Property &

**Event Type and Details** 

Deaths &

ALIFORNIA Courth Court	امد		
CALIFORNIA, South Cent	rdi		
(CA-Z096) S SIERRA MTNS, (CA	-Z097) TULARE CTY MTNS		
	11/08/12 12:00 PST	0	Winter Storm
	11/10/12 08:00 PST	0	
TULARE COUNTY 1.2 WSW C	CTOL [36.11, -119.29], 1.1 SW OCTOL [36.11, -119.2	 28]	
	11/09/12 12:55 PST	0	Tornado (EF0, L: 0.27 mi , W: 30 yd)
	11/09/12 12:58 PST	0	Source: Broadcast Media

Here are the storm survey results of the tornado. The location was between Tulare and Tipton near the Intersection of avenue 176 and road 128. Tornado lasted for about 3 minutes and did not interact with any private property or buildings. Some branches and corn husks were strewn about. Several eyewitness accounts corroborated a video provided by local media. The tornado path included several utility poles that were not damaged.

Date/Time

The eyewitness video courtesy of KMPH Channel 26 is available on our website.

Wind speed estimate: 65 mph

Location

This was the 86th confirmed tornado in the central California Interior since 1950...and the 13th to strike Tulare county. The last Tornado in Tulare county was on January 27th 2008...when an ef0 touched down 1 mile east of Goshen junction. The most recent tornado in the central California interior occurred on march 17th 2012 when

An ef0 tornado touched down 4 miles southwest of tranquility in Fresno County.

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

11/11/12 02:00 PST 0 Frost/Freeze 11/12/12 08:00 PST 0

An upper-level ridge was over California at the start of November, creating a stable environment across the central California interior. Fresno tied its record high minimum temperature for the 2nd of 56 degrees, last set in 1941. Areas of fog developed in the central and southern San Joaquin Valley during the morning of November 3rd, but considerably less fog formed the next day.

The ridge remained over California through the 7th, then gave way to an approaching upper-level low. Light showers developed over the Tehachapi Mountains during the late morning of November 8th, as subtropical moisture moved into Kern County and collided with a cold front dropping south through the San Joaquin Valley. This set up a convergence zone over the Tehachapi Mountains that triggered the convection.

Heavy snow showers also occurred in the Southern Sierra Nevada, where up to one foot of new snow fell on November 8th. This was a significant impact to the mountain regions since quite a bit of mountain recreation was still going on at this time.

After this system moved through, As a result, the air remained moisture laden. A weak short-wave ridge moved over California during the night of November 8th-9th, but this was enough to trigger dense fog development over much of Kings County as well as southern Fresno and western Tulare Counties.

Thunderstorms developed during the afternoon of November 9th. One of these thunderstorms triggered a weak tornado (rated EF0), that touched down 4 miles north northeast of Tipton at 12:55 PM PST. No damage was reported. This was the 86th tornado to touch down in the WFO Hanford's seven-county warning/forecast area since records began in the 1950's, and was the 13th to touch down in Tulare County. Other thunderstorms dropped pea-sized hail on northern Hanford. In the Southern Sierra Nevada, several inches of snow fell above 6000 feet, and a couple of inches of snow fell on the floor of Yosemite Valley.

In the wake of this storm, an unseasonably cold airmass settled over the central California interior. Low temperatures fell below freezing across parts of the central and southern San Joaquin Valley on the morning of November 11th and 12th, and the Kern County deserts had their first hard freeze of the season.

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Date/Time **Event Type and Details** Location Deaths & Property & Injuries **Crop Dmg** 



Small short lived tornado south of Tulare on November 9, 2012. Image courtesy KMPH TV.

(CA-Z096) S SIERRA MTNS				
	11/16/12 10:00 PST	0	Winter Storm	
	11/18/12 10:00 PST	0		
(CA-Z097) TULARE CTY MTNS				
	11/16/12 10:00 PST	0	Winter Weather	
	11/18/12 10:00 PST	0		
	N [36.93, -120.03], 0.9 SSE BORDEN [36.92, -12	20.03], 1.5 ESE BORDE	N [36.92, -120.01], 0.8 ENE BORDEN [36.93,	
120.02]	11/17/12 16:50 PST	0	Flood (due to Heavy Rain)	
	11/17/12 17:50 PST	0	Source: Law Enforcement	
	6.99, -119.65], 3.9 E FRIANT [36.98, -119.65], 4.	7 SW MARSHALL STA	TION [36.98, -119.64], 4.1 SW MARSHALL	
STATION [36.99, -119.63]	44/47/40 40 00 POT	_	Flood (due to House Bein)	

11/17/12 19:06 PST Flood (due to Heavy Rain) 11/17/12 19:45 PST 0 Source: Law Enforcement

An upper-level low drew subtropical moisture over the southern half of California beginning November 15th. This warm, moist airmass kept overnight low several degrees above normal. The low at Fresno on the 16th was 58 degrees, tying the record high minimum temperature for the date, last set in 1965. The low at Fresno the next day also was 58 degrees. This broke the record high minimum temperature for November 17th by one degree. The old record had also been set in 1965.

Showers developed over the region on November 17th, as well as a few thunderstorms. One thunderstorm that formed over Madera County lasted for almost three hours as it slowly moved northeast across the county and into the Sierra Nevada foothills. Another thunderstorm dropped heavy rain on Merced County. In the Southern Sierra Nevada, snowfall amounts generally were less than 6 inches, although a couple of sites near the crest reported storm totals around a foot. The cold front that triggered these storms weakened rapidly southward, but sporadic light showers continued across the central California interior into the morning of November

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	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
8th.				
CA-Z089) W CENTRAL S.J. VALLEY, (C.	A-Z090) E CENTRAL S.J. VALLEY, (	CA-Z091) SW S.J	VALLEY, (CA-Z0	92) SE S.J. VALLEY
	11/23/12 00:00 PST		0.30M	Dense Fog
	11/27/12 10:00 PST		0	
Nweak upper-level disturbance brushed listurbance brought 0.21 inch of rain to Southern Sierra Nevada foothills near M Merced Regional Airport did report a tra	Yosemite Valley, with only around a lariposa and Oakhurst. On the San	a hundredth as fa Joaquin Valley flo	r south as Shaver or, no measurable	Lake and into the rain was reported. The
Despite the lack of rainfall from the storn the morning of the 22nd. Initially the fog of fog developed in the Reedley-Visalia came time, clouds banked up over the secuth Valley highs in the lower to mid 6	g formed in the Los Banos area, but area, and then spread northward an couth end of the San Joaquin Valley.	this patch of fog d westward, linge . The combination	eroded from the n ering through muc of low clouds an	orth. Later, a larger patch h of the morning. At the d fog kept central and
Dense fog redeveloped in the central an Highway 99 corridor. This narrow band o o a couple of miles. The fog became mo	of fog drifted over the Valley floor, o	causing visibilities	at most airports	to fluctuate from near zero
The 24th saw fog develop later in the nig ocations; the fog had completely dissip		asted through day	ybreak, then bega	n to lift by 8 AM in some
Nidespread dense fog continued throug contributed to a chain reaction crash in on Highway 152 about two miles south o	volving two big rigs and one vehicle	=	=	_
CA-Z089) W CENTRAL S.J. VALLEY, (C	A-Z091) SW S.J. VALLEY			
	11/28/12 00:00 PST		10K	Strong Wind (MAX 43 kt)
	11/28/12 14:00 PST		0	
MARIROGA COUNTY 4.0 FOE NORTH	WAWONA 197 54 440 693			
MARIPOSA COUNTY 1.3 ESE NORTH			0	Heavy Rain
MARIPOSA COUNTY 1.3 ESE NORTH	1 WAWONA [37.54, -119.63] 11/30/12 11:51 PST 11/30/12 11:51 PST		0	Heavy Rain Source: Mesonet
	11/30/12 11:51 PST 11/30/12 11:51 PST			•
Twenty four hour rainfall total at Wawona	11/30/12 11:51 PST 11/30/12 11:51 PST was 3.06 inches.			•
Twenty four hour rainfall total at Wawona	11/30/12 11:51 PST 11/30/12 11:51 PST was 3.06 inches.		0	Source: Mesonet
Twenty four hour rainfall total at Wawona	11/30/12 11:51 PST 11/30/12 11:51 PST was 3.06 inches. MITE VLG [37.74, -119.60] 11/30/12 12:00 PST			Source: Mesonet  Heavy Rain
Twenty four hour rainfall total at Wawona  MARIPOSA COUNTY 1.3 WSW YOSEI	11/30/12 11:51 PST 11/30/12 11:51 PST was 3.06 inches. MITE VLG [37.74, -119.60] 11/30/12 12:00 PST 11/30/12 12:00 PST	5.	0	Source: Mesonet
Twenty four hour rainfall total at Wawona  MARIPOSA COUNTY 1.3 WSW YOSEI  Twenty four hour rainfall total at Happy Isl	11/30/12 11:51 PST 11/30/12 11:51 PST was 3.06 inches. MITE VLG [37.74, -119.60] 11/30/12 12:00 PST 11/30/12 12:00 PST		0 0 0	Source: Mesonet  Heavy Rain Source: Mesonet
Twenty four hour rainfall total at Wawona  MARIPOSA COUNTY 1.3 WSW YOSEI  Twenty four hour rainfall total at Happy Isl  MERCED COUNTY 2.1 SE ARENA [37	11/30/12 11:51 PST 11/30/12 11:51 PST was 3.06 inches. MITE VLG [37.74, -119.60] 11/30/12 12:00 PST 11/30/12 12:00 PST		0 0 0	Source: Mesonet  Heavy Rain Source: Mesonet
Twenty four hour rainfall total at Wawona  MARIPOSA COUNTY 1.3 WSW YOSEI  Twenty four hour rainfall total at Happy Isl  MERCED COUNTY 2.1 SE ARENA [37	11/30/12 11:51 PST 11/30/12 11:51 PST was 3.06 inches. MITE VLG [37.74, -119.60] 11/30/12 12:00 PST 11/30/12 12:00 PST les in Yosemite Park was 2.59 inches		0 0 0 20.62], 1.0 NW FE	Heavy Rain Source: Mesonet  RGUS [37.34, -120.56], 1.2 NW Flood (due to Heavy Rain)
Twenty four hour rainfall total at Wawona  MARIPOSA COUNTY 1.3 WSW YOSEI  Twenty four hour rainfall total at Happy Isl  MERCED COUNTY 2.1 SE ARENA [37	11/30/12 11:51 PST 11/30/12 11:51 PST was 3.06 inches. MITE VLG [37.74, -119.60] 11/30/12 12:00 PST 11/30/12 12:00 PST les in Yosemite Park was 2.59 inches		0 0 0 20.62], 1.0 NW FE	Source: Mesonet  Heavy Rain Source: Mesonet
Twenty four hour rainfall total at Wawona  MARIPOSA COUNTY 1.3 WSW YOSEI  Twenty four hour rainfall total at Happy Isl  MERCED COUNTY 2.1 SE ARENA [37  ATWATER [37.36, -120.62]  California highway patrol reported a multi-	11/30/12 11:51 PST 11/30/12 11:51 PST was 3.06 inches. MITE VLG [37.74, -119.60] 11/30/12 12:00 PST 11/30/12 12:00 PST les in Yosemite Park was 2.59 inches 7.35, -120.64], 1.7 SW ATWATER MUI 11/30/12 12:46 PST 11/30/12 13:46 PST	NI ARPT [37.31, -1	0 0 0 <b>20.62], 1.0 NW FE</b> 0.12M 0	Heavy Rain Source: Mesonet  RGUS [37.34, -120.56], 1.2 NW  Flood (due to Heavy Rain) Source: Law Enforcement
Twenty four hour rainfall total at Wawona  MARIPOSA COUNTY 1.3 WSW YOSEI  Twenty four hour rainfall total at Happy Isl  MERCED COUNTY 2.1 SE ARENA [37  ATWATER [37.36, -120.62]  California highway patrol reported a multinipuries unknown at this time.	11/30/12 11:51 PST 11/30/12 11:51 PST 11/30/12 11:51 PST was 3.06 inches.  MITE VLG [37.74, -119.60] 11/30/12 12:00 PST 11/30/12 12:00 PST les in Yosemite Park was 2.59 inches 7.35, -120.64], 1.7 SW ATWATER MUI 11/30/12 12:46 PST 11/30/12 13:46 PST -vehicle accident in heavy rain on high	NI ARPT [37.31, -1	0 0 0 20.62], 1.0 NW FE 0.12M 0 de boulevard. Invo	Heavy Rain Source: Mesonet  RGUS [37.34, -120.56], 1.2 NW  Flood (due to Heavy Rain) Source: Law Enforcement
Twenty four hour rainfall total at Wawona  MARIPOSA COUNTY 1.3 WSW YOSEI  Twenty four hour rainfall total at Happy Isl  MERCED COUNTY 2.1 SE ARENA [37  ATWATER [37.36, -120.62]  California highway patrol reported a multi- injuries unknown at this time.	11/30/12 11:51 PST 11/30/12 11:51 PST 11/30/12 11:51 PST was 3.06 inches.  MITE VLG [37.74, -119.60] 11/30/12 12:00 PST 11/30/12 12:00 PST les in Yosemite Park was 2.59 inches 7.35, -120.64], 1.7 SW ATWATER MUI 11/30/12 12:46 PST 11/30/12 13:46 PSTvehicle accident in heavy rain on high	NI ARPT [37.31, -1	0 0 0 20.62], 1.0 NW FE 0.12M 0 de boulevard. Invo	Heavy Rain Source: Mesonet  RGUS [37.34, -120.56], 1.2 NW  Flood (due to Heavy Rain) Source: Law Enforcement  Bloed 3 cars and a big rig. Number of
Twenty four hour rainfall total at Wawona  MARIPOSA COUNTY 1.3 WSW YOSEI  Twenty four hour rainfall total at Happy Isl  MERCED COUNTY 2.1 SE ARENA [37  ATWATER [37.36, -120.62]  California highway patrol reported a multinjuries unknown at this time.  FRESNO COUNTY 4.4 W SILVER CRE	11/30/12 11:51 PST 11/30/12 11:51 PST 11/30/12 11:51 PST was 3.06 inches.  MITE VLG [37.74, -119.60] 11/30/12 12:00 PST 11/30/12 12:00 PST les in Yosemite Park was 2.59 inches 7.35, -120.64], 1.7 SW ATWATER MUI 11/30/12 12:46 PST 11/30/12 13:46 PST -vehicle accident in heavy rain on high	NI ARPT [37.31, -1	0 0 0 20.62], 1.0 NW FE 0.12M 0 de boulevard. Invo	Heavy Rain Source: Mesonet  RGUS [37.34, -120.56], 1.2 NW  Flood (due to Heavy Rain) Source: Law Enforcement
Twenty four hour rainfall total at Wawona  MARIPOSA COUNTY 1.3 WSW YOSEI  Twenty four hour rainfall total at Happy Isl  MERCED COUNTY 2.1 SE ARENA [37  ATWATER [37.36, -120.62]  California highway patrol reported a multinjuries unknown at this time.  FRESNO COUNTY 4.4 W SILVER CRE	11/30/12 11:51 PST 11/30/12 11:51 PST 11/30/12 11:51 PST was 3.06 inches.  MITE VLG [37.74, -119.60] 11/30/12 12:00 PST 11/30/12 12:00 PST les in Yosemite Park was 2.59 inches 7.35, -120.64], 1.7 SW ATWATER MUI 11/30/12 12:46 PST 11/30/12 13:46 PST -vehicle accident in heavy rain on high	NI ARPT [37.31, -1	0 0 0 20.62], 1.0 NW FE 0.12M 0 de boulevard. Invo	Heavy Rain Source: Mesonet  RGUS [37.34, -120.56], 1.2 NW  Flood (due to Heavy Rain) Source: Law Enforcement  Bloed 3 cars and a big rig. Number of
Twenty four hour rainfall total at Wawona  MARIPOSA COUNTY 1.3 WSW YOSEI  Twenty four hour rainfall total at Happy Isl  MERCED COUNTY 2.1 SE ARENA [37  ATWATER [37.36, -120.62]  California highway patrol reported a multinjuries unknown at this time.  FRESNO COUNTY 4.4 W SILVER CRE	11/30/12 11:51 PST 11/30/12 11:51 PST 11/30/12 11:51 PST was 3.06 inches.  MITE VLG [37.74, -119.60] 11/30/12 12:00 PST 11/30/12 12:00 PST les in Yosemite Park was 2.59 inches  7.35, -120.64], 1.7 SW ATWATER MUI 11/30/12 12:46 PST 11/30/12 13:46 PSTvehicle accident in heavy rain on high EEK [36.73, -120.48] 11/30/12 13:27 PST 11/30/12 13:27 PST was 0.86 inches.	NI ARPT [37.31, -1	0 0 0 120.62], 1.0 NW FE 0.12M 0 de boulevard. Invo	Heavy Rain Source: Mesonet  RGUS [37.34, -120.56], 1.2 NW  Flood (due to Heavy Rain) Source: Law Enforcement  lived 3 cars and a big rig. Number of  Heavy Rain Source: Mesonet
MARIPOSA COUNTY 1.3 ESE NORTH Twenty four hour rainfall total at Wawona MARIPOSA COUNTY 1.3 WSW YOSEI Twenty four hour rainfall total at Happy Isl MERCED COUNTY 2.1 SE ARENA [37 ATWATER [37.36, -120.62]  California highway patrol reported a multi- injuries unknown at this time.  FRESNO COUNTY 4.4 W SILVER CRE Twenty four hour rainfall total at Mendota MARIPOSA COUNTY 1.3 ESE NORTH	11/30/12 11:51 PST 11/30/12 11:51 PST 11/30/12 11:51 PST  was 3.06 inches.  MITE VLG [37.74, -119.60] 11/30/12 12:00 PST 11/30/12 12:00 PST  les in Yosemite Park was 2.59 inches  7.35, -120.64], 1.7 SW ATWATER MUI 11/30/12 12:46 PST 11/30/12 13:46 PST -vehicle accident in heavy rain on high EEK [36.73, -120.48] 11/30/12 13:27 PST 11/30/12 13:27 PST 11/30/12 13:27 PST was 0.86 inches.	NI ARPT [37.31, -1	0 0 0 20.62], 1.0 NW FE 0.12M 0 de boulevard. Invo	Heavy Rain Source: Mesonet  RGUS [37.34, -120.56], 1.2 NW  Flood (due to Heavy Rain) Source: Law Enforcement  Bloed 3 cars and a big rig. Number of

Twenty four hour rainfall total at Wawona was 3.98 inches.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	[36.84, -119.87], 1.0 N FIGARDEN [36	.83, -119.87], 1.1 N	NE FIGARDEN [3	5.83, -119.86], 1.5 NNE FIGARDEN [36.84,
-119.86]	11/30/12 14:00 PST		0	Flood (due to Heavy Rain)
	11/30/12 15:00 PST		0	Source: NWS Employee
treet flooding was reported at Brawley	and Herndon on Fresno's north side.			
MARIPOSA COUNTY 1.5 NNW MAR	IPOSA [37.50, -119.98], 2.1 SE MARIP	OSA AIRPORT [3]	7.50, -120.00], 0.4 \	VNW MARIPOSA [37.48, -119.98], 1.4
N MORMON BAR [37.49, -119.95]	11/30/12 15:07 PST		25K	Flood (due to Heavy Rain)
	11/30/12 17:07 PST		0	Source: Law Enforcement
he Highway Patrol had to close Highw	ay 49 due to flooding.			
MADERA COUNTY 6.7 ENE TRIGO	[36.94, -119.83], 7.3 WSW INDIAN SPO	SS [36.99, -119.84]	, 3.9 SSW INDIAN	SPGS [37.00, -119.75], 7.6 S INDIAN
SPGS [36.94, -119.75]	44/20/40 45:00 DOT		OFIX	Flood (due to House Pairs)
	11/30/12 15:09 PST		25K	Flood (due to Heavy Rain)
	11/30/12 17:09 PST		0	Source: Law Enforcement
The Highway Patrol reported flooding a	nd road closure of Highway 41 at Aven	ue 15.		
IARIPOSA COUNTY 1.5 NNW DAR			•	Harris Bair
	11/30/12 15:47 PST 11/30/12 15:47 PST		0	Heavy Rain Source: Mesonet
wenty four hour rainfall total at Maripos	11/30/12 15:47 PST 11/30/12 15:47 PST sa was 3.61 inches.			•
wenty four hour rainfall total at Maripos	11/30/12 15:47 PST 11/30/12 15:47 PST sa was 3.61 inches.		0	Source: Mesonet
Twenty four hour rainfall total at Maripos  WARIPOSA COUNTY 1.3 ESE NORT	11/30/12 15:47 PST 11/30/12 15:47 PST sa was 3.61 inches. TH WAWONA [37.54, -119.63] 11/30/12 15:51 PST 11/30/12 15:51 PST		0	Source: Mesonet  Heavy Rain
Twenty four hour rainfall total at Maripos  MARIPOSA COUNTY 1.3 ESE NORT  Twenty four hour rainfall total at Wawon	11/30/12 15:47 PST 11/30/12 15:47 PST sa was 3.61 inches. TH WAWONA [37.54, -119.63] 11/30/12 15:51 PST 11/30/12 15:51 PST was 4.56 inches.	E ELLIOTT CORN	0 0 0	Source: Mesonet  Heavy Rain
MARIPOSA COUNTY 1.5 NNW DAR  Twenty four hour rainfall total at Maripos  MARIPOSA COUNTY 1.3 ESE NORT  Twenty four hour rainfall total at Wawon  MARIPOSA COUNTY 1.3 ENE ELLIC  4.9 SE FISH CAMP [37.43, -119.57]	11/30/12 15:47 PST 11/30/12 15:47 PST sa was 3.61 inches. TH WAWONA [37.54, -119.63] 11/30/12 15:51 PST 11/30/12 15:51 PST a was 4.56 inches.	E ELLIOTT CORN	0 0 0	Source: Mesonet  Heavy Rain Source: Mesonet
Twenty four hour rainfall total at Maripos  MARIPOSA COUNTY 1.3 ESE NORT  Twenty four hour rainfall total at Wawon  MARIPOSA COUNTY 1.3 ENE ELLIC	11/30/12 15:47 PST 11/30/12 15:47 PST sa was 3.61 inches. TH WAWONA [37.54, -119.63] 11/30/12 15:51 PST 11/30/12 15:51 PST a was 4.56 inches. DTT CORNER [37.48, -119.75], 16.1 SS	E ELLIOTT CORN	0 0 0 ER [37.25, -119.68	Source: Mesonet  Heavy Rain Source: Mesonet  J. 8.7 SSE FISH CAMP [37.37, -119.56], Flood (due to Heavy Rain)
Twenty four hour rainfall total at Maripos  MARIPOSA COUNTY 1.3 ESE NORT  Twenty four hour rainfall total at Wawon  MARIPOSA COUNTY 1.3 ENE ELLIC	11/30/12 15:47 PST 11/30/12 15:47 PST sa was 3.61 inches. TH WAWONA [37.54, -119.63] 11/30/12 15:51 PST 11/30/12 15:51 PST a was 4.56 inches. DTT CORNER [37.48, -119.75], 16.1 SS 11/30/12 16:00 PST 11/30/12 18:00 PST	E ELLIOTT CORN	0 0 0	Source: Mesonet  Heavy Rain Source: Mesonet
Twenty four hour rainfall total at Maripos  MARIPOSA COUNTY 1.3 ESE NORT  Twenty four hour rainfall total at Wawon  MARIPOSA COUNTY 1.3 ENE ELLIC  4.9 SE FISH CAMP [37.43, -119.57]  A trained weather spotter reported street	11/30/12 15:47 PST 11/30/12 15:47 PST sa was 3.61 inches.  TH WAWONA [37.54, -119.63] 11/30/12 15:51 PST 11/30/12 15:51 PST a was 4.56 inches.  DTT CORNER [37.48, -119.75], 16.1 SS 11/30/12 16:00 PST 11/30/12 18:00 PST et flooding that backed up into a home.	E ELLIOTT CORN	0 0 0 ER [37.25, -119.68	Source: Mesonet  Heavy Rain Source: Mesonet  J. 8.7 SSE FISH CAMP [37.37, -119.56], Flood (due to Heavy Rain)
Twenty four hour rainfall total at Maripos  MARIPOSA COUNTY 1.3 ESE NORT  Twenty four hour rainfall total at Wawon  MARIPOSA COUNTY 1.3 ENE ELLIC  4.9 SE FISH CAMP [37.43, -119.57]  A trained weather spotter reported street	11/30/12 15:47 PST 11/30/12 15:47 PST sa was 3.61 inches.  TH WAWONA [37.54, -119.63] 11/30/12 15:51 PST 11/30/12 15:51 PST a was 4.56 inches.  DTT CORNER [37.48, -119.75], 16.1 SS 11/30/12 16:00 PST 11/30/12 18:00 PST et flooding that backed up into a home.	E ELLIOTT CORN	0 0 0 ER [37.25, -119.68	Heavy Rain Source: Mesonet  J. 8.7 SSE FISH CAMP [37.37, -119.56], Flood (due to Heavy Rain) Source: Trained Spotter
Twenty four hour rainfall total at Maripos  MARIPOSA COUNTY 1.3 ESE NORT  Twenty four hour rainfall total at Wawon  MARIPOSA COUNTY 1.3 ENE ELLIC  3.9 SE FISH CAMP [37.43, -119.57]  A trained weather spotter reported street	11/30/12 15:47 PST 11/30/12 15:47 PST sa was 3.61 inches.  TH WAWONA [37.54, -119.63] 11/30/12 15:51 PST 11/30/12 15:51 PST a was 4.56 inches.  DTT CORNER [37.48, -119.75], 16.1 SS 11/30/12 16:00 PST 11/30/12 18:00 PST 21 flooding that backed up into a home.	E ELLIOTT CORN	0 0 0 ER [37.25, -119.68 25K 0	Source: Mesonet  Heavy Rain Source: Mesonet  J. 8.7 SSE FISH CAMP [37.37, -119.56], Flood (due to Heavy Rain)
Twenty four hour rainfall total at Maripos  MARIPOSA COUNTY 1.3 ESE NORT  Twenty four hour rainfall total at Wawon  MARIPOSA COUNTY 1.3 ENE ELLIC  8.9 SE FISH CAMP [37.43, -119.57]  A trained weather spotter reported stree	11/30/12 15:47 PST 11/30/12 15:47 PST 11/30/12 15:47 PST sa was 3.61 inches.  TH WAWONA [37.54, -119.63] 11/30/12 15:51 PST 11/30/12 15:51 PST a was 4.56 inches.  DTT CORNER [37.48, -119.75], 16.1 SS 11/30/12 16:00 PST 11/30/12 18:00 PST et flooding that backed up into a home.  EN FLATS [37.76, -119.82] 11/30/12 16:14 PST 11/30/12 16:14 PST	E ELLIOTT CORN	0 0 0 0 ER [37.25, -119.68 25K 0	Heavy Rain Source: Mesonet  J. 8.7 SSE FISH CAMP [37.37, -119.56], Flood (due to Heavy Rain) Source: Trained Spotter  Heavy Rain
Twenty four hour rainfall total at Maripos  MARIPOSA COUNTY 1.3 ESE NORT  Twenty four hour rainfall total at Wawon  MARIPOSA COUNTY 1.3 ENE ELLIC  1.9 SE FISH CAMP [37.43, -119.57]  A trained weather spotter reported stree  TUOLUMNE COUNTY 7.3 SE HARD  Twenty four hour rainfall total at Tuolum	11/30/12 15:47 PST 11/30/12 15:47 PST 5a was 3.61 inches.  TH WAWONA [37.54, -119.63] 11/30/12 15:51 PST 11/30/12 15:51 PST 5a was 4.56 inches.  DTT CORNER [37.48, -119.75], 16.1 SS 11/30/12 16:00 PST 11/30/12 18:00 PST 21/30/12 18:00 PST 21/30/12 16:14 PST 11/30/12 16:14 PST 11/30/12 16:14 PST 11/30/12 16:14 PST 21/30/12 16:14 PST		0 0 0 0 ER [37.25, -119.68 25K 0	Heavy Rain Source: Mesonet  J. 8.7 SSE FISH CAMP [37.37, -119.56], Flood (due to Heavy Rain) Source: Trained Spotter  Heavy Rain Source: Mesonet
Twenty four hour rainfall total at Maripos  MARIPOSA COUNTY 1.3 ESE NORT  Twenty four hour rainfall total at Wawon  MARIPOSA COUNTY 1.3 ENE ELLIC  4.9 SE FISH CAMP [37.43, -119.57]	11/30/12 15:47 PST 11/30/12 15:47 PST 5a was 3.61 inches.  TH WAWONA [37.54, -119.63] 11/30/12 15:51 PST 11/30/12 15:51 PST 5a was 4.56 inches.  DTT CORNER [37.48, -119.75], 16.1 SS 11/30/12 16:00 PST 11/30/12 18:00 PST 21/30/12 18:00 PST 21/30/12 16:14 PST 11/30/12 16:14 PST 11/30/12 16:14 PST 11/30/12 16:14 PST 21/30/12 16:14 PST		0 0 0 0 ER [37.25, -119.68 25K 0	Heavy Rain Source: Mesonet  J. 8.7 SSE FISH CAMP [37.37, -119.56], Flood (due to Heavy Rain) Source: Trained Spotter  Heavy Rain Source: Mesonet

The stable weather pattern continued through November 27th. The first in a series of east-Pacific storms approached the northern part of the central California interior that evening. These storms tapped into a long fetch of subtropical moisture, with resulting high snow levels through the first day of December.

While the first storm brought between a tenth and a quarter inch of rain to much of the central and southern San Joaquin Valley—north of Bakersfield—it was the second storm that brought significant rainfall to the central California interior. Fresno had a record rainfall on November 30th of 0.62 inch; the old record was 0.50 inch, set in 1982. In the Southern Sierra Nevada, new snowfall amounts ranged from 8 to 18 inches above the 9,000 foot level. The Sierra foothills saw heavy rain, with amounts around 4 inches in some spots. As a result of

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Location Date/Time Deaths & Property & Event Type and Details

Injuries Crop Dmg

the heavy rainfall, some rock and mud slides occurred as the heavy rains weakened the soil. There were also several reports of flooded roads in Merced, Mariposa, Madera, and Fresno Counties.

Bakersfield and the far south end of the San Joaquin Valley remain rain shadowed. Meadows Field recorded only 0.02 inch of rain from each of the first two storm, as the storm track stayed mainly north of Kern County.

The combination of clouds and the warm subtropical airmass also kept low temperatures unseasonably warm. Both Bakersfield and Fresno set record high minimum temperatures on the last day of the month. Both cities had above-normal average temperatures, an Fresno had its sixth warmest November on record. This was also the fourth consecutive month that Fresno ranked in the top 10 warmest months. August and September 2012 were the warmest months, respectively, on record, and October 2012 was the eighth warmest October on record. Temperature records for Fresno began on August 16th, 1887.

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