

Storm Data and Unusual Weather Phenomena - March 2018

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

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

03/01/18 04:00 PST	0	Heavy Snow
03/03/18 16:00 PST	0	

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

03/01/18 08:00 PST	0	Heavy Rain
03/02/18 08:00 PST	0	Source: Trained Spotter

A trained spotted measured 3.41 inches of liquid precipitation near Lush Meadows. 1.5 inches of new snow was measured after the precipitation changed from rain to snow.

MARIPOSA COUNTY --- 0.0 WSW BEAR VLY [37.57, -120.12], 0.1 S BEAR VLY [37.57, -120.12], 0.1 SE BEAR VLY [37.57, -120.12], 0.0 E BEAR VLY [37.57, -120.12]

03/01/18 21:45 PST	0	Flood (due to Heavy Rain / Burn Area)
03/01/18 22:45 PST	0	Source: Law Enforcement

California Highway Patrol reported a road closure at State Route 49 and Bear Valley Road as a result of mud, rock and dirt covering the intersection.

MARIPOSA COUNTY --- 12.0 NNW CATHEYS VLY [37.59, -120.18], 3.5 WSW BAGBY [37.59, -120.18], 3.5 WSW BAGBY [37.59, -120.18], 3.5 SW BAGBY [37.59, -120.18]

03/02/18 19:09 PST	0	Debris Flow
03/02/18 20:09 PST	0	Source: Law Enforcement

California Highway Patrol reported all lanes on a portion of Hunters Valley Road 12NNW Catheys Valley were blocked due to a mudslide.

TULARE COUNTY --- 3.6 WSW (VIS)VISALIA ARPT [36.30, -119.46]

03/03/18 15:40 PST	0	Funnel Cloud
03/03/18 15:45 PST	0	Source: Public

A funnel cloud was observed by several public observers near Goshen. The duration of the funnel was 5 minutes.

A large cold upper low pressure area dropped southeast from the Gulf of Alaska to off the Pacific Northwest coast by the morning of March 1. Several bands of precipitation associated with this system pushed through Central California between the morning of March 1 and the afternoon of March 3. Significant rainfall impacted much of the area during this time frame with several reporting stations in the Southern Sierra Nevada from Fresno County northward picking up more than 2 inches of rainfall with a few locations picking up more than 5 inches of rain. Between 2 and 4 feet of snow fell over the higher elevations of the Southern Sierra Nevada from Fresno County northward during this 60 hour period while some light snowfall fell over the Kern County Mountains and Southern Sierra Foothills on March 3 as the snow level lowered to around 3000 feet.

(CA-Z090) E CENTRAL S.J. VALLEY, (CA-Z091) SW S.J. VALLEY, (CA-Z092) SE S.J. VALLEY

03/11/18 06:35 PST	0	Dense Fog
03/11/18 09:56 PST	0	

A low pressure system moved through Southern California on March 10. This system spread precipitation northward into Central California during the afternoon and evening hours and brought half to three quarters of an inch of rainfall to much of the Tehachapi Mountains and a quarter to half of an inch of rainfall to the Kern County Deserts and the south end of the San Joaquin Valley. Areas further north picked up between a tenth to a quarter of an inch of precipitation with light snow accumulations in the southern Sierra Nevada above 8000 feet. Skies then cleared out by the morning of March 11, and areas of dense fog formed over the San Joaquin Valley with several stations reporting visibility below a quarter mile by sunrise. The fog burned off between 830 and 1000 am.

MARIPOSA COUNTY --- 13.0 NW MARIPOSA [37.61, -120.14], 0.7 SW BAGBY [37.61, -120.14], 0.9 SSW BAGBY [37.61, -120.14], 0.8 SSW BAGBY [37.61, -120.13]

03/13/18 02:15 PST	0	Debris Flow
03/13/18 02:45 PST	0	Source: Law Enforcement

California Highway Patrol reported a mudslide caused a partial closure of State Highway 49 near Bagby.

TULARE COUNTY --- 1.4 ENE SPRINGVILLE [36.14, -118.80], 1.4 ENE SPRINGVILLE [36.14, -118.80], 1.6 ENE SPRINGVILLE [36.14, -118.79], 1.5 ENE SPRINGVILLE [36.14, -118.80]

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	03/13/18 17:06 PST		0	Flood (due to Heavy Rain / Burn Area)
	03/13/18 18:36 PST		0	Source: Law Enforcement

California Highway Patrol reported Flash Flooding and a mudslide on State Route 190 east of Springville at the Powerhouse Bridge. About 3 feet of water covered the bridge.

TULARE COUNTY --- 3.6 ESE EAST POTERVILLE [36.05, -118.94], 3.8 ESE EAST POTERVILLE [36.05, -118.94], 3.8 ESE EAST POTERVILLE [36.05, -118.94], 3.7 ESE EAST POTERVILLE [36.05, -118.94]

	03/13/18 17:15 PST		0	Flood (due to Heavy Rain / Burn Area)
	03/13/18 18:45 PST		0	Source: Broadcast Media

Media report of a mudslide near the intersection of Road 284 and Worth Dr.

MARIPOSA COUNTY --- 0.8 SW FISH CAMP [37.47, -119.64]

	03/13/18 23:14 PST		0	Heavy Rain
	03/14/18 00:14 PST		0	Source: Law Enforcement

California Highway Patrol reported State Highway 41 was closed due to rocks blocking the road. Fish Camp measured 1.65 inches of rain on March 13.

KERN COUNTY --- 5.6 S LAKEVIEW [35.02, -119.11]

	03/14/18 13:40 PST		0	Funnel Cloud
	03/14/18 13:45 PST		0	Source: Broadcast Media

Media report of a funnel cloud at Wind Wolves Reserve.

KERN COUNTY --- 3.1 SW DEMOCRAT SPGS [35.49, -118.70]

	03/14/18 21:29 PST		0	Heavy Rain
	03/14/18 23:29 PST		0	Source: Law Enforcement

California Highway Patrol reported boulders blocking the east bound portion of State Route 178.

An upper low pressure system strengthened off the Pacific Northwest coast on March 12. This system spread moisture into Central California on March 13 and 14 as a deep upper trough slowly pushed east across the region. Scattered thunderstorms developed during the afternoon of March 13, and one strong thunderstorm which developed in the Southern Sierra Foothills in Tulare County produced heavy rainfall which resulted in Flash Flooding and mudslides near the Pier Fire burn scar near Springville. Mudslides were also reported near the Detwiler Fire burn scar near Mariposa. Several locations in the southern Sierra Nevada measure between an inch to two inches of rainfall. Several inches of new snow fell over the higher elevations of the Southern Sierra Nevada and Tehachapi Mountains with the snow level lowering to 5000 feet on the 14th.

(CA-Z096) S SIERRA MTNS

	03/16/18 01:00 PST		0	Heavy Snow
	03/17/18 13:00 PST		0	

After a brief break between systems on March 15, another low pressure system brought widespread precipitation to the area on March 16 and 17. The most significant precipitation was in Mariposa County and in the Yosemite Park area where several reporting stations measured over an inch of rainfall. One to two feet of new snow fell above 6000 feet in Yosemite Park. Several other reporting stations in the area picked up between a quarter and half an inch of rainfall. Thunderstorms developed during the afternoon hours of March 16 and 17, with brief periods of heavy rainfall and small hail being the main impacts.

(CA-Z096) S SIERRA MTNS

	03/20/18 19:00 PST		0	Heavy Snow
	03/23/18 07:00 PST		0	

FRESNO COUNTY --- 0.6 NE LAKESHORE [37.25, -119.16], 0.6 NE LAKESHORE [37.26, -119.16], 0.6 NE LAKESHORE [37.26, -119.16], 0.6 NE LAKESHORE [37.26, -119.16]

	03/21/18 05:05 PST		0	Flood (due to Heavy Rain)
	03/21/18 05:05 PST		0	Source: Law Enforcement

California Highway Patrol reported a rock slide covering half of the roadway on State Route 168 at Huntington Lake Rd.

FRESNO COUNTY --- 1.7 SSW ALDER SPGS [37.05, -119.43], 1.8 SSW ALDER SPGS [37.05, -119.43], 1.6 SSW ALDER SPGS [37.05, -119.43], 1.6 SSW ALDER SPGS [37.05, -119.43]

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	03/21/18 11:18 PST		0	Flood (due to Heavy Rain)
	03/21/18 11:18 PST		0	Source: Law Enforcement

California Highway Patrol reported rocks fallen onto the roadway at the middle of a 4 lane section of State Route 168 below Shaver Lake.

FRESNO COUNTY --- 3.5 ENE DUNLAP [36.75, -119.06], 3.4 ENE DUNLAP [36.75, -119.06], 3.3 ENE DUNLAP [36.75, -119.06], 3.4 ENE DUNLAP [36.75, -119.06]

	03/21/18 11:59 PST		0	Flood (due to Heavy Rain)
	03/21/18 11:59 PST		0	Source: Law Enforcement

California Highway Patrol reported debris covering one lane on the westbound side of State Route 180 and partially the other lanes at Snow Line Lodge near Dunlap.

KERN COUNTY --- 0.6 ENE RIBIER [35.25, -118.86], 1.3 NNE RIBIER [35.27, -118.86], 1.2 NNE RIBIER [35.27, -118.86], 0.5 ENE RIBIER [35.25, -118.86]

	03/21/18 12:01 PST		0	Flood (due to Heavy Rain)
	03/21/18 12:01 PST		0	Source: Law Enforcement

California Highway Patrol reported closure of Malaga Rd. between Digorgio Rd. and Panama Rd. due to roadway flooding.

KERN COUNTY --- 0.6 E ALTA SIERRA [35.73, -118.54], 0.5 E ALTA SIERRA [35.73, -118.54], 0.5 E ALTA SIERRA [35.73, -118.54], 0.6 E ALTA SIERRA [35.73, -118.54]

	03/21/18 14:07 PST		0	Flood (due to Heavy Rain)
	03/21/18 14:07 PST		0	Source: Law Enforcement

California Highway Patrol reported two boulders in the roadway of State Route 155 near Alta Sierra Rd. with heavy rainfall in the area.

MARIPOSA COUNTY --- 0.7 SW FISH CAMP [37.47, -119.64], 0.7 SW FISH CAMP [37.47, -119.64], 0.7 SW FISH CAMP [37.47, -119.64], 0.7 SW FISH CAMP [37.47, -119.64]

	03/21/18 17:31 PST		0	Debris Flow
	03/21/18 17:31 PST		0	Source: Law Enforcement

California Highway Patrol reported a mud slide along northbound State Route 41 at Jackson Rd. near Fish Camp after brief heavy rain moved over the area.

FRESNO COUNTY --- 1.3 ESE MELVIN [36.81, -119.65]

	03/21/18 20:00 PST		0	Heavy Rain
	03/22/18 06:00 PST		0	Source: Trained Spotter

A trained spotter measured 0.91 inches of rainfall between 900 pm on March 21 and 700 am on March 22 with periods of heavy rain during this time frame.

FRESNO COUNTY --- 3.5 NNE PINEDALE [36.87, -119.76], 3.5 NNE PINEDALE [36.87, -119.77], 3.5 NE PINEDALE [36.87, -119.76], 3.5 NE PINEDALE [36.87, -119.76]

	03/22/18 06:25 PST		0	Flood (due to Heavy Rain)
	03/22/18 06:25 PST		0	Source: Broadcast Media

Media report of minor flooding at the intersection of Champlain and Perrin in north Fresno with several inches of water covering the roadway.

MADERA COUNTY --- 1.7 ESE WISHON [37.29, -119.52], 1.7 ESE WISHON [37.29, -119.52], 1.6 ESE WISHON [37.29, -119.52], 1.7 ESE WISHON [37.29, -119.52]

	03/22/18 07:25 PST		0	Flood (due to Heavy Rain)
	03/22/18 07:25 PST		0	Source: Law Enforcement

California Highway Patrol reported a mud slide onto the roadway on Road 274 at Marina View Dr. near the southeast side of Bass Lake.

MADERA COUNTY --- 3.8 SSE COARSEGOLD [37.22, -119.67], 3.8 SSE COARSEGOLD [37.22, -119.67], 3.8 SSE COARSEGOLD [37.22, -119.68], 3.8 SSE COARSEGOLD [37.22, -119.68]

	03/22/18 09:00 PST		0	Flood (due to Heavy Rain)
	03/22/18 09:00 PST		0	Source: County Official

Madera County Public Works reported Road 417 was closed just west of Huron Rd. due to flooding.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
KERN COUNTY --- 6.8 SW DEMOCRAT SPGS [35.47, -118.76], 7.9 SW DEMOCRAT SPGS [35.46, -118.78], 8.1 SW DEMOCRAT SPGS [35.45, -118.78], 6.5 SW DEMOCRAT SPGS [35.46, -118.75], 5.5 SW DEMOCRAT SPGS [35.48, -118.74], 5.1 SW DEMOCRAT SPGS [35.49, -118.74], 5.7 SW DEMOCRAT SPGS [35.48, -118.75]				
	03/22/18 09:27 PST		0	Debris Flow
	03/22/18 09:27 PST		0	Source: Law Enforcement
California Highway Patrol reported a rock slide partially blocking State Route 178 in Kern Canyon.				
MARIPOSA COUNTY --- 0.3 NE BRICEBURG [37.60, -119.97], 0.7 NNE BRICEBURG [37.61, -119.97], 0.8 NE BRICEBURG [37.61, -119.96], 0.6 E BRICEBURG [37.60, -119.96]				
	03/22/18 09:42 PST		0.10M	Debris Flow
	03/22/18 09:42 PST		0	Source: Law Enforcement
California Highway Patrol reported a rock slide covering the entire westbound lane and partial blocking of the eastbound lane of State Highway 140 at Briceburg.				
KERN COUNTY --- 1.2 NW CANTIL [35.31, -117.99], 1.4 NNW CANTIL [35.32, -117.98], 1.1 NNW CANTIL [35.31, -117.98], 1.1 NW CANTIL [35.31, -117.98]				
	03/22/18 11:51 PST		0	Flood (due to Heavy Rain)
	03/22/18 11:51 PST		0	Source: Law Enforcement
California Highway Patrol reported Redrock-Randsburg Rd. at State Route 14 closed due to water over the road.				
MARIPOSA COUNTY --- 1.6 NW MIDPINES [37.56, -119.94], 1.4 NW MIDPINES [37.56, -119.94], 1.3 NW MIDPINES [37.56, -119.94], 1.5 NW MIDPINES [37.57, -119.94]				
	03/22/18 12:15 PST		0.10M	Debris Flow
	03/22/18 12:15 PST		0	Source: Law Enforcement
California Highway Patrol reported large boulders at State Route 140 and Colorado Rd.				
MERCED COUNTY --- 3.5 N SNELLING [37.57, -120.43], 3.5 N SNELLING [37.57, -120.42], 3.0 N SNELLING [37.56, -120.42], 3.0 N SNELLING [37.56, -120.43]				
	03/22/18 12:30 PST		0	Flash Flood (due to Heavy Rain)
	03/22/18 14:30 PST		0	Source: Law Enforcement
California Highway Patrol reported the entire roadway flooded at the intersection of Roadway J59 and Fields Rd.				
MERCED COUNTY --- 3.6 E (MER)CASTLE AFB [37.38, -120.50], 3.8 E (MER)CASTLE AFB [37.38, -120.50], 3.7 E (MER)CASTLE AFB [37.37, -120.50], 3.6 E (MER)CASTLE AFB [37.37, -120.50]				
	03/22/18 12:57 PST		0	Debris Flow
	03/22/18 12:57 PST		0	Source: Law Enforcement
California Highway Patrol reported major flooding across the roadway at State Route 59 and Nevada St.				
FRESNO COUNTY --- 0.7 SSW WILDFLOWER [36.49, -119.68], 0.7 S WILDFLOWER [36.49, -119.68], 0.5 SSW WILDFLOWER [36.49, -119.68], 0.5 SSW WILDFLOWER [36.49, -119.68]				
	03/22/18 13:58 PST		0	Flood (due to Heavy Rain)
	03/22/18 13:58 PST		0	Source: Law Enforcement
California Highway Patrol reported Fowler Ave. just north of Elkhorn Ave. completely flooded.				
MARIPOSA COUNTY --- 0.4 ENE BEAR VLY [37.57, -120.11], 0.8 W BEAR VLY [37.57, -120.13], 9.1 NW COULTEVILLE [37.81, -120.32], 7.6 NW COULTEVILLE [37.81, -120.28], 0.5 NNE COULTEVILLE [37.73, -120.20], 3.3 N BAGBY [37.67, -120.14]				
	03/22/18 13:58 PST		0.50M	Debris Flow
	03/22/18 13:58 PST		0	Source: Law Enforcement
California Highway Patrol reported State Route 49 completely closed due to mudslides between State Route 120 and Bear Valley Rd. The road was closed for several days due to erosion from a massive amount of water which washed out the roadway.				
MARIPOSA COUNTY --- 8.1 W COULTEVILLE [37.71, -120.35], 3.3 WSW INDIAN GULCH [37.41, -120.25], 3.1 SW BOOTJACK [37.43, -119.91], 9.8 ENE COULTEVILLE [37.77, -120.03]				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	03/22/18 14:00 PST	2	2M	Flash Flood (due to Heavy Rain)
	03/22/18 18:00 PST		0	Source: Emergency Manager

Mariposa Office of Emergency Services reported several homes flooded and roadways washed out. While many roadways were washed out across Northwestern Mariposa County, the homes were generally impacted near Lake Don Pedro, Hornitos, and the City of Mariposa. The two fatalities that did occur in the area were both related to a person driving into a flooded roadway. One was along highway 132 west of Coulterville and the other was near Cathey's Valley where a 72 year old woman was found dead nearly four months later.

Direct Fatalities: M??VE, F72VE

TULARE COUNTY --- 1.2 NW VISALIA [36.34, -119.31], 1.1 NW VISALIA [36.34, -119.31]

03/22/18 14:45 PST	0	Funnel Cloud
03/22/18 14:45 PST	0	Source: NWS Employee

A brief cold air funnel was reported by an NWS employee at the corner of Houston Ave. and Mooney Blvd. in north Visalia.

TULARE COUNTY --- 0.5 NNW YETTEM [36.49, -119.25], 0.8 NW SEVILLE [36.49, -119.23]

03/22/18 14:49 PST	0	Tornado (EF0, L: 1.19 mi , W: 20 yd)
03/22/18 14:50 PST	0	Source: Storm Chaser

A storm chaser intercepted a small tornado between Yettem and Seville on State Route 201. The tornado was on the ground for a minute or less and no damage was reported.

MARIPOSA COUNTY --- 5.0 NNW MIDPINES [37.62, -119.95], 1.8 NNE BRICEBURG [37.62, -119.95], 1.8 NNE BRICEBURG [37.62, -119.96], 1.4 NNE BRICEBURG [37.62, -119.96]

03/22/18 14:59 PST	0.10M	Debris Flow
03/22/18 14:59 PST	0	Source: Law Enforcement

California Highway Patrol reported State Route 140 sliding into the Merced River and a large crack in the road.

TULARE COUNTY --- 0.5 NNW SEVILLE [36.49, -119.22], 0.3 NNW SEVILLE [36.48, -119.22]

03/22/18 15:15 PST	0	Funnel Cloud
03/22/18 15:15 PST	0	Source: Public

Public report of a funnel cloud in the vicinity of Ave 384 and Road 156 in the Seville area.

TULARE COUNTY --- 0.8 NW YETTEM [36.49, -119.26], 0.5 NW YETTEM [36.48, -119.26]

03/22/18 15:15 PST	0	Funnel Cloud
03/22/18 15:15 PST	0	Source: Public

Report of a funnel cloud received on Facebook near the intersection of State Route 201 and Road 140 near Yettem.

TULARE COUNTY --- 5.2 W CAMP NELSON [36.16, -118.71], 5.3 W CAMP NELSON [36.16, -118.71], 4.9 W CAMP NELSON [36.16, -118.71], 4.9 W CAMP NELSON [36.16, -118.71]

03/22/18 17:15 PST	0	Flood (due to Heavy Rain / Burn Area)
03/22/18 17:15 PST	0	Source: Department of Highways

Cal Trans reported a road closure due to a mudslide on State Route 190 about 8.4 miles west of Camp Nelson.

FRESNO COUNTY --- 3.5 NE PINEDALE [36.87, -119.76], 3.5 NE PINEDALE [36.87, -119.76], 3.5 NE PINEDALE [36.87, -119.76], 3.6 NE PINEDALE [36.87, -119.76]

03/22/18 17:30 PST	0	Flood (due to Heavy Rain)
03/22/18 17:30 PST	0	Source: Broadcast Media

Several media and social media reports of numerous cars hitting each other or getting stuck because of high water on Champlain Dr. in north Fresno.

FRESNO COUNTY --- 1.3 N CLOVIS [36.84, -119.70], 1.4 N CLOVIS [36.84, -119.70], 1.4 N CLOVIS [36.84, -119.70], 1.4 N CLOVIS [36.84, -119.70]

03/22/18 17:55 PST	0	Flood (due to Heavy Rain)
03/22/18 17:55 PST	0	Source: Public

Public reports of road flooding with about 10 cars stuck in high water on Clovis Ave near the State Route 168 underpass in Clovis.

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KERN COUNTY --- 1.8 W BEALVILLE [35.27, -118.66], 2.1 WSW BEALVILLE [35.26, -118.67], 1.6 WSW BEALVILLE [35.26, -118.66], 1.4 W BEALVILLE [35.27, -118.65]				
	03/23/18 00:37 PST		0	Debris Flow
	03/23/18 00:37 PST		0	Source: Law Enforcement
California Highway Patrol reported road closure due to rocks and mud on State Route 223 at State Route 58. Several vehicles were stuck in mud.				

FRESNO COUNTY --- 2.8 N PINEDALE [36.87, -119.79], 3.3 NNE PINEDALE [36.87, -119.78], 2.7 NNE PINEDALE [36.87, -119.78], 2.4 NNE PINEDALE [36.86, -119.78], 2.3 NNE PINEDALE [36.86, -119.79]				
	03/23/18 01:30 PST		0	Flash Flood (due to Heavy Rain)
	03/23/18 03:30 PST		0	Source: Broadcast Media

A television station broadcast indicated that 6 campers were trapped in high water from the San Joaquin River in Woodward Park . 2 were able to escape and 4 were rescued by the Fresno Fire Department in 2-3 feet of water.

MERCED COUNTY --- 1.1 SSE PLANADA [37.28, -120.31], 0.9 SSE PLANADA [37.29, -120.32], 0.8 SSE PLANADA [37.29, -120.32], 0.8 SSE PLANADA [37.29, -120.31], 0.8 SSE PLANADA [37.29, -120.31]				
	03/23/18 03:00 PST		0	Flood (due to Heavy Rain)
	03/23/18 03:00 PST		0	Source: Public

Public report of around a foot of water from Miles Creek flooding parts of Planada Elementary School. This report was later confirmed by the Merced County OES official.

A warm plume of moist tropical air brought a very active period of weather to the area between the evening of March 20 and the evening of March 22. This resulted in widespread heavy rainfall across the area on March 21 and 22 which produced flooding at many locations with rock slides and debris flows closing several roads across the area. The most impacted areas being around Mariposa as a result of the Detwiler Fire burn scar and Springville as a result of the Pier Fire burn scar. In addition, thunderstorms developed during the afternoon of March 22 producing flash flooding at many locations as well as funnel clouds. A Flash Flood Emergency was issued for most of western Mariposa County where several buildings were flooded and some areas were evacuated. A small tornado briefly touched down near Dinuba in Tulare County. In addition, several feet of new snow fell above 9000 feet. Below the snow line, much of the Southern Sierra Nevada measured between 4 and 8 inches of rainfall while most of the San Joaquin Valley picked up between 1 and 3 inches of rainfall.