



# National Weather Service

## Storm Data and Unusual Weather Phenomena



February 2005

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
----------	------	----------------------------	---------------------------	--------------------------	--------------------------------	---------------------------------	---------------------------------	------------------------------	--------------------

### CALIFORNIA, South Central

**CAZ089-091>092**      **W Central Sj Valley - Sw Sj Valley - Se Sj Valley**  
**02**      **0315PST**      **0**      **0**      **Dense Fog**  
**1000PST**

Numerous aviation sites with less than 1/4 mile visibility plus satellite data confirms widespread nature of dense fog on the morning of the 2nd.

**CAZ089>091**      **W Central Sj Valley - E Central Sj Valley - Sw Sj Valley**  
**03**      **0200PST**      **0**      **0**      **Dense Fog**  
**0800PST**

Widespread dense fog developed primarily in the Central San Joaquin Valley on the morning of the 3rd but extended well into the Southwest S.J. Valley. During the first half of the month, other than the mornings of the 2nd and 3rd, patchy fog plagued the Central and South Valley due to the moist conditions from much above normal rainfall through the winter

<b>Madera County</b>									
<b>Madera</b>	<b>15</b>	<b>0007PST</b>			<b>0</b>	<b>0</b>			<b>Heavy Rain</b>
	<b>16</b>	<b>0641PST</b>							
<b>Merced County</b>									
<b>Merced</b>	<b>15</b>	<b>0012PST</b>			<b>0</b>	<b>0</b>			<b>Heavy Rain</b>
	<b>16</b>	<b>0736PST</b>							
<b>Fresno County</b>									
<b>(Fat) Air Terminal</b>	<b>15</b>	<b>0109PST</b>			<b>0</b>	<b>0</b>			<b>Heavy Rain</b>
		<b>2356PST</b>							
<b>Kern County</b>									
<b>(Bfl) Meadows Field Ap</b>	<b>18</b>	<b>0124PST</b>			<b>0</b>	<b>0</b>	<b>2M</b>		<b>Heavy Rain</b>
		<b>1946PST</b>							

The period from the 15th into the 22nd of the month marked a period of unsettled weather for Interior Central California. Rain occurred during this time period with some locally heavy rain showers or thundershowers. On the 15th Central California was particularly hard hit with much above normal daily rain amounts as Merced received 1.24" during the 24-hour period, Madera 1.16", and Fresno 0.92". In the South San Joaquin Valley Bakersfield received 0.82" on the 18th (a daily record), a contribution by an early evening thundershower. Resultant ponded and flowing water in the South San Joaquin Valley from the 15th to the 22nd caused major damage to area roads...including Wheeler Ridge Road 2.5 miles northeast of Mettler in the South Valley. Numerous reports of small stream and urban flooding occurred throughout Interior Central California during the wet period and specifically included localized flooding on the 15th in West Fresno City and Dos Palos in Fresno County and on Highway 41 north of Fresno in Madera County, and local road flooding around Bakersfield on the 18th.

**CAZ096**      **S Sierra Mtns**  
**15**      **2000PST**      **0**      **0**      **Heavy Snow**  
**16**      **0900PST**

Tuolumne Meadows reported 16" of new snow overnight

**CAZ097**      **Tulare Cty Mtns**  
**18**      **0000PST**      **0**      **0**      **Heavy Snow**  
**1530PST**

New Snow overnight varied from 12" at Wet Meadows to 14" at Pascoes in the Tulare County Mountains

**Tulare County**  
**Visalia**      **18**      **0000PST**      **0**      **0**      **Heavy Rain**  
**2359PST**

**Kings County**  
**Avenal to**      **18**      **1700PST**      **0**      **0**      **Heavy Rain**  
**10 N Avenal**      **1730PST**

A thunderstorm passed over Avenal late in the afternoon of the 18th with 1/2" hail and very heavy rain reported. The city of Visalia had over 30 intersections between Tulare and Walnut Avenues around Central Street flooded due to persistent and locally heavy rain. Rainfall accumulations around Visalia for the 36-hour period ending late on the 18th were in excess of 1".



# National Weather Service

## Storm Data and Unusual Weather Phenomena



February 2005

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
----------	------	----------------------------	---------------------------	--------------------------	--------------------------------	---------------------------------	---------------------------------	------------------------------	--------------------

### CALIFORNIA, South Central

#### Kern County

Rosamond	18 19	0800PST 0800PST			0	0			Heavy Rain
----------	----------	--------------------	--	--	---	---	--	--	------------

#### Kern County

2 ENE Cantil to 11 ENE Cantil	19	0000PST 1739PST			0	0			Heavy Rain
----------------------------------	----	--------------------	--	--	---	---	--	--	------------

#### Kern County

5 NW Johannesburg	19	0000PST 1739PST			0	0			Heavy Rain
-------------------	----	--------------------	--	--	---	---	--	--	------------

#### Kern County

2 NW Lebec	19	0000PST 1739PST			0	0			Heavy Rain
------------	----	--------------------	--	--	---	---	--	--	------------

Several reports of ponded water on roadways in Kern County from the continued wet period from the 15th into the 22nd of the month. Law enforcement reported water on Garlock and Redrock-Randsburg Roads in the Kern Desert. A Rosamond resident reported 0.75" of rain from the 18th to the 19th in the Kern County Desert.

#### CAZ096>097

S Sierra Mtns - Tulare Cty Mtns	19 20	1800PST 0400PST			0	0			Heavy Snow
---------------------------------	----------	--------------------	--	--	---	---	--	--	------------

#### CAZ095

Kern Cty Mtns	20 21	1030PST 0400PST			0	0			Winter Weather/Mix
---------------	----------	--------------------	--	--	---	---	--	--	--------------------

The inclement weather period from the 15th through the 22nd for the San Joaquin Valley Floor also resulted in periods of snow, some heavy, in the adjacent mountain areas. The evening of the 19th into the morning of the 20th brought heavy snow for the Southern Sierra Nevada and Tulare County Mountains including 18" at Chilkoot Meadow and 19" and Pascoes. Subsequent snow shower activity brought 6" of new snow to the Cuddy Valley area of the Kern County Mountains during the late evening of the 20th.

#### CAZ096>097

S Sierra Mtns - Tulare Cty Mtns	21 22	0000PST 0000PST			0	0			Heavy Snow
---------------------------------	----------	--------------------	--	--	---	---	--	--	------------

Significant snow occurred in the Southern Sierra Nevada and Tulare County Mountains on the 21st with Chilkoot Meadow reporting 22" of new snow and Pascoes with 21". Larger snowfall totals over the 48 hour period from the 20th into the morning of the 22nd included: 39" of new snow at Tamarack Summit in Fresno County, 35" at Poison Ridge in Madera County, 34" at Chilkoot Meadow in Madera and Chagoopa Plateau in Tulare Counties, and 30" at Farewell Gap in Tulare County.

#### CAZ095-095

Kern Cty Mtns	21 22	0113PST 1000PST			0	0	3K		Landslide
---------------	----------	--------------------	--	--	---	---	----	--	-----------

#### CAZ092-095

Se Sj Valley - Kern Cty Mtns	21 22	1800PST 1000PST			0	0	5K	300K	Flood
------------------------------	----------	--------------------	--	--	---	---	----	------	-------

A small landslide (mudslide) occurred in the Kern County Mountains early in the morning of the 21st. Continued rain, locally heavy, brought high amounts of water runoff through portions of El Tejon School early in the morning of the 22nd. A small mudslide and rockfall also occurred along Interstate Highway 5 immediately next to the school near the same time period. As a result of continuous rain, excessive water moved onto and ponded in numerous low-lying areas of the Southeast San Joaquin Valley. The specific crop loss figures reflect just 2 growers with combined acreage of 400 acres southwest of Arvin although it is likely more acreage was affected.

#### Fresno County

1 W San Joaquin	21	1420PST			0	0			Lightning
-----------------	----	---------	--	--	---	---	--	--	-----------

A thunderstorm just west of the small Southwest Fresno County town of San Joaquin was responsible for cloud-to-ground lightning.



# National Weather Service

## Storm Data and Unusual Weather Phenomena



February 2005

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
----------	------	----------------------------	---------------------------	--------------------------	--------------------------------	---------------------------------	---------------------------------	------------------------------	--------------------

### CALIFORNIA, South Central

winds estimated at 40-50 MPH, and half inch hail. No damage was reported in this very rural area.

#### Fresno County

3 N Kerman	21	1505PST 1515PST			0	0			Hail(0.75)
------------	----	--------------------	--	--	---	---	--	--	------------

#### Madera County

5 SW Madera	21	1535PST 1550PST			0	0			Hail(0.75)
-------------	----	--------------------	--	--	---	---	--	--	------------

#### Madera County

Madera	21	1540PST			0	0			Lightning
--------	----	---------	--	--	---	---	--	--	-----------

#### Fresno County

2 NE Pinedale to Clovis	21	1614PST 1645PST			0	0			Hail(0.75)
----------------------------	----	--------------------	--	--	---	---	--	--	------------

#### Madera County

15 NE Madera	21	1711PST 1715PST			0	0			Hail(0.75)
--------------	----	--------------------	--	--	---	---	--	--	------------

Numerous reports of 3/4-inch hail in Fresno and Madera Counties between 1505 and 1715 PST on the 21st along with widespread thunderstorm activity in the Central and South San Joaquin Valley. Lightning struck within the city limits of Madera (West 4th Street between Hilton and Schnoor Avenues) during the afternoon thunderstorm.

#### Kings County

2.5 NW Kettleman City	21	1546PST 1645PST			0	0			Flash Flood
-----------------------	----	--------------------	--	--	---	---	--	--	-------------

Calif Highway Patrol reported water and mud over the road at Quail Ave and 30th Avenue in Southwest Fresno County

#### Kern County

4 NW Calif City Airport 2 NW Calif City Airport	21	1710PST 1715PST			0	0			Funnel Cloud
--	----	--------------------	--	--	---	---	--	--	--------------

The general public reported a funnel cloud northwest of the California City Airport in the Kern County Desert in the late afternoon of the 21st.

#### Kings County

8 E Kettleman City	22	1935PST 2000PST			0	0			Hail(1.00)
--------------------	----	--------------------	--	--	---	---	--	--	------------

Trained spotter reported 3/4 to 1" hail.

#### Kern County

5 E (Bfl) Meadows Field	23	1417PST			0	0			Lightning
-------------------------	----	---------	--	--	---	---	--	--	-----------

Thunderstorm in the vicinity of Meadows Field, Kern County Airport.

#### Kern County

Weldon	23	1700PST 1720PST			0	0			Heavy Rain
--------	----	--------------------	--	--	---	---	--	--	------------

#### CAZ093

S Sierra Foothills	23	1703PST			0	0			Landslide
--------------------	----	---------	--	--	---	---	--	--	-----------

Continued shower activity brought locally heavy rain to the Kern County Mountains just east of Lake Isabella where 0.75" of rain fell in a 20 minute time period late in the afternoon of the 23rd. A 4" accumulation of small hail at State Highway 178 and Sierra Way was also received in the Lake Isabella area. Heavy rain in Mariposa County resulted in a rockslide near Savage's Trading Post on Highway 140.

#### Kern County

4.5 SW Tehachapi	24	1702PST 1725PST			0	0			Hail(1.00)
------------------	----	--------------------	--	--	---	---	--	--	------------

Hail varying from 3/4 to 1" was reported at Alpine Forest southwest of Tehachapi in the Kern County Mountains.

#### CAZ096>097

S Sierra Mtns - Tulare Cty Mtns	27	2000PST			0	0			Winter Weather/Mix
---------------------------------	----	---------	--	--	---	---	--	--	--------------------



# National Weather Service

## Storm Data and Unusual Weather Phenomena



February 2005

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

**CALIFORNIA, South Central**

**28      0700PST**

Significant snow fell at the higher elevations of the Southern Sierra Nevada and Tulare County Mountains the night of the 27th. Tuolumne Meadows and Badger Pass received 10" of new snow, Lodgepole 9", and Grant Grove 6".