Ste	orm	Natio Data a							omena	
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Numb Pers Killed	er of ons Injured	Estir Dar Property	nated mage Crops	Character of Storm	March 1998
Location			(Milles)	(1 ards)	Killeu	Injured	Property	Crops	Character of Storm	
<u>CALIFORNIA, Sou</u>	<u>th Central</u>	<u></u>								
CAZ020	12	1015DCT			0	0				
	13 Due te	1215PST 2000PST	in of $\frac{3}{4}$ to 1	" in loss that	-	0	d over road	luova in N	Flood	untu vionitu of 1
		WSW of Mendota		in less that	i an nour wa	ater move	u over road	iways iii N	orthwest Fresno Co	unityvicinity of 1
Fresno County										
5 N Kerman	13	1300PST 1310PST			0	4			Hail (0.75)	
	northea		The accompna	ying deluge					2" on the ground a ways sending 4 peop	
Madera County										
7 SE Madera	13	1345PST 1430PST			0	0			Urban/Sml Stre	am Fld
		tial rain and sma nts resulted from							osing the highway. Madera	Numerous vehic
Kern County 32 S Bakersfield	13	1430PST			0	0			Hail (1.00)	
	-	1440PST orted by Californ over to wait for t			n Laval Road	d and the s	scales on In	terstate-5 a	t the base of the gra	pevine. 40-50 car
Merced County					0	<u>^</u>				
Merced	24	1200PST 2000PST	<i>c</i> i 1 1	25 6	0	0		6.	Urban/Sml Stre	am Fld
	Torren	tial thundershow	ers flooded o	ver 25 surfac	e streets in N	Aerced du	ring the aft	ernoon of t	he 24th.	
Merced County										
2 N Merced	24 Power	1400PST outage to 700 cu	stomers of PC	G&E.	0	0			Lightning	
Merced County		e								
1 SW Planada	0	0300PST (8) homes just ou icial rainfall of 1.3				0			Flood a heavy shower/thun	dershower activit
Merced County	25	0 72 0DC/T			0	0	0.01	1 53 6		
Merced	25 0530PST 1300PST 0 0 9.6M 1.5M Flood Over 65 homes and 19 apartments were flooded in and around Merced City as the result of torrential/record-setting rainfall in th previous 18 hours.									
	Locally heavy rain from a band of thunderstorms that became quasi-stationary in the previous 12-18 hours brought flooding again to the Merced City and some outlying Merced County areas. Thunderstorms developed mid-day Tuesday the 24th and locally heavy rain continued for much of that afternoon and early evening hours. Rainfall totals for 24 hours ending by the morning of the 25th showed unofficial reports from 3.5" to 5.9" in the Merced City area. One gauge in the north part of town showed 6.8" in the 48-hou period from the evening of the 23rd to the evening of the 25th. The official gauge at the airport for the 24th as a calendar day wa 3.25"! Although skies cleared during the night of the 24th/morning of the 25th, runoff water did not reach creeks until the early morning hours of the 25th with a subsequent crest on Bear Creek after dawn on the 25th. Over 1000 people were evacuated from Merced City and nearby County areas. Bear Creek crested at 19.3 feet / 7653 CFS at 0900 PST 3/25/98Black Rascal Creek wa contributed 4449CFS(148% capacity) early on 3/25 to Bear Creek's total.									

contributed 4449CFS(148% capacity) early on 3/25 to Bear Creek's total. Damage figures for the 24th/25th assessed at \$9.6M due to flooding with agricultural amounts of \$1.5M being tentative (likely to go higher with time). This event in Merced County was the 2nd one-in-100 event in two months. Dry Creek, a tributary of the Merced River near Snelling, reached 5358CFS at a height of 15.4' at 1800PST on 3/24/98 as a result of the heavy rains in the area and indicative of the type of stream flows from the foothills of the S.Sierra Nevada onto the valley floor.

Stor	rm	Natio Data a						enomena	a 🕅	
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Numb Pers Killed		Estimated Damage Property Cr	rops Character of	March 1998 Storm	
CALIFORNIA, South	Centra	<u>1</u>								
CAZ022										
	24 25 Mami	1200PST 0600PST moth Mountain re	ceived 14-18"	of new snow	0 overnight.	0		Heavy Sn	ow	
Madera County					-					
5 WSW Chowchilla to 3 WSW Chowchilla	of Ro throug orcha	ad 10. No other gh the rural area. A rd at Ave 251/2 ar	r damage seen A spotter obse nd Road 14 loo	n immediatel rved the torn cated just sou	y to the no ado path. V th and west	ortheast ex While not s t 2 miles fi	d in the Madda cept phone lir seen directly by rom Chowchilla	e damage immedia any witnesses there	of Highway 152 and east tely along Highway 15 was some damage to a damage 2 miles due wes	
Madera County										
5 WSW Chowchilla		1355PST g wind from a sev /2 mile north of th			0 trailer hous	0 e off of its	1.5K foundation as		torm Wind (G50) me dairy, calf sheds in a	
Kings County										
3 S Hanford to 1 N Armona	-							brought down 32 po	torm Wind wer poles in north King	
	Count	ty. the power con	npany indicate	d 20,000 cust	omers were	e affected	by the downed	lines for up to 12 ho	urs.	
Kings County Lemoore	24	1445PST			0	0		Urban/Sn	ıl Stream Fld	
	1600PST A thunderstorm brought very heavy rain to the city of Lemoore. The amount of water overwhelmed the city drain system and wate went gutter to gutter across downtown business area streets. Reports of 1.78" of rain occurred with the thunderstorm's passage									
Tulare County										
Porterville	24	1600PST 1700PST			0	0	5K		torm Wind	
		derstorm wind (es rville late in the af		ore than 37K	ts) brought	down po	werlines and d	amaged the roof of	an elementary school i	
Tulare County		1 (00000			0	0	5017			
Tulare	24	1600PST 1700PST		4 2512	0	0	50K		torm Wind	
		outh San Joaquin			, 11		01	1	,000 power customers i with the rain/wind storr	
Kern County					0	<u>^</u>				
5 E Maricopa	25	0553PST 0900PST	<u> </u>		0	0	. · · ·		nl Stream Fld	
		ly heavy rain led t d as a result of the		•	-	ountains f	lowing across F	lighway 166 east of	Maricopa. The road wa	
Merced County	• •				0	<u>^</u>		_		
Atwater	-	0940PST rt received at 1600 rd but no other rep	•	•	0 ay Patrol in	0 dicates fur	nnel cloud sight	Funnel Cl ted in Atwater. Rep	oud orted to have touched th	
Merced County	8- 9 an									
5 S Livingston	25 Spotte	1610PST er rerport of funne	el almost touch	ing the grour	0 nd	0		Funnel Cl	oud	
	-			2						

Sto	rm						r vice er Pheno	отепа	
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Numb Pers Killed	ons	Estimated Damage Property Crops	Character of Storm	March 1998
CALIFORNIA, South	n Centra	<u>1</u>							
Merced County 3 NW Merced	25 Spotte	1625PST er report of funnel	almost touchir	ng the groun	0 d northwest	0 of Merced.		Funnel Cloud	
CAZ022	28 Mamr	0100PST 2200PST noth Mountain rea	ceived 9" of ne	w snow this	0 daya Fish	0 Camp spot	tter had 10" of new	Heavy Snow snow by 1600 PST.	
CAZ024		0200PST 2359PST reports from spot east of Tehachapi				0 ow fell duri	ng the day 4 miles v	Heavy Snow west of Tehachapi.	Other reports to the
	Mamr heavy	noth Mountain in	the high count urred in CA Zo	ry of Mader ones 22, 23,	a County re and 24 arou	corded a tot nd the 28th	tal of 34" of new sn	and extended to the ow over these 5 day the 2800-foot elevat	s. Snow exceeding
Tulare County 5 SE Earlimart	impac		ty of Earlimart					Flood 9 and farm land. 7 It of widespread and	
Kern County Lamont		1050PST 2200PST levels in Caliente f into the creek.	e Creek raised a	as heavy rain	0 n showers an	0 and thunders	howers occurred in	Urban/Sml Stro and around Lamont	
Kings County 1 SE Armona to 1 NW Armona	28 Obser	1332PST 1350PST ved by 2 NWS en	nployees and sp	potter. Hail	0 ranging in s	0 ize from 1/4	4 to 1/2 inch occurr	Funnel Cloud ed 1 mile east of the	funnel
Kings County Lemoore		1600PST 1607PST hail (less than 1 ore around 1600 F	,	ntial rain ac	0 ccompanyin;	0 g a late aft	ernoon thunderstor	Urban/Sml Stro m led to street floo	
Merced County Plainsburg	28 Hail le	1614PST ess than 3/4" in di	ameter and fun	nel reported	0 by Merced	0 County She	eriff.	Funnel Cloud	
Madera County 5 NW Madera to 2 SE Chowchilla	28 Spotte	1630PST 1650PST er report of 3/4" ha	ail swath from	northwest to	0 southeast a	0 long State I	Highway 99 in Mad	Hail (0.75) era County.	
Merced County 5 S Merced	28 Spotte	1715PST er report of 3/4" ha	ail.		0	0		Hail (0.75)	

National Weather Service Storm Data and Unusual Weather Phenomena										
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Numb Pers Killed	ons	Estimated Damage Property Crops	Ma Character of Storm	arch 1998	
CALIFORNIA, South C	Central									
Merced County 10 SE Merced to 11 SE Merced		1625PST 1633PST 1 County Sheriff re lighway 99 just no					hat hail was large ar	Hail (1.00) Ind deep enough to cause car	rs to slide off	
Madera County Chowchilla Arpt							two belt loaders 2 reached 2 inches in	Tornado (F0) 5 feet, and then arced to depth in the area.	south before	
Fresno County 3 SE (Fat) Air Terminal	A light	1905PST tring strike on a 12 gh 5 members of th				0 lined debris	1K s down onto a famil	Lightning y exiting the house below.	No injuries	
Fresno County Parlier	28 Report	1915PST ed by spotter durin	g storm chas	se.	0	0		Lightning		
	Numerous thunderstorms developed during the afternoon hours throughout much of Central California and reached severe limits in Merced and Madera Counties. The tornado at the Chowchilla Airport occurred with a severe thunderstorm warning of at least 10 minutes. Additional hail of 1/2" diameter, not reaching severe thresholds, also fell in Southwest Fresno County just west of Lemoord Naval Air Station.									
Fresno County Huron to Kingsburg	28	1800PST 1930PST			0	0	5.0M	Small Hail		
Tulare County Visalia to Exeter	28	1930PST 2030PST			0	0	5M	Small Hail		
Kern County 16 SE Bakersfield	While Heavy and tor eastwa from n Contin	2359PST thunderstorms in t not reaching severe rain accompanying nato processing. T rd through Sanger, nostly Visalia towa	e size (3/4"), g the convec The damage Reedley, an rd Exeter.	the hail stact tive activity in Fresno Co nd Kingsburg The damage und operation	ked on the g continued to ounty was es g. Further of for 1,250 a ons to a m	ground up to plague an stimated at damage occo acres of hai inimum with	to a couple of inchest d delay ag field ope \$4.97M starting at curred in Tulare Co I-damaged plums w	Urban/Sml Stream F Imonds, grapes, stone fruit s at sizes just less than 3/4" rations for cotton planting, Huron on the west side and unty where a band of dam ras estimated at \$5M in Tu cation of herbicides, inse	, and lettuce. in diameter. cantaloupes, l progressing age occurred llare County.	

fertilizers conducted by agricultural aircraft in February and March. In Kern County continued above normal rain brought continued small stream flow onto the Southern San Joaquin Valley floor. The loss of access and/or damage to farm land continued to add to the overall spring storm and heavy rain damage assessment to Central Caliornia agriculture. Bakersfield received 2.51" of rain in March compared to normal of approximately 1"...The last week saw 1.5" of that total.