Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Numb Pers Killed		Estimated Damage Property Crops	December 200 Character of Storm		
CALIFORNIA, Sou	uth Centra	<u>1</u>								
CAZ089>092	W Ce 01	ntral Sj Valley - 1 0100PST	E Central Sj	Valley - Sw	Sj Valley - S 0	Se Sj Valle 0	ey	Frost/Freeze		
	morni measu	ings of December ures. Low tempera	r. Overnight a atures during	ninimum ter this period w	nperatures vere quite co	were low e insistently i	enough to force ci in the mid 20s or 1	the event continued through the first f trus growers to employ frost protect anging generally from 24F to 28F in recorded 21F as its low temperature		
CAZ096>097	S Sier 07	ra Mtns - Tulare 0100PST	Cty Mtns		0	0		Winter Storm		
	1500PST In only about 12 hours over a foot of snow fell at several locations within the Southern Sierra Nevada stretching from Yosemite Par southward into the Tulare County Mountains: Bishop Pass, Lodgepole, Pascoes and Hume Lake had 13" of new snow, Shaver Lak and Kaiser Point had 15", and Big Meadows had 16".									
Mariposa County										
Countywide	07 08	0250PST 0852PST			0	0		Heavy Rain		
Merced County Countywide	07 08	0250PST 0852PST			0	0		Heavy Rain		
Madera County Countywide	07 08	0253PST 0830PST			0	0		Heavy Rain		
Fresno County Countywide	07 08	0257PST 0808PST			0	0		Heavy Rain		
CAZ090	E Cen 07	ntral Sj Valley 0700PST 1100PST			0	0	5K	Strong Wind (EG45)		
	across and 8 Hanfo	wing a light precips the San Joaquin th of the month M	Valley and ad Aerced receive at Bakersfield	jacent foothi ed 1.14 inch	ll portions of es of rain, a	f the area's nd Fresno	northern counties: 0.88." In the Sou	l California had significant rainfall sw In just a little over 24 hours over the th San Joaquin Valley, it rained 0.41 ge to Christmas decorations in the city		
CAZ089>092	10	ntral Sj Valley - 1 0500PST	E Central Sj	Valley - Sw	Sj Valley - S 0	Se Sj Valle 0	2y	Dense Fog		
	11 1755PST For two consecutive late evenings and early mornings visibilities lowered, widespread, to less than 1/4 mile in the Central and South San Joaquin Valley. On the 11th visibilities remained less than 1/4 mile well past noon in southern Fresno, and northern Kings and Tulare Counties.									
CAZ089>092	W Ce 16 26	ntral Sj Valley - 1 2300PST 0252PST	E Central Sj	Valley - Sw	Sj Valley - S 0	Se Sj Valle 0	ey	Dense Fog		
	The ti Califo signif condi the m were	ime from the 9th to prnia's San Joaquin icant rain on the tions. After a brie ornings of the 17t	n Valley was n 7th and 8th f respite on th h through the onditions at the	narked by lat , sufficient e mornings of 25thand af heir worst or	te night and moisture ha of the 14th the fected the Conserveral model	early morn d been de hrough the Central San ornings dur	ing fog and haze. posited to provide 16th, dense fog ag Joaquin Valley ev ing the period betw	periods in the month) in Interior Cen Due to above normal rain in October a e for overnight fog formation in ste ain became prevalent for the period fr en early morning on the 26th. Visibili ween the 17th and 26th leading to m		



National Weather Service Storm Data and Unusual Weather Phenomena

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Numb Pers Killed	per of sons Injured	Estim Dan Property	nated nage Crops	December 2004 Character of Storm
CALIFORNIA, Sou	th Central	ļ							
Mariposa County									
Countywide	27 31	0504PST 1005PST			0	0			Heavy Rain
Merced County									
Countywide	27 31	0504PST 1005PST			0	0			Heavy Rain
Madera County									
Countywide	27 31	1000PST 1030PST			0	0			Heavy Rain
Fresno County									
Countywide	27 31	2350PST 1048PST			0	0			Heavy Rain

While much of December was relatively dry in Interior Central California with a brief 2-day period of rain on the 7th and 8th, the last 5 days of the month became exceptionally wet and extended well into January. Daily record rainfalls were recorded at Bakersfield on the 30th and 31st in the South San Joaquin Valley with amounts of 0.40" and 0.38", respectively, and in Fresno in the Central San Joaquin Valley on the 28th when 0.72" of rain fell. Continued unsettled weather over the last of the month led to large amounts of urban and rural ponding on the Central and South San Joaquin Valley floor and Kern County Desert areas, and full small streams in the adjacent foothill areas. Fresno ended the month with 3.16" of rain which is more than double its normal rainfall. In the South Valley Bakersfield received 1.09" or rain compared to its normal of 0.76". By the morning of the 31st ponding caused problems near Winton in Merced County with loosed boulders onto roadways in the foothills of Madera County near Bass Lake. In Fresno County by the morning of the 31st numerous reports of urban ponding in the city of Fresno and small stream flooding were reported from Coalinga on the west side of the San Joaquin Valley to loosed boulders in the foothills and mountains of the county due to the continued precipitation.

CAZ089-091>093	W Central Sj Valley - Sw Sj Valley - Se Sj Valley - S Sierra Foothills							
	27 29	0504PST 0900PST	0	0	177K	Strong Wind (MG36)		
CAZ095	Kern	Cty Mtns						
	27 28	0730PST 1500PST	0	0	40K	High Wind (MG77)		
	by stro loss to	ong southeast (pre-frontal) wind co o customers in localized areas in th	onditions. Trees were done Central and South Sa	owned w n Joaqui	vith the damage n Valley. High v	e South Valley through the 29th was marked extending to power lines and resultant power wind occurred at the base of the grapevine on County Mountains peaked at 72 KTS at 0450		

loss to customers in localized areas in the Central and South San Joaquin Valley. High wind occurred at the base of the grapevine on the 27th with a measured gust to 77 KTS but also wind at Rancho Ridge in the Kern County Mountains peaked at 72 KTS at 0450 PST on the 27th. Specific damage was reported in Porterville, Visalia, and Poso in the Tulare County area from downed trees and power lines late on the 27th through midday on the 28th. Over 2500 customers in the Kingsburg area of South Fresno County were without power due to the strong wind. Some minor damage caused by the wind was also reported in the foothills of Fresno County near Auberry on the 28th.

CAZ096>097	S Sierra Mtns - Tulare Cty Mtns 27 0800PST 29 1600PST	0	0	Heavy Snow		
CAZ095	Kern Cty Mtns 28 0900PST 29 1600PST	0	0	Winter Storm		

The first in a series of strong Pacific Ocean storms began bringing significant precipitation to the higher terrain of Interior Central California early on the 27th. By the morning of the 28th, a foot of new snow was reported in the Kern County Mountains at Frazier Park with drifts of 3 feet reported at nearby Mt. Pinos. The combination of snow water content and rain accumulation at Frazier Park had reached 4.25" by the afternoon of the 28th. Other snow amounts in the Southern Sierra Nevada from Yosemite through the

s view	torm						e rvice er Pheno	omena	
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Numb Pers Killed		Estimated Damage Property Crops	De Character of Storm	cember 2004
CALIFORNIA, So	outh Centra	<u>l</u>							
		•		·	U		Ų	28th. By the afternoon	
Kings County	amou	nts were totaining	around 18 at	Casa vieja N	leadows an	d 20 at w	et Meadows in the 1	ulare County Mountai	ns
Countywide	28 31	0022PST 0746PST			0	0		Heavy Rain	
Tulare County									
Countywide	28 31	0022PST 0746PST			0	0		Heavy Rain	
Kern County									
Countywide	28 31	1128PST 0926PST			0	0		Heavy Rain	
	Hanfo	ord), Tulare (city	of Visalia), an	d Kern Cour	ties. In Ke	rn County	reports of significan	midday on the 28th t ponding was reported t also at California C	d in and near the

Hanford), Tulare (city of Visalia), and Kern Counties. In Kern County reports of significant ponding was reported in and near the cities of Buttonwillow, Maricopa, and Bakersfield in the Southern San Joaquin Valley but also at California City, Mojave, and Edwards AFB in the Kern County Desert. By the 31st, urban ponding was more prevalent on the Southern San Joaquin Valley floor in and around the city of Bakersfield in Kern County, the city of Hanford in Kings County, and the cities of Visalia and Ivanhoe in Tulare County. In the foothills of Tulare County some minor rock slides were reported near Pine Flat Dam

CAZ096>097

Another in a series of East Pacific storms continued to bring heavy snowfall with gusty wind to the Southern Sierra Nevada and Tulare County Mountains. New snow amounts included 37" at Giant Forest in the Tulare County Mountains; and 25" at Tuolumne Meadows by the morning of the 31st in the Southern Sierra Nevada. The accumulation of snow during the last 5 days of the month pushed the snowpack in the Southern Sierra Nevada and Tulare County Mountains to 166% of its normal for December 31st.