ocally strong northeast winds picked upper jet was diving down over central rround 40 mph.		-		_
(CA-Z091) SW S.J. VALLEY, (CA-Z092)	SE S.J. VALLEY			
	01/01/19 02:50 PST		0	Dense Fog
	01/01/19 08:56 PST		0	
(CA-Z091) SW S.J. VALLEY, (CA-Z092)	SE S.J. VALLEY 01/01/19 03:00 PST		0	Frost/Freeze
	01/01/19 08:00 PST		0	
	-	2) SE S.J. VALLEY	0	Frost/Freeze
CA-Z089) W CENTRAL S.J. VALLEY, (CA-Z091) SW S.J. VALLEY, (CA-Z092 01/02/19 03:00 PST 01/02/19 08:00 PST		0 0	
(CA-Z089) W CENTRAL S.J. VALLEY, (The cold airmass that was in place over	CA-Z091) SW S.J. VALLEY, (CA-Z092 01/02/19 03:00 PST 01/02/19 08:00 PST er the San Joaquin Valley continued	to dry out during t	0 0 he morning of Jan	uary 2. With clear skies
cold temperatures, locally dense fog in (CA-Z089) W CENTRAL S.J. VALLEY, (The cold airmass that was in place ove prevailing and light winds overnight, te (CA-Z096) S SIERRA MTNS, (CA-Z097)	CA-Z091) SW S.J. VALLEY, (CA-Z092 01/02/19 03:00 PST 01/02/19 08:00 PST er the San Joaquin Valley continued emperatures lowered into the 20's in	to dry out during t	0 0 he morning of Jan	uary 2. With clear skies
CA-Z089) W CENTRAL S.J. VALLEY, (The cold airmass that was in place ove prevailing and light winds overnight, te	CA-Z091) SW S.J. VALLEY, (CA-Z092 01/02/19 03:00 PST 01/02/19 08:00 PST er the San Joaquin Valley continued emperatures lowered into the 20's in TULARE CTY MTNS 01/05/19 10:00 PST	to dry out during t	0 0 the morning of Jam the central and so	uary 2. With clear skies
CA-Z089) W CENTRAL S.J. VALLEY, (The cold airmass that was in place ove prevailing and light winds overnight, te	CA-Z091) SW S.J. VALLEY, (CA-Z092 01/02/19 03:00 PST 01/02/19 08:00 PST er the San Joaquin Valley continued emperatures lowered into the 20's in TULARE CTY MTNS	to dry out during t	0 0 the morning of Jan the central and so	uary 2. With clear skies buth San Joaquin Valley.
CA-Z089) W CENTRAL S.J. VALLEY, (The cold airmass that was in place ove prevailing and light winds overnight, te CA-Z096) S SIERRA MTNS, (CA-Z097)	CA-Z091) SW S.J. VALLEY, (CA-Z092 01/02/19 03:00 PST 01/02/19 08:00 PST er the San Joaquin Valley continued emperatures lowered into the 20's in TULARE CTY MTNS 01/05/19 10:00 PST 01/05/19 22:00 PST	to dry out during f many locations ir	0 0 the morning of Jan the central and so 0 0	uary 2. With clear skies buth San Joaquin Valley. Heavy Snow
(CA-Z089) W CENTRAL S.J. VALLEY, (The cold airmass that was in place ove prevailing and light winds overnight, te (CA-Z096) S SIERRA MTNS, (CA-Z097) MARIPOSA COUNTY 0.6 S MORMON	CA-Z091) SW S.J. VALLEY, (CA-Z092 01/02/19 03:00 PST 01/02/19 08:00 PST er the San Joaquin Valley continued emperatures lowered into the 20's in TULARE CTY MTNS 01/05/19 10:00 PST 01/05/19 22:00 PST	to dry out during f many locations ir	0 0 the morning of Jan 0 the central and so 0 0 9.95], 0.6 S MORM	buary 2. With clear skies buth San Joaquin Valley. Heavy Snow ON BAR [37.46, -119.95], 0.6 S
(CA-Z089) W CENTRAL S.J. VALLEY, (The cold airmass that was in place ove prevailing and light winds overnight, te	CA-Z091) SW S.J. VALLEY, (CA-Z092 01/02/19 03:00 PST 01/02/19 08:00 PST er the San Joaquin Valley continued emperatures lowered into the 20's in TULARE CTY MTNS 01/05/19 10:00 PST 01/05/19 22:00 PST N BAR [37.46, -119.95], 0.5 S MORMO 01/05/19 16:31 PST	to dry out during f many locations ir	0 0 the morning of Jan the central and so 0 0	uary 2. With clear skies buth San Joaquin Valley. Heavy Snow ON BAR [37.46, -119.95], 0.6 S Flood (due to Heavy Rain)
(CA-Z089) W CENTRAL S.J. VALLEY, (The cold airmass that was in place ove prevailing and light winds overnight, te (CA-Z096) S SIERRA MTNS, (CA-Z097) MARIPOSA COUNTY 0.6 S MORMON MORMON BAR [37.46, -119.95]	CA-Z091) SW S.J. VALLEY, (CA-Z092 01/02/19 03:00 PST 01/02/19 08:00 PST er the San Joaquin Valley continued emperatures lowered into the 20's in TULARE CTY MTNS 01/05/19 10:00 PST 01/05/19 22:00 PST N BAR [37.46, -119.95], 0.5 S MORMO 01/05/19 16:31 PST 01/05/19 17:31 PST	to dry out during f many locations ir DN BAR [37.46, -11	0 0 the morning of Jan 0 the central and so 0 0 9.95], 0.6 S MORM 0 0	Heavy Snow ON BAR [37.46, -119.95], 0.6 S Flood (due to Heavy Rain) Source: Law Enforcement
(CA-Z089) W CENTRAL S.J. VALLEY, (The cold airmass that was in place ove prevailing and light winds overnight, te (CA-Z096) S SIERRA MTNS, (CA-Z097) MARIPOSA COUNTY 0.6 S MORMON	CA-Z091) SW S.J. VALLEY, (CA-Z092 01/02/19 03:00 PST 01/02/19 08:00 PST er the San Joaquin Valley continued emperatures lowered into the 20's in TULARE CTY MTNS 01/05/19 10:00 PST 01/05/19 22:00 PST N BAR [37.46, -119.95], 0.5 S MORMO 01/05/19 16:31 PST 01/05/19 17:31 PST	to dry out during f many locations ir DN BAR [37.46, -11	0 0 the morning of Jan 0 the central and so 0 0 9.95], 0.6 S MORM 0 0	Heavy Snow ON BAR [37.46, -119.95], 0.6 S Flood (due to Heavy Rain) Source: Law Enforcement
(CA-Z089) W CENTRAL S.J. VALLEY, (The cold airmass that was in place over prevailing and light winds overnight, to (CA-Z096) S SIERRA MTNS, (CA-Z097) MARIPOSA COUNTY 0.6 S MORMON MORMON BAR [37.46, -119.95] California Highway Patrol reported a dow	CA-Z091) SW S.J. VALLEY, (CA-Z092 01/02/19 03:00 PST 01/02/19 08:00 PST er the San Joaquin Valley continued emperatures lowered into the 20's in TULARE CTY MTNS 01/05/19 10:00 PST 01/05/19 22:00 PST N BAR [37.46, -119.95], 0.5 S MORMC 01/05/19 16:31 PST 01/05/19 17:31 PST wned tree from runoff blocking the road into northern California during the r	to dry out during f many locations in DN BAR [37.46, -11 dway on Old Highv norning of Januar	0 0 the morning of Jam the central and so 0 0 9.95], 0.6 S MORM 0 0 vay at Mormon Bar y 5. This system p	Huary 2. With clear skies buth San Joaquin Valley. Heavy Snow ON BAR [37.46, -119.95], 0.6 S Flood (due to Heavy Rain) Source: Law Enforcement crossing. ushed a precipitation
(CA-Z089) W CENTRAL S.J. VALLEY, (The cold airmass that was in place over prevailing and light winds overnight, to (CA-Z096) S SIERRA MTNS, (CA-Z097) MARIPOSA COUNTY 0.6 S MORMON MORMON BAR [37.46, -119.95] California Highway Patrol reported a dow A Pacific low pressure system pushed band through central California during	CA-Z091) SW S.J. VALLEY, (CA-Z092 01/02/19 03:00 PST 01/02/19 08:00 PST er the San Joaquin Valley continued emperatures lowered into the 20's in TULARE CTY MTNS 01/05/19 10:00 PST 01/05/19 22:00 PST N BAR [37.46, -119.95], 0.5 S MORMC 01/05/19 16:31 PST 01/05/19 17:31 PST wned tree from runoff blocking the road into northern California during the r	to dry out during f many locations in DN BAR [37.46, -11 dway on Old Highv norning of Januar ry 5 which produc	0 0 the morning of Jam the central and so 0 0 9.95], 0.6 S MORM 0 0 vay at Mormon Bar y 5. This system p red a quarter to ha	Auary 2. With clear skies buth San Joaquin Valley. Heavy Snow ON BAR [37.46, -119.95], 0.6 S Flood (due to Heavy Rain) Source: Law Enforcement crossing. ushed a precipitation If of an inch of rain across
(CA-Z089) W CENTRAL S.J. VALLEY, (The cold airmass that was in place over prevailing and light winds overnight, to (CA-Z096) S SIERRA MTNS, (CA-Z097) MARIPOSA COUNTY 0.6 S MORMON MORMON BAR [37.46, -119.95] California Highway Patrol reported a dow	CA-Z091) SW S.J. VALLEY, (CA-Z092 01/02/19 03:00 PST 01/02/19 08:00 PST er the San Joaquin Valley continued emperatures lowered into the 20's in TULARE CTY MTNS 01/05/19 10:00 PST 01/05/19 22:00 PST N BAR [37.46, -119.95], 0.5 S MORMC 01/05/19 16:31 PST 01/05/19 17:31 PST wned tree from runoff blocking the road into northern California during the r the afternoon and evening of Janua ie Kern County Mountains and half a	to dry out during t many locations in DN BAR [37.46, -11 dway on Old Highv norning of Januar ry 5 which produc n inch to an inch o	0 0 the morning of Jam the central and so 0 0 9.95], 0.6 S MORM 0 0 vay at Mormon Bar y 5. This system p red a quarter to ha of liquid precipitati	Auary 2. With clear skies buth San Joaquin Valley. Heavy Snow ON BAR [37.46, -119.95], 0.6 S Flood (due to Heavy Rain) Source: Law Enforcement crossing. ushed a precipitation If of an inch of rain across ion across the southern
(CA-Z089) W CENTRAL S.J. VALLEY, (The cold airmass that was in place over prevailing and light winds overnight, to (CA-Z096) S SIERRA MTNS, (CA-Z097) MARIPOSA COUNTY 0.6 S MORMON MORMON BAR [37.46, -119.95] California Highway Patrol reported a dow A Pacific low pressure system pushed band through central California during much of the San Joaquin Valley and th Sierra Nevada and an estimated 12 to 1	CA-Z091) SW S.J. VALLEY, (CA-Z092 01/02/19 03:00 PST 01/02/19 08:00 PST er the San Joaquin Valley continued emperatures lowered into the 20's in TULARE CTY MTNS 01/05/19 10:00 PST 01/05/19 22:00 PST N BAR [37.46, -119.95], 0.5 S MORMO 01/05/19 16:31 PST 01/05/19 17:31 PST wned tree from runoff blocking the road into northern California during the r the afternoon and evening of Janua ie Kern County Mountains and half a 18 inches of snow fell above 7000 fed	to dry out during t many locations in DN BAR [37.46, -11 dway on Old Highv norning of Januar ry 5 which produc n inch to an inch o at from SNOTEL o	0 0 0 0 0 0 0 9.95], 0.6 S MORM 0 0 vay at Mormon Bar y 5. This system p red a quarter to ha of liquid precipitations. The Moreconsultations.	Auary 2. With clear skies buth San Joaquin Valley. Heavy Snow ON BAR [37.46, -119.95], 0.6 S Flood (due to Heavy Rain) Source: Law Enforcement crossing. ushed a precipitation If of an inch of rain across ion across the southern
CA-Z089) W CENTRAL S.J. VALLEY, (The cold airmass that was in place over prevailing and light winds overnight, te (CA-Z096) S SIERRA MTNS, (CA-Z097) MARIPOSA COUNTY 0.6 S MORMON MORMON BAR [37.46, -119.95] California Highway Patrol reported a dow A Pacific low pressure system pushed band through central California during much of the San Joaquin Valley and th Sierra Nevada and an estimated 12 to frain shadowed for much of this event a	CA-Z091) SW S.J. VALLEY, (CA-Z092 01/02/19 03:00 PST 01/02/19 08:00 PST er the San Joaquin Valley continued a emperatures lowered into the 20's in TULARE CTY MTNS 01/05/19 10:00 PST 01/05/19 22:00 PST N BAR [37.46, -119.95], 0.5 S MORMO 01/05/19 16:31 PST 01/05/19 17:31 PST whee tree from runoff blocking the road into northern California during the road into northern California during the road the afternoon and evening of Janua ie Kern County Mountains and half a 18 inches of snow fell above 7000 fed and most areas only picked up a few	to dry out during t many locations in DN BAR [37.46, -11 dway on Old Highv norning of Januar ry 5 which produc n inch to an inch o at from SNOTEL o hundredths of an	0 0 the morning of Jam the central and so 0 0 9.95], 0.6 S MORM 0 0 vay at Mormon Bar y 5. This system p red a quarter to ha of liquid precipitati bservations. The k inch of rain.	Auary 2. With clear skies bouth San Joaquin Valley. Heavy Snow ON BAR [37.46, -119.95], 0.6 S Flood (due to Heavy Rain) Source: Law Enforcement crossing. ushed a precipitation If of an inch of rain across ion across the southern Kern County Deserts were
(CA-Z089) W CENTRAL S.J. VALLEY, (The cold airmass that was in place over prevailing and light winds overnight, to (CA-Z096) S SIERRA MTNS, (CA-Z097) MARIPOSA COUNTY 0.6 S MORMON MORMON BAR [37.46, -119.95] California Highway Patrol reported a dow A Pacific low pressure system pushed band through central California during much of the San Joaquin Valley and th	CA-Z091) SW S.J. VALLEY, (CA-Z092 01/02/19 03:00 PST 01/02/19 03:00 PST er the San Joaquin Valley continued emperatures lowered into the 20's in TULARE CTY MTNS 01/05/19 10:00 PST 01/05/19 22:00 PST N BAR [37.46, -119.95], 0.5 S MORMO 01/05/19 16:31 PST 01/05/19 17:31 PST whee tree from runoff blocking the road into northern California during the r the afternoon and evening of Janua the Kern County Mountains and half a 18 inches of snow fell above 7000 fed and most areas only picked up a few CA-Z090) E CENTRAL S.J. VALLEY,	to dry out during t many locations in DN BAR [37.46, -11 dway on Old Highv norning of Januar ry 5 which produc n inch to an inch o at from SNOTEL o hundredths of an	0 0 0 0 0 0 0 9.95], 0.6 S MORM 0 0 2 4 A Mormon Bar y 5. This system p red a quarter to ha of liquid precipitati bservations. The k inch of rain.	Auary 2. With clear skies bouth San Joaquin Valley. Heavy Snow ON BAR [37.46, -119.95], 0.6 S Flood (due to Heavy Rain) Source: Law Enforcement crossing. Ushed a precipitation If of an inch of rain across fon across the southern Cern County Deserts were
CA-Z089) W CENTRAL S.J. VALLEY, (The cold airmass that was in place over prevailing and light winds overnight, te (CA-Z096) S SIERRA MTNS, (CA-Z097) MARIPOSA COUNTY 0.6 S MORMON MORMON BAR [37.46, -119.95] California Highway Patrol reported a dow A Pacific low pressure system pushed band through central California during much of the San Joaquin Valley and th Sierra Nevada and an estimated 12 to frain shadowed for much of this event a	CA-Z091) SW S.J. VALLEY, (CA-Z092 01/02/19 03:00 PST 01/02/19 08:00 PST er the San Joaquin Valley continued a emperatures lowered into the 20's in TULARE CTY MTNS 01/05/19 10:00 PST 01/05/19 22:00 PST N BAR [37.46, -119.95], 0.5 S MORMO 01/05/19 16:31 PST 01/05/19 17:31 PST whee tree from runoff blocking the road into northern California during the road the afternoon and evening of Janua ie Kern County Mountains and half a 18 inches of snow fell above 7000 fed and most areas only picked up a few	to dry out during t many locations in DN BAR [37.46, -11 dway on Old Highv norning of Januar ry 5 which produc n inch to an inch o at from SNOTEL o hundredths of an	0 0 0 0 0 0 0 0 0 0 0 0 0 0	Auary 2. With clear skies bouth San Joaquin Valley. Heavy Snow ON BAR [37.46, -119.95], 0.6 S Flood (due to Heavy Rain) Source: Law Enforcement crossing. ushed a precipitation If of an inch of rain across ion across the southern Kern County Deserts were
(CA-Z089) W CENTRAL S.J. VALLEY, (The cold airmass that was in place over prevailing and light winds overnight, to (CA-Z096) S SIERRA MTNS, (CA-Z097) MARIPOSA COUNTY 0.6 S MORMON MORMON BAR [37.46, -119.95] California Highway Patrol reported a dow A Pacific low pressure system pushed band through central California during much of the San Joaquin Valley and th Sierra Nevada and an estimated 12 to frain shadowed for much of this event a	CA-Z091) SW S.J. VALLEY, (CA-Z092 01/02/19 03:00 PST 01/02/19 03:00 PST er the San Joaquin Valley continued emperatures lowered into the 20's in TULARE CTY MTNS 01/05/19 10:00 PST 01/05/19 22:00 PST N BAR [37.46, -119.95], 0.5 S MORMO 01/05/19 16:31 PST 01/05/19 17:31 PST whee tree from runoff blocking the road into northern California during the r the afternoon and evening of Janua ie Kern County Mountains and half a 18 inches of snow fell above 7000 fed and most areas only picked up a few CA-Z090) E CENTRAL S.J. VALLEY, 01/06/19 18:08 PST	to dry out during t many locations in DN BAR [37.46, -11 dway on Old Highv norning of Januar ry 5 which produc n inch to an inch o at from SNOTEL o hundredths of an	0 0 0 0 0 0 0 9.95], 0.6 S MORM 0 0 2 4 A Mormon Bar y 5. This system p red a quarter to ha of liquid precipitati bservations. The k inch of rain.	Auary 2. With clear skies bouth San Joaquin Valley. Heavy Snow ON BAR [37.46, -119.95], 0.6 S Flood (due to Heavy Rain) Source: Law Enforcement crossing. Ushed a precipitation If of an inch of rain across fon across the southern Cern County Deserts were
(CA-Z089) W CENTRAL S.J. VALLEY, (The cold airmass that was in place over prevailing and light winds overnight, to (CA-Z096) S SIERRA MTNS, (CA-Z097) MARIPOSA COUNTY 0.6 S MORMON MORMON BAR [37.46, -119.95] California Highway Patrol reported a dow A Pacific low pressure system pushed band through central California during much of the San Joaquin Valley and th Sierra Nevada and an estimated 12 to frain shadowed for much of this event a	CA-Z091) SW S.J. VALLEY, (CA-Z092 01/02/19 03:00 PST 01/02/19 03:00 PST er the San Joaquin Valley continued emperatures lowered into the 20's in TULARE CTY MTNS 01/05/19 10:00 PST 01/05/19 22:00 PST N BAR [37.46, -119.95], 0.5 S MORMO 01/05/19 16:31 PST 01/05/19 17:31 PST wned tree from runoff blocking the road into northern California during the r the afternoon and evening of Janua te Kern County Mountains and half a 18 inches of snow fell above 7000 fed and most areas only picked up a few CA-Z090) E CENTRAL S.J. VALLEY, 01/06/19 18:08 PST 01/06/19 22:35 PST	to dry out during t many locations in DN BAR [37.46, -11 dway on Old Highv norning of Januar ry 5 which produc n inch to an inch o at from SNOTEL o hundredths of an	0 0 0 0 0 0 0 0 0 0 0 0 0 0	Auary 2. With clear skies bouth San Joaquin Valley. Heavy Snow ON BAR [37.46, -119.95], 0.6 S Flood (due to Heavy Rain) Source: Law Enforcement crossing. Ushed a precipitation If of an inch of rain across fon across the southern Cern County Deserts were
(CA-Z089) W CENTRAL S.J. VALLEY, (The cold airmass that was in place over prevailing and light winds overnight, te (CA-Z096) S SIERRA MTNS, (CA-Z097) MARIPOSA COUNTY 0.6 S MORMON MORMON BAR [37.46, -119.95] California Highway Patrol reported a dow A Pacific low pressure system pushed band through central California during much of the San Joaquin Valley and th Sierra Nevada and an estimated 12 to 4 rain shadowed for much of this event a (CA-Z089) W CENTRAL S.J. VALLEY, (CA-Z091) SW S.J. VALLEY, (CA-Z092 01/02/19 03:00 PST 01/02/19 03:00 PST er the San Joaquin Valley continued emperatures lowered into the 20's in TULARE CTY MTNS 01/05/19 10:00 PST 01/05/19 22:00 PST N BAR [37.46, -119.95], 0.5 S MORMO 01/05/19 16:31 PST 01/05/19 17:31 PST wned tree from runoff blocking the road into northern California during the r the afternoon and evening of Janua te Kern County Mountains and half a 18 inches of snow fell above 7000 fed and most areas only picked up a few CA-Z090) E CENTRAL S.J. VALLEY, 01/06/19 18:08 PST 01/06/19 22:35 PST	to dry out during t many locations in DN BAR [37.46, -11 dway on Old Highv norning of Januar ry 5 which produc n inch to an inch o at from SNOTEL o hundredths of an	0 0 0 0 0 0 0 0 0 0 0 0 0 0	Auary 2. With clear skies bouth San Joaquin Valley. Heavy Snow ON BAR [37.46, -119.95], 0.6 S Flood (due to Heavy Rain) Source: Law Enforcement crossing. Ushed a precipitation If of an inch of rain across fon across the southern Cern County Deserts were

most noticed across the San Joaquin Valley where several trees and power lines were blown down or knocked over.

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	01/08/19 03:34 PST		0	High Wind (MAX 61 kt)
	01/08/19 06:38 PST		0	

The third of three storms in four days moved through central California on January 9. While this storm did not produce as much rainfall or mountain snow as the previous two systems, strong winds ahead of this storm impacted travel in the Grapevine area in the Kern County Mountains along Interstate 5 and in the south end of the San Joaquin Valley where gusts as high as 70 mph were measured.

(CA-Z089) W CENTRAL S.J. VALLEY, (CA-Z090) E CENTRAL S.J. VALLEY, (CA-Z091) SW S.J.	VALLEY, (CA-Z0	92) SE S.J. VALLEY
01/10/19 03:15 PST	10K	Dense Fog
01/10/19 10:35 PST	0	

An upper ridge pushed inland into California on the evening of January 9th and morning of January 10. As a result, skies cleared out and winds diminished across the San Joaquin Valley during the early morning hours which led to the development of widespread dense fog across much of the valley on the morning of the 10th and several locations reported visibility of an eighth of a mile or less. The dense fog was responsible for a fatal auto accident near Atwater. Several school districts in the valley opened late that morning. The fog lifted into a low cloud deck by late morning and dissipated by early afternoon.

(CA-Z090) E CENTRAL S.J. VALLEY, (CA-Z091) S	W S.J. VALLEY		
	01/10/19 18:35 PST	0	Dense Fog
	01/11/19 09:15 PST	0	

As skies cleared out in the San Joaquin Valley during the evening of January 10, widespread dense fog reformed across the San Joaquin Valley and persisted for much of the night. The fog dissipated by late morning as a low pressure system approaching the southern California coast helped mix out the atmosphere.

(CA-Z095) KERN CTY MTNS				
	01/11/19 12:40 PST	0	High Wind (MAX 51 kt)	
	01/11/19 13:13 PST	0		

A low pressure system dropped southeast off the California coast on January 11. As the low was off the central California coast it helped mix out the atmosphere over the San Joaquin Valley and allowed for the fog and low clouds which had persisted since the previous day in some areas to dissipate. This system also produced strong offshore pressure gradients which resulted in strong downslope winds near the Grapevine area in the Kern County Mountains and in the south end of the San Joaquin Valley. Several stations measured wind gusts between 35 and 50 mph during the afternoon and evening of January 11 and a pair of ridge top sites reported gusts near 60 mph. The winds diminished by late evening as the low moved inland across southern California.

(CA-Z095) KERN CTY MTNS			
	01/14/19 04:00 PST	0	Winter Storm
	01/14/19 16:00 PST	0	
(CA-Z095) KERN CTY MTNS, (CA-Z09	7) TULARE CTY MTNS		
	01/14/19 04:00 PST	0	Heavy Snow
	01/14/19 16:00 PST	0	
(CA-Z095) KERN CTY MTNS			
	01/14/19 09:40 PST	0.15M	High Wind (MAX 58 kt)
	01/14/19 10:46 PST	0	

A low pressure system approached the central California coast during the early morning of January 14 then dropped southeast and moved into southern California during the afternoon. As the low dropped southeastward along the coast it spread deep moisture inland producing heavy snow in the Kern County Mountains above 4000 feet. Interstate 5 was closed for 7.5 hours as numerous accidents resulted in hundreds of stranded and overturned vehicles. In addition to the heavy snow, strong winds produced local whiteout conditions in the Kern County Mountains and gusts above 60 mph were reported in the Bear Valley Springs area, and several other locations in the Kern County Mountains and south end of the San Joaquin Valley measured wind gusts above 50 mph.

(CA-Z092) SE S.J. VALLEY				
	01/15/19 10:10 PST	25K	Strong Wind (MAX 48 kt)	
	01/15/19 10:10 PST	0		

(CA-Z092) SE S.J. VALLEY

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	01/15/19 12:55 PST		0	High Wind (MAX 61 kt)
	01/15/19 12:55 PST		0	
A low pressure system moved inland throu strong winds gusts in the Grapevine area ir	• •		•	
CA-Z096) S SIERRA MTNS, (CA-Z097) TUL	ARE CTY MTNS			
	01/16/19 20:00 PST		0	Heavy Snow
	01/17/19 08:00 PST		0	
IARIPOSA COUNTY 0.4 SW INCLINE [37		[37.68, -119.83], 1.8	E INCLINE [37.67	7, -119.82], 0.6 WSW EL PORTAL
37.68, -119.79], 1.5 SW EL PORTAL [37.66,	-119.80] 01/16/19 20:30 PST		0	Debris Flow
	01/17/19 06:30 PST		0	Source: Newspaper
State Route 140 was already closed in advan to be removed from State Route 140 west of		-		
CA-Z095) KERN CTY MTNS, (CA-Z096) S S	IERRA MTNS, (CA-Z098) INDIAN	WELLS VLY		
	01/17/19 01:00 PST		0	High Wind (MAX 76 kt)
	01/17/19 23:27 PST		0	
CA-Z090) E CENTRAL S.J. VALLEY, (CA-Z		-Z096) S SIERRA I	MTNS, (CA-Z097) 1	TULARE CTY MTNS
, , , , , , , , , , , , , , , , , , , ,	01/17/19 04:31 PST	,	5K	Strong Wind (MAX 43 kt)
	01/17/19 07:03 PST		0	
ERN COUNTY 0.2 NNW KERN JCT [35.3	35, -118.98], 0.3 NE KERN JCT [3	35.35, -118.98], 0.2	NE KERN JCT [35	5.35, -118.98], 0.2 NNW KERN JCT [35.35,
118.98]	01/17/19 05:10 PST		0	Flood (due to Heavy Rain)
	01/17/19 07:10 PST		0	Source: Law Enforcement
California Highway Patrol reported roadway fi	looding affecting the westbound l	anes of State Pout	58 east of Cotton	wood Road in Rekersfield
allornia riighway r allorreported roadway ii	looung anecting the westbound h			wood Road in Dakersneid.
KERN COUNTY 0.8 ENE BODFISH [35.60	, -118.49], 0.8 ENE BODFISH [35	5.60, -118.49], 0.8 E	NE BODFISH [35.0	60, -118.49], 0.8 ENE BODFISH [35.60,
118.49]	01/17/19 05:44 PST		0	Flood (due to Heavy Rain)
	01/17/19 09:44 PST		0	Source: Law Enforcement
	01/1/18 08.441 01		0	
California Highway Patrol reported the northb	ound lanes of Lake Isabella Blvd.	. completely floode	d at the Chain Ave	. intersection in Bodfish.
KERN COUNTY 1.3 WSW GARLOCK [35.	39, -117.80], 1.3 WSW GARLOCK	K [35.39, -117.80], ().9 WSW GARLOO	CK [35.39, -117.79], 1.0 SW GARLOCK
35.39, -117.79]	01/17/19 06:19 PST		0	Flood (due to Heavy Rain)
	01/17/19 10:19 PST		0	Source: Law Enforcement
California Highway Patrol reported Redrock-F	Randsburg Road flooded at the in	tersection of Garlo	ck Road near Rand	dsburg.
ERN COUNTY 7.0 SW CABLE [35.09, -1	18.60], 6.8 WSW CABLE [35.10.	-118.60], 6.9 WSW	CABLE [35.10, -1'	18.60], 7.2 SW CABLE [35.09, -118.60]
• • • • • •	01/17/19 06:33 PST	-	0	Flood (due to Heavy Rain)
	01/17/19 08:33 PST		0	Source: Law Enforcement
California Highway Patrol reported roadway f	looding at the intersection of Pelli	sier Road and Ban	ducci Road near S	tallion Springs.
KERN COUNTY 0.8 NE BAKERSFIELD E	AST [35.38, -118.97], 0.9 ENE BA	KERSFIELD EAST	- [35.38, -118.971. (0.8 ENE BAKERSFIELD EAST [35.38,
			. ,	
	-			
118.97], 0.8 ENE BAKERSFIELD EAST [35.3	38, -118.97] 01/17/19 07:03 PST 01/17/19 09:03 PST		0 0	Flood (due to Heavy Rain) Source: Law Enforcement

California Highway Patrol reported roadway flooding at the intersection of Niles St. and Mount Vernon Ave in Bakersfield.

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
KERN COUNTY 1.9 WSW ROSAMOND AR	•	OSAMOND ARPT	[34.86, -118.23], 1.	6 WSW ROSAMOND ARPT [34.86,
-118.23], 1.9 WSW ROSAMOND ARPT [34.86,	01/17/19 08:24 PST		0	Flood (due to Heavy Rain)
	01/17/19 10:24 PST		0	Source: Law Enforcement
California Highway Patrol reported roadway flo	oding on Rosamond Blvd. in Ro	osamond.		
KERN COUNTY 1.3 N KERN CITY [35.37, -	119.02], 1.4 W BAKERSFIELD [35.37, -119.02], 1.3	3 W BAKERSFIELD	D [35.37, -119.02], 1.3 N KERN CITY
[35.37, -119.02]	01/17/19 08:33 PST		0	Flood (due to Heavy Rain)
	01/17/19 10:33 PST		0	Source: Public
Public report of roadway flooding on F St. in B	akersfield.			
ULARE COUNTY 1.6 NNW LEMONCOVE	[36.40119.03], 1.5 NNW LEM	ONCOVE [36.40	119.031, 1.5 NNW L	EMONCOVE [36.40119.03], 1.5 NNW
_EMONCOVE [36.40, -119.03]	Letter, thereof, no have LEM			
	01/17/19 08:44 PST		0	Debris Flow
	01/17/19 11:44 PST		0	Source: Fire Department/Rescue
California Highway Patrol reported Tulare Cou Lemon Cove.	nty Fire Department response u	nit reported a land	slide along Dry Cre	eek Dr. and State Route 216 west of
KERN COUNTY 5.2 NE LAKE ISABELLA [35.65, -118.38], 5.3 NE LAKE IS	ABELLA [35.65, -1	18.37], 5.3 NE LAP	KE ISABELLA [35.65, -118.37], 5.2 NE
LAKE ISABELLA [35.65, -118.38]	01/17/19 09:06 PST		0	Flood (due to Heavy Rain)
	01/17/19 11:06 PST		0	Source: Law Enforcement
ERN COUNTY 6.0 NNW KEENE [35.30, -1 118.59], 2.1 E CALIENTE [35.30, -118.59]	01/17/19 11:50 PST	, -118.58], 2.8 E CA	ALIENTE [35.31, -1 0	Debris Flow
	01/17/19 14:50 PST		0	Source: Public
ublic reports of several large rocks on the Ca	liente Bodfish Road and Calient	e Creek Road Forl	k northeast of Calie	nte.
RESNO COUNTY 3.2 SSW ACADEMY [36	.84, -119.56], 2.9 SSW ACADEI	MY [36.84, -119.54]]	
-	01/17/19 15:20 PST	-	0.50M	Tornado (EF1, L: 0.25 mi , W: 20 yd)
	01/17/19 15:25 PST		0	Source: Public
tornado was determined by radar and obser buched down near the intersection of Herndor			e	•
KERN COUNTY 1.0 SSE KERNVILLE [35.7 [35.75, -118.42], 0.6 ESE KERNVILLE [35.75, -		35.74, -118.43], 0.2	2 ENE KERNVILLE	[35.75, -118.43], 0.5 NE KERNVILLE
· · · · · · · · · · · · · · · · · · ·	01/17/19 16:10 PST		0	Debris Flow
	01/17/19 18:10 PST		0	Source: Law Enforcement
california Highway Patrol reported mud, dirt ar	nd rocks effecting Burlando Roa	d and Kern River [Dr. in Kernville.	
A strong low pressure system with a deep m noderate to heavy precipitation along with s oadway flooding were received during the m lows were reported in the Ferguson Fire bur precipitation turned to showers and isolated east of Clovis which was rated as EF-1 follow County Deserts picked up between half an ir precipitation and the Kern County Mountains eet where several locations in the higher ele mowfall. There were also several reports of	trong winds to much of the are norning of January 17 when th m area in Mariposa County and thunderstorms during the after ving a storm survey of the dam ach to an inch of rain while the s had 1.5 to 3 inches of liquid p vations of the Southern Sierra	ea through the after e heaviest precipie d State Route 140 ernoon of January hage it produced. I Southern Sierra N precipitation. The p Nevada above 70	ernoon of January tation occurred. Fl was closed for ove 17. One thunderst Most of the San Jo levada had 2 to 4 i precipitation mainl 00 feet picked up	17. Several reports of ash flooding and debris er 11 hours. The form produced a tornado aquin Valley and Kern nches of liquid ly fell as snow above 7000 10 to 20 inches of new

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	01/19/19 06:40 PST		0	Dense Fog
	01/19/19 10:56 PST		0	

High pressure pushed inland into California during the morning of January 19 following the departure of the powerful storm system that brought moderate to heavy precipitation and strong winds to the area on January 17. Skies cleared out and winds diminished across the San Joaquin Valley from Fresno southward during the morning of January 19 which allowed for areas of dense fog to form toward daybreak. The fog dissipated by late morning.

MARIPOSA COUNTY 1.6 E ELLIOTT CORNER	RIPOSA COUNTY 1.6 E ELLIOTT CORNER [37.47, -119.74]		
	01/20/19 20:00 PST	0	Heavy Rain
	01/21/19 08:00 PST	0	Source: Trained Spotter

A trained spotter in Ponderosa Basin reported 1.03 inches of rainfall in 12 hours which mainly fell in a short period overnight. The rain changed over to snow toward sunrise and a light dusting was on the ground.

SIERRA MTNS			
	01/20/19 21:56 PST	60K	Strong Wind (MAX 43 kt)
	01/20/19 23:50 PST	0	

(CA-2035) KERN CTT MINS, (CA-2037) TOLAKE	CTT WING, (CA-2033) 3E KEKN CTT DESEKT		
	01/20/19 23:32 PST	0	High Wind (MAX 76 kt)
	01/21/19 04:27 PST	0	

A strong cold front pushed through central California during the evening of January 20 early morning of January 21 bringing a brief period of moderate to locally heavy precipitation along with strong wind gusts. Several reports of damaging winds were received during this time frame as winds downed several trees and power poles in the San Joaquin Valley where several stations measured gusts above 35 mph. There were also several reports of wind gusts exceeding 45 mph in the Kern County Mountains and Deserts and some low impact indicator sites measured gusts between 75 and 90 mph. Rainfall amounts varied in the San Joaquin Valley as some locations in the east central valley picked up between a quarter and half an inch while most of the west side of the valley was rain shadowed and did not pick up much rain. Much of the Southern Sierra Nevada picked up between a half inch to an inch and a half of liquid precipitation while several locations above 7000 feet picked up between 5 and 10 inches of beneficial snowfall. The precipitation ended by the evening of January 21 as the frontal system moved out of the area.

(CA-Z091) SW S.J. VALLEY, (CA-Z092) SE S.J. VALLEY		
01/23/19 04:05 PST	50K	Dense Fog
01/23/19 10:53 PST	0	

A large upper ridge built inland into California on January 22. This ridge remained dominant over the region for several days and resulted in a period of dry weather. However, inversion conditions prevailed in the San Joaquin Valley and with mainly clear skies and light winds dense fog became prevalent in some areas during the nighttime and morning hours. During the morning of January 23, dense fog impacted travel near Hanford and Visalia and a 5 vehicle accident took place northeast of Hanford in dense fog. The fog dissipated by late morning.

(CA-Z089) W CENTRAL S.J. VALLEY, (CA-Z090) E CENTRAL S.J. VALLEY, (CA-Z091) S	W S.J. VALLEY, (CA	-Z092) SE S.J. VALLEY
01/24/19 06:00 PST	0	Dense Fog
01/24/19 10:26 PST	0	

The fog became more widespread across the San Joaquin Valley during the morning of January 24 as the upper ridge strengthened. Several school districts in the San Joaquin Valley opened late or delayed buses as a result of the dense fog which dissipated by late morning.

(CA-Z089) W CENTRAL S.J. VALLEY, (CA-Z090) B	E CENTRAL S.J. VALLEY, (CA-Z091) SW S.J. V	VALLEY, (CA-Z092	2) SE S.J. VALLEY
	01/25/19 01:30 PST	0	Dense Fog
	01/25/19 10:00 PST	0	

The ridge strengthened even further on January 25 which allowed for dense fog to impact more of the San Joaquin Valley as the Merced area was impacted by fog that morning as well as Visalia and Hanford. Several school districts opened late or delayed school buses again. Once again the fog dissipated by late morning.

(CA-Z091) SW S.J. VALLEY, (CA-Z092) SE S.J. VALLEY

ocation	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	01/26/19 02:53 PST	injunico	0	Dense Fog
	01/26/19 10:53 PST		0	Dence i og
	t grip over the region, dense fog was c State Route 198 corridor between Visa		-	
A-Z089) W CENTRAL S.J. VALLEY	, (CA-Z090) E CENTRAL S.J. VALLEY, (CA-Z091) SW S.J.	VALLEY, (CA-Z09	92) SE S.J. VALLEY
	01/27/19 00:50 PST		0.12M	Dense Fog
	01/27/19 11:20 PST		0	
a mile for 5 to 10 hours at several	ey not long after midnight and persiste locations. There were several fog relat eral highways until the fog lifted by late	ed accidents duri		
CA-Z089) W CENTRAL S.J. VALLEY	, (CA-Z090) E CENTRAL S.J. VALLEY, (CA-Z091) SW S.J.	VALLEY, (CA-Z09	92) SE S.J. VALLEY
	01/28/19 00:10 PST		0	Dense Fog
	01/28/19 10:00 PST		0	
portion of the valley as California Hig ate or delayed or cancelled bus serv	ridespread on January 28 as it was the ghway Patrol paced traffic for a while o vice. The fog dissipated by late morning	n State Route 198 g.	and several scho	ol districts either opened
ortion of the valley as California Hig ate or delayed or cancelled bus serv	ghway Patrol paced traffic for a while o vice. The fog dissipated by late morning , (CA-Z090) E CENTRAL S.J. VALLEY, (01/29/19 02:15 PST	n State Route 198 g.	and several scho VALLEY, (CA-Z09 20K	ol districts either opened
oortion of the valley as California Hig ate or delayed or cancelled bus serv	ghway Patrol paced traffic for a while o vice. The fog dissipated by late morning , (CA-Z090) E CENTRAL S.J. VALLEY, (n State Route 198 g.	and several scho VALLEY, (CA-Z09	ol districts either opened 02) SE S.J. VALLEY
ortion of the valley as California Hig ate or delayed or cancelled bus serv CA-Z089) W CENTRAL S.J. VALLEY Clear skies allowed for dense fog to risibility below a eighth of a mile at s 'he dense fog also resulted in at lea	ghway Patrol paced traffic for a while o vice. The fog dissipated by late morning , (CA-Z090) E CENTRAL S.J. VALLEY, (01/29/19 02:15 PST 01/29/19 09:45 PST become more prevalent in the San Joa several locations and several school di st two major car accidents. Once again , (CA-Z090) E CENTRAL S.J. VALLEY, (01/30/19 01:05 PST	n State Route 198 g. CA-Z091) SW S.J. quin Valley during stricts either oper , the fog dissipate	And several school VALLEY, (CA-ZOS 20K 0 the morning of J thed late or delayed ad by late morning VALLEY, (CA-ZOS 20K	ol districts either opened 92) SE S.J. VALLEY Dense Fog anuary 29. Fog reduced d or cancelled bus service. J.
cortion of the valley as California Hig ate or delayed or cancelled bus serv CA-Z089) W CENTRAL S.J. VALLEY Clear skies allowed for dense fog to risibility below a eighth of a mile at s The dense fog also resulted in at lea	ghway Patrol paced traffic for a while o rice. The fog dissipated by late morning , (CA-Z090) E CENTRAL S.J. VALLEY, (01/29/19 02:15 PST 01/29/19 09:45 PST become more prevalent in the San Joa several locations and several school di st two major car accidents. Once again , (CA-Z090) E CENTRAL S.J. VALLEY, (01/30/19 01:05 PST 01/30/19 09:53 PST	n State Route 198 g. (CA-Z091) SW S.J. quin Valley during stricts either oper , the fog dissipate (CA-Z091) SW S.J.	and several scho VALLEY, (CA-ZOS 20K 0 g the morning of J thed late or delayed ad by late morning VALLEY, (CA-ZOS 20K 0	ol districts either opened 32) SE S.J. VALLEY Dense Fog anuary 29. Fog reduced d or cancelled bus service. J. 32) SE S.J. VALLEY Dense Fog
CA-Z089) W CENTRAL S.J. VALLEY Clear skies allowed for dense fog to risibility below a eighth of a mile at s rhe dense fog also resulted in at lea CA-Z089) W CENTRAL S.J. VALLEY For the third straight morning dense cancelling bus service as visibility w car collision west of Tulare. The fog	ghway Patrol paced traffic for a while o vice. The fog dissipated by late morning , (CA-Z090) E CENTRAL S.J. VALLEY, (01/29/19 02:15 PST 01/29/19 09:45 PST become more prevalent in the San Joa several locations and several school di st two major car accidents. Once again , (CA-Z090) E CENTRAL S.J. VALLEY, (01/30/19 01:05 PST 01/30/19 09:53 PST fog in the San Joaquin Valley resulted <i>r</i> as reduced to below an eighth of a mile	n State Route 198 g. CA-Z091) SW S.J. quin Valley during stricts either oper , the fog dissipate (CA-Z091) SW S.J. in several school e or less in severa	and several scho VALLEY, (CA-ZOS 20K 0 g the morning of J ted late or delayed and by late morning VALLEY, (CA-ZOS 20K 0 districts either op al locations. the fo	ol districts either opened 32) SE S.J. VALLEY Dense Fog anuary 29. Fog reduced d or cancelled bus service. g. 32) SE S.J. VALLEY Dense Fog bening late or delaying or g also resulted in a two
CA-Z089) W CENTRAL S.J. VALLEY Clear skies allowed for dense fog to risibility below a eighth of a mile at s The dense fog also resulted in at lea CA-Z089) W CENTRAL S.J. VALLEY For the third straight morning dense cancelling bus service as visibility w car collision west of Tulare. The fog	ghway Patrol paced traffic for a while o vice. The fog dissipated by late morning , (CA-Z090) E CENTRAL S.J. VALLEY, (01/29/19 02:15 PST 01/29/19 09:45 PST become more prevalent in the San Joa several locations and several school di st two major car accidents. Once again , (CA-Z090) E CENTRAL S.J. VALLEY, (01/30/19 01:05 PST 01/30/19 09:53 PST fog in the San Joaquin Valley resulted ras reduced to below an eighth of a mile again dissipated by late morning.	n State Route 198 g. CA-Z091) SW S.J. quin Valley during stricts either oper , the fog dissipate (CA-Z091) SW S.J. in several school e or less in severa	And several school VALLEY, (CA-ZOS 20K 0 g the morning of J ted late or delayed and by late morning VALLEY, (CA-ZOS 20K 0 districts either op 1 locations. the fo	22) SE S.J. VALLEY Dense Fog anuary 29. Fog reduced d or cancelled bus service. g. 22) SE S.J. VALLEY Dense Fog Dense Fog Dense Fog Sening late or delaying or g also resulted in a two 33.06, -119.26], 3.6 ENE PENTLAND
CA-Z089) W CENTRAL S.J. VALLEY Clear skies allowed for dense fog to isibility below a eighth of a mile at s the dense fog also resulted in at lea CA-Z089) W CENTRAL S.J. VALLEY for the third straight morning dense ancelling bus service as visibility w ar collision west of Tulare. The fog	ghway Patrol paced traffic for a while o vice. The fog dissipated by late morning , (CA-Z090) E CENTRAL S.J. VALLEY, (01/29/19 02:15 PST 01/29/19 09:45 PST become more prevalent in the San Joa several locations and several school di st two major car accidents. Once again , (CA-Z090) E CENTRAL S.J. VALLEY, (01/30/19 01:05 PST 01/30/19 09:53 PST fog in the San Joaquin Valley resulted vas reduced to below an eighth of a mile again dissipated by late morning.	n State Route 198 g. CA-Z091) SW S.J. quin Valley during stricts either oper , the fog dissipate (CA-Z091) SW S.J. in several school e or less in severa	and several scho VALLEY, (CA-ZOS 20K 0 g the morning of J ted late or delayed and by late morning VALLEY, (CA-ZOS 20K 0 districts either op al locations. the fo	ol districts either opened 32) SE S.J. VALLEY Dense Fog anuary 29. Fog reduced d or cancelled bus service. g. 32) SE S.J. VALLEY Dense Fog bening late or delaying or g also resulted in a two

A low pressure system dropped southward off the central California coast during the morning of January 31 then moved inland across southern California during the afternoon. Many stations in the western San Joaquin Valley and in the Kern County Mountains picked up between a quarter to a half inch of rainfall with a few locations picking up more. Street flooding was reported along State Route 166 near Maricopa in Kern County.