



AND UNUSUAL WEATHER PHENOMENA WITH LATE REPORTS AND CORRECTIONS





NATIONAL ENVIRONMENTAL SATELLITE DATA, AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE, N.C.

Cover: An aerial view of the town of Comfrey, in South Central Minnesota after being decimated by an F4 tornado. The F4 (wind speeds between 157-206 mph) tornado damaged 75% of the town, destroying much of the downtown section. The total path length of the tornado was 73 miles with a maximum path width of 1.25 miles. A total of 7 tornadoes killed two people, injured 21 and caused nearly 250 million dollars in property damage. (*Photograph courtesy of The Star-Tribune, Minneapolis, Minnesota.* © 1998 All rights reserved.)

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STORM DATA

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The Storm Data and Unusual Weather Phenomena narratives and Hurricane/Tropical Storm summaries are prepared by the National Weather Service. Monthly and annual statistics and summaries of tornado and lightning events resulting in deaths, injuries, and damage are compiled by cooperative efforts between the National Climatic Data Center and the Storm Prediction Center.

STORM DATA contains all confirmed information on storms available to our staff at the time of publication. However, due to difficulties inherent in the collection of this type of data, it is not all-inclusive. Late reports and corrections are printed in each edition.

Maps of the National Weather Service County Warning Areas which are used in the Storm Data and Unusual Weather Phenomena section will be printed in all editions.

Except for limited editing to correct grammatical errors, materials submitted are generally published as received.

Note: "None Reported" means that no severe weather occurred and "Not Received" means that no reports were received for this region at the time of printing.

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The editors of **STORM DATA** solicits your help in acquiring photographs (prints or slides; black and white, or color), maps, clippings, etc. of significant or unusual weather events (past or present). These could be for use in the "Outstanding Storms of the Month" or "Et Cetera" sections of **STORM DATA**. We request our subscribers or other interested persons to mail such items to:

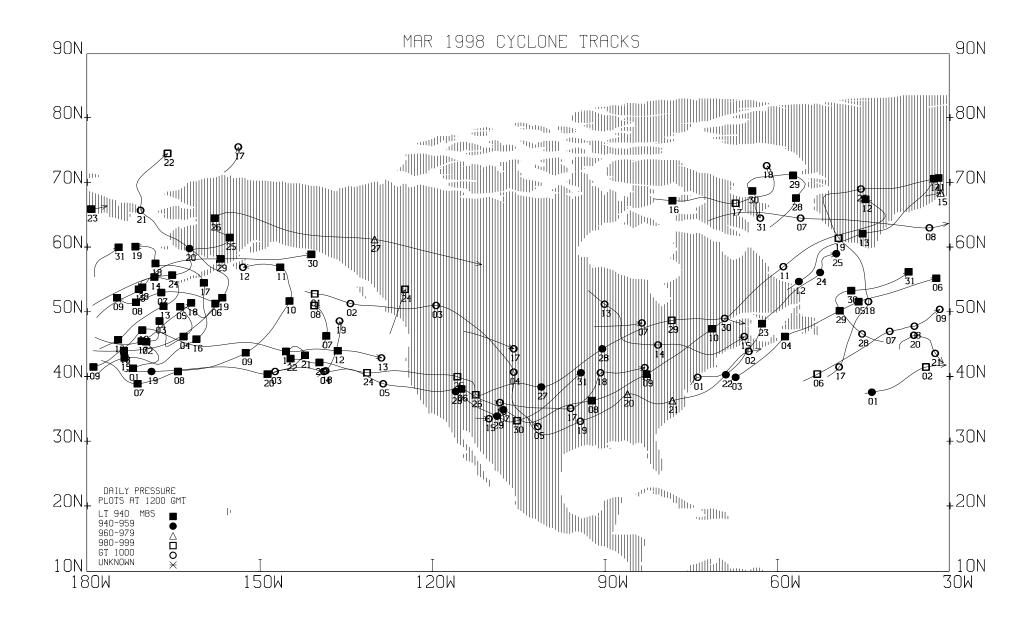
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Any such items received by the editor will be for use in **STORM DATA** only. Any other use will be with the permission of the owner of said items. Materials submitted will be returned if requested in the original submission.

"I certify that this is an official publication of the National Oceanic and Atmospheric Administration and is compiled from information received at the National Climatic Data Center Asheville, North Carolina 28801-2733."

hours R9

Thomas R. Karl Director, National Climatic Data Center



March 1998 Confirmed Tornadoes



OUTSTANDING STORMS OF THE MONTH

1. TORNADO CAUSES DAMAGE IN NORTHEAST GEORGIA

Early on the morning of March 20, 1998, a surface low pressure system was located in central Kentucky with it's associated cold front draped southward through Tennessee, Northwest Georgia and Alabama. Severe thunderstorms developed ahead of the cold front and a tornado spawned from one of the cells. The funnel touched down at 6:25 AM LST in Hall County near the town of Murrayville, Georgia (About 10 miles NNE of Gainesville, GA). The tornado track was 13 miles long and up to 200 yards wide at some points. Several permanent homes, mobile homes, automobiles and poultry farms were damaged or destroyed. The tornado also severely damaged an elementary school and a high school in Hall County. The tornado caused 12 fatalities (11 occurred in mobile homes), 171 injuries and 20 million dollars in property damage.

Below: Neighborhood residents search through the rubble for personal belongings.

(Hall and White County Photographs courtesy of Jim Cook Jr., The Times, Gainesville, Georgia)



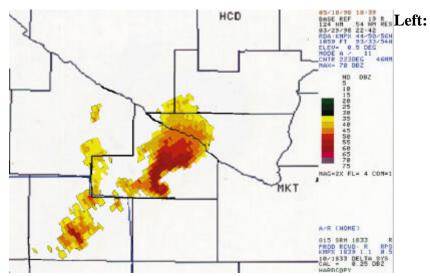


- Above: The twisted remains of the North Hall High School auditorium. If the tornado struck an hour later, the classrooms would have been full of students and the death toll could have been much higher.
- **Below:** One of the destroyed permanent homes along with two severely damaged automobiles.



2. F4 TORNADO TOUCHES DOWN IN SOUTH CENTRAL MINNESOTA

In an area not known for early spring tornadoes, seven tornadoes including a powerful F4 tornado, (wind speed of 207 - 260 mph on the Fujita Scale) struck the northern plains. On March 29, 1998, a surface low pressure area was located in eastern South Dakota with an associated warm front extending eastward into Wisconsin. A thunderstorm complex developed near Sioux Falls, SD during the early afternoon hours and moved east into Minnesota, producing large hail. The thunderstorm cells produced a series of small tornadoes prior to producing an F3 tornado at 3:50 PM CST, 7 miles east of Avoca, MN. The tornado moved east-northeast through Cottonwood County, damaging rural farms, small towns and devastating much of the town of Comfrey, MN. The tornado reached F4 strength before dissipating at 5:15 PM CST. Another tornado touched down at 5:18 PM CST, producing F3 damage to the city of St. Peter and Gustavius Adolphus College. There were 2 fatalities and 21 injuries.



This radar image shows a perfect example of a well defined "hook echo". The WSR-88D Doppler Radar identifies the heaviest or most dense rainfall with darker shades. The "hook" is a signature used by the NWS to identify possible tornadic thunderstorm cells. Tornado warnings are issued based on the hook echo signature. The NWS recorded this image of the hook echo on March 29 at 5:22 PM CST (22:42 UTC). (*Radar image courtesy of the NWS, Chanhassan, MN*)

Below Left: Volunteer rescue workers and residents of the town of Comfrey, MN inspect the tornado damage, shortly after the tornado passed.

Below Right: A resident of the town of St. Peter, MN sifts through the debris for personal belongings. Ninety percent of the towns homes were damaged and 25% were destroyed.

(All southern Minnesota tornado photographs are courtesy of the Star-Tribune, Minneapolis, MN. ©1998 Special Thanks to Todd Krause, NWS, Chanhassen, MN for contributing to this story)





		Time Local/	Path Length	Path Width	Numbe Persor		Estimate Damag		March 1	1998
Location	Date	Standard	Length (Miles)	(Yards)	Killed	Injured	0	e Crops	Character of Storm	
LABAMA, North (Central									
Lamar County										
Millport	06 Golf t	0105CST ball size hail w		n Millport.	0	0	3К	0	Hail (1.75)	
Tuscaloosa County	07	0125007	F		٥	0	317	0	TT (1 = 7)	
Moores Bridge	06 Golf t	0135CS all size hail w		d, near Moores	0 Bridge.	0	3K	0	Hail (1.75)	
Winston County	0.6	0045000	F		0	0	٥	0		
Double Spgs	06 Dime	0345CS size hail was i		e EMA.	0	0	0	0	Hail (0.75)	
Talladega County	07	040000	F		٥	0	٥	0		
Sylacauga Talladega County	06	0420CST	L		0	0	0	0	Hail (0.75)	
Fayetteville	06	0427CST	Г		0	0	3K	0	Hail (1.75)	
1 uj ette (inte				lacauga and go	lf ball size hail					
Randolph County										
Countywide	08	0800CST 1100CST	Г		0	0	500K	30K	Flash Flood	
		a very heavy 1 20 roads and b			cluding Wedow	vee and V	Vehadkee Cree	ks, ovei	flowed their banks. This washe	ed ou
Barbour County										
Countywide	08	0900CST 1500CST			0	0	75K	10K	Flash Flood	
		heavy rains ov ue to the flood		bama, several r	oads were wash	ed out in	the southern p	art of th	he county. Schools were closed	l for
Pike County			C							
Countywide	08	0915CST			0	0	75K	10K	Flash Flood	
		•	s were washe		e than five incl	nes of rai	n fell over the	souther	n part of the county. Several sc	chool
Duccoll County	were a	also closed due	e to the flood	ng.						
Russell County Countywide	08	0930CST	Г		0	0	75K	10K	Flash Flood	
-	a	1500CST								
	Some	schools were	closed after h	eavy rains mov	red over the cou	nty. Hol	land Creek floo	oded an	d washed out a few roads.	
Lowndes County Lowndesboro	08	1507CST	г		0	0	0	0	Hail (1.00)	
Lownuesboro		he size of quar		wndesboro.	Ū	Ū	Ŭ	Ū	Hum (1000)	
Autauga County										
Prattville	08 Dime	1521CS size hail was 1		attville.	0	0	0	0	Hail (0.75)	
Jackson County										
Bridgeport	08 Dime	1631CS size hail was a		ridgeport by the	0 police.	0	0	0	Hail (0.75)	
Madison County				-						
Meridianville	08	1655CST	Г		0	0	0	0	Hail (0.75)	
Madison County			_							
Meridianville				at Meridian	0 Street and Ala	0 bama A	2K & M Univers	0 ity. D	Thunderstorm Wind (G5 ime size hail was also reported	
AT 7044		ianville.								
ALZ044		gomery 1700CST	Г		0	0	35K	0	Flood	
	13	1500CST	Г							
	area.	Some roads	in the area	became floode	d as well as th	he golf o	course at Max	well A	iderable overflow of lowlands i FB. Compounding the proble ential flooding likely occurred i	ems i
Madison County										
Brownsboro	08	1715CST	г		0	0	0	0	Hail (0.88)	

		Time Local/	Path Length	Path Width	Number Persor		Estimate Damag			March 1998
Location	Date	Standard	(Miles)	(Yards)		Injured	0	Crops	Character of Storm	
ALABAMA, North C	<u>entral</u>									
Madison County New Market	08 Nickel	1716CS to quarter siz		ported in Browr	0 Isboro and New	0 Market.	0	0	Hail (1.00)	
Montgomery County Montgomery	08 Nicke	1730CS l size hail was		ide the city limi	0 ts of Montgome	0 ery.	0	0	Hail (0.88)	
Elmore County 3 E Wetumpka	08 Hail ti	1740CS he size of nick		rted just east of	0 Wetumpka.	0	0	0	Hail (0.88)	
Tallapoosa County Alexander City	08 Dime	1810CS size hail was		lexander City.	0	0	0	0	Hail (0.75)	
ALZ043	farm	2100CS 0800CS ing along the	Г lower Tallar the area and	forcing the ev					Flood allapoosa Water Pla roads in the area, su	
Franklin County Hodges Franklin County	19	1944CST			0	0	0	0	Hail (1.00)	
3 SW Phil Campbell Franklin County Phil Campbell	19 19 Hail th	1950CST 1954CST	Г	s was reported i	0 0 n Hodges, Shad	0 0 Iv Grove	0 0 and Phil Cam	0 0 phell i	Hail (1.00) Hail (0.88) n the southern part o	f the county
Marion County 6 SW Hackleburg	19	1944CS	Г	orted in Antioch	0	0	0	0	Hail (1.00)	i die county.
Franklin County Russellville	19	1959CST	Г	n Russellville, i	0	0	0	0	Hail (1.00)	
Winston County Haleyville	19	2002CS size hail was i	Г		0	0	0	0	Hail (0.75)	
Lawrence County Mt Hope	19	2012CST	Г		0	0	0	0	Hail (0.75)	
Lawrence County Hatton	19 Dime	2015CS size hail was c		ground near Mt.	0 Hope and Hatte	0 on in the	0 western part o	0 f the co	Hail (0.75)	
Marion County Guin	19 Penny	2047CS size hail was		Guin.	0	0	0	0	Hail (0.75)	
Lamar County Millport	19	2049CST	Г		0	0	0	0	Hail (0.75)	
Lamar County Sulligent	19 Dime	2050CS size hail was r		ss the entire cou	0 nty, especially i	0 in Millpo	0 rt and Sulliger	0 it.	Hail (0.75)	
Limestone County 5 NE Athens	19 Dime	2057CS size hail was		heast of Athens	0 by the state troo	0 opers.	0	0	Hail (0.75)	
Fayette County Fayette	19 A few	2100CS		e down in Fayet	0 te.	0	3К	0	Thunderstorm	Wind (G50)
Madison County Harvest	19	2112CS			0	0	0	0	Hail (0.75)	
Madison County Toney	19	2112CS	Г		0	0	0	0	Hail (0.75)	

	5	Time Local/	Path Length	Path Width	Number Persor		Estimate Damag			March 1998
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	0	Crops	Character of Storm	
ALABAMA, North	<u>Central</u>									
Madison County										
Hazel Green	19 Dimo	2124CST			0	0	0	0	Hail (0.75)	
Winston County	Dime	size nail was ro	eported in Ha	irvest, Toney, ar	d Hazel Green	in the w	estern and nor	inern pa	arts of the county.	
Double Spgs	19	2120CST	ſ		0	0	0	0	Hail (1.00)	
18	Dime	to quarter size	e hail was rep	orted just east of	Double Sprin	gs.			(,	
Walker County	10	2120 CC7			0	0		0		
Carbon Hill	19 Hail th	2120CST he size of golf		orted near Carb	0 on Hill.	0	3K	0	Hail (1.75)	
Winston County		0								
Haleyville	19	2135CST			0	0	0	0	Hail (0.75)	
a n a i	Dime	size hail was r	reported in Ha	aleyville.						
Cullman County Jones Chapel	19	2148CST	г		0	0	0	0	Hail (0.75)	
Cullman County	17	2140001	L		U	U	U	U	Hall (0.75)	
Battleground	19	2202CST	Г		0	0	0	0	Hail (0.88)	
Cullman County										
Cullman	19 Dima (2207CST		utad in maatama	0 nd control Cull	0 	0	0	Hail (0.75)	
Tuscaloosa County	Dime	to mcker size i	ian was repoi	rted in western a	na central Cul	man Cou	inty.			
Northport	19	2200CST	Г		0	0	0	0	Hail (1.00)	
Tuscaloosa County									× /	
Tuscaloosa	19	2207CST	Г		0	0	0	0	Hail (1.00)	
Tuscaloosa County	10	001/007			0	•	0	0		
Tuscaloosa	19	2216CST	Ľ		0	0	0	0	Hail (0.75)	
Tuscaloosa County Fosters	19	2224CST	ſ		0	0	0	0	Hail (0.75)	
Tuscaloosa County										
Tuscaloosa	19	2230CST			0	0	0	0	Hail (0.75)	
		to quarter size g through the o		ported in and ar	ound the city of	of Tusca	loosa, Northpo	rt and 1	Fosters with a line of	of thunderstorms
	moving	g unougn me o	county.							
Madison County										
Huntsville	19	2234CST			0	0	0	0	Hail (0.75)	
	Dime	size hail was r	reported in H	untsville.						
Madison County New Hope	19	2239CST	г		0	0	382K	0	Thunderstorm	Wind (C65)
New Hope				s were destroyed	*				ninor damage in the	
Marshall County										
Grant	19	2245CST			0	0	0	0	Thunderstorm	Wind (G55)
Marchall County	There	were a few tre	es blown dov	wn, and damage	was reported t	o a few p	orcnes north o	I Grant		
Marshall County Arab	19	2258CST	Г		0	0	0	0	Hail (0.75)	
		size hail was r		rab.					(00.0)	
Jefferson County										
Hueytown	19 Dime	2307CST size hail was r		uevtown	0	0	0	0	Hail (0.75)	
Jackson County	Dime	Size null was I	eported in H	<i>acy</i> town.						
Skyline	19	2310CST	Г		0	0	0	0	Thunderstorm	Wind (G65)
	At lea	st two trailers	were destroy	ed in Skyline.						
Bibb County	10	1115000	r		Δ	0	Δ	•	II I (0.00)	
Centreville	19 Nicke	2315CST l size hail was		Centreville.	0	0	0	0	Hail (0.88)	
Jackson County			r							
Bridgeport	19	2330CST			0	0	0	0	Hail (0.75)	
	Dime	size hail was r	reported in Bi	ridgeport.						

		Time Local/	Path Length	Path Width	Number Persor		Estimate Damag			March 1998
Location	Date	Local/ Standard	Length (Miles)	(Yards)		is Injured	0	e Crops	Character of Storm	
ALABAMA, North C	entral									
Shelby County										
6 NW Chelsea	19	2337CST	[0	0	0	0	Hail (0.75)	
Shelby County	10	224500			٥	0	20017	0		
6 NW Chelsea			eported in In	verness. A dow				0 ion at U	Thunderstorm JS 280 and AL 119.	
Etowah County										
Gallant	19 Dime	2357CST size hail was r		allant, in the sou	0 thwest part of	0 the coun	0 ty.	0	Hail (0.75)	
Dallas County	20	0010057	۰		0	0	٥	0	Heil (1 75)	
Pleasant Hill	20 Golf t	0010CST all size hail w		rom Pleasant Hil	0 l to Polk.	0	0	0	Hail (1.75)	
St. Clair County Logan Martin Res	20	0013CST	ب		0	0	0	0	Hail (0.75)	
Talladega County	_5				v		v	v		
7.5 NW Alpine	20 Dime :	0014CST size hail was r		ogan Martin Dan	0 1.	0	0	0	Hail (0.75)	
Dekalb County	• •		_							
Rainsville	20	0020CST	ľ		0	0	0	0	Hail (0.75)	
Dekalb County Ft Payne	20 Dime :	0027CST size hail was r		unsville and For	0 t Payne.	0	0	0	Hail (0.75)	
Coosa County			1		5					
10 NW Rockford	20 Hail tl	0025CST he size of quar		orted in Weogufl	0 ta in the northe	0 ern part o	0 of the county.	0	Hail (1.00)	
Talladega County										
11 SW Sylacauga	20 Dime	0040CST size hail was r		interboro in the	0 western part of	0 f the cou	0 nty.	0	Hail (0.75)	
Lowndes County	20	0050007			0	0	٥	0	H (1.05)	
Lowndesboro	20 Half d	0050CST lollar size hail		in Lowndesboro	0 D.	0	0	0	Hail (1.25)	
Elmore County	•	0100.007			0			0		
3 SW Millbrook	20 A 30 t	0100CST to 40 foot ante		vn down and nur	0 merous trees w	0 ere blow	5K n down in a pa	0 th abou	Thunderstorm t 150 yards long.	Wind (G55)
Montgomery County Hope Hull	20	0105CS7	[0	0	0	0	Hail (1.25)	
Montgomery County Montgomery	20	0125CST	[0	0	4K	0	Hail (1.75)	
Montgomery County Montgomery	20	0128CST	[0	0	0	0	Hail (0.88)	
Montgomery County	• •		_							
Mt Meigs			was reported	in Hope Hull, g e size hail was r		1		0 nnelley	Hail (0.75) Field, nickel size hai	l was reported in
Macon County			<i>,,</i>		1	80				
Tuskegee	20 Dime	0215CST size hail was 1		e western parts o	0 of Tuskegee.	0	0	0	Hail (0.75)	
Lee County			_							
Marvyn	20 Dime	0259CST size hail was 1		e Marvin comm	0 unity.	0	0	0	Hail (0.75)	
ALABAMA, Southea					-					
ALZ066	Dale									
	05	1615EST 1630EST			0	0	70K		High Wind	

One half of tin roof blown off a furniture manufacturing plant one mile north of Ozark. Numerous large tree limbs snapped near Industrial Park. Quarter sized hail and wind gusts to 47 mph observed by EOC officials in Ozark. Lightning struck and destroyed a home four miles northeast of Ozark.

		Time	Path	Path		ber of	Estima	ited		March 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Per Killed	sons Injured	Dama Property	ge Crops	Character of Storm	
ALABAMA, Southe	oct	Standard	(inites)	(Tards)	Itilieu	injureu	Topenty	crops		
ALZ065-068		e - Geneva								
	08	0635EST 0640EST	ſ		0	0	20K		High Wind	
Coffee Country	Numer	ous trees and	power lines c	lown countywic	ie.					
Coffee County Elba	08	1030EST 1800EST			4	0	105M		Flash Flood	
	Dam C Nearly River a Coffee	rous Gulf sto Creek breache 400 homes a at Elba creste	orm dumped u ed. A six foc and businesses ed near 39.3 f declared a fed	ot wall of water s sustained floo	r rushed into d damage. A 9. Four peop	the city of the ci	of Elba. Two tely 52 county	thousan y roads w	nty. The earthen le d residents were for vere washed out or les were swept awa	rced to evacuate flooded. The Pe
ALZ066	Dale	1100507	r.		0	0	117		*** 1 **** 1	
	08 Large t	1100EST trees down alo	ong County R	oad 23.	0	0	1K		High Wind	
ALZ066>069	-		eneva - Hou		0	0	230M		Flood	
	county	roads and cl	osed State Hi						85 homes, washed	
	feet on homes	March 9. In sustained floo	Houston Cou od damage. In	Malvern, Slocor inty, 60 roads w n Dale County,	mb, Geneva, /ere closed. numerous co	and Samso At Cottony ounty and st	on. The Choc vood, several ate roads wer	tawhatch families e floodec	ee River at Geneva were evacuated. A l. Between 300 and	crested near 39. pproximately 17 400 homes were
	feet on homes damage to coun	March 9. In sustained floo ed. The Choc	Houston Cou od damage. In tawhatchee R	Malvern, Slocor inty, 60 roads w n Dale County,	mb, Geneva, vere closed. numerous co crested near	and Samso At Cottony ounty and st	on. The Choc vood, several ate roads wer	tawhatch families e floodec	ee River at Geneva were evacuated. A	crested near 39. pproximately 17 400 homes were
· · · · · ·	feet on homes damage to coun	March 9. In sustained floo ed. The Choc	Houston Cou od damage. In tawhatchee R	Malvern, Slocor inty, 60 roads w n Dale County, liver at Newton	mb, Geneva, vere closed. numerous co crested near	and Samso At Cottony ounty and st	on. The Choc vood, several ate roads wer	tawhatch families e floodec	ee River at Geneva were evacuated. A l. Between 300 and	crested near 39. pproximately 17 400 homes were
	feet on homes damage to coun	March 9. In sustained floc ed. The Choc ity roads alon 1303CS 7	Houston Cou od damage. In tawhatchee R e was estimate	Malvern, Slocor inty, 60 roads w n Dale County, liver at Newton	mb, Geneva, vere closed. numerous co crested near	and Samso At Cottony ounty and st	on. The Choc vood, several ate roads wer	tawhatch families e floodec	ee River at Geneva were evacuated. A l. Between 300 and	crested near 39. pproximately 17 400 homes were
Mobile County	feet on homes : damage to coun vest 05	March 9. In sustained floc ed. The Choc ity roads alon 1303CS7 1305CS7	Houston Cou od damage. In tawhatchee R e was estimate	Malvern, Slocor inty, 60 roads w n Dale County, liver at Newton	mb, Geneva, vere closed. numerous co crested near 00. 0	and Samso At Cottony unty and st 34.6 feet (1 0	on. The Choc vood, several ate roads wer hird highest)	tawhatch families e floodec on Marcl	tee River at Geneva were evacuated. A l. Between 300 and h 9. In Henry Coun Hail (1.00)	crested near 39. pproximately 17 400 homes were
Mobile County Saraland Mobile County	feet on homes a damage to coun vest 05 Quarte	March 9. In sustained floc ed. The Choc ty roads alon 1303CST 1305CST r size hail wa	Houston Cou od damage. In tawhatchee R e was estimate r r s reported aro	Malvern, Slocor unty, 60 roads w n Dale County, tiver at Newton ed near \$440,00	mb, Geneva, vere closed. numerous co crested near 00. 0 The hail accu	and Samso At Cottony unty and st 34.6 feet (0 umulated to	on. The Choc vood, several ate roads wer hird highest)	tawhatch families e floodec on Marcl	tee River at Geneva were evacuated. A l. Between 300 and h 9. In Henry Coun Hail (1.00) es in places.	crested near 39. pproximately 17 400 homes were
Mobile County Saraland	feet on homes damage to coun vest 05 Quarte 05	March 9. In sustained floc ed. The Choc ty roads alon 1303CS7 1305CS7 r size hail wa 1325CS7 1327CS7	Houston Cou od damage. In etawhatchee R e was estimate r s reported aro	Malvern, Slocor inty, 60 roads w n Dale County, tiver at Newton ed near \$440,00	mb, Geneva, vere closed. numerous co crested near 00. 0 The hail accu 0	and Samso At Cottony unty and st 34.6 feet (1 0 umulated to 0	on. The Choc vood, several ate roads wer hird highest)	tawhatch families e floodec on Marcl	tee River at Geneva were evacuated. A l. Between 300 and h 9. In Henry Coun Hail (1.00)	crested near 39. pproximately 17 400 homes were
Mobile County Saraland Mobile County Creola	feet on homes damage to coun vest 05 Quarte 05	March 9. In sustained floc ed. The Choc ty roads alon 1303CS7 1305CS7 r size hail wa 1325CS7 1327CS7	Houston Cou od damage. In etawhatchee R e was estimate r s reported aro	Malvern, Slocor unty, 60 roads w n Dale County, tiver at Newton ed near \$440,00	mb, Geneva, vere closed. numerous co crested near 00. 0 The hail accu 0	and Samso At Cottony unty and st 34.6 feet (1 0 umulated to 0	on. The Choc vood, several ate roads wer hird highest)	tawhatch families e floodec on Marcl	tee River at Geneva were evacuated. A l. Between 300 and h 9. In Henry Coun Hail (1.00) es in places.	crested near 39. pproximately 17 400 homes were
Mobile County Saraland Mobile County Creola	feet on homes damage to coun vest 05 Quarte 05 Nickel 05	March 9. In sustained floc ed. The Choc ty roads alon 1303CS7 1305CS7 r size hail wa 1325CS7 1327CS7 to dime size 1330CS7 1331CS7	Houston Cou od damage. In etawhatchee R e was estimate f f s reported aro f hail was report f	Malvern, Slocor unty, 60 roads w n Dale County, tiver at Newton ed near \$440,00 pund Saraland. rted just northea	mb, Geneva, vere closed. numerous co crested near 00. 0 The hail accu 0 ast of Creola. 0	and Samso At Cottony unty and st 34.6 feet (0 umulated to 0	on. The Choc vood, several ate roads wer hird highest)	tawhatch families e floodec on Marcl	tee River at Geneva were evacuated. A l. Between 300 and h 9. In Henry Coun Hail (1.00) es in places.	crested near 39. pproximately 17 400 homes were
Mobile County Saraland Mobile County Creola Baldwin County Stockton	feet on homes damage to coun vest 05 Quarte 05 Nickel 05	March 9. In sustained floc ed. The Choc ty roads alon 1303CS7 1305CS7 r size hail wa 1325CS7 1327CS7 to dime size 1330CS7 1331CS7	Houston Cou od damage. In etawhatchee R e was estimate f f s reported aro f hail was report f	Malvern, Slocor inty, 60 roads w n Dale County, tiver at Newton ed near \$440,00	mb, Geneva, vere closed. numerous co crested near 00. 0 The hail accu 0 ast of Creola. 0	and Samso At Cottony unty and st 34.6 feet (0 umulated to 0	on. The Choc vood, several ate roads wer hird highest)	tawhatch families e floodec on Marcl	tee River at Geneva were evacuated. A l. Between 300 and h 9. In Henry Coun Hail (1.00) es in places. Hail (0.88)	crested near 39. pproximately 17 400 homes were
Mobile County Saraland Mobile County Creola Baldwin County Stockton	feet on homes damage to coun vest 05 Quarte 05 Nickel 05	March 9. In sustained floc ed. The Choc ty roads alon 1303CS7 1305CS7 r size hail wa 1325CS7 1327CS7 to dime size 1330CS7 1331CS7	Houston Cou od damage. In tawhatchee R e was estimate r r s reported aro r hail was report reported alon r	Malvern, Slocor unty, 60 roads w n Dale County, tiver at Newton ed near \$440,00 pund Saraland. rted just northea	mb, Geneva, vere closed. numerous co crested near 00. 0 The hail accu 0 ast of Creola. 0	and Samso At Cottony unty and st 34.6 feet (0 umulated to 0	on. The Choc vood, several ate roads wer hird highest)	tawhatch families e floodec on Marcl	tee River at Geneva were evacuated. A l. Between 300 and h 9. In Henry Coun Hail (1.00) es in places. Hail (0.88)	crested near 39. pproximately 17 400 homes were
Mobile County Saraland Mobile County Creola Baldwin County Stockton Washington County Fruitdale	feet on homes : damage to coun vest 05 Quarte 05 Nickel 05 Nickel 05	March 9. In sustained floc ed. The Choc ty roads alon 1303CST 1305CST r size hail wa 1325CST 1327CST to dime size 1330CST 1331CST size hail was 1430CST 1431CST	Houston Cou od damage. In tawhatchee R e was estimate r r s reported aro r hail was report reported alon r r	Malvern, Slocor unty, 60 roads w n Dale County, tiver at Newton ed near \$440,00 pund Saraland. rted just northea	mb, Geneva, /ere closed. numerous co crested near 00. 0 The hail accu 0 ast of Creola. 0 Stockton exi 0	and Samso At Cottony unty and st 34.6 feet (0 umulated to 0 0 t.	on. The Choc vood, several ate roads wer hird highest)	tawhatch families e floodec on Marcl	ee River at Geneva were evacuated. A l. Between 300 and h 9. In Henry Coun Hail (1.00) es in places. Hail (0.88) Hail (0.88)	crested near 39. pproximately 17 400 homes were
Mobile County Saraland Mobile County Creola Baldwin County Stockton Washington County Fruitdale	feet on homes : damage to coun vest 05 Quarte 05 Nickel 05 Nickel 05	March 9. In sustained floc ed. The Choc ty roads alon 1303CST 1305CST r size hail wa 1325CST 1327CST to dime size 1330CST 1331CST size hail was 1430CST r size hail wa 1430CST	Houston Cou od damage. In tawhatchee R e was estimate r r s reported aro r r hail was report reported alon r s reported alon r r s reported jus	Malvern, Slocor unty, 60 roads w n Dale County, tiver at Newton ed near \$440,00 ound Saraland. rted just northea ng I-65 near the	mb, Geneva, /ere closed. numerous co crested near 00. 0 The hail accu 0 ast of Creola. 0 Stockton exi 0	and Samso At Cottony unty and st 34.6 feet (0 umulated to 0 0 t.	on. The Choc vood, several ate roads wer hird highest)	tawhatch families e floodec on Marcl	ee River at Geneva were evacuated. A l. Between 300 and h 9. In Henry Coun Hail (1.00) es in places. Hail (0.88) Hail (0.88)	crested near 39. pproximately 17 400 homes were
Mobile County Saraland Mobile County Creola Baldwin County Stockton Washington County Fruitdale Escambia County	feet on homes : damage to coun vest 05 Quarte 05 Nickel 05 Nickel 05 Quarte 05	March 9. In sustained floc ed. The Choc ty roads alon 1303CS7 1305CS7 r size hail wa 1325CS7 1327CS7 to dime size 1330CS7 1331CS7 size hail was 1430CS7 1431CS7 r size hail wa 1430CS7 1431CS7	Houston Cou od damage. In tawhatchee R e was estimate r r s reported aro r f r reported alon r s reported alon r s reported jus	Malvern, Slocor inty, 60 roads w n Dale County, tiver at Newton ed near \$440,00 pund Saraland. rted just northea ng I-65 near the t south of Fruite	mb, Geneva, /ere closed. numerous co crested near 00. 0 The hail accu 0 ast of Creola. 0 Stockton exi 0 dale.	and Samso At Cottony unty and st 34.6 feet (1 0 umulated to 0 t. 0 t.	on. The Choc vood, several ate roads wer hird highest)	tawhatch families e floodec on Marcl	tee River at Geneva were evacuated. A l. Between 300 and h 9. In Henry Coun Hail (1.00) ts in places. Hail (0.88) Hail (0.88) Hail (1.00)	crested near 39. pproximately 17 400 homes wer
Mobile County Saraland Mobile County Creola Baldwin County Stockton Washington County Fruitdale Escambia County Poarch	feet on homes : damage to coun vest 05 Quarte 05 Nickel 05 Nickel 05 Quarte 05	March 9. In sustained floc ed. The Choc ty roads alon 1303CS7 1305CS7 r size hail wa 1325CS7 1327CS7 to dime size 1330CS7 1331CS7 size hail was 1430CS7 1431CS7 r size hail wa 1430CS7 1431CS7	Houston Cou od damage. In tawhatchee R e was estimate r r s reported aro r r hail was report reported alon r s reported alon r r s reported jus	Malvern, Slocor inty, 60 roads w n Dale County, tiver at Newton ed near \$440,00 pund Saraland. rted just northea ng I-65 near the t south of Fruite	mb, Geneva, /ere closed. numerous co crested near 00. 0 The hail accu 0 ast of Creola. 0 Stockton exi 0 dale.	and Samso At Cottony unty and st 34.6 feet (1 0 umulated to 0 t. 0 t.	on. The Choc vood, several ate roads wer hird highest)	tawhatch families e floodec on Marcl	tee River at Geneva were evacuated. A l. Between 300 and h 9. In Henry Coun Hail (1.00) ts in places. Hail (0.88) Hail (0.88) Hail (1.00)	crested near 39. pproximately 17 400 homes were
Mobile County Saraland Mobile County Creola Baldwin County Stockton Washington County Fruitdale Escambia County Poarch	feet on homes : damage to coun vest 05 Quarte 05 Nickel 05 Nickel 05 Quarte 05 Quarte 05 Quarte 05	March 9. In sustained floc ed. The Choc ty roads alon 1303CST 1305CST r size hail wa 1325CST 1327CST to dime size 1330CST 1331CST size hail was 1430CST 1431CST size hail was 1 1430CST 1431CST 1431CST 1431CST 1431CST	Houston Cou od damage. In tawhatchee R e was estimate f f s reported aro f hail was report f reported alon f f s reported jus f f reported near f	Malvern, Slocor inty, 60 roads w n Dale County, liver at Newton ed near \$440,00 ound Saraland. rted just northea ng I-65 near the t south of Fruita Poarch.	mb, Geneva, vere closed. numerous co crested near 0). 0 The hail accu 0 ast of Creola. 0 Stockton exi 0 dale. 0	and Samso At Cottony unty and st 34.6 feet (1 0 umulated to 0 t. 0 t.	on. The Choc vood, several ate roads wer hird highest)	tawhatch families e floodec on Marcl	tee River at Geneva were evacuated. A l. Between 300 and h 9. In Henry Coun Hail (1.00) ts in places. Hail (0.88) Hail (0.88) Hail (1.00)	crested near 39. pproximately 17 400 homes wer
Mobile County Saraland Mobile County Creola Baldwin County Stockton Washington County Fruitdale Escambia County Poarch Baldwin County Perdido	feet on homes : damage to coun vest 05 Quarte 05 Nickel 05 Nickel 05 Quarte 05 Quarte 05 Quarte 05	March 9. In sustained floc ed. The Choc ty roads alon 1303CST 1305CST r size hail wa 1325CST 1327CST to dime size 1330CST 1331CST size hail was 1430CST 1431CST size hail was 1 1430CST 1431CST 1431CST 1431CST 1431CST	Houston Cou od damage. In tawhatchee R e was estimate f f s reported aro f hail was report f reported alon f f s reported jus f f reported near f	Malvern, Slocor inty, 60 roads w n Dale County, tiver at Newton ed near \$440,00 pund Saraland. rted just northea ng I-65 near the t south of Fruite	mb, Geneva, vere closed. numerous co crested near 0). 0 The hail accu 0 ast of Creola. 0 Stockton exi 0 dale. 0	and Samso At Cottony unty and st 34.6 feet (1 0 amulated to 0 t. 0 t. 0	on. The Choc vood, several ate roads wer hird highest)	tawhatch families e floodec on Marcl	ee River at Geneva were evacuated. A 1. Between 300 and h 9. In Henry Coun Hail (1.00) es in places. Hail (0.88) Hail (0.88) Hail (1.00) Hail (1.00)	crested near 39. pproximately 17 400 homes wer
Mobile County Saraland Mobile County Creola Baldwin County Stockton Washington County Fruitdale Escambia County Poarch Baldwin County Perdido	feet on homes : damage to coun vest 05 Quarte 05 Nickel 05 Nickel 05 Quarte 05 Quarte 05 Quarte 05	March 9. In sustained floc ed. The Choc ty roads alon 1303CST 1305CST r size hail wa 1325CST 1327CST to dime size 1330CST 1331CST size hail was 1430CST 1431CST size hail was 1 1430CST 1431CST 1431CST 1431CST 1431CST	Houston Cou od damage. In tawhatchee R e was estimate f f s reported aro f hail was report f reported alon f f reported near f f reported near f f reported along f	Malvern, Slocor inty, 60 roads w n Dale County, liver at Newton ed near \$440,00 ound Saraland. rted just northea ng I-65 near the t south of Fruita Poarch.	mb, Geneva, vere closed. numerous co crested near 0). 0 The hail accu 0 ast of Creola. 0 Stockton exi 0 dale. 0	and Samso At Cottony unty and st 34.6 feet (1 0 amulated to 0 t. 0 t. 0	on. The Choc vood, several ate roads wer hird highest)	tawhatch families e floodec on Marcl	ee River at Geneva were evacuated. A 1. Between 300 and h 9. In Henry Coun Hail (1.00) es in places. Hail (0.88) Hail (0.88) Hail (1.00) Hail (1.00)	crested near 39. pproximately 17 400 homes wer
Mobile County Creola Baldwin County Stockton Washington County Fruitdale Escambia County Poarch Baldwin County Perdido Clarke County	feet on homes : damage to coun vest 05 Quarte: 05 Nickel 05 Quarte: 05 Dime s 05 Dime s 05	March 9. In sustained floc ed. The Choc ty roads alon 1303CST 1305CST r size hail wa 1325CST 1327CST to dime size 1330CST 1331CST size hail was 1430CST 1431CST size hail was 1 1430CST 1431CST size hail was 1 1430CST 1431CST 1431CST 1431CST 1605CST 1607CST	Houston Cou od damage. In tawhatchee R e was estimate f f s reported aro f hail was report f reported alon f f reported near f f reported near f f reported along f	Malvern, Slocor inty, 60 roads w n Dale County, iver at Newton ed near \$440,00 pund Saraland. rted just northea ng I-65 near the t south of Fruito Poarch. g I-65 near Perd	mb, Geneva, vere closed. numerous co crested near 00. 0 The hail accu 0 ast of Creola. 0 Stockton exi 0 dale. 0 0 dale. 0	and Samso At Cottony unty and st 34.6 feet (1 0 umulated to 0 t. 0 t. 0 0 0	on. The Choc vood, several ate roads wer hird highest)	tawhatch families e floodec on Marcl	ee River at Geneva were evacuated. A l. Between 300 and h 9. In Henry Coun Hail (1.00) es in places. Hail (0.88) Hail (0.88) Hail (1.00) Hail (0.75) Hail (0.75)	crested near 39. pproximately 17 400 homes were

		Time Local/	Path Length	Path Width	Numbe Perso		Estimated Damage	March 1998
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property Crops	Character of Storm
ALABAMA, Southy	vest							
		size hail was r	eported along	State Highway	/ 17, just north	of Butle	r.	
Clarke County								
Morvin	06 D:	1915CST 1916CST	Γ		0	0		Hail (0.75)
	Dime	size hail was r	eported near	Morvin.				
Mobile County	07	0000000	-			0		T • • • •
Mobile	throug	gh the area for	hing from a				in a fishing tourname e died before reaching	Lightning ent. Thunderstorms had been movin the hospital.
	M26B	0						
Mobile County Bayou La Batre	07	0900CST	•		0	0		Hail (0.75)
Dayou La Datre	07	0900CS1			U	U		Hall (0.75)
	Dime			Bayou La Batre				
Mobile County			•	-				
Dauphin Is	07	0900CST	ſ		0	0	2K	Thunderstorm Wind (G50)
		0901CST						
	A few	trees were blo	own down on	Dauphin Island	•			
Mobile County								
Countywide	08	0001CS7			0	0	1M	Flood
		2000CST	Ľ					
Baldwin County			_					
Countywide	08	0030CST			0	0	1M	Flood
		2000CST	L					
Conecuh County	00	0120007	-		0	0	300K	171 J
Countywide	08	0130CST 2000CST			U	0	JUUK	Flood
Escambia County		20000001						
Countywide	08	0130CST	r		0	0	1.5M	Flood
County white	00	2000CST			Ŭ	Ū	1.01/1	11000
Covington County								
Countywide	08	0145CST	7		0	0	6M	Flood
		2000CST	ſ					
Crenshaw County								
Countywide	08	0600CS7	[0	0	300K	Flood
		2000CST						
Butler County								
Countywide	08	1030CST			0	0	800K	Flood
		2000CST	ľ					

A slow moving complex weather system moved through southwest Alabama on March 8, bringing with it copious amounts of rainfall. The Mobile WSR-88D estimated rainfall totals of six to ten inches across the area on March 8 with Brewton recording 9.54 inches. Some areas in north Baldwin county estimated up to fifteen inches of rain with Covington county estimating up to twelve inches of rain. The heavy rains began on the evening of March 7 and continued through the night before tapering off on the afternoon of March 8. The heaviest rainfall fell from midnight until around noon on March 8. The heavy rainfall caused widespread flooding across the area. The flooding began in Mobile county and then spread east across Baldwin, Escambia, Conecuh, Covington, Crenshaw and Butler counties . Most secondary roads were completely washed out in these counties. Following are highlights of some of the damages in the affected counties:

Mobile... Flooding began in the west part of the county then spread east . The flooding generally took place along and north of I-10. The University of South Alabama measured a one hour rainfall of 3.06 inches ending at 1221 am, a two hour total of 5.12 inches ending at 1223 am and a three hour total of 6.54 inches ending at 122 am. Many streets were closed due to high water through most of the day on March 8. Many secondary dirt roads in the north part of the county were completely washed out. A male drowned near USA around 1230 am when he jumped in to rescue a stranded motorist. The motorist got to safety but the rescuer was swept away by the swift water and drowned. This is the third person to drown at this spot since May of 1997.

Baldwin...Most of the flooding took place north of I-10. Most of the secondary roads were washed out by the heavy rain. Many of the paved roads in the north part of the county remained closed until the evening of March 8, when the water finally receded.

Conecuh...Most of the secondary roads throughout the county suffered damage. Most were closed from early Sunday morning until the evening of March 8. Part of I-65 was covered with water for a few hours during the morning of March 8 and traffic had to be rerouted.

Escambia...Almost every road in the county had standing water in them. Many of the secondary dirt roads were washed out by the flooding. U S Highway 29 from Flomaton to Brewton was closed from the early morning until evening of March 8. Traffic had to

		Time	Path	Path	Number		Estimated	Ma	rch 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Person Killed	s Injured	Damage Property Crops	Character of Storm	
LABAMA, South	vest					-			
	be rer							d of 1990. After the flas	
								near Flomaton, the river	
								 On Murder Creek in llion dollars in damage. T 	
		ot on the river			t more an mou	sului plu	int and caused four ini	inon donars in damage.	ne ousines
								throughout the county suff	
		· ·	1 2					e evening of March 8. T	
								trailer park had to be evac oded street and his autor	
								hen he drove his vehicle a	
				in and his vel	nicle was carri	ed into tl	he lake. Like Escamb	ia county, residents say th	is was the
		flood they have		in the county	were washed o	ut Man	y of the primary road	ls also suffered major dan	ange IIS
								ed part of the highway to	
	away.	Schools acro	ss the county	were closed on	Monday becau	se of the	many dirt roads that y	vere washed out.	
								 Many paved roads in the second se second second sec	e same pai
	of the	county, genera	lly south of G	sreenville, suffe	ered major dama	age. Son	ne were closed throug	hout the day on Sunday.	
Conecuh County									
Paul	08	0050CST			0	0		Hail (0.75)	
	Dime	0051CST size hail was r		Paul					
Butler County	2	onde man was i	eponed neur						
Greenville	08	0103CST			0	0		Hail (0.75)	
	D:	0105CST		1 (5					
AT 70635064				g I-65 near Gree	enville.				
ALZ063>064	Lowe 08	er Mobile - I 0200CST		win	0	0	40K	Flood	
	00	0600CST			v	0	TUIX	11000	
								sion from Orange Beach t	
								over three feet around 20 the road. Highway 193 lea	
				blown across it				lie foud. Highway 195 for	iding to th
Covington County									
Andalusia	08	0200CST			0	0	1K	Lightning	
	Lighti	ning struck a tr	ailer and a ho	ouse near Andal	usia. Both horr	ies suffer	red only minor electric	cal damage .	
Covington County Andalusia	08	0400CST	,		0	0		Hail (0.75)	
Anualusia	00	0401CST			v	0		Han (0.75)	
	Dime	size hail was r	eported near	Andalusia.					
Covington County	00	0.400.007			0	0			
Lockhart	08	0400CST 0402CST			0	0	3K	Thunderstorm Wine	d (G50)
	Trees			n down near Lo	ckhart.				
Baldwin County									
Bay Minette	08 Lichte	0530CST		omoo in the De	0 V. Minotto anos	0 The str	20K	Lightning were both quickly put of	ut and anl
		damage occur		ones ni ule Da	y winnette area.	The su	likes started files that	were bour quickly put of	ut and om
Escambia County									
Brewton	08	1350CST			0	0		Hail (0.75)	
	Dimo	1351CST		northeast of Bre	uton				
Butler County	Dime	SIZE Hall was I	eponeu just i	iormeast of Bre	wion.				
Greenville	08	1435CST	1		0	0	3K	Thunderstorm Wind	d (G50)
		1437CST							-()
	Trees	and power line	es were blow	n down just wes	st of Greenville.				
Butler County	08	1520007			0	0		Upil (0.75)	
Greenville	00	1530CST 1532CST			U	U		Hail (0.75)	
	Dime			south of Greenv	ille.				

	S	torm I	Data a	nd Unu	sual W	eath	er Phenor	nena
		Time Local/	Path Longth	Path	Number		Estimated	March 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Person Killed	is Injured	Damage Property Crops	Character of Storm
ALABAMA, Southwe	<u>est</u>							
Crenshaw County	00	1/00/00			0	0		
Petrey	08	1600CST 1601CST			0	0	5K	Thunderstorm Wind (G50)
	fallen	trees.			ere also blown c	lown in	the area. A couple	of vehicles were also damaged by the
ALZ063>064	Lowe 17	r Mobile - I 1000CST 1700CST	ſ	lwin	0	0	30K	Flood
	near 4 thunde be clo	al FloodingS 5 knots, for s erstorms. Beau sed because of	outheast win several hours th erosion ag	. The winds wards wards and debris. The	were likely the om Orange Bea	result of ch to Da Drange B	f a Bubble High dev uphin Island. Eastbo leach were 4 to 6 feet	rms to 20 to 30 knots, with gusts to reloping behind the eastward moving und lanes across the causeway had to t above normal during this time. The
<u>ALASKA, Northern</u>								
AKZ001	Arcti 05	c Slope Coa 0900AST 1500AST	ſ		0	0		Blizzard
			occured at Po	oint Lay only, ur	nder east winds	gusting a	as high as 36 kts.	
AKZ007	Tana 17	na Valley 1300AST 1700AST			0	0		High Wind (G47)
			ed north acro		Range, producin	g strong	southerly winds for a	a time at Healy (maximum gust 47 kt)
AKZ009	St. La 22	awrence Isla 0300AST 1700AST	[Strait Coast	0	0		Blizzard
AKZ009	St. La 22	awrence Isla 0400AST 0600AST	г —	Strait Coast	0	0		High Wind (G49)
		ather Front mo	ved northeas			-	ringing Blizzard cond bell: 41 kt sustained,	litions to Savoonga, for several hours, gust 49 kt.
AKZ001	Arcti 24	c Slope Coa 0600AST	ſ		0	0		Blizzard
		1900AS rd Conditions oe Bay, Deadh	occurred in t		y Area with east	t winds §	gusting between 35 an	nd 40 kts. Conditions were reported at
AKZ007	Tana 25 27	na Valley 1800AST 0700AST			0	0		Heavy Snow
	A wea period 24-hou	kening low pr , resulting in a ur snowfall an	essure center large amour nount of 13 i	nt of snow right inches on the m	near the Canada	a Border 86th, and	The Alcan Border of another 8 inches on	tern Tanana Valley slowly during this Cooperative Observing Site reported a the morning of the 27th. Northway,
AKZ003-006-009>010	Lawr	ence Island	Bering Stu	ern Seward l rait Coast - Y			n Seward Peninsul	a-Eastern Norton Sound - St.
	blizza		f are center m zzard conditi	ons across muc				Blizzard g only slowly. This storm produced Romanzof (Zone 10), Nome (Zone 6),
<u>ALASKA, Southeast</u>								
AKZ025	08 09 Strong	0600AST 1100AST gap winds (k	r r nown locally		0 s) occurred in d			High Wind (G48)
	deep l		•					of a tight pressure gradient betwee ecorded during the event was 48

		Time	Path	Path	Numbe		Estimated	March 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Perso: Killed	ns Injured	Damage Property Crops	Character of Storm
ALASKA, Southern								
AKZ011-018>019	04 06 South mph a	1200AS7 1800AS7 easterly winds at Cold Bay V	Γ Γ ahead of a n Vednesday a	noderate fronta	0 l system gusted By Friday, the	0 up to 62 front had	d slipped east and se	High Wind (G54) ham, 44 mph at Port Heiden and 58 outheastextending from the Alaska
AKZ020	east so			of Kodiak Isla l area, early Fri		l gusts of	44 mph were reporte	ed just south of the Kenai Peninsula,
	07	0000AST 2300AST	ſ	extreme easter	0 m Aleutians c	0 oupled w	ith moderate high n	High Wind (G50) ressure across the western Aleutians
AKZ019	resulte West 12	ed in brisk nor ern Alaska 1 1200AST 2300AST	hwest winds Peninsula Γ Γ	across much of	the central Ale	eutians. G	Susts reached 58 mph	near Adak. High Wind (G45)
AKZ015>018	Thurs	day. Easterly	wind gusts re	ached 52 mph i	n advance of th	e front.		Alocko Popinsulo
ARZU13>018	16 18 Brisk mph a	0000AST 0300AST easterly winds at Portage betw roof damage,	Γ Γ preceded a v veen 7 and 8	igorous weathe am Tuesday, 6	0 er front as it pas 4 mph at radio	0 sed north station K	10K westward into the ma MXT in Kodiak wh	Alaska Peninsula High Wind (G58) inland of Alaska. Speeds reached 67 ich downed several trees and caused Middleton Island between 2 and 3pm
AKZ015	Cook 18	S Inlet 0000AST 2200AST			0	0		High Wind (G49)
	reache Orego	ontal winds cr ed gusts to 56 m. To a lesser	eated by a m mph. These extent, "me	winds are mai ountain wave"	inly due to "g conditions prol	ap" wind bably con	conditionssimilar tributed to the gusty	Sound and northwestern Cook Inlet to the Columbia Gorge conditions in winds. The gusty winds primarily th is at the outlet of Turnagain Arm.
AKZ020	20 21	tian Islands 1800AST 2100AST	Г		0	0		High Wind (G50)
				0	5		ne Kamchatka Penins urday just prior to fro	ula, brought strong southerly winds to ntal passage.
AKZ019>020	West 23	ern Alaska 1200AS	Peninsula -	Aleutian Isla	•	0	60K	High Wind (G87)
	The lo about mph. low, h vehicl Roofin chann	w then tracked 100 miles eas Initially, stron lowever, very s e and trailer of ng was also da elled and great	g low moved d northeast in t southeast of ng southeaste strong southw damage, dam maged. Win ly influenced	to Bristol Bay of f Bethel and hat rly winds prece- vesterly winds a age to houses d gusts in exce- by the surroun	early Tuesday, ad weakened to eded the storm affected the eas caused by win ess of 100 mph ding mountains	where it b 967mbs. gusting tern Aleut d-born de were repo . In Cold	began to weaken. B Very shortly after the as high as 88 mph a tians and Alaska Penie ebris, and blown out orted in the Dutch Ha Bay, structural dama	pening to 956mbs late Monday night. y Tuesday night, the low was located his time, winds diminished below 40 t Cold Bay. On the back side of the insula. Damage at Unalaska included windows to homes, cars and boats. rrbor/Unalaska area, where winds are ge occurred at several housing units.
AKZ017>020	27 30 A stronorthe weake preceed mph a	0000AST 1800AST ang 969mb low east corner of ening to a 1007 ded the storm, across the Aleu	r r y moved acro Bristol Bay mb center jus much strong ttians and 58	ss the central A very early Sun st west of Cape er northwesterly mph across the	0 Aleutians late F Iday. The low Spencer in Sou y winds were re e Alaska Penins	0 riday and then refet theast Ala eported al sula. Gus	early Saturdaywea ormed eastward into aska late Monday. V long the "back" side sts from 55 to near 60	a Peninsula - Aleutian Islands High Wind (G63) kening to 984mbs across the extreme the Gulf of Alaska Sunday, finally Vhile strong easterly winds to 50 mph of the systemreaching speeds of 73 0 mph were recorded around Kodiak
AKZ011-016-019>021		•	a - Bristol I		•		Sound on Sunday. ninsula - Aleutian	Islands - Pribilof Islands High Wind (G58)

		Time Local/	Path Longth	Path		iber of rsons	Estin		March 1998
Location	Date	Standard	Length (Miles)	Width (Yards)	Killed	Injured	Dan Property	Crops	Character of Storm
ALASKA, Southern									
	Matthey Very st	w Island early rong southeas	Tuesday as a s	trong 966mb ed the storm	center. Thegenerally	e low then c reaching gu	ontinued no usts from 40	rtheastwar) to 55 mj	ay and early Mondaytoward Sain d and slowly weakened late Tuesday bh. Strongest winds, however, were
AMERICAN SAMOA	•								
		ECEIVED.							
ARIZONA, Central an									
AZZ006-015>017	Grand 06 07	l Canyon C 1400MST 1000MST	ſ	tern Mogol	lon Rim - 0	Eastern 1 0	Mogollon 1 0	Rim - W 0	hite Mountains Winter Storm
	peak w were re Mogoll	ind just of 71 ecorded abov lon Rim recei	mph was record e 9000 feet ele	ded during the evation in the evation in the es of snow.	e early even e ski areas Flagstaff r	ning on Mar in the San eceived 8 in	rch 7 at Lake Francisco I nches of sne	e Montezu Peaks and ow during	espread winds of 20 to 35 mph. On ma. Snow totals of 14 and 18 inche the White Mountains. The easter the storm. The rest of the wester
AZZ008	Yayan	ai County I	Mountains						
	06	1900MST le wind gust t	ſ	ph), associate	0 d with sync	0 optic scale so	0 outhwest gra	0 adient win	High Wind (G62) ds, was recorded by a spotter in Lak
AZZ015>017	Weste 26 29	rn Mogollo 0200MST 2000MST		ern Mogollo	on Rim - ` 0	White Mo 0	untains 0	0	Heavy Snow
	At the 29th (1 breaking	Flagstaff airp 2.8 inches bro	ort, record 24-heaking a record a tion record set	our snowfalls set in 1967).	were recor Also at the	ded on the 2 Flagstaff ai	27th (6.6 inc rport, on the	thes, break 28th 1.13	nd heavy rain to the lower elevations ing the record set in 1970) and on the inches of precipitation was recorded welted quickly. The highest snow
			nt		ches				
			rie (7 N Flagsta Ski Area		ches ches				
					ches				
		Happy Ja		7 in	ches inches				
ARIZONA, Northwest	ļ								
AZZ031	Weste	rn Pima Co	•						
	06	1445MS		vost was race	0 rdad at tha	0 Loughlin D	ullhood oirro	ort oc o ctr	High Wind (G50) ong cold front passed.
AZZ003		west Desert		west was reco	ided at the	саидппп-ы	unneau anpo	nt as a su	ong cold nont passed.
ALLOUS	26	0100MST 1300MST	r r		0	0			Heavy Snow
									The Hualapai Mountain Park (6,50 nch of rain fell in Kingman.
Mohave County 10 W Kingman	28	1140MS	ſ		0	0	1K		Thunderstorm Wind
Mohave County	•	11 513 500			0	0			
3 NW Kingman			gusts destroyed						Thunderstorm Wind weather spotter's house 10 miles wes ghway 93 to the northwest of town.
Mohave County 5 E Bullhead City Arpt	U	1530MST			0	0	1	6	Funnel Cloud
5 E Bunneau City Afpt	<u> </u>	1535MST			U	U			

		Time Local/	Path Length	Path Width	Numb Perse		Estima Dama			March 1998
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	
ARIZONA, Northwest	t									
Mohave County 20 N Bullhead City Arpt	Severa five n	ninutes after a	Γ ted a funnel						Funnel Cloud Irew into the base o I Park Rangers nea	
ARIZONA, South	Cottor	wood Cove.								
AZZ019	06 07	nern Greenle 2000MS 1000MS thes of new sno	Г Г	ted at Hannagar	0 Meadow.	0			Heavy Snow	
AZZ019-029-033	Nortl 29 30	ern Greenl 0200MS 1500MS	ee - Southe Г Г	ast Pinal Cou	nty - Tucso 0	0			Heavy Snow	
ARIZONA, Southwest			us reported o		ind at Hanna	Buil Moude	on, while on	acto piera	ed up o mones.	
Maricopa County										
Mesa	06	2045MS 2050MS			0	0			Hail (0.88)	
	Weath	ner spotters rep	orted nickel-	sized hail in the	vicinity of M	lesa Drive	and Brown F	Road.		
Maricopa County Phoenix	26 Two f	1845MS		oy an NWS emp	0 loyee 5 to 7 n	0 niles north	west of 57th	Avenue	Funnel Cloud and Happy Valley R	oad.
Maricopa County Mesa Falcon Arpt	28	1600MS	Г		0	0			Funnel Cloud	
Maricopa County										
1 N Sunflower	cross evenii	a running was	Boy Scout t sh near Sunfl						Flash Flood from under them. T a throughout the af	
AZZ024		ern Gila/To 1800MS 0300MS	onto Nf Foo F	othills	0	0			Heavy Snow	
	A stro 6 pm near th	ng winter-like and 845 pm N	storm dump IST on the 29 levation. Tota	9th, about 3 incl al snowfall range	nes of snow f	fell across	the far west	portion o	ty and southern Gila of the Tonto Nationa o 4 inches below 500	l Forest Foothills
ARKANSAS, Central	and N	orth Cent	ral							

Searcy County 3 SE Witts Spgs	05	1205CST	0	0	Hail (
Van Buren County					
Alread	05	1400CST	0	0	Hail (
	Hail uj	p to nickel size covered the ground.			
Van Buren County					
10 W Clinton	05	1410CST	0	0	Hail (
Stone County					
3 W Mountain View	05	1420CST	0	0	Hail (
Boone County					
Gaither	05	1445CST	0	0	Hail (
Boone County					
Alpena	05	1445CST	0	0	Hail (
Marion County					
Fairview	05	1535CST	0	0	Hail (
Baxter County					· · · · · · · · · · · · · · · · · · ·
7 S Mountain Home	05	1550CST	0	0	Hail (

			an ul	nd Unu		, cutil				
		Time Local/	Path Length	Path Width	Num	ber of sons	Estim Dam			March 199
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	
RKANSAS, Centr	al and No	rth Centu	<u>al</u>							
Stone County 2 S Fifty Six	05	1630CST			0	0			Hail (0.75)	
Sharp County Ash Flat	the room	n at the time	ouse in Ash F e and was stru		tning bolt as				Lightning from one of the wall some minor burns to	
Conway County Morrilton	05	1725CST			0	0			Hail (0.75)	
Faulkner County Springhill	05	1730CST	.		0	0			Hail (0.75)	
Cleburne County Tumbling Shoals	05	1752CST			0	0			Hail (0.88)	
Pope County 2 W Atkins	05	1825CST			0	0			Hail (0.75)	
White County 3 N Searcy	05 Dime si	1845CST	ed the ground		0	0			Hail (0.75)	
White County Bradford	05	1857CST	-		0	0			Hail (1.75)	
Woodruff County Augusta	05	1900CST			0 ver. The only	0 v damage n	oted was sor	ne roof sh	Lightning ingles ripped off.	
Woodruff County Mc Crory	05	1915CST	-		0	0			Hail (0.75)	
Drew County 6 E Monticello	07	0915CST 0917CST			0	0			Hail (1.75)	
Calhoun County Hampton	07	1040CST	vered the grou	ma.	0	0			Hail (0.75)	
Polk County Cove	07	1210CST	1		0	0			Hail (1.00)	
Scott County 10 W Waldron	07	1245CST			0	0			Hail (0.88)	
Pike County 1 N Kirby	07 Shaarr	1405CST			0	0			Hail (0.75)	
ARZ007	outside	in the very c utdoors expo	ir overspread old weather.		in his wheel	chair and	was unable t	o get bacl	Extreme Cold as restricted to a whe k up into it. After a thermia.	
Jefferson County Pine Bluff	16 Heavy t	1945CST 2145CST		in Pine Bluff.	0 Savaral strad	0	derwater for	a period	Flash Flood	
Clark County Arkadelphia	19	0725CST		m i ne Diuil.	0	0	derwater 101	a period	Hail (0.75)	
Clark County Caddo Vly	19	0740CST	.	vn some power	0	0			Thunderstorm	Wind (G50)
Newton County Jasper	27	1415CST			0	0			Thunderstorm	Wind (G50)

									mena		
Location	Date	Time Local/	Path Length	Path Width	Per	ber of sons	Estin	age	March 1998		
		Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm		
<u>ARKANSAS, Centra</u>	l and N	orth Cent	ral								
Jackson County Newport Muni Arpt	27 Thunc	1913CS derstorm winds		airplane at the	0 airport in Ne	0 wport.			Thunderstorm Wind (G50)		
Johnson County Knoxville	30	2230CST	ſ		0	0			Hail (0.75)		
Johnson County Lamar	30	2230CST	ſ		0	0			Hail (2.75)		
Van Buren County 1 W Clinton	31 Thunc	0030CST derstorm wind		ne large tree lin	0 Ibs.	0			Thunderstorm Wind (G50)		
Saline County Paron	31	0130CST		C	0	0			Thunderstorm Wind (G50)		
Pulaski County				wn a few trees.							
Macon	31	0208CST	r		0	0			Hail (1.00)		
Lonoke County Austin	31 Sever	0230CS al large tree lin		cked down.	0	0			Thunderstorm Wind (G50)		
Lonoke County Lonoke	31 Thunc	0355CST derstorm winds		amper and the	0 roof of a bui	0 Iding.			Thunderstorm Wind (G50)		
ARKANSAS, East			e	I		e					
Cross County Wynne	05	2005CST 2010CST			0	0	0.75K		Hail (1.75)		
Craighead County Jonesboro	27	1700CST 1705CST	ſ		0	0	1K		Thunderstorm Wind		
Lamman Carrata	Some	trees were know	ocked down.								
Lawrence County Portia	27	2209CST 2215CST			0	0	0.01K		Hail (0.75)		
ARKANSAS, Northy	<u>vest</u>										
Washington County Greenland	05	1230CST	ſ		0	0			Hail (0.75)		
Madison County Wesley	05	1258CST	ſ		0	0			Hail (0.88)		
Madison County Huntsville	05	1325CST			0	0			Hail (0.75)		
Carroll County											
3 SW Eureka Spgs	southe low pr	ern Arkansas. ressure along t	ed over north Surface temp he front were	eratures on the	cool side of off the thund	the front in	n the 40s. U	nstable ai	Hail (0.75) forth of a surface stationary front over r aloft and the approach of a wave or nt. The only severe reports with these		
Sebastian County Ft Smith	07	1500CST	ſ		0	0			Hail (0.75)		
Crawford County Van Buren	07	1505CST	ſ		0	0			Hail (0.75)		
Washington County Lincoln	07 Pieces	1520CS s of barn on ro		ln	0	0	0.50K		Thunderstorm Wind		
Washington County Fayetteville	07	1535CS lowned on a ro			0	0	0.20K		Thunderstorm Wind		

A powerful early spring storm system moved across Oklahoma and Arkansas during the day on March 7. Severe thunderstorms developed during the mid-afternoon over extreme eastern Oklahoma and then moved into western Arkansas around 3:00 PM.

		Time Local/	Path Length	Path Width	Numbe Perso		Estimated Damage	March 199
ocation	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property Crops	Character of Storm
RKANSAS, Northw	<u>est</u>							
Sebastian County Ft Smith	19 Power	0251CST lines downed by	v tstm winds o	on west side o	0 f city	0	5K	Thunderstorm Wind
Crawford County 3 W Alma	19 Barn bi	0300CST lown down and	utility shed bl	own down	0	0	4K	Thunderstorm Wind
	of Mar	ch 19. The thu	nderstorms w	vere in advan	ce of a low p	ressure s		homa during the early morning hour the Red River. The storms entere
ARZ001>002- 010>011-019>020-029	Bento	n - Carroll - V	Washington	- Madison	- Crawford	- Franl	din - Sebastian	
	27	0800CST 1500CST			0	0	5.1K	High Wind
	northwe shower: Arkans: frequen gust for Power	estern Arkansas s. (The showe as.) For up to th it gusts over 40 the day of 45 n lines were blow:	during the l rs themselves uree hours in a miles an hour niles an hour, n down in Be	ate morning were non-se advance of the Gusts of 50 and the Fort	and early afte evere and did e showers, wid) to 60 miles a Smith Regiona	ernoon in not prod lespread g in hour w il Airport	advance of, but not luce cloud-to-ground gradient winds were s ere not uncommon. I had a peak gust for th	nds from the south developed across directly associated with, a band of lightning until they got into centr ustained above 30 miles an hour wit Fayetteville's Drake Field had a peal he day of 49 miles an hour.
Benton County	in Sprir	ngdale around 1	1:30 am.					
Siloam Spgs	30 Large t	2000CST tree blown down	in city park		0	0	0.10K	Thunderstorm Wind
Benton County Gentry	30 Power	2010CST lines blown dow	n near Gentry	y	0	0	2K	Thunderstorm Wind
Washington County Prairie Grove	30	2021CST			0	0		Thunderstorm Wind (G52)
Washington County Fayetteville	30	2024CST			0	0		Thunderstorm Wind (G52)
Benton County 1 S Gravette to .5 E Gravette	30	2025CST 2027CST	1.2	125	0	0	100K	Tornado (F1)
	area wo Other h 35 to 4	ere damaged wh nomes had mino 40 minutes. Do	en large trees r roof damage ors were blow	s blew over. e. High wind wn out of the	One of the ho s downed a po Hendren Plas	uses' occi ower line, stics plant	upants described the s which left the east si t on Hwy. 72 in east	arough Gravette. Three homes in the storm as sounding like a freight trait de of the city without power for about ern Gravette. A tree was blown on r tree was blown across Ridge Road.
Benton County Bella Vista		2035CST ous trees blown ets." Power line				0 Ig cited "t	35K rees down on cars,t	Thunderstorm Wind rees down on houses,and trees dow
Crawford County 8 S Mountainburg	30	2045CST			0	0		Hail (0.88)
Crawford County Van Buren	30 Near H	2056CST Iwy. 282 and I-5	40		0	0		Hail (0.75)
Sebastian County Hartford	30	2110CST netal blown off			0	0	0.20K	Thunderstorm Wind
Washington County 2 E Elkins	30	2115CST			0	0		Thunderstorm Wind (G52)
Madison County								

	S	torm I	Data a	nd Unu	sual W	eath	er Phenor	nena
		Time Local/	Path Length	Path Width	Number		Estimated Damage	March 1998
Location	Date	Standard	(Miles)	(Yards)		Injured	Property Crops	Character of Storm
ARKANSAS, North	iwest							
Madison County Huntsville	A solid pressur Oklaho	l line of thun e, moved into ma had a boy	nbs downed b derstorms co o western Ark v echo signati	vering the entir cansas around 80 are as it moved	00 PM on the e into Arkansas,	vening o causing	of March 30. The par many reports of sever	Thunderstorm Wind ed with a cold front and wave of low t of the line moving out of eastcentral te tstm winds. At the north end of this ge on the south and east sides of town
ARKANSAS, South	east							
Ashley County Fountain Hill	07 Golfba	0855CS ll size hail ac		ree inches deep.	0 The hail dama	0 ged roof	100K s of houses and auton	Hail (1.75) nobiles.
Ashley County Milo	07 Many I	0855CS houses and au	Г itomobiles we	ere damaged.	0	0	100K	Hail (1.75)
Ashley County Milo		0855CS ouses were da		our barns were	0 demolished.	0	75K	Thunderstorm Wind
ARKANSAS, South	west							
Little River County Foreman	05 Report	1550CS s of golfball		eived from Sher	0 iffs Office.	0		Hail (1.75)
Miller County			_					
Texarkana Lofovotto County	05	1630CS	ſ		0	0		Hail (1.00)
Lafayette County Lewisville	05	1707CS	ſ		0	0		Hail (0.75)
Lafayette County 4 S Lewisville	05 Vehicl	1710CS es travelling		had their wind	0 shields and ante	0 ennas bro	10K oken or damaged by h	Hail (1.25)
Columbia County 4 S Magnolia	05	1734CS	Г		0	0		Hail (1.75)
Columbia County Magnolia	05	1743CS	Г		0	0		Hail (0.75)
Columbia County 4 S Magnolia	05	1746CS	Г		0	0		Hail (1.75)
Columbia County Emerson	05	1756CS	Г		0	0		Hail (0.75)
Howard County 5 NW Nashville	07	0840CS	Г		0	0		Hail (0.75)
Union County 7 W El Dorado	16 A car t	1900CS		s it attempted to	0 cross over Par	0 kers Cha	apel Road.	Flash Flood
Miller County 4 SE Texarkana	31	0020CS			0	0	-	Thunderstorm Wind (G60)
CALIFORNIA, Ext	reme Sou	<u>itheast</u>						
CAZ030	28 An uns feet. S	now showers	T T old and strong s developed	late in the mor	ning at the hig	gher elev	vations of Joshua Tr	Heavy Snow A. Snow levels dropped to around 350 ee National Park and continued int
CALIFORNIA, Noi			and 2 inches o	ot snow fell at K	ey's View, elev	ation 52	200 feet, and 6 inches	at Covington, elevation 4000 feet.
CAZ016		al Sacrame 0001PS7 2359PS7	r -		0	0		Flood

31 2359PST Portions of Glenn and Colusa continued to suffer from inundation due to February rains (damage estimates are included in February report).

	S	Storm I	Data a	nd Unu	sual W	eathe	er Phe	non	nena	
		Time	Path	Path	Number		Estimate		М	arch 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Person Killed	s Injured	Damage Property	e Crops	Character of Storm	
CALIFORNIA, North	n Cent	ral								
Stanislaus County										
Newman	02 03	0001PST 0630PST			0	0			Urban/Sml Strean	ı Fld
	Heavy	rains, estima	ted around 2.	5 inches in 30 h d down State Ro		ough floo	oding to requi	re some	e evacuation of homes in	n the town of
CAZ013>014-064- 066>069	Coun	ty - Northe	ast Foothill Plumas Cou	s/Sacramento		therlode	/Camptonv		ar Lake/Southern L o Goverland - Mt Winter Storm	ake
	06 A very 2000 f	0200PST y cold storm b foot level were	rought snow a 2-6 inches, a		mulations at the	mountain			California. Snowfall a bund 12 inches. The sno	
Shasta County	23	1530PST	r.		0	0			Hearry Dain	
Countywide		2330PST	ſ						Heavy Rain	
Vala Country	Rainfa	all rates of 4 in	ches in 8 hou	irs caused muds	lides that closed	I Interstate	e 5 and six oth	er road	s in the county.	
Yolo County Davis	25	1250PST 1300PST			0	0	0	0	Funnel Cloud	
Solano County		1500151	L							
Vallejo	25	1400PS7 1410PS7			0	0	0	0	Funnel Cloud	
San Joaquin County Stockton	25	1445PST 1500PST			0	0	0	0	Funnel Cloud	
Solano County Vacaville	25	1500PST 1545PST			0	0			Tstm Wind/Hail	
					n reduced visibi nvolved a large			d as the	e major cause of three n	notor vehicle
CAZ013>014-066>069	Valle	y - Motherl							theast Foothills/Sac County - West Slope	
	Sierr 28	a Nevada 0001PST			0	0			Winter Storm	
			d whiteout co		osed Interstate asured in the high	U		. Snow	v accumulated as low as	1700 feet in
San Joaquin County 8 SE Tracy	28	1720PST 1725PST		10	0	0	1K		Tornado (F0)	
	The sr			d up 60 feet of	back fence on o	ne home l	ot.			
CALIFORNIA, North	<u>neast</u>									
CAZ072	05 06	ter Lake Ta 0640PST 0640PST	[: Arros 19 24 inc	0 ches above 7900	0			Heavy Snow	
CAZ071		en/Eastern I 0939PS7 0940PS7	Plumas/Eas โ		0	0			High Wind (G55)	
	Peak			e CA. No dama	ge reported.					
CAZ071	Lasse 27 28	en/Eastern I 0630PST 0630PST ur snow fall:	Plumas/Eas [[tern Sierra	0	0			Heavy Snow	

		Time	Path	Path	Numbe		Estimated	March 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Perso: Killed	ns Injured	Damage Property Crops	Character of Storm
CALIFORNIA, Nor	thwest		. ,			3	1 2 1	
CAZ003-076		n Coast Inte	rior - Men	docino Interior				
	05	1100PS7 1800PS7	ſ	C 11 1 2500 C	0	0		Snow
CA 7001-002 076				fell above 3500 fee			Mendocino Interio	-
CAZ001>003-076	06	0200PST 0700PST	r r		0	0 0	Mendocino Interio	r Freeze
	Mornii	ng low temper	ratures dipped	l into the upper 20	ls.			
Humboldt County 5 S Eureka	22 23	0700PST 1700PST			0	0		Urban/Sml Stream Fld
Trinity County								
Hayfork	22 23	0700PST 1700PST			0	0		Urban/Sml Stream Fld
Trinity County			_					
Trinity Center	22 23	0700PST 1700PST			0	0		Urban/Sml Stream Fld
		stream floodir d on the lower	0	Creek at Trinity C	enter and arc	ound Hay	yfork in Trinity County	. In Humboldt County, the Elk River
CAZ001-003		ood Coast ·		ast Interior				
	23	0100PST 1000PST			0	0		High Wind (G68)
			ith a strong c		it 60 mph ne	ar Hone	eydew, 78 mph at an au	tomated site above Maple Creek and
CAZ003-076				docino Interior				
	31	0400PST 1130PST			0	0		Heavy Snow
	-	cant late seas	on snows fel				•	ches of snow at Ridgewood Summit
			Ukiah. Num	erous locations rej	ported 3 to 5	inches of	of snow.	
CALIFORNIA, Sou								
CAZ020	Centr 13	al San Joac 1215PST			0	0		Flood
		2000PST	ſ		-			
		o locally heav WSW of Men		to 1" in less than	an hour wate	er moved	d over roadways in Nor	thwest Fresno Countyvicnity of 17
Fresno County	miles		iuota.					
5 N Kerman	13	1300PST			0	4		Hail (0.75)
	A	1310PST		orth toward Mad	ora Country	donositi	ng hail to a dopth of 7	" on the ground at points north and
	northe	ast of Kerman	n. The accom					ays sending 4 people to area hospitals
Madera County			_					
7 SE Madera	13	1345PST 1430PST			0	0		Urban/Sml Stream Fld
		ntial rain and	small hail wi				way 99 with water clos 7 miles southeast of M	ing the highway. Numerous vehicl e adera.
Kern County								
32 S Bakersfield	13	1430PST 1440PST			0	0		Hail (1.00)
		•	-	vay Patrol between orm to diminish.	n Laval Roa	d and th	e scales on Interstate-5	at the base of the grapevine. 40-50
Merced County								
Merced	24	1200PS7			0	0		Urban/Sml Stream Fld
	Torrer	2000PST ntial thundersh		ed over 25 surface	streets in Me	erced du	ring the afternoon of th	e 24th.
Merced County							-	
2 N Merced	24 Power	1400PS7 outage to 700		f PG&E	0	0		Lightning
	rower	outage to 700	s customers o	TOQL.				

		Time Local/	Path Length	Path Width	Number Person		Estimated Damage		March
Location	Date	Standard	(Miles)	(Yards)		is Injured	-	ops Cl	haracter of Storm
CALIFORNIA, South	n Centr	al							
Merced County	25	0200DCT			0	0			
1 SW Planada		0300PST (8) homes just ou cial rainfall of 1.							Flood yy shower/thundershower a
Merced County Merced	25	0530PST			0	0	9.6M 1	l.5M	Flood
	Over 6	1300PST 55 homes and 19	apartments w	vere flooded	in and around	Merced (City as the result	t of torre	ential/record-setting rainfal
		us 18 hours.	a band of the	inderstorms	that became ou	aci-station	ary in the previo	oue 12_1	8 hours brought flooding a
									lesday the 24th and locally
									nding by the morning of the part of town showed 6.8"
									airport for the 24th as a ca
									ater did not reach creeks u
									Over 1000 people were eva PST 3/25/98Black Rascal
	was co	ntributed 4449Cl	FS(148% capa	acity) early o	on 3/25 to Bear	Creek's t	otal. Damage fi	igures fo	r the 24th/25th assessed at
									e). This event in Merced Snelling, reached 5358Cl
	height	of 15.4' at 1800F	PST on 3/24/9	8 as a result	of the heavy r				the type of stream flows fi
CAZ022		ls of the S.Sierra ern Sierra Ne		5		Kings Ca	anvon		
	24	1200PST	uuu 105th	inte i (utioi	0	0	ing on		Heavy Snow
	25 Mamm	0600PST noth Mountain re	ceived 14-18'	of new sno	w overnight.				
Madera County									
5 WSW Chowchilla to 3 WSW Chowchilla	24	1346PST 1356PST	2	25	0	0	15K	30K	Tornado (F0)
									rd south of Highway 152 a immediately along Highw
									sses there was some damag
									building damage 2 miles d er to the northeast!
Madera County									
5 WSW Chowchilla	24 Strong	1355PST wind from a sev	vere thunderst	orm pushed	a trailer house	0 off of its	1.5K foundation as w	vell as da	Thunderstorm Wind (G amaging some dairy, calf s
		a $1/2$ mile north of							
Kings County 3 S Hanford to	24	1440PST			0	0	50K		Thunderstorm Wind
1 N Armona		1500PST							
		wind with a thur y. the power con							wn 32 power poles in north to 12 hours.
Kings County	,	, F	·F ···· , ···· ··					·r	
Lemoore	24	1445PST 1600PST			0	0			Urban/Sml Stream Fld
	A thun		t very heavy i	rain to the ci	ty of Lemoore.	The amo	ount of water over	erwhelm	ed the city drain system an
	went g	utter to gutter ac	ross downtow	n business a	rea streets. Re	ports of 1	.78" of rain occu	irred wit	h the thunderstorm's passag
Tulare County Porterville	24	1600PST			0	0	5K		Thunderstorm Wind
		1700PST		1 27				1.1	
		erstorm wind (es ville late in the af		ore than 37.	Kis) brought d	own pow	ernnes and dam	aged the	e roof of an elementary sc
Tulare County									
(Callering	24	1600PST			0	0	50K		Thunderstorm Wind
Tulare		1700PST							
Tulare	Thund	1700PST erstorm wind (es					• •	-	ms for 15,000 power custo ne Tulare area with the rai

		Time Local/	Path Length	Path Width	Number Persor		Estimated Damage	March	1 1998 1
Location	Date	Standard	(Miles)	(Yards)		Is Injured	Property Crops	Character of Storm	
CALIFORNIA, Sou	th Centra	<u>al</u>							
Kern County 5 E Maricopa			ed to runoff f			0 intains fl	lowing across Highwa	Urban/Sml Stream Fld y 166 east of Maricopa. The	
Merced County	closed	as a result of	the flooding.	No other dama	ige reported.				
Atwater			600 PST by	California High one of damage.		0 cates fur	nnel cloud sighted in A	Funnel Cloud twater. Reported to have tou	iched tł
Merced County 5 S Livingston	25 Spotter	1610PST report of fu		ouching the gro	0 und.	0		Funnel Cloud	
Merced County 3 NW Merced	25	1625PST]	buching the grou	0	0 f Merced	1.	Funnel Cloud	
CAZ022			Nevada-Yo	semite Nation				Heavy Snow	
CAZ024	Kern	County Mo	ountains	of new snow th	-		otter had 10" of new s	-	
	28 Snow r	0200PST 2359PST reports from s		ate that up to 14	0 inches of snow	0 fell dur	ing the day 4 miles we	Heavy Snow est of Tehachapi. Other repor	rts to th
Tulare County	An incl Mamm heavy s	ement weath oth Mountain now criteria	er period for in the high coccurred in C	country of Made	in of Central C ra County record , and 24 around	ded a to the 28th	tal of 34" of new snow	d extended to the 30th of the v over these 5 days. Snow ex- e 2800-foot elevation in CA Z	ceeding
5 SE Earlimart	28	0845PS7			0	0		Flood	
	impact		gain breached unity of Earl					and farm land. There was of widespread and heavy rain	
Kern County	20	1050000			0	0			_
Lamont		1050PST 2200PST levels in Cali into the creek] ente Creek ra	ised as heavy ra	0 in showers and	0 thunder	showers occurred in a	Urban/Sml Stream Fld nd around Lamont brought su	
Kings County									
1 SE Armona to 1 NW Armona	28 Observ	1332PST 1350PST red by 2 NWS		and spotter. Ha	0 il ranging in siz	0 e from 1	/4 to 1/2 inch occurred	Funnel Cloud 1 1 mile east of the funnel.	
Kings County Lemoore	28	1600PST	1 2	I	0	0		Urban/Sml Stream Fld	l
		1607PST hail (less that ore around 16	in 1/2") and	torrential rain a	accompanying		fternoon thunderstorm	led to street flooding in do	
Merced County Plainsburg	28 Hail le	1614PST ss than 3/4" i		nd funnel reporte	0 ed by Merced C	0 ounty Sl	heriff.	Funnel Cloud	
Madera County 5 NW Madera to 2 SE Chowchilla	28	1630PST 1650PST		c .	0	0	H'1 60' M'	Hail (0.75)	
Merced County	Spotter	report of 3/4	hail swath	trom northwest	to southeast alo	ng State	Highway 99 in Mader	ra County.	
5 S Merced	28 Spotter	1715PST report of 3/4			0	0		Hail (0.75)	

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Numb Pers Killed		Estima Dama Property		Marc ² Character of Storm	h 1998
CALIFORNIA, Sou	th Cent	ral						-		
Merced County 10 SE Merced to 11 SE Merced	28 Merce	1625PST 1633PST	1 I	1			l that hail wa	s large ar	Hail (1.00) Id deep enough to cause car	rs to slid
Madera County Chowchilla Arpt				U					Tornado (F0) feet, and then arced to sout epth in the area.	th before
Fresno County 3 SE (Fat) Air Terminal	0	U		1		0 ined debri	1K s down onto	a family	Lightning exiting the house below. N	o injurie
Fresno County Parlier	28 Repor Nume Merce minut	d and Madera (uring storm ch rms developed Counties. The hail of 1/2" d	ase. during the af tornado at th	0 ternoon hour e Chowchilla	a Airport o	occurred with	a severe	Lightning difornia and reached severe thunderstorm warning of at thwest Fresno County just	least 10
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	not reaching se rain accompan	vere size (3/4") ying the conve), the hail stac ctive activity	ked on the g	round up t plague and	to a couple of d delay ag fie	inches at	Urban/Sml Stream Flo onds, grapes, stone fruit, and sizes just less than 3/4" in d ons for cotton planting, cant	d lettuce. liameter. taloupes,

While not reaching severe size (3/4"), the hail stacked on the ground up to a couple of inches at sizes just less than 3/4" in diameter. Heavy rain accompanying the convective activity continued to plague and delay ag field operations for cotton planting, cantaloupes, and tomato processing. The damage in Fresno County was estimated at \$4.97M starting at Huron on the west side and progressing eastward through Sanger, Reedley, and Kingsburg. Further damage occurred in Tulare County where a band of damage occurred from mostly Visalia toward Exeter. The damage for 1,250 acres of hail-damaged plums was estimated at \$5M in Tulare County. Continued rain kept agricultural ground operations to a minimum with almost all application of herbicides, insecticides, and 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.

CALIFORNIA, Southeast

	NONE R	EPORTED.			
CALIFORNIA, South	west				
Orange County 8 W Huntington Beach	13	1710PST 1720PST	0	0	Waterspout
Orange County 8 W Huntington Beach to 8 SW Huntington	13	1712PST 1737PST	0	0	Waterspout

Beach

Unstable conditions associated with a low pressure trough dropping down the California coast, spawned two waterspouts off of Huntington Beach. The waterspouts came very close to offshore platforms, but no damage was reported. These were part of a family of at least 6 waterspouts which a pilot report indicated stretched from near Seal Beach to Santa Catalina Island.

		Time Local/	Path Length	Path	Number Person		Estimated Damage		March 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)		is Injured	Damage Property Crops	Character of Storm	
CALIFORNIA, Sou	thwest								
San Bernardino									
County					0				
Hesperia	14	1257PST 1302PST			0	0		Funnel Cloud	
		-off low press	ure center dr				awned convection over		Besides hail and
~ ~ ~	gusty	winds, one of	the squall line	es produced a fu	innel cloud nea	r Hesper	ia, which was visible f	for some 20 miles.	
Orange County San Clemente	25	1100PST			0	0		Heavy Rain	
San Clemente	20	1500PST			U	U		Heavy Kall	
Orange County									
San Clemente	25	1200PST 1600PST			0	0		Urban/Sml St	ream Fld
	A stro			trough moved	into southwest	ern Calif	ornia accompanied by	areas of heavy rain	n and snow in the
							vy in San Clemente a		
		5		r was gushing s s reporting flood			at it pushed parked ca	ars around and impe	eded uphill travel
CAZ055>056-058	•				-		ntains - San Diego	County Mounta	ine
CAL0552050-050	28	0000PST				0	intains - San Diego	Heavy Snow	
	29	0900PST						-	
CAZ042		ige County (n	0	0			
	28	1000PST 2200PST			U	U		High Wind (G	r01)
CAZ043	San I	Diego Count							
	28	1200PST			0	1		Wind	
C A 7059	Son I	1600PST Diago Count		NG					
CAZ058	28	Diego Count 2000PST		15	1	0		Cold	
	29	0800PST						cona	
C + 70 42	M240		G (
CAZ043	San 1 28	Diego Count 2030PST			0	5	300K	Small Hail	
	-0	2230PST			Ū	·	00011	Sinun mun	
Riverside County	• •								
Lake Elsinore	29	1250PST 1300PST			0	0		Dry Microbur	rst
San Diego County		1500151							
Dulzura	29	1508PST			0	0		Funnel Cloud	
	A daa	1513PST		a trough produ	and unusually	cold la	to concon winter stor	m conditions through	achout couthwas
							te season winter stor the twenty- eighth, and		
	twenty	v-ninth. Thirty	to forty mph	wind gusts wer	re reported alor	g the Or	ange County Coast m	uch of the twenty-ei	ighth. Peak gusts
							trees blew down onto		
							trong winds knocked damaged when wind		
							arage and took down p	• •	
	Althor	uch it was lata	in the season	this storm wa	, the coldest of	the onti	ra winter An illagal	immigrant diad of a	vnogura ogrly on
		-					re winter. An illegal	•	· ·
				-	•		ween 3000 and 5000 t		
	-	-			-	•	drifting and road clos	-	
					•	-	luced enough ice pell and strawberry crops,		-
	Deer S	Springs sent 5	people to area	a hospitals. In	a Lake Elsinor	e neighb	orhood, an apparent n	nicroburst uprooted	
0	two 20)-foot sections	of roofing til	es from a home.	A funnel clou	d was sp	otted that afternoon no	ear Dulzura.	
Orange County	31	0840067			0	A		Watermant	
1 SW Huntington Beach to	31	0840PST 0845PST			U	0		Waterspout	

Location Date CALIFORNIA, Southweet Corange County 1 N Huntington Beach 31 Orange County 31 Orange County 31 Orange County 32 Orange County 33 Orange County 31 Orange County 32 SSW El Toro Mcas 31	^{bate} St est 1	andard 1020PST 1024PST 1034PST	Length (Miles)	Width (Yards)	Persor Killed 0	15 Injured	Damage Property Crops	Character of Storm
Orange County 1 N Huntington Beach 31 Orange County 3 SSW El Toro Mcas 31 Orange County	<u>est</u> 1	1020PST 1024PST	(********)	(1803)		-injui (d	roperty Crops	
Orange County 1 N Huntington Beach 31 Orange County 3 SSW El Toro Mcas 31 Orange County	1	1024PST			0			
1 N Huntington Beach31Orange County33 SSW El Toro Mcas31Orange County		1024PST			0			
3 SSW El Toro Mcas 31 Orange County	1	1034PST			Ū	0		Funnel Cloud
		1038PST			0	0		Funnel Cloud
	1	1044PST 1054PST			0	0		Funnel Cloud
San Diego County 5 W San Onofre 31	1	1100PST 1110PST			0	0		Waterspout
Orange County 2 SE Seal Beach to 3 SE Seal Beach	1	1507PST 1515PST			0	0		Funnel Cloud
fu er w H	unnel clo nforceme aterspou lighway v	ud and water ent, lifeguard ts. One wate without causi	rspout deve s, and train erspout brien ng any dam	lopment off the ned spotters re fly hit the coast	Orange and r ported at leas	orthern S t 14 sig	San Diego County coa htings of funnel clou	storm, set the stage for widespr sts during the morning hours. L ds, at least two of which beca cly dissipated near the Pacific Co
CAZ060 A 31		nd Yucca V 1400PST 2000PST	alleys		0	0		High Wind (G44)
CAZ055 Sa		nardino Co 2000PST 2359PST	ounty Mou	ıntains	0	0		Heavy Snow
th	ne San B		ountains. V	ictorville report				he Victor Valley, and heavy snov o eight inches of snow had faller
CALIFORNIA, Upper								
Siskiyou County	•	12000007			0	0		и в:
	3 An intense						heavy rains around the ches by midday Friday	Heavy Rain e Mt. Shasta area Thursday and e
Siskiyou County	5			0 1	,		5 5 5	
Ft Jones2223	3	0800PST 0800PST .41 in during	past 24 hrs	i.	0	0		Heavy Rain
Siskiyou County								
	3 Rainfall 3	1600PST 1600PST .84 in during	*		0	0		Heavy Rain
re	eports rai	nged from 1.	5 to nearly		Scott Valley			ia on the 22nd and 23rd. Rain eams and rivers were near bankt
CALIFORNIA, West So	outh Ce	<u>entral</u>						
Los Angeles County Long Beach 13		1925PST 1930PST			0	0		Funnel Cloud
	A spotter	in the comm	unity of Loi	ng Beach report	ed a funnel clo	oud.		
San Luis Obispo County		1			~			
San Luis Obispo 24 25		1500PST 0700PST			0	0		Urban/Sml Stream Fld
Santa Barbara County Goleta 24 25		1500PST 0700PST			0	0		Urban/Sml Stream Fld

	S	torm D	ata ai	nd Unu	sual W	eathe	r Phenom	iena
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number Person Killed	s	Estimated Damage Property Crops	March 199 Character of Storm
CALIFORNIA, West	t South	<u>Central</u>						
Ventura County Thousand Oaks	24 25	2200PST 1345PST			0	0		Urban/Sml Stream Fld
Los Angeles County Burbank	25	0200PST 1700PST			0	0		Urban/Sml Stream Fld
	across Obispo reports	coastal areas v , the Pacific C of minor urba	vith up to fo coast Highwa n flooding.	our inches in th ay was closed Across Ventur	e mountains. Fo due to flooding a county, urban	ortunately, In Goleta flooding	the rainfall only can , the rain backed up	totals ranged from around one in used nuisance flooding. In San Lu o storm drains, producing numero communities of Ojai and Thousa n the Burbank area.
CAZ052>054	The S	anta Monica		ntains - Vent	-		ns - Los Angeles (County Mountains Excluding
				ow to the mou at Mount Bald		0 ern Califor	nia. At resort levels	Heavy Snow snowfall amounts ranged from o
CAZ052>054-059	Santa	Barbara Co	ounty Mou		tura County I	Mountaiı	ns - Los Angeles (County Mountains Excluding
	31	1200PST 2330PST			0	0		Heavy Snow
Los Angeles County	the mo signific in the f trees we	untains, Moun ant snow accu oothills of Pala ere reported do	t Wilson rep mulations w ndale. In fac	oorted 8 inches ere reported in	of snow while the foothills. La forced the closu nowfall.	Lockwood Canada re are of High	d Valley reported 9 ported 5 inches of sr	opped down to 2000 to 2500 feet. inches. With such low snow leve ow while up to 6 inches of snow f ale Boulevard to Aqua Dulce. Man
Santa Monica	31 A spot	1330PST 1340PST ter in the Santa	Monica are	a reported two	0 funnel clouds.	0		Funnel Cloud
CALIFORNIA, West	-							
	NONE	REPORTED.						
COLORADO, Centr								
COZ050	01	vick And Ph 1100MST 1500MST			0	0	0	High Wind (G59)
	High w	vind gusts of 6	2 mph and 6	8 mph (54 kts a	und 58 kts) were	e recorded	4 miles east of Haxt	un.
COZ033>034		t Ears & Me /Indian Pea		w Ranges/Ro	•			t County/Mosquito
	04	0000MST 1200MST			0	0	0	Heavy Snow
	Eldora	and Winter Pa	rk, 8 inches	at Arapahoe Ba	sin and Berthou	id Pass and	17 inches at Brecker	•
COZ035>036- 038>041-043	Footh Count Count	ills/Clear Cı ty/Boulder A ties/Castle R	eek Basin and Vicinit ock And V	- Eastern La ty - Denver N	rimer And N Ietropolitan thern Weld (orthwest Area - Ea County/G	ern Weld Counti astern Douglas A reeley And Vicin	
	Hosa E Collins	xit, 10 inches , North Thorr	ortions of th 3 miles wes iton and at \$	t of Evergreen, Standley Lake.	8.5 inches at E	Broomfield wfall totals	, 8 inches at Bailey	Heavy Snow included: 11 inches near the Chi with 7 inches 4 miles north of Fe inches. Several accidents occurr

	S	torm l	Data ar	nd Unu	sual W	eath	er Phe	nom	ena		
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number Persor Killed		Estimate Damage Property		March 1998 Character of Storm		
COLORADO, Centra	l and l	Northeast				-					
COZ033>036-038>041	Rabb Rang South Easte	it Ears & N e/Indian Pe ern Front 1 rn Boulder	aks - Northe Range Footh County/Bou Castle Rock	ern Front Ra uills/Clear C	ange Foothill reek Basin - icinity - Denv	s/Upper Eastern	Laramie An Larimer An	nd Cac 1d Nor	County/Mosquito he La Poudre River Basins - thwestern Weld Counties - astern Douglas And Western Winter Storm		
			om areas west		5 to the Contine eported along w				conditions developed. Two to 3 1/2 rridor.		
	Blackh Exit ar at Broo	awk, 31 incl d Nederland,	hes at Allenspa 25 inches at R wood, Table N	ark, 30 inches collinsville and	at Eldora, 29 i Gross Reservo	nches at 0 ir, 21 incl	Coal Creel Can nes at Evergree	nyon, 27 en, 20 in	s at Aspen Springs, 33 inches near 'inches at Conifer, the Chief Hosa ches at Carter Lake, 15 to 19 inches Elsewhere snowfall amounts ranged		
Denver County Denver	occup	ying, into a ne	nding a birthd eighbour's yarc		ise scraped the				Dry Microburst an inflateable playhouse they wer se, then landed in the adjoining yard		
COLORADO, East C	entral			· ·							
Cheyenne County 3 SE Arapahoe			ph thunderstor		0 lew small kitche allen drums roll		1K 30 feet into t	ree. Lif	Thunderstorm Wind (G70) ted children's wagon about 4 feet of		
COLORADO, South	Centra	l and Sout	theast								
COZ060>061- 065>066-070-074>075	La Garita Mountains - Eastern San Juan Mountains - Northern Sangre De Cristo Mountains - Southern Sangre De Cristo Mountains - Wet Mountains - Upper Huerfano River Basin/Walsenburg And Vicinity - Upper Purgatoire River Basin/Trinidad And Vicinity 06 0500MST 0 0 0 Winter Storm										
	the heat Snowf mounta Beulah	avy snowfall, all totals rang ains8 to 10	m moved acro strong gusty ged from 18 to inches at Cuo	winds at 15 to 26 inches at chara in the so	0 35 mph produ Wolf Creek Pa puthern Sangre	iced wide iss and th de Cristo	espread blowin e town of Cre mountains6	ng and c eede in t 5 to 8 in	he morning of the 7th. In addition to drifting snow across the mountains. he Eastern San Juan and La Garita iches in Westcliffe and at Rye and hern foothills, including Walsenburg		
COZ060>081	Alam South North Paso Easte Uppe Easte	osa County Iern Sangre Iern Custer County/Col rn Fremon r Purgatoir rn Las Ania	/Alamosa A De Cristo M Counties - 1 lorado Sprin t Counties/P re River Basi mas County	nd Vicinity - Mountains - ' Upper Arka Igs And Vici ueblo And V in/Trinidad - Kiowa Co	- Southern Sa Teller Count nsas River V nity - Northe /icinity - Upp And Vicinity	n Luis ' y/Ramp alley/Sa rn El Pa ber Huer - Crow County/I	Valley - Nor art Range/F lida And Vig aso County// fano River ley And Ote Las Animas	thern S Pikes Po cinity - Monum Basin/ ro Cou	y/Del Norte And Vicinity - Sangre De Cristo Mountains - eak - Western Fremont And Wet Mountains - Southern El nent Ridge - Pueblo And Walsenburg And Vicinity - unties/La Junta And Vicinity - icinity - Prowers		
	18	0000MS		- Data Cou	0	0	vicinity		Winter Storm		
	evenin The st snowfa include Luis V	g. Heavy sno orm shut dow all amounts ra ed: 1 to 4 incl alley with as	m system mov ow fell in many wn nearly all anged from 15 hes across the much as 10 in	y parts of south except emerge inches at the southwest mounches in Anton	a central and souncy services an Colorado Sprin intains with as ito, 4 to 12 inc	utheast Co nd caused gs airport much as 1 hes acros	blorado on the l numerous tr to 34 inches 2 inches at W s the southeas	18th thr affic acc near Mo Volf Cree t foothil	ig north central New Mexico by the ough the early morning of the 19th. cidents in Colorado Springs, where nument Hill. Other snow amounts ek Pass, 1 to 4 inches across the San Is and high valleys, 15 to 20 inches cross all of the southeast plains.		

	S	torm	Data a	nd Unu	sual W	eath	er Pheno	mena			
Location	Date	Time Local/	Path Length	Path Width	Number Persor	15	Estimated Damage	March 199 Character of Storm			
		Standard	(Miles)	(Yards)	Killed	Injured	Property Crops	S Character of Storin			
COLORADO, South (
COZ061-067-074>075							e/Pikes Peak - U sin/Trinidad Ai	pper Huerfano River			
	26	1300MS		inty - Opper	0		Sill/ I Thildad Al	Heavy Snow			
	27	0800Ms		m couthern N	wada aaroos so	uthorn Co	lorado the ofterno	on and evening of the 26th through t			
								and southeastern foothills. Across t			
						•		l of 11 inches, while Creede received			
		tallied 4 inc		nills, Trinidad	and walsenburg	g received	around 6 inches o	f snow, while Woodland Park in Tel			
COZ060>061-	•			ern San Juai	n Mountains	- Northe	ern Sangre De C	Cristo Mountains - Southern			
065>067-070>075	Sangre De Cristo Mountains - Teller County/Rampart Range/Pikes Peak - Wet Mountains - Southern El Pas										
	County/Colorado Springs And Vicinity - Northern El Paso County/Monument Ridge - Pueblo And Eastern Fremont Counties/Pueblo And Vicinity - Upper Huerfano River Basin/Walsenburg And Vicinity - Upper										
				idad And Vi			ver Dasiii/ waise	anourg And Vicinity - Opper			
	28	0000MS	ST		· 0	0		Winter Storm			
	30 A stroi	1500MS ng winter sto		ved from the C	Freat basin acro	ss souther	rn Colorado, bringi	ing heavy snow to the Eastern San Ju			
	and La	a Garita mou	intains on the	28th through m	idday of the 29	th. Wolf	f Creek Pass report	ted a storm total of 19 inches, and w			
			-					reported 9 to 10 inches of snow. T			
	storm continued to track east, bringing snow to the Sangre De Cristo mountains, the Wet mountains, Teller county, and the near foothills and plains on the 30th. Across this area snowfall totals ranged from 4 to 10 inches, with Woodland Park in Teller courses the state of the st										
		-			the southern S	angre de	Cristo mountains,	Beulah and Rye in the Wet mountain			
COLORADO, West	and w	alsendurg sa	w 8 to 10 inche	es of show.							
COZ004-010-012	Elkhe	ad And Pa	ark Mountai	ns/Flat Tons	/White River	Plateau	- Gore And Ell	k Mountains/Central Mountain			
002004 010 012							ins/Taylor Parl				
	04 05	0000MS 0000MS			0	0		Heavy Snow			
				about a foot	of new snow i	n most ne	orthern and centra	l mountain areas of western Colora			
							*	d 15 inches at Snowmass Ski Area.			
COZ004-009>010-012- 017>021-023								Battlement Mesas - Gore And E watch Mountains/Taylor Park			
0172021-025	Mountains/Central Mountain Valleys/Aspen And Vicinity - West Elk And Sawatch Mountains/Taylor Park - Uncompangre Plateau - Northwestern San Juan Mountains - Southwestern San Juan Mountains - Paradox										
	Valle	y/Lower D	olores River	- Four Corn				d Vicinity - San Juan River			
	Basin 05	Pagosa Sp/ 2000M	orings And V	/icinity	0	0		Winton Storm			
	03 07	2000MS			U	U		Winter Storm			
	A Pacific trough generally produced 8 to 12 inches of snow in most mountain areas of western Colorado as well as 6 to 10 inches in										
		some lower elevation areas of southwest Colorado. Heavier amounts included 23 inches at Purgatory Ski Area, 18 inches at Telluride Ski Area, 18 inches at Fish Creek just northwest of Rico, and 16 inches at McClure Pass. Strong winds caused areas of									
	blowin	ng and driftir	ng snow. Gust	•				as, while gusts of 40 to 50 MPH we			
CO7002		ed at lower e		Cueia Herd	on And Vicin						
COZ002	06	rai Yampa 2100MS		/Craig-Hayo	en And Vicir 0	шу 0	0.50K	High Wind (G72)			
	G (2130MS		110 /	. 1	ADII (70.1					
					e gusted to 83 M			a Valley Regional Airport near Hayde			
COZ010		•	-		tain Valleys/		•				
	08	1500MS	ST		1	0	-	Avalanche			
								v of the Aspen Mountain Ski Area at ertical feet. M43OU			
COZ001>002-007-				-				sin/Craig-Hayden And Vicinity			
009>010-012-018		-	-	0			lement Mesas -				
				-	spen And Vic	inity - V	Vest Elk And Sa	watch Mountains/Taylor Park			
	Norti 17	iwestern Sa 2000Ms	an Juan Mo ST	untaills	0	0		Winter Storm			
	18	2000MS	ST				a de la de la c				
		*						n Juan Mountains as well as the cent on areas of northwest Colorado, Gus			

An upper low and surface cold front produced 10 to 20 inches of snow in the northwest San Juan Mountains as well as the central mountains of western Colorado. 6 to 10 inches of snow also fell in some of the lower elevation areas of northwest Colorado. Gusty

		Time	Path	Path	Number		Estimated	March 1998			
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persor Killed	ıs Injured	Damage Property Crops	Character of Storm			
COLORADO, West											
	winds	s of 30 to 50 M	IPH produced	areas of blowir	ng and drifting s	now.					
COZ002				/Craig-Hayd	en And Vicin						
	25 26	2230MS			0	0	60K	Flood			
		0500MS asonably warn		s rapidly melte	d a large amou	int of sn	now at the headwater	s of Fortification Creek, resulting in			
								ents and garages flooded. Sections of			
		•	•	d 7 were washed	•						
COZ018>019				untains - Sou			n Mountains				
	26 27	1800MS 0600MS			0	0		Heavy Snow			
				n San Juan Mou	ntains with 6 to	10 inch	es of new snow. Tellu	uride Ski Area was the exception with			
	14 inches.										
COZ009-012-017>019	Grand And Battlement Mesas - West Elk And Sawatch Mountains/Taylor Park - Uncompahgre Plateau - Northwestern San Juan Mountains - Southwestern San Juan Mountains										
				untains - Sou	thwestern Sa		n Mountains				
	27 29	1600MS 0800MS			U	0		Winter Storm			
		A moist southwest flow produced 10 to 20 inches of snow over most central and southern mountain areas of western Colorado.									
		Some heavier amounts included 36 inches at Purgatory Ski Area, 31 inches at Coal Bank Pass, and 29 inches at Chattanooga near Red Mountain Pass. Wind gusts of 45 to 65 MPH were common in the mountains. Mount Abrams in the northwest San Juan									
			0								
		-	•	avy snow and av		•		ulted in over 50 known avalanches in			
Garfield County						j -					
6 E Glenwood Spgs	27	2200MS	T		0	1	20K	Heavy Rain			
		2215MS	-		1	D	1.1				
							ceived minor injuries.	n diameter smashed into two cars and			
COZ019		hwestern Sa		•	one person and	u dog i et	cerved minor injuries.				
	29	0200MS		untums	0	0	75K	Avalanche			
	An avalanche destroyed a cabin 7 miles north-northeast of Silverton near Gladstone. The lone resident of the cabin managed escape the ruins unharmed. At least 50 other avalanches were reported over the weekend in the San Juan Mountains.										
~~~~	-					-					
COZ004>005-010-018	Elkhead And Park Mountains/Flat Tops/White River Plateau - Upper Yampa River Basin/Steamboat Springs And Vicinity - Gore And Elk Mountains/Central Mountain Valleys/Aspen And Vicinity - Northwestern San										
		Mountains		k Mountains/	Central Mot	intain	vaneys/Aspen And	id Vicinity - Northwestern San			
	30	1500MS			0	0		Heavy Snow			
	31	0800MS						-			
		A Pacific low produced 6 to 12 inches of snow in some mountain areas of western Colorado. Heavier amounts included 18 inches at Vail Ski Area, 15 inches at Steamboat Springs Ski Area, and 13 inches at Telluride Ski Area.									
CONNECTICUT N.			inches at Ste	amboat Springs	Ski Area, and	3 inches	s at Telluride Ski Area	L.			
CONNECTICUT, No			1 1174 11								
CTZ002>004	Hart 08	ford - Tolla 1600ES		am	0	0		Heavy Rain			
	09	2200ES			U	U		meavy Ram			
CTZ002>004	Hart	ford - Tolla	nd - Windh	am							
	09	0800ES			0	0		Strong Winds			
		2200ES	ľ								
Hartford County West Hartford to	09	1300ES	г		0	0		Flood			
Southington	10	1300ES			U	U		Flood			
Windham County											
Warrenville	09	1600ES	Г		0	0		Flood			
CTZ002	Hart										
	11	1300ES			0	0		Flood			
	12	2300ES'		alowly porthog	at from the Ohi	o Volley	to the eastern Great I	akes brought strong winds and heavy			

A powerful storm system moving slowly northeast from the Ohio Valley to the eastern Great Lakes brought strong winds and heavy rainfall to Connecticut, which resulted in urban street flooding, basement flooding, small stream flooding, and main stem river flooding. At times, the rainfall was torrential, especially in thunderstorms during the evening of March 9th.

Rainfall totals of 3 to 5 inches were reported across northern Connecticut. Some of the greatest totals included: Storrs, 4.86"; Willimantic, 4.50"; South Windsor, 4.00"; Glastonbury, 3.86"; Woodstock, 3.80"; Wethersfield, 3.77"; Newington and Scotland, 3.60"; and Southington, 3.56". A new record daily rainfall total for March 9th was established at Bradley International Airport,

	Storn	n Data ai	nd Unu	sual We	ather	Phenomena	
Location	Time Local/ Date Standar	Path Length	Path Width	Number of Persons		Estimated March Damage	1998
CONNECTICUT,	Standard	d (Miles)	(Yards)	Killed Ir	jured Prop	perty Crops Character of Storm	
CONNECTICUT,	Windsor Locks,	with 2.40".					
	crested at 5.0 fe stage at 1:20 Pl March 9th. In crested at 8.5 fe The Connecticu	et at 9:45 PM and M on March 9th a Windham County et at 12:00 AM or t River reached fl	I then fell below at West Hartford , at Warrenville a March 10th, th ood stage of 16	7 flood stage at 1 d. Another unid e, the Mount Hop en fell below flo feet at Hartford	1:00 AM on entified strea pe River reac od stage at 6: at 1 PM on 1	d flood stage of 3.5 feet at 1:00 PM on March March 10th. One unidentified stream reached um reached flood stage in Newington at 1:25 P ched flood stage of 7 feet at 1:00 PM on March :00 AM on March 10th. March 11th, crested at 16.9 feet at 10 AM on M e at Simsbury crested at 11.7 feet at 9 PM on the	flood PM on h 9th, March
		l stage, which is 1		12ui. The Fain	ington Kiver	at Shilsbury crested at 11.7 feet at 9 FW on the	2 100
CTZ002	Strong south wi <b>Hartford</b>	nds occurred after	the passage of	a warm front du	ing the mid to	to late morning hours. Winds gusted to 40 to 55	5 mph
	19 1800	DEST DEST		0	0	Heavy Rain	
CTZ002>003	Hartford - To		parts of Hartford	0 County. A tota		hes fell at Hartford in about a 24-hour period.	
	22 0800 A strong very e coast on March Connecticut, wl inches occurred	DEST early Spring nor'ea 21st, passing to t nich was mixed w	the southeast of ith periods of sl gs, while some	l by a low press Cape Cod on M eet. Snowfall to other amounts in	farch 22nd. otals of 6 to 9	Heavy Snow which moved to the north-northeast from the Vi This storm brought heavy snow to parts of nor 0.5 inches were reported. The maximum total of ndsor, 8.5 inches; Unionville and West Hartfor	orthern of 9.5
CTZ002	Hartford 27 1543	BEST		0	0	<b>Record Warmth</b>	
CTZ002	On March 27th record for the c International Ai	late of 76 degrees	set back in 19 Locksthe mean	45. On March 2 n temperature for	28th, the war the day was	<b>Record Warmth</b> indsor Locks soared to 82 degrees, breaking th mest March day on record was recorded at Br 70 degrees, breaking the old record of 69 degre record of 83 degrees set in 1989 and prior year	radley ees on
CTZ002	Hartford	)EST		0	0		13.
	31 2359 Record warm te dam releases ca	<b>DEST</b> emperatures produ aused the Connec e flood stage into	ticut River to r	w melt across no ise above flood	orthern New H stage of 16 t	<b>Flood</b> England and the combined effects of rapid runo feet at 10 AM, March 30th at Hartford. The her information. Flood-prone land outside of	river
CTZ002	At 1:30 PM, th temperature rec 89 also shattere	ord for the month	of March. The	previous record f 71 degrees, se	was 87 degre t on March 3	<b>Record Warmth</b> s, reached 89 degrees. This set a new all-time rees set on March 30, 1977. The high temperatu 31, 1986. Also, at many weather stations, the n the season.	ure of
CONNECTICUT,	Northwest		-	-	·		
CTZ001	15 0000 During March					Winter Storm hwest Connecticut. The greatest snowfall occur reported across the county. Ten inches of snow	
CTZ001		)EST )EST		0	0	Wintery Mix	

During March 21 and 22, a coastal storm produced a mix of snow, sleet and freezing rain across Litchfield County. Snow totals in this region generally ranged from 1 to 3 inches before the precipitation changed to a mix of sleet and freezing rain.

		Time	Path Longth	Path	Numbe		Estimated	March 1998		
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Perso: Killed	ns Injured	Damage Property Crops	Character of Storm		
CONNECTICUT, No	orthwes	<u>t</u>								
CTZ001		1200EST 1900EST and of March w ced a persistent						Excessive Heat a pressure off the Mid-Atlantic coas ratures ranged from the upper 70s to		
CONNECTICUT, So		1 90.								
Fairfield County										
Countywide	09	0100EST 1800EST			0	0		Urban/Sml Stream Fld		
New Haven County Countywide	09	0100EST 1800EST			0	0		Urban/Sml Stream Fld		
New London County Countywide	09	0200EST 2000EST			0	0		Urban/Sml Stream Fld		
	Two low pressure systems formed along a front over the Southeast U.S. One low formed over the Western Gulf of Mexico at another formed off the Southeast U.S. Coast. As both lows moved north-northeast, they intensified. A strong moist east wind flo developed ahead of the approaching strong warm front. This system produced widespread heavy rainfall including thunderstorms that caused widespread urban and small stream floodir									
	A 250 foot stretch of Steamboat Road in Greenwich was closed due to flooding. The Still River in Danbury overflowed its' bank behind the Danbury Fair Mall and in back of Stew Leonard's on Federal Road. In Newtown, a dam split, causing the Pootatuc River to rise. Employees inside two mills along the river evacuated. In Naugatuck, water inundated several home basement Widespread urban and small stream flooding also occurred in New London County. Rainfall began around 1:30 pm on March 8th across coastal Connecticut and spread north by 5 pm. It became heavy and produce flooding at the times shown above. This system also produced strong wind gusts from 40 to 55 mph that in combination with the heavy rain caused some tree limbs fall along with scattered power outages. A vessel sank in the waters off Pear Tree Point Beach (Fairfield County) around 5:25 a on Monday, March 9th. Rainfall amounts generally ranged from around 2 1/2 to just over 4 inches. Here are selected rainfall amounts:									
	set at Bridgeport. The old record was 0.48 inches in 1995. o For New Haven County, from 3.19 inches at Ansonia to 4.10 inches at North Branford.									
CTZ006-008-010				2.95 inches at thern New Lo			t the Norwich Public U ew Haven	Julities. Flood		
	Two low pressure systems formed along a front over the Southeast U.S. One low formed over the Western Gulf of Mexico and another formed off the Southeast U.S. Coast. As both lows moved north-northeast, they intensified. A strong moist east wind flow developed ahead of the approaching strong warm front.									
	and sm	all stream flood	ding across	the area.	C			e river flooding and widespread urban		
						•		stage from 12:15 pm on March 9th rch 9th around 8:30 pm.		
	-					• ·		lood stage from 8 am on March 9th h 9th around 11:05 pm.		
	The Ya	antic River at N	lorwich (No	orthern New Los	ndon County) v	vas at or	above its' flood stage	from 8:30 pm on March 9th through		

			D. í			<u></u>			Manak 1000		
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Vorda)	Number Persons	8	Estimated Damage	Character of Storm	March 1998		
CONNECTICUT, So		Standard	(Willes)	(Yards)	Killed I	njured	Property Crops	character of Storin			
		n on March	10th. It crest	ed at 11.14 feet	(3.14 feet above	e its' flood	stage) on March 1	0th around 1:45 am.	The hardest hit		
	areas along the river reach were near Yantic Flats up to Fireman's Field. The river also overflowed its' banks further downstream in the Norwich Town Mall, which sent water into the parking lot.										
	Rainfall began around 1:30 pm on March 8th across Southern New Haven County and spread north by 5 pm. It became heavy an produced river flooding. Rainfall amounts generally ranged from 2 to 4 inches. Here are selected rainfall amounts:										
	o For New Haven County, from 2.87 inches at Milford to 4.10 inches at North Branford.										
Middlesex County	o For Northern New London County, from 3.31 inches at Jewett City to 3.89 inches at the Norwich Public Utilities.										
Countywide	09	1000ES			0	0		Flood			
	another	<b>1900EST</b> Two low pressure systems formed along a front over the Southeast U.S. One low formed over the Western Gulf of Mexico and another formed off the Southeast U.S. Coast. As both lows moved north-northeast, they intensified. A strong moist east wind flow developed ahead of the approaching strong warm front.									
	river fl due to Route	This system produced widespread heavy rainfall including thunderstorms that caused serious widespread urban, small stream, and river flooding. Twenty residents in Clinton, Middletown, Portland, Haddam, Durham and Middlefield had to evacuate their homes due to flooding. Torrential rain caused rapids to form on River Road in Middletown and caused a car to flip over in Cromwell at Route 3 and Sanford Lane. Parts of River Road were washed out. Significant flooding occurred in the area of Beaver Meadow Road, Candlewood Hill, and Hidden Lake. The Hidden Lake Causeway was closed to traffic for several hours because of flooding.									
		Rainfall began around 1:30 pm on March 8th across coastal Middlesex County and spread north by 5 pm. It became heavy and produced flooding at the times shown above. Rainfall amounts ranged from 3 to 5 inches across the County.									
	•	-	oduced strong ered power ou		n 40 to 55 mph	that in con	mbination with the	heavy rain caused so	ome tree limbs to		
<b>DELAWARE</b>											
Kent County Countywide	08	1100ES	Г		0	0		Heavy Rain			
	09	1000ES			Ū	v		iicavy Ram			
New Castle County Countywide	08	1100ES	г		0	0		Heavy Rain			
	09	1000ES			Ũ	0		IIcuvy Itum			
Sussex County Countywide	08	1100ES	г		0	0		Heavy Rain			
	09	1000ES						J			
New Castle County Coochs Bridge	09	0845ES	Г		0	0		Flood			
DEZ003>004	Inland 09	d Sussex - 1 0200ES 1000ES		eaches	0	0	0	Wind			
	-	southeast wi	nds preceding			•	n's warm front brou attered power outage	ight wind gusts as st	rong as 40 to 50		
New Castle County	mpn ac	. Sos Busser	county during	, are mot hun of	ale yai. Boille	idery sea	mered power outlage				
Coochs Bridge	19	0610ES 1045ES			0	0		Flood			

		Time	Path	Path	Number		Estimated	March	1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persor Killed	1s Injured	Damage Property Crops	Character of Storm	
DELAWARE									
	Rain b per ho Cooch 9.4 fe pumpo	began again ac bur) between 2 hs Bridge, the et at 730 a.m. ed in moisture	cross northern 2 a.m. and 6 a river was abo EST. The lo from the Gul	Delaware durin a.m. EST on the ve its 9 foot flo ow pressure syst f of Mexico and	g the evening of 2 19th. This wood stage from 6 2 m responsible 2 the Atlantic O	of the 18 yas too m 510 a.m. e for the Ocean into	th and fell at a moder nuch for the saturated until 1045 a.m. EST rain was in the Ohio	ristina River the morning of the ate clip (around two tenths of a ground and the Christina Rive the morning of the 19th. It cre Valley the morning of the 19t States. Storm rainfall totals inc ina.	in inch er. At sted at h and
New Castle County Coochs Bridge	21	0425ES	г		0	0		Flood	
Cours Bridge	A cou time to its floo ground had to Storm	<b>1200ES</b> ⁴ ple of hours of his month. He od stage of 9 ds from previo be closed. We totals include	<b>F</b> f heavy rain we eavy rain fell l feet. It crester bus heavy rain thile the heavy ad 1.20 inches	between 2 a.m. a d at 10.55 feet a as this month m y rain was over l s at Newark and	the Christina l and 5 a.m. EST t 7 a.m. EST at ade the Christin by daybreak, so 1 1.18 inches a	River to f and at 4 nd the riv na River ome linge at the Net	20 a.m. EST the Christ ver was back within flor respond rapidly. Sor ering light rain persiste	Castle County Delaware for the stina River at Coochs Bridge re bod stage at 905 a.m. EST. Sat ne low lying roadways near the d into the early afternoon on the bort. A low pressure system co	ached urated e river e 21st.
DEZ003>004	Inlan 21	nd Sussex - 1 1130ES		eaches	0	0		Coastal Flooding	
	the 21 Indian morni floodi paled that ca	st and the very n River Inlet ang high tide ong was limited in comparisonaused the mino	ure system he y early mornin nd 6.8 feet at n the 22nd. I to only a two n to the northe or tidal floodin	ng on the 22nd. Breakwater Ha Since the low n o tide cycle ever easters that batto	Tides averaged rbor during the noved quickly, at. Winds guste ered the region east from North	d between high tid winds sh ed to arou during 1	n 2.5 and 3.0 feet above. I.e. The highest tides the northwest tides to the northwest and 45 mph along the late January and early	igh tide during the early afterno re normal and reached near 5.2 in most areas occurred with the around sunrise on the 22nd and immediate shore, but these con February. The low pressure s on the 21st, to just east of Del	feet at e early d tidal ditions system
DEZ001>004	New 27	Castle - Ker 1000ES		Sussex - Dela	ware Beache 0			Ungeogenebly Worm	
	31 An ur March locatio tempe 30th a tempe	1800ES' seasonably w a 27th through ons across the ratures includ at the New Ca rature record	<b>F</b> arm air mass n March 31st. Middle Atlan ed 88 degrees stle County A originally set	The warmest tic States establ s in Georgetown irport not only on March 21, 1	brought record day was the 2 ished new Mar a and 86 degre established a n 948. New reco	29th for rch month es at the ew recor- ord high	coastal areas and the hly high temperature of New Castle County d high for the day, bu temperatures were se	Unseasonably Warm across the Delmarva Peninsula 30th for inland locations. S records. Across the state, the h Airport. The 86 degree mark it also tied the all-time monthly t at the airport on the 27th, 30 easonal levels in early April.	everal ighest on the y high
DEZ001>004	New	Castle - Kei	nt - Inland S	Sussex - Dela	•	-	<u>r</u>		
	Penins weigh norma	sula. This led ted average, r	that has persit to the Christ monthly precip on was greate	ina River in Ne pitation totals w	w Castle Coun vere between 5	ty reachi .1 and 5	ng flood stage three t .8 inches and average	<b>Unseasonably Wet</b> ably wet month across the Del imes during the month. On a bd between 1.1 and 2.4 inches ties and slightly less, but still	county above
DISTRICT OF COL	UMBL	<u>A</u>							
District Of Columbia East Portion	09	0500ES			0	0		Flash Flood	
	previo easter closed interse	ous week's rain n half of the n l a stretch of ection of Hele	mping rainfal ns, causing sp netropolitan ar Rock Creek n Boroughs a	ootty flash flood rea. Automobile Parkway betwe nd Kenilworth	ling and creatin e and rail traffi- een Virginia A Avenue NE. P	ng one of c slowed venue at Poor drain	f the slowest morning to a near standstill th nd P Street NW.	ed saturated soil conditions fro g commutes in some time acro rough mid to late morning. Fle ligh standing water also close poding in Anacostia. Minor fle	oss the boding ed the
DCZ001	Distr	ict Of Colu							
	11 13	0700ES 0700ES	Г		0	0		Unseasonably Cold	
	A seri	es of cold from	nts ushered in	only the second	d arctic air mas	ss of the	winter of 1997/98. T	he unseasonably cold air, arriv	ing on

		Time	Path			Estimated Damage			March 1998	
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Per: Killed	sons Injured	Dan Property	nage Crops	Character of Storm	
DISTRICT OF COL	UMBL	A								
	the he Japan damag noted Thoug	eels of a mild ar ese cherry trees ge was virtually to early bloomi	s, which had y unnoticed wh ng magnolia tr l temperature p	budded prema ten the final b rees.	turely due t looms appea	o the wet a ured during	mild condit the last we	ions in F ekend of	t of the year. Luckily ebruary, closed up er the month. Other mir 0s to around 40 and ni	hough such that nor damage was
DCZ001	27 31 After Under averag	rneath the high, ged in the mid 8	oudy, wet cond , very warm a 30s and nightti	nd dry weathe	r developed equally balm	- more like	e early June opper 50s to	e than late lower 60s	Unseasonably V of strong atmospheric March. Daytime his A new record high the the 1963 record by	c high pressure. gh temperatures was achieved on
	jam.								o full blossom, causing leaves within 5 days,	
FLORIDA, East Cen	tral									
Martin County Hobe Sound Osceola County	01	0010EST			0	0			Hail (1.00)	
Kissimmee		<b>0150EST</b> egory F2 tornad of the damage	to touched dov			<b>0</b> bart of Kissi	70K		<b>Tornado (F0)</b> or damage to about 4	0 mobile homes.
Brevard County Cocoa Beach	<b>09</b> Thun	<b>0220EST</b> derstorm winds		ees and damag	0 ed the roof c	<b>0</b> of a high sch	<b>50K</b> hool buildin		<b>Thunderstorm</b> a Beach.	Wind (G60)
Brevard County Patrick Afb	<b>09</b> Thun	<b>0229EST</b> derstorm winds		affic signals an	0 Id produced	<b>0</b> a gust to 74	<b>5K</b> mph at Pat		Thunderstorm	Wind (G64)
Okeechobee County 2 SW Okeechobee to 2 E Okeechobee	09	0320EST	4	100	0	10	5.4M	Ĺ	Tornado (F1)	
2 E Okeechobee	Okee		ng six busines	ses and nine h	omes. Thirte	en mobile l	homes and 1		The tornado moved a al vehicles were destr	
St. Lucie County 1 N Ft Pierce	build		ched down at ado then move					20 amus	<b>Tornado (F1)</b> ement park rides, blo overturned 8 planes	
Volusia County De Land	20	1456EST			0	0			Hail (1.25)	
Volusia County New Smyrna Beach	20	1510EST			0	0			Hail (1.00)	
St. Lucie County 12 W Ft Pierce	20	1605EST			0	0			Hail (1.00)	

# Storm Data and Unusual Weather Phenomena Time Path Number of Estimated M

		Time Local/	Path Longth	Path		ber of	Estimated	March 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Killed	sons Injured	Damage Property Crops	Character of Storm
FLORIDA, Northea	stern							
	3- Ham				r - Nassau	- Duval	- Union - Bradfor	d - Clay - St. Johns - Gilchrist -
035>038-040		hua - Putnan	0	- Marion	0	0	25 53 6	
	01 31	0001EST 2359EST			0	0	25.5M	Flood
	<b>T</b> ( 1	a 1. 1.		M (1 200)		d	1751 1	
Putnam County	Totai	flooding related	i to el Nino,	More than 2800	) nomes and	more than	175 businesses destr	oyea.
2 N Interlachen	08	1030EST	•		0	0	3K	Thunderstorm Wind
	Large	e trees were blo	wn down.					
Hamilton County	00	20055557			0	0	21/	Thursdongton Wind
Jasper	08 Large	2005EST e trees and powe		blown down.	0	0	2K	Thunderstorm Wind
<b>Gilchrist County</b>	U	1						
Bell	08	2115EST			0	0	5K	Thunderstorm Wind
	Roof	Damage						
Bradford County Starke	08	2140EST			0	0	1.5K	Thunderstorm Wind
Starke		e trees and pow		blown down.	U	U	1.51	Thunderstorm while
Union County								
Raiford	08	2140EST			0	0	1.5K	Thunderstorm Wind
	Large	e trees and power	er lines were	blown down.				
Alachua County Gainesville	08	2145EST			0	0	3K	Thunderstorm Wind
Gamesvine		e trees and powe		blown down.	v	U	JK	Thunderstorm wind
Baker County								
Macclenny	08	2145EST			0	0	2.5K	Thunderstorm Wind
Class Carrier	Large	e trees and pow	er lines were	blown down.				
Clay County Orange Park	08	2245EST			0	0	5K	Thunderstorm Wind (G60)
Orange Fark		aged signs.			Ū	Ū	011	Thunderstorm (Coo)
St. Johns County								
St Augustine Arpt	08	2250EST	•		0	0		Thunderstorm Wind (G60)
Flagler County	00	<b>3210ECT</b>			٥	0		H 1 (0.75)
6 W Bunnell Marion County	08	2310EST			0	0		Hail (0.75)
Countywide	18	1130EST	•		0	0	30K	Flood
	19	0200EST						
	Num	erous streets an	d roads were	closed.				
Marion County Anthony	19	0920EST			0	0		Hail (0.75)
Anthony				ep North of Silv		U		Han (0.75)
Marion County								
Ocala	19	1600EST			0	0	8K	Flood
	Heav	<b>2000EST</b> v rain caused a		nd to overflow a	nd flood a m	obile park		
FLORIDA, Northwe		<b>,</b>	···· · · ·					
Gulf County	<u> </u>							
Port St Joe	07	1402EST	0.7	.3	0	0	35K	Tornado (F0)
	Wata	1410EST		las east of Do	ut Ct. Ico. D	aaab C	ando moof lifted off	on basch side of History 09 Two
								on beach side of Highway 98. Two s reported water damage in the Port St
	-	-		land View areas	-			
Gulf County			-					
Port St Joe	07	1425EST			0	0		Hail (1.75)
	C 10	1431EST						

Golfball sized hail observed at beach just west of Port St. Joe.

	S	Storm <b>E</b>	)ata an	d Unu	sual W	eath	er Phen	omena	
Location	Date	Time Local/	Path Length	Path Width	Numbe Perso	ns	Estimated Damage	ODS Character of S	March 1998
		Standard	(Miles)	(Yards)	Killed	Injured	Property Cro	ops Character of S	torini
FLORIDA, Northwest	<u>.</u>								
Bay County Mexico Beach	07 Pabbl	1500EST 1505EST		ad in Mavico B	0 Reach and alor	0 g the Bay	-Gulf County line	Hail (1.00	))
Gulf County	1 0001					g the Day	-Ouri County Ini	с.	
Beacon Hill	08 Wata	1600EST 1605EST		.3	0	0	25K	Tornado	
Wakulla County	water	rspout came asi	nore at Sun Ra	y Court in Bea	icon Hill. A c	arport wa	s destroyed and n	umerous roofs were	e damaged.
Shell Pt	<b>08</b> 72 mj	1714EST oh wind gust re		Shell Point Sail	0 Iboard Club.	0		Thunders	storm Wind (G63)
Gadsden County Chattahoochee	<b>08</b>	1830EST er sized hail in			0	0		Hail (1.00	))
026>029-034	10 30 Calho inches Count sustain River forced along State 1 roads 2000 p Hope, rivers 100 fa were 0 feet of Flood Leon 0 Slough along Withla River Tayloo Waku crestee lowlan 50 to	of rain from y. In Calhoun hed flood dama at Blountstowr the evacuation the Apalachico Road 12 near C were closed wl people were ev and Cerro Go overflowed the milies fled floo closed. The wo h March 11. In waters engulfed County, Fairbai h. The Ochloo the Apalachico the Apalachico crested near 6 r County, Iowla lla County, flood d near 8.7 feet hd flooding occ	adsden, Gulf, March 8-9 cau County, 28 con age (57 in Blo h crested near 2 n of 200 resid ola River flood Concord. In G here water was racuated. In H rdo. Numerou bir banks which odwaters as the orst flooding w Lafayette Cou d High Smith F nks Ferry Roaa konee River c cola River fro Guwannee river 1.7 feet at Ella and flooding w oding of a few at Newport. I curred as the A businesses we	Holmes, Jacks used urban/sm. unty roads and untstown). The 27.2 feet (third ents. Numero led 40 to 50 h ulf County, no four feet deep lolmes County as county and a n closed 37 roa e Chipola Rivee vas along State inty, the Suwa Park and portion d (CR 12) as w rested near 21 m Bristol to 's merge. The aville on Marce 'as observed in roads and res Portions of Na ucilla River cr	0 son, Walton, a all stream flo State Road 6 he Chipola Ri highest) on N ous county and comes near For early 600 hon o in places. H f, flooding alo secondary roa dds and damage er overflowed highway 2 r nnee River created of feet at Bloo Lewis. In D Withlacooche h 18. Portion o Perry where idences in Sop tural Bridge I	0 and Jackso oding in 1 0 were clo ver at Alt March 13. I seconda rt Gadsde es sustain oward Cr ng the Ch ds were c ed 200 hd its banks. ear Camp sted near Park as v r roads be cham on 1 Madison – e River c s of the S rainfall w choppy v Road and 12.5 and d Ebro.	367M on counties were Bayou George ar used to flooding. ha crested near 3 In Dixie County ry roads were fle en and Bay City. Hed flood damage eek (pop. 400) er hoctawhatchee Ri closed. In Walton omes at Red Bay An estimated 14 bellton. The Ch 33.9 feet at Bran well as railroad tr ecome flooded. M March 12. In Lii County, water c rested near 82 fee Suwannee River there 3 to 5 inche where the river cr lowlands were fl 13 feet at Lamon	nd much of the nor Approximately 400 (1.2 feet on March 7, rising waters alon boded. In Franklin In Gadsden Coun e and more than 60 xperienced the wors ver forced evacuati n County, the Choc and Steel Field. In 40 residences were ipola River at Maria forfd and 14.9 feet acks and a municipa Minor flooding is of berty County, mino overed some unpa et at Pinetta on Mar State Park were clc so frain fell within rested on March 11. looded. In Jefferso nt. In Washington	saster areas. Nearly 6 th and northwest Bay homes and businesses 14. The Apalachicola g the Suwannee River County, rising waters rty, floodwaters closed county and secondary t flooding. More than ons in Westville, New tawhatchee and Shoal Jackson County, 75 to damaged and 40 roads anna crested near 24.1 at Wilcox on March 9. al park in Branford. In bserved along Munson or flooding is observed wed roads where the rch 15. The Suwannee sed to high water. In a 48-hour period. In . The St. Marks River n County, widespread County, approximately ads were closed. The
FLORIDA, Southern									
Collier County Naples to Naples Muni Arpt	Naple and d Lake	es Bay before d amaging anoth	ouched down lestroying 10 p er 30 mobile h ave blowing o	bool cages in F nomes. A 17 fo but three carpor	Royal Harbor. bot fishing bo rts. the path co	the tornae at was tos	do moved throug ssed up on the do	h Naples Land-Yac ock. The tornado me	(F1) tornado skipped across ht Harbor destroying ( oved through the Palm U.S. 41 decimating one
Collier County Immokalee	09	0350EST			0	0	100K	Thunders	storm Wind (G65)
		0405EST mokalee Regio away a feed and	onal Airport o		•	aircraft d	amaged. A metal	l building was also	damaged. One quarter

	S	Storm I	Data an	d Unus	sual W	eath	er Phenon	nena
		Time	Path	Path	Number		Estimated	March 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persor Killed	is Injured	Damage Property Crops	Character of Storm
FLORIDA, Southern								
Glades County								
Moore Haven	09 Wate	0335EST 0350EST		ke Okeechobe	0 e before movi	0 ng onsho	re Okeechobee county	Waterspout
<b>Broward County</b>	wate	rspout moved n		Ke Okeeenobe		ing offishio	ie okceenobee county	y -
Hallandale	09	0545EST 0610EST		30	0	0		Tornado (F1)
							d east nearly along H and several trees were	allandale Beach Blvd lifting near the downed.
Broward County Pembroke Pines	<b>09</b> Autor	0600EST mobiles were to		trees were do	0 wned.	0		Thunderstorm Wind (G70)
Dade County Opa Locka to	09	0600EST	4.5	30	0	0		Tornado (F1)
North Miami	09	0623EST		50	U	U		Tornado (FT)
	move tornae lines	d northeast thro do then took a were downed.	ough the 17000 path more towa Windows were	and 18000 bl ard the east as broken and	ocks of north I it moved to n signs were dar	Dade Cou ear Ives I naged or	unty to near Honey H Dairy Rd(NE 203 St) destroyed. A parked	as the Terry Lakes area. The tornad ill Dr(NW 199th St) and US-441. Th and I-95. Numerous trees and powe I tractor trailer was overturned on the ue to large fallen trees.
Dade County								
Opa Locka	09	0613EST			0	0		Thunderstorm Wind (G53)
Dade County Miami Beach	16	0900EST 1700EST			0	0		<b>Rip Currents</b>
	25 sw	vimmers were r	escued.					
Palm Beach County Delray Beach	17	0900EST 1700EST			0	0		<b>Rip</b> Currents
	3 swi	mmers were rea	scued. beach w	as closed.				
<b>Broward County</b>	•							
Coral Spgs to Pompano Beach	20 Wide	0030EST 0055EST spread tree dar		ed powerlines	0 s across northe	0 ern Browa	ard County. small pla	Thunderstorm Wind (G55) anes flipped at Pompano Airport. 11
		all support pole					, I	
Palm Beach County Lake Worth	23	1018EST			0	0		Waterspout
	Three	1030EST e waterspouts w		a pilot 20 mi	les east of Lake	e Worth.		
Palm Beach County		I · · · ·	· · · · · · · · · · · · · · · · · · ·					
Delray Beach	23	1330EST 1345EST	1	11.15.1	0	0		Waterspout
December 1 Comment	Iwo	waterspouts we	re reported by	a pilot 15 mile	es east of Delra	y Beach.		
Broward County Ft Lauderdale	30 31	0900EST 1700EST			0	0		<b>Rip Currents</b>
Dade County								
Miami Beach	30 31	0900EST 1700EST			0	0		<b>Rip Currents</b>
Palm Beach County	20	0000707	,		Δ	e		
Delray Beach	30 31	0900EST 1700EST			0	0		Rip Currents
				rip currents a	nd numerous r	escues al	ong southeast Florida	beaches.
FLORIDA, West Cent	<u>tral</u>							
Sarasota County								
25 SE Sarasota	01 03	0000EST 0800EST			0	0	0 0	River Flood

03 0800EST The Myakka River at Myakka State Park crested at 7.4 feet on the 1st, nearly one half foot above the flood stage of seven feet.

f	D i	Time Local/	Path Length	Path Width	Numb Perso		Estima Dama			March 199
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	
LORIDA, West Cer	ntral									
De Soto County										
1 W Arcadia	01	0000EST			0	0	25K	0	<b>River Flood</b>	
	03	0800EST								
	The P feet.	eace River alor	ng State Road	d 70 in Arcadia	crested at 12.	6 feet on t	he 1st, over o	one and a	half feet above the f	lood stage of 1
Polk County										
1 E Bartow	01	0000EST			0	0	0	0	<b>River Flood</b>	
	16 The P	0000EST eace River alor		1 60 in Bartow o	crested at 8.91	feet, near	lv one foot al	bove the f	lood stage of eight fo	eet, on the 1st.
Pasco County	1110 1		ig blate Hoat	. oo in Duitow (		1000, 1100				iet, on the 15t
18 W Zephyrhills	01	0000EST			0	0	10K	0	<b>River Flood</b>	
	28	2359EST								
									d a half feet above the	ne flood stage
	eight	feet, on the 24t	h. Minor flo	oding and wate	r damage occu	irred at a f	ish and traile	r camp al	ong State Road 54.	
Hernando County	01	0000ECT			0	0	0	10077		
11 E Brooksville	01 29	0000EST 0800EST			0	0	0	100K	<b>River Flood</b>	
				ested at 9.76 fe	et. less than a	a foot abo	ve the flood	stage of	9 feet, on the 3rd.	Crops were al
				g the banks of th						I
Citrus County				-						
1 N Citrus Spgs	01	0000EST			0	0	250K	0	<b>River Flood</b>	
	31	2359EST								
				vere flooded in				above the	flood stage of 29 fe	eet, on the 20
C:4	Three	success and sev	erai nomes v	vere mooded m	ule Rivel Lak		51011.			
Citrus County Holder	01	0000EST			0	0	500K	0	<b>River Flood</b>	
Holder	31	2359EST			U	v	2001	U	Kiver Floou	
									ige of eight feet, on t g State Road 200.	he 21st. Seve
Pasco County										
Trilby	01	0000EST			0	0	750K	0	River Flood	
	31 The V	2359EST Vithlacoochee		o 14.06 feet on	the 1st over	two feet	above the flo	ood stage	of twelve feet, whi	ch caused wa
		ge to properties			the 1st, over	1001000	ubove the m	Jou stuge	of twelve feet, will	en euusea wa
Hillsborough County			U							
Ruskin	01	0010EST			0	0	0	0	Hail (1.00)	
	Quart	er sized hail wa	as reported by	y the public on t	he 1500 block	c of Gulf C	City Road.			
Polk County										
18 S Mulberry	01	0100EST		5	0	0	0	0	Tornado (F0)	
	A sho	ort-lived and we	ak tornado w	as reported on	State Road 37	along the	Polk-Hardee	county In	ne by a Skywarn Spo	otter.
Polk County	01	011 <b>5</b> 567			0	0	0	0	<b>H</b> (1 (0 <b>7</b> 7)	
Ft Meade	01 Dime	0115EST sized hail was		Laurel Road by	0 the Ft Meade	0 Police Dei	0 partment	0	Hail (0.75)	
Sarasota County	Dime	siled hair was	reported on .	Sum of Frond of	ale i chieude	i once Dej	pullinenti			
Sarasota	01	0520EST			0	0	0	0	Hail (0.75)	
				he Sarasota Co	unty Emergen					
Manatee County										
Bradenton	01	0545EST			0	0	5K	0	Thunderstorm	Wind
	Thunc	derstorm winds	downed seve	eral large trees i	n the city of I	Bradenton.				
Sarasota County										
Sarasota	01	0545EST			0	0	5K	0	Thunderstorm	Wind
Samaada Crassia	inunc	uerstorm winds	uowned sev	eral large trees i	in the city of S	arasota.				
Sarasota County 2.3 ENE Sarasota	01	0600EST	0.4	20	0	0	500K	0	Tornado (F1)	
2.J LIVE SAFASOLA									ad 780 (Fruitville R	oad) in Sarase
									wall and reduced a p	
	of rub	ble. Six additi	onal classroo		nor damage f	rom the to			nd dissipated. A few	

tree limbs were downed by the tornado before it lifted and dissipated.

		Time Local/	Path Length	Path Width	Number Person		Estimate Damage		March 1998
Location	Date	Standard	(Miles)	(Yards)		injured	0	Crops	Character of Storm
FLORIDA, West Cent	ral								
Charlotte County 2 S Grove City	<b>01</b> Lightni	0715ES ng ignited a		ich burned five	0 acres at Lemon	<b>0</b> Bay Park	10K	0	Lightning
Hillsborough County 21 NE Tampa		0800ES 0800ES llsborough H	<b>Γ</b> River at Hillst	oorough State P	<b>0</b> ark crested at 1 ¹	<b>0</b> 0.85 feet,	20K nearly one fo	0 bot abo	<b>River Flood</b> ve the flood stage of ten feet, on the
Hillsborough County 21 SSE Tampa			Г		0 Little Manatee	0 River to	<b>0</b> crest at 11.87	0 7 feet, 1	River Flood nearly four feet above the seven for
Lee County Ft Myers	01	0850ES	Г		0 in the city of F	0 t Myers.	10K	0	Thunderstorm Wind
Citrus County 1 S Citrus Spgs	08	2210ES	Г		0	0	15K and damaged	0 a house	<b>Tstm Wind (G45)</b> e in Citrus Springs.
Pasco County New Port Richey			<b>F</b> 50 mph caus		-				<b>Coastal Flood</b> rest of U.S. Highway 19 in New Poi sable for several hours.
Pasco County 7 SW New Port Richey	08	2310ES	Г		0 rom a boat anch	0	0	0	Thunderstorm Wind (G50)
Pasco County New Port Richey	08	2315ES	Г		0	0	20K	0	Thunderstorm Wind and Ridge Road in New Port Richey
Pinellas County Palm Harbor	09	0000ES	Г		0 arge tree which	0	15K	0	Tstm Wind (G45)
Sarasota County Sarasota Arpt	Road a	t the northea	s overturned a st corner of th		lenton Internatio				Thunderstorm Wind tion on the 1200 block of Clyde Jone es and power lines were also downed
Manatee County Anna Maria					<b>0</b> erved by a Skyw	0 warn Spot	0 er. Several t	0 rees an	Thunderstorm Wind (G53) d power lines were downed on Ann
Hillsborough County 2 SW Tampa			Г	) mph damaged	0 carports and la	0 mais at N	<b>50K</b> Iacdill Air Fo	0 orce Ba	Thunderstorm Wind se and along Bayshore Boulevard in
Manatee County 8 SE Bradenton		0025ES	gusts of 67	mph were meas	<b>0</b> ured by a Skyw	0 varn Spott	0 er four miles	0 east of	Thunderstorm Wind (G58) the Sarasota-Bradenton Internationa
Sarasota County North Port	<b>09</b> Thunde	0035ES erstorm wind	Γ ls damaged tl		0 e mobile home: Lane and Eucli				Thunderstorm Wind the Park. Thirty large trees were als
Sarasota County Sarasota	09	0040ES	Г		0	0	5K	0	Thunderstorm Wind Hammock Place in Sarasota.

		Time Local/	Path Length	Path Width	Numbe Persor		Estimate Damag		March 1998
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	0	e Crops	Character of Storm
FLORIDA, West Cen	ntral								
Manatee County 4 NW Bradenton to 3 NE Bradenton	<b>09</b> Thunde lines in		inderstorm	winds also da	maged the ro	of of a ho	ome on 50th		Thunderstorm Wind and downed several trees and powe West along the Manatee River an
Pinellas County	damag	d a rew carpons	at the blac	low Brook Mo	one rionie i a	k in Enem	.011.		
St Petersburg	09	0100EST 0110EST			0	0	2K	0	Tstm Wind (G45)
		erstorm winds up hicle received gl				nd 19th Str	eets North in	St. Pete	ersburg.
Hillsborough County 2 NE Tampa to 1 S Tampa	09	0100EST			0	0	1M	0	Thunderstorm Wind
Ĩ	winds	also severely da	maged five	large stainles	ss steel juice	tanks and	caused mino	or damag	in downtown Tampa. Thunderstor ge to another two at Hookers Poir e from the thunderstorm winds.
Hillsborough County					<u>^</u>	0			
Татра	<b>09</b> Wind o Tampa		d hail punc	tured several v	0 windows on th	0 the 7th and	50K 8th floors of	0 the "Ol	Hail (0.75) d" City Hall building in Downtow
Manatee County									
7 E Bradenton	09 Thunde	0102EST erstorm winds re	moved seve	ral shingles fro	0 om the roof of	0 a structure	<b>2K</b> e on 10th Ave	0 enue Eas	<b>Thunderstorm Wind</b> t near Interstate 75 in Bradenton.
Polk County	Thund			iui siinigios iit		u sh uetare			
Winter Haven	<b>09</b> Half do	0112EST ollar sized hail w	as reported	near Cypress (	0 Gardens.	0	0	0	Hail (1.25)
Sarasota County Osprey		0115EST erstorm winds do metal facia and r							<b>Thunderstorm Wind</b> Creek Drive in Osprey. A few po
Hardee County 11 ESE Wauchula to 14.5 E Wauchula	09	0119EST 0124EST	5	75	0	0	75K	0	Tornado (F0)
Highlands County 5 SW Avon Park to 5 E Avon Park	09	0124EST 0135EST	10.5	250	0	0	437K	0	Tornado (F1)
	two mil	survey indicated	ty Road 67	l, in rural, sen	ni-wooded swa	ump and gr	assland of ea		Vauchula along Steve Roberts Road ardee county. The tornado produce
		nado continued t line into extreme					p and grassla	and of ea	stern Hardee county and crossed th
	The top			of Avon Park.	. Hundreds of	large trees	s were uproo	ted or sn	uncompleted "Sun 'n Lakes" hon apped half-way up from the base i e along Columbus Boulevard west
	develop the deve								
	develop the deve U.S. Hi The tor	elopment around ghway 27 in the	uncomplete	ed "Sun 'n Lake	es" subdivisior	1.	or roof and st	ructural	damage to a few homes, commercia

Babson	Park
--------	------

 09
 0121EST
 0
 0
 0
 0
 Thunderstorm Wind (G52)

 Thunderstorm wind gusts in excess of 60 mph were measured by a Skywarn Spotter.
 0
 0
 Thunderstorm Wind (G52)

		Time	Path	Path	Number of	f	Estimated	l		March 199
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed Inj	ured	Damage Property C	rops	Character of Storm	
LORIDA, West Cer	<u>ntral</u>									
Highlands County 1 W Avon Park	inters	ection of U.S.	rom a thunder Highway 27 i	n Avon Park. 7		nds blev	w from north n	orthwe	Thunderstorm d sheds along State 3 st to south southeast	Road 64 near t
Polk County 7 SE Lake Wales to 16 E Lake Wales	09 A torr Groun the ro widen Two r rails a concre the F2 resting Reside reside A stor Torna comm Aerial swam	0128ES 0137ES addo (F0) toud d survey indi ofs of a few ed to 250 yard nobile homes and tie downs tet, reinforced tornado on la g place by the ents along Do at on Doherty rage facility w do ground sur ercial structur survey indic pland where i	<b>F</b> 10.4 <b>F</b> Ched down in cated that the homes and do ls and intensif that took a di intact. Mea cinder block Doherty Drive tornadic wind herty Drive r Drive was tos vith unsupport vey indicated e and exert ex- ated that the fit t caused seven	250 rural semi-woo tornado moved wned trees and ied to F2 streng rect hit from th nwhile, in close walls and a hip . A pick-up tr eported the sou sed over 50 fee red cinder block that a large ten to treme pressure of cornado weaken re damage to a	0 ded swampland, a northeast across branches in the th where it destro are F2 tornado alor e proximity to th roof, suffered mi uck parked adjac and of the tornad t into the street fr c walls and a hig foot plus wide wo on the outer load red to F1 strength	4 seven m Lake-Ir Oakwoo yed or s ng Dohe e crushe nor stru ent to th o resem om his r h unsup bod door bearing n and co es, barns	2M hiles southeast h-The-Water R od Drive subd everely damag erty Drive wer ed mobile hom ctural and roof he well-built h bled that of a mobile home th oported roof sp entrance failed walls which co ontinued north	0 of Lak oad an ivision ed seve e comp nes, a fing tild ome w large nat was ban wa d and a bllapsee east ac	Tornado (F2) e Wales in Southwe d caused sporadic n . The tornado cont eral structures along bletely disintegrated well-built home, wi e damage after takin ras pushed 30 feet f freight train. One f destroyed by the tor s demolished by the llowed the tornadic d outward.	ninor damage to inued northeas Doherty Drive with only fran th rebar-poure g a direct hit b rom its original severely injure mado. e tornadic win- wind to enter the ad semi-woode
	it lifte The to severe poles,	d and dissipat ornado in all d ly damaged fo downed num	ed along the setroyed or se pur commercia erous power li	outhwest shore overely damaged al buildings and ines and uproote	of Lake Kissimm twelve homes, ca damaged two rec	ee. aused m creationa veral lar	oderate to slig al vehicles. Th ge trees. Torn	ht dam le torna ado da	apped tree tops and age to an additional do also snapped sev mage to structures v lars.	fourteen home eral large pow
Sarasota County Manasota	09	0130ES 0140ES			0	0	75K	0	Thunderstorm	Wind
Charlotte County	Thune	lerstorm wind	s damaged po	rch enclosures of	of ten to fifteen m	obile ho	omes on the 61	00 bloo	ck of Manasota Key	Road.
Englewood to Port Charlotte	Charl	otte. Most of	<b>F</b> Is downed sev the wind dam	age occurred fr					Thunderstorm obile homes from E where roof, soffit and	nglewood to P
Manatee County	mater	ials were ripp	ed from mobil	e homes.						
27 E Bradenton	09 10 The N seven		Г	lead along State	0 e Road 64 crested	<b>0</b> 1 at 7.98	<b>0</b> 8 feet on the 1	0 Oth, ne	<b>River Flood</b> early a foot above th	ne flood stage
De Soto County 1 W Arcadia	10 14	0800ES 0800ES	Г		0	0	20K	0	<b>River Flood</b> foot above the flood	

		Time Local/	Path Length	Path Width	Number Persor		Estimate Damag		March 1998
Location	Date	Standard	(Miles)	(Yards)		Injured	0	Crops	Character of Storm
FLORIDA, West Cen	<u>ıtral</u>								
Pasco County									
Countywide	19 20	0300EST 2000EST			0	0	1.5M	0	Flood
				flooding to hom	es, roadways a	nd low-ly	ying areas from	n New	Port Richey to Zephyrhills and Dad
		n Pasco county e Road of Zepł		n 100 homes we	ere damaged fro	om flood	waters, primar	ily in tł	ne Timber Lake Estates along Morri
Polk County	10	0000507			0	•	0	0	
1 E Bartow	19 31	0800EST 2359EST			0	0	0	0	River Flood
				d 60 in Bartow c	crested at 8.85	feet, near	ly one foot abo	ove the	flood stage of eight feet, on the 24th.
Hillsborough County									
21 SSE Tampa	19	0800EST			0	0	750K	0	River Flood
	24 In Hill	0800EST		une coured the I	ittle Manatee	Diver to	creat at 18.7 fe	at nam	ly eight feet above the flood stage of
									from the floodwaters.
Manatee County			8		8				
27 E Bradenton	19	0800EST			0	0	100K	0	River Flood
	24	0800EST			D 174	1 . 10	00.0	20.1	
				U					hich tied its record crest. The 18.0 e occurred to State Road 64 from th
	floody		ieven ieet at	ove the nood su	age of seven.	Significal		uamag	e occurred to State Road 04 from th
Hillsborough County									
13 SE Tampa	19	0800EST	•		0	0	375K	0	River Flood
	25	0800EST		17.70	C ( 1 C	C ( 1			
				River were dama			ove the flood	stage of	13 feet, on the 21st. Several renta
Hardee County	nomes	s along and nea	u uic Aialia	River were dam	aged by noodw	aters.			
1 N Zolfo Spgs	19	0800EST			0	0	0	0	River Flood
In Lono Spgo	27	0800EST							
	The Pe	eace River at Z	Zolfo Springs	s crested its bank	s. The height	of the cre	est was not me	asured o	lue to gage equipment failure.
De Soto County	10	0000507			0	0	114	0	
8 WSW Arcadia	19 27	0800EST 0800EST			0	0	1M	0	River Flood
			Arcadia cres	ted at 16.22 feet	, over four fee	t above it	ts flood stage of	of twelv	e feet, on the 22nd. The floodwater
	The H	lorse Creek at							e feet, on the 22nd. The floodwater nderwater at Horse Creek.
Sarasota County	The H damag	lorse Creek at ged several hor	nes in the Hi		division and a p	portion of	f State Road 72	2 was ui	nderwater at Horse Creek.
Sarasota County 25 SE Sarasota	The H damag 19	lorse Creek at ged several hor 0800EST	nes in the Hi						
e e e e e e e e e e e e e e e e e e e	The H damag 19 31	lorse Creek at ged several hor 0800EST 2359EST	nes in the Hi	dden Acres subo	division and a p 0	portion of 0	f State Road 72 200K	2 was ui 0	nderwater at Horse Creek. River Flood
e e e e e e e e e e e e e e e e e e e	The H damag 19 31 The M	lorse Creek at ged several hor 0800EST 2359EST Iyakka River a	nes in the Hi , , , , , , , , , , , , , , , , , , ,	dden Acres subo	division and a p 0 at 10.57 feet o	ortion of 0 n the 22n	f State Road 72 <b>200K</b> ad, over three a	2 was un 0 und a ha	nderwater at Horse Creek.
e e e e e e e e e e e e e e e e e e e	The H damag 19 31 The M	lorse Creek at ged several hor 0800EST 2359EST Iyakka River a	nes in the Hi , , , , , , , , , , , , , , , , , , ,	idden Acres subo ate Park crested	division and a p 0 at 10.57 feet o	ortion of 0 n the 22n	f State Road 72 <b>200K</b> ad, over three a	2 was un 0 und a ha	nderwater at Horse Creek. River Flood
25 SE Sarasota	The H damag 19 31 The M feet. ( 19	lorse Creek at ged several hor 0800EST 2359EST Iyakka River a Over 20 homes 1355EST	nes in the Hi t Myakka St s downstrean 0.3	idden Acres sub ate Park crested n were damaged	division and a p 0 at 10.57 feet o from the flood 0	ortion of 0 n the 22n waters of 1	f State Road 72 200K ad, over three a f the Myakka F 350K	2 was un 0 und a ha River. 0	nderwater at Horse Creek. River Flood If feet above the flood stage of seven Tornado (F1)
25 SE Sarasota Manatee County	The H damag 19 31 The M feet. ( 19 A shore	torse Creek at ged several hor <b>0800EST</b> <b>2359EST</b> Iyakka River a Over 20 homes <b>1355EST</b> rt lived tornado	nes in the Hi t Myakka St s downstrean 0.3 o destroyed a	ate Park crested n were damaged a mobile home a	division and a p 0 at 10.57 feet o from the flood 0 nd six to sever	ortion of 0 n the 22n waters of 1 n barns at	f State Road 72 200K ad, over three a f the Myakka F 350K t the Charlotte	2 was un 0 und a ha River. 0 Horse I	nderwater at Horse Creek. <b>River Flood</b> If feet above the flood stage of sever <b>Tornado (F1)</b> Ranch on State Road 70 near Myakk
25 SE Sarasota Manatee County Myakka City	The H damag 19 31 The M feet. ( 19 A shore	torse Creek at ged several hor <b>0800EST</b> <b>2359EST</b> Iyakka River a Over 20 homes <b>1355EST</b> rt lived tornado	nes in the Hi t Myakka St s downstrean 0.3 o destroyed a	ate Park crested n were damaged a mobile home a	division and a p 0 at 10.57 feet o from the flood 0 nd six to sever	ortion of 0 n the 22n waters of 1 n barns at	f State Road 72 200K ad, over three a f the Myakka F 350K t the Charlotte	2 was un 0 und a ha River. 0 Horse I	nderwater at Horse Creek. River Flood If feet above the flood stage of seven Tornado (F1)
25 SE Sarasota Manatee County Myakka City Manatee County	The H damag 19 31 The M feet. ( 19 A shore City.	lorse Creek at ged several hor <b>0800EST</b> <b>2359EST</b> Iyakka River a Over 20 homes <b>1355EST</b> rt lived tornado A 23 year-old	nes in the Hi t Myakka St s downstrean 0 dostroyed a man was inj	ate Park crested n were damaged a mobile home a	division and a p 0 at 10.57 feet o from the flood 0 nd six to sever killed when the	oportion of 0 n the 22r waters of 1 n barns at e tornado	f State Road 72 200K ad, over three a f the Myakka F 350K t the Charlotte destroyed the	2 was un 0 and a ha River. 0 Horse I re mobil	nderwater at Horse Creek. <b>River Flood</b> If feet above the flood stage of seven <b>Tornado (F1)</b> Ranch on State Road 70 near Myakk le home and pickup truck.
25 SE Sarasota Manatee County Myakka City	The H damag 19 31 The M feet. ( 19 A shor City 19	lorse Creek at ged several hor <b>0800EST</b> <b>2359EST</b> fyakka River a Over 20 homes <b>1355EST</b> rt lived tornado A 23 year-old <b>1400EST</b>	nes in the Hi t Myakka St s downstrean 0 0.3 o destroyed a man was inj	ate Park crested n were damaged a mobile home a ured and his cat	division and a p 0 at 10.57 feet o from the flood 0 nd six to sever killed when the 0	0 0 n the 22r waters of 1 n barns at e tornado 0	f State Road 72 200K ad, over three a 5 the Myakka F 350K t the Charlotte destroyed ther 25K	2 was un 0 und a ha River. 0 Horse I re mobil 0	nderwater at Horse Creek. <b>River Flood</b> If feet above the flood stage of sever <b>Tornado (F1)</b> Ranch on State Road 70 near Myakk le home and pickup truck. <b>Thunderstorm Wind</b>
25 SE Sarasota Manatee County Myakka City Manatee County	The H damag 19 31 The M feet. ( 19 A shor City 19 Thund	lorse Creek at ged several hor <b>0800EST</b> <b>2359EST</b> fyakka River a Over 20 homes <b>1355EST</b> rt lived tornado A 23 year-old <b>1400EST</b> lerstorm winds	nes in the Hi t Myakka St s downstrean 0 0.3 o destroyed a man was inj s estimated a	ate Park crested n were damaged a mobile home a ured and his cat	division and a p 0 at 10.57 feet o from the flood 0 nd six to sever killed when the 0 by the public ca	0 0 n the 22r waters of 1 n barns at e tornado 0	f State Road 72 200K ad, over three a 5 the Myakka F 350K t the Charlotte destroyed ther 25K	2 was un 0 und a ha River. 0 Horse I re mobil 0	nderwater at Horse Creek. <b>River Flood</b> If feet above the flood stage of seven <b>Tornado (F1)</b> Ranch on State Road 70 near Myakk le home and pickup truck.
25 SE Sarasota Manatee County Myakka City Manatee County Myakka City Hardee County	The H damag 19 31 The M feet. ( 19 A shor City. 19 Thund few la	lorse Creek at ged several hor <b>0800EST</b> <b>2359EST</b> Iyakka River a Over 20 homes <b>1355EST</b> rt lived tornade A 23 year-old <b>1400EST</b> lerstorm winds rge trees and s	nes in the Hi t Myakka St s downstrean 0 destroyed a man was inj s estimated a everal large	ate Park crested a were damaged a mobile home a ured and his cat t 60 to 70 mph b branches in Mya	division and a p 0 at 10.57 feet o from the flood 0 nd six to sever killed when the 0 by the public ca	oportion of 0 n the 22rr waters of 1 n barns at e tornado 0 aused min	f State Road 72 200K ad, over three a 5 the Myakka F 350K t the Charlotte destroyed ther 25K	2 was un 0 and a ha River. 0 Horse I re mobil 0 ningle d	nderwater at Horse Creek. <b>River Flood</b> If feet above the flood stage of sever <b>Tornado (F1)</b> Ranch on State Road 70 near Myakk le home and pickup truck. <b>Thunderstorm Wind</b>
25 SE Sarasota Manatee County Myakka City Manatee County Myakka City	The H damag 19 31 The M feet. C 19 A shor City. 19 Thund few la 19	torse Creek at ged several hor <b>0800EST</b> <b>2359EST</b> fyakka River a Over 20 homes <b>1355EST</b> rt lived tornade A 23 year-old <b>1400EST</b> derstorm winds rge trees and s <b>1440EST</b>	nes in the Hi at Myakka St s downstrean 0 0.3 o destroyed a man was inj s estimated a everal large 0.1	ate Park crested n were damaged a mobile home a ured and his cat t 60 to 70 mph h branches in Mya	division and a p 0 at 10.57 feet o from the flood 0 and six to sever killed when the 0 by the public ca kka City. 0	portion of 0 n the 22r waters of 1 n barns at e tornado 0 aused mir 0	f State Road 72 200K od, over three a 5 the Myakka F 350K t the Charlotte destroyed ther 25K nor roof and sl	2 was un 0 und a ha River. 0 Horse I re mobil 0 ningle d	nderwater at Horse Creek. <b>River Flood</b> If feet above the flood stage of seven <b>Tornado (F1)</b> Ranch on State Road 70 near Myakk le home and pickup truck. <b>Thunderstorm Wind</b> lamage to a few homes and downed <b>Tornado (F0)</b>
25 SE Sarasota Manatee County Myakka City Manatee County Myakka City Hardee County Zolfo Spgs	The H damag 19 31 The M feet. C 19 A shor City. 19 Thund few la 19	torse Creek at ged several hor <b>0800EST</b> <b>2359EST</b> fyakka River a Over 20 homes <b>1355EST</b> rt lived tornade A 23 year-old <b>1400EST</b> derstorm winds rge trees and s <b>1440EST</b>	nes in the Hi at Myakka St s downstrean 0 0.3 o destroyed a man was inj s estimated a everal large 0.1	ate Park crested n were damaged a mobile home a ured and his cat t 60 to 70 mph h branches in Mya	division and a p 0 at 10.57 feet o from the flood 0 and six to sever killed when the 0 by the public ca kka City. 0	portion of 0 n the 22r waters of 1 n barns at e tornado 0 aused mir 0	f State Road 72 200K od, over three a 5 the Myakka F 350K t the Charlotte destroyed ther 25K nor roof and sl	2 was un 0 und a ha River. 0 Horse I re mobil 0 ningle d	nderwater at Horse Creek. <b>River Flood</b> If feet above the flood stage of seven <b>Tornado (F1)</b> Ranch on State Road 70 near Myakk le home and pickup truck. <b>Thunderstorm Wind</b> lamage to a few homes and downed
25 SE Sarasota Manatee County Myakka City Manatee County Myakka City Hardee County Zolfo Spgs Sarasota County	The H damag 19 31 The M feet. C 19 A shor City. 19 Thund few la 19 A shor	torse Creek at ged several hor 2359EST 4yakka River a Over 20 homes 1355EST rt lived tornade A 23 year-old 1400EST derstorm winds rge trees and s 1440EST rt-lived tornade	nes in the Hi at Myakka St s downstrean 0 0.3 o destroyed a man was inj s estimated a everal large 0 0.1 o was reported	ate Park crested n were damaged a mobile home a ured and his cat t 60 to 70 mph h branches in Mya	division and a p 0 at 10.57 feet o from the flood 0 and six to sever killed when the 0 by the public ca kka City. 0 in Zolfo Spring	portion of 0 0 1 1 1 1 1 1 1 1	f State Road 72 200K ad, over three a 6 the Myakka F 350K t the Charlotte destroyed ther 25K nor roof and sl 0 ornado lifted a	2 was un 0 and a ha River. 0 Horse I e mobil 0 hingle d 0 nd dissi	nderwater at Horse Creek. <b>River Flood</b> If feet above the flood stage of seven <b>Tornado (F1)</b> Ranch on State Road 70 near Myakk le home and pickup truck. <b>Thunderstorm Wind</b> lamage to a few homes and downed <b>Tornado (F0)</b> pated without damage.
25 SE Sarasota Manatee County Myakka City Manatee County Myakka City Hardee County Zolfo Spgs	The H damag 19 31 The M feet. C 19 A shor City. 19 Thund few la 19	torse Creek at ged several hor <b>0800EST</b> <b>2359EST</b> fyakka River a Over 20 homes <b>1355EST</b> rt lived tornade A 23 year-old <b>1400EST</b> derstorm winds rge trees and s <b>1440EST</b>	nes in the Hi at Myakka St s downstrean 0.3 o destroyed a man was inj s estimated a everal large 0.1 o was reporte	ate Park crested n were damaged a mobile home a ured and his cat t 60 to 70 mph h branches in Mya	division and a p 0 at 10.57 feet o from the flood 0 and six to sever killed when the 0 by the public ca kka City. 0	portion of 0 n the 22r waters of 1 n barns at e tornado 0 aused mir 0	f State Road 72 200K od, over three a 5 the Myakka F 350K t the Charlotte destroyed ther 25K nor roof and sl	2 was un 0 und a ha River. 0 Horse I re mobil 0 ningle d	nderwater at Horse Creek. <b>River Flood</b> If feet above the flood stage of seven <b>Tornado (F1)</b> Ranch on State Road 70 near Myakk le home and pickup truck. <b>Thunderstorm Wind</b> lamage to a few homes and downed <b>Tornado (F0)</b>
25 SE Sarasota Manatee County Myakka City Manatee County Myakka City Hardee County Zolfo Spgs Sarasota County	The H damag 19 31 The M feet. ( 19 A shor City 19 Thund few la 19 A shor 19 A shor 19 City 19 Thund few la 19 City	torse Creek at ged several hor <b>0800EST</b> <b>2359EST</b> Iyakka River a Over 20 homes <b>1355EST</b> rt lived tornade A 23 year-old <b>1400EST</b> lerstorm winds rge trees and s <b>1440EST</b> rt-lived tornade <b>2330EST</b> <b>0400EST</b> to six inches of	nes in the Hi at Myakka St s downstrean 0.3 o destroyed a man was inj s estimated a everal large 0.1 o was reported of rain with i	ate Park crested a were damaged a mobile home a ured and his cat t 60 to 70 mph b branches in Mya 5 5 ad by the public solated amounts	division and a p 0 at 10.57 feet o from the flood 0 and six to sever killed when the 0 by the public ca kka City. 0 in Zolfo Spring 0 up to ten inch	oportion of 0 n the 22rr waters of 1 n barns at e tornado 0 aused min gs. The to 0 es fell ov	f State Road 72 200K ad, over three a f the Myakka F 350K the Charlotte destroyed ther 25K nor roof and sl ornado lifted a 500K ver a large part	2 was un 0 and a ha River. 0 Horse I re mobil 0 ningle d 0 nd dissi 0 of Sara	nderwater at Horse Creek. <b>River Flood</b> If feet above the flood stage of seven <b>Tornado (F1)</b> Ranch on State Road 70 near Myakk le home and pickup truck. <b>Thunderstorm Wind</b> lamage to a few homes and downed <b>Tornado (F0)</b> pated without damage. <b>Flood</b> usota county which caused the water
25 SE Sarasota Manatee County Myakka City Manatee County Myakka City Hardee County Zolfo Spgs Sarasota County	The H damag 19 31 The M feet. ( 19 A shor City 19 Thund few la 19 A shor 19 A shor 19 Thund few la 19 Chreat few la	lorse Creek at ged several hor <b>0800EST</b> <b>2359EST</b> Iyakka River a Over 20 homes <b>1355EST</b> rt lived tornadd A 23 year-old <b>1400EST</b> Itationes and s <b>1440EST</b> rt-lived tornadd <b>2330EST</b> <b>0400EST</b> to six inches of Philipi Creek	nes in the Hi at Myakka St s downstrean 0 destroyed a man was inj s estimated a everal large 0 0.1 o was reported of rain with i along Greer	ate Park crested n were damaged a mobile home a ured and his cat t 60 to 70 mph t branches in Mya 5 cd by the public solated amounts and Gehardt Str	division and a p 0 at 10.57 feet o from the flood 0 and six to sever killed when the 0 by the public c: kka City. 0 in Zolfo Spring 0 up to ten inch eets near Coun	oportion of 0 n the 22rr waters of 1 n barns at e tornado 0 aused min 0 gs. The to 0 es fell ov tty Road	f State Road 72 200K ad, over three a f the Myakka F 350K the Charlotte destroyed ther 25K nor roof and sl 0 ornado lifted a 500K rer a large part 773 to overflo	2 was un 0 and a ha River. 0 Horse I re mobil 0 ningle d 0 nd dissi 0 of Sara	nderwater at Horse Creek. <b>River Flood</b> If feet above the flood stage of seven <b>Tornado (F1)</b> Ranch on State Road 70 near Myakk le home and pickup truck. <b>Thunderstorm Wind</b> lamage to a few homes and downed <b>Tornado (F0)</b> pated without damage. <b>Flood</b>
25 SE Sarasota Manatee County Myakka City Manatee County Myakka City Hardee County Zolfo Spgs Sarasota County 2.5 ESE Sarasota	The H damag 19 31 The M feet. ( 19 A shor City 19 Thund few la 19 A shor 19 A shor 19 Thund few la 19 Chreat few la	lorse Creek at ged several hor <b>0800EST</b> <b>2359EST</b> Iyakka River a Over 20 homes <b>1355EST</b> rt lived tornadd A 23 year-old <b>1400EST</b> Itationes and s <b>1440EST</b> rt-lived tornadd <b>2330EST</b> <b>0400EST</b> to six inches of Philipi Creek	nes in the Hi at Myakka St s downstrean 0 destroyed a man was inj s estimated a everal large 0 0.1 o was reported of rain with i along Greer	ate Park crested a were damaged a mobile home a ured and his cat t 60 to 70 mph b branches in Mya 5 5 ad by the public solated amounts	division and a p 0 at 10.57 feet o from the flood 0 and six to sever killed when the 0 by the public c: kka City. 0 in Zolfo Spring 0 up to ten inch eets near Coun	oportion of 0 n the 22rr waters of 1 n barns at e tornado 0 aused min 0 gs. The to 0 es fell ov tty Road	f State Road 72 200K ad, over three a f the Myakka F 350K the Charlotte destroyed ther 25K nor roof and sl 0 ornado lifted a 500K rer a large part 773 to overflo	2 was un 0 and a ha River. 0 Horse I re mobil 0 ningle d 0 nd dissi 0 of Sara	nderwater at Horse Creek. <b>River Flood</b> If feet above the flood stage of seven <b>Tornado (F1)</b> Ranch on State Road 70 near Myakk le home and pickup truck. <b>Thunderstorm Wind</b> lamage to a few homes and downed <b>Tornado (F0)</b> pated without damage. <b>Flood</b> usota county which caused the water
25 SE Sarasota Manatee County Myakka City Manatee County Myakka City Hardee County Zolfo Spgs Sarasota County	The H damag 19 31 The M feet. ( 19 A shor City 19 Thund few la 19 A shor 19 A shor 19 Thund few la 19 Chreat few la	lorse Creek at ged several hor <b>0800EST</b> <b>2359EST</b> Iyakka River a Over 20 homes <b>1355EST</b> rt lived tornadd A 23 year-old <b>1400EST</b> Itationes and s <b>1440EST</b> rt-lived tornadd <b>2330EST</b> <b>0400EST</b> to six inches of Philipi Creek	nes in the Hi at Myakka St s downstream 0.3 o destroyed a man was inj s estimated a everal large 0.1 o was reported of rain with i along Greer e Philipi Cree	ate Park crested n were damaged a mobile home a ured and his cat t 60 to 70 mph t branches in Mya 5 cd by the public solated amounts and Gehardt Str	division and a p 0 at 10.57 feet o from the flood 0 and six to sever killed when the 0 by the public c: kka City. 0 in Zolfo Spring 0 up to ten inch eets near Coun	oportion of 0 n the 22rr waters of 1 n barns at e tornado 0 aused min 0 gs. The to 0 es fell ov tty Road	f State Road 72 200K ad, over three a f the Myakka F 350K the Charlotte destroyed ther 25K nor roof and sl 0 ornado lifted a 500K rer a large part 773 to overflo	2 was un 0 and a ha River. 0 Horse I re mobil 0 ningle d 0 nd dissi 0 of Sara	nderwater at Horse Creek. <b>River Flood</b> If feet above the flood stage of seven <b>Tornado (F1)</b> Ranch on State Road 70 near Myakk le home and pickup truck. <b>Thunderstorm Wind</b> lamage to a few homes and downed <b>Tornado (F0)</b> pated without damage. <b>Flood</b> usota county which caused the water

		Time Local/	Path Length	Path Width	Numbe Persor		Estimate Damag		Ν	1arch 1998
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	0	Crops	Character of Storm	
ELORIDA, West Cen	<u>tral</u>									
									o miles north northeast	
				Seward of Polk		canzeu no	builing of hom		urred on Lake Bonny, I	Lake Lowery
Hillsborough County					•					
21 NE Tampa	20 23	0800EST 0800EST			0	0	50K	0	<b>River Flood</b>	
	The H	Iillsborough R	iver at Hillsb						ne flood stage of ten fee illsborough River.	et, on the 20th
De Soto County										
1 W Arcadia	20	0800EST			0	0	3.8M	0	<b>River Flood</b>	
	31 The P	2359EST eace River alo		d 70 in Arcadia	a crested at 18.	14 feet or	the 23rd, ove	er seven	feet above the flood st	age of eleve
	feet. I Camp	Nearly 150 ho ground. Wate	mes and recre or from the Pe	eational vehicles ace River cover	s incurred wate red and closed s	r damage State Road	from the flood 1 64 while 35	lwaters, additior	primarily in the Arcadi al secondary roads wer ashed out or heavily dat	ia Peace Rive e closed in th
Manatee County										
Anna Maria to Bradenton	20	1120EST 1135EST			0	0	100K	0	Thunderstorm W	ind
Drauenton	Thunc Brade	lerstorm wind		or roof damage	e to several ho	mes and o	downed trees	and pov	wer lines from Anna N	laria Island (
Sarasota County										
6 N Osprey	20 Nicke	1235EST I sized hail wa		U.S. Highway	0 41 six miles no	0 orth of Osj	0 prey.	0	Hail (0.88)	
Sarasota County			_							
7 SSE Sarasota	20 Thunc	1303EST derstorm wind		ol cages of six	0 homes near the	0 intersecti	60K on of State Ro	0 ad 72 a	Thunderstorm W nd County Road 773 (E	
Manatee County			_							
Myakka City to 7 NW Myakka City	20	1312EST	Ľ		0	0	15K	0	Thunderstorm W	ind
· · · · · · · · · · · · · · · · · · ·	Thunc	derstorm wind	s downed sev	eral power lines	two miles east	t of the in	tersection of S	tate Ro	ad 70 and County Road	675.
Hardee County	20	1 41 75 07	n		0	0	0	0		
8 NE Wauchula	20 Dime	1415EST sized hail was		the Hardee Cour	u nty Public Wor	0 ks Divisio	0 on along State	0 Road 6	Hail (0.75) 4 in northeast Hardee co	ounty.
Highlands County			1 5				e			5
2 S Sebring	20	1449EST		4 TT 11 1	0	0	0	0	Hail (1.75)	
Highlanda County	Golfb	all sized hall v	vas reported t	by the Highland	s County Emer	gency Ma	nagement.			
Highlands County 5.5 E Sebring to	21	0900EST	r		0	0	850K	0	Urban/Sml Stream	n Fld
Avon Park	22	1800EST	Г	<b>a</b> 1. 1						
				Creek to rise an ere washed out			U	on Arbu	ickle Creek Road. Two	o vehicles the
			•	water damaged ation at the Ave			Brae Mobile	Home 1	Park. Water damage al	so occurred a
Pasco County			0							
2 N Zephyrhills	21	2000EST			0	0	300K	0	Urban/Sml Stream	n Fld
			of heavy rainf	all caused locali hills rose three t				ong Wi	re Road of Zephyrhills.	Water level
Pasco County			==p							
Hudson	21	2000EST			0	0	450K	0	Urban/Sml Stream	n Fld
			f heavy rainfa	ll caused localiz along West Roa		dozens of	f homes and se	everal st	reets near Frierson Lak	e. Most of th
LORIDA, West Pan		-	nes occurreu	along west KO	a in ridusoil.					
FLZ002-004-006	Coast	tal Escambi		Santa Rosa -						
	08	0200CST			0	0	80K		Flood	
	Coasta	0600CS I FloodingA		stent southerly	windflow cause	ed water t	o pile up betw	een De	stin and Perdido Bay.	High wave

		Time	Path	Path		ber of	Estin			March 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Per Killed	sons Injured	Dan Property	nage Crops	Character of Storm	
FLORIDA, West Pa	nhandl	e		. ,						
<u>r LOMDA, west i a</u>		_	n out near Nor	riego Point wh	ich allowed	a stream o	f water to cr	ash over	into normally tranqu	il Destin Harbor.
									County Road 399	between Navarre
Escambia County	Beach	1 and Fort Pick	ens and had to	be cleared sev	eral times to	allow veh	icles to trave	el over it.		
Countywide	08	0415CS 2000CS			0	0	1.5M	I	Flood	
Okaloosa County										
Countywide	08	1030CS 2000CS			0	0	1M		Flood	
Santa Rosa County	08	1030CS	г		0	0	500K		Flood	
Countywide	08	2000CS			U	U	500K		F1000	
	the ea morni spread Follov Escar of rai Centu draine lived This f Okalo count eveni Yello home Santa eveni water	arly morning h ing hours. The d east across s wing are highli nbia Flooding nfall on March rry was closed ed by Sunday of along the Esca forced people a osoaMost of y were washed ong of March s w river at Mill s along the rive RosaMost o ng of March 8 . River floodin	nours in Escar e heavy rainfa Santa Rosa ar ghts of some of g was generall 7 and 8. Mo for much of t evening. Resi long the river the flooding t d out by the h 8, when the w ligan reached er had to be ev f the dirt road . Many pave ng began a fev	nbia county ar Il caused wides ad Okaloosa co of the damages y confined to t st of the dirt ro he day on Sun dents say this w flooding for to evacuate. ook place alon, eavy rain. Ma ater finally rec a reading of 20 acuated. Perso s along and no d roads in the v days later as	nd moved sle pread floodii punties. M in the affecte he area along oads north of day because was one of the the next sev g and north any of the p eded. As w 0.32 feet on 1 ns living alo rth of I-10 w central and r residents who	owly east a ng across t ost second ed counties g I-10 and i I-10 were of high wa he worst flater and days a of I-10. Maved roads ith Escamb March 10 v ng the Shor were washe north part o o lived alor	across Santa he area. The ary roads w : north. Pensa completely ater. Most c oods they ha is the river r fost of the d in the north via county, r which is sect al river were d out. Mos of the county ng the Yello	A Rosa an e flooding vere comp acola regio washed or of the pav ad seen. A ose to nea lirt roads h part of iver flood ond to the also force st were clo w wree clo w river woo	in fell. The heavy ra d Okaloosa counties began in Escambia letely washed out in onal airport received at. Part of U S High ed roads that had wa After the water drain r its highest level ev in the central and n the county remained ing continued for an reading of 26.2 feet ed to evacuate. osed from Sunday n osed most of Sunday ere forced to evacuat was comparable to th	a during the mid county and then in these counties. about 6.5 inches way 29 south of ater on them had ded, residents that er, near Century. orth parts of the closed until the other week. The t in 1929. Many morning until the because of high e. Persons along
Okaloosa County Blackman	08	0430CS			0	0	25K		Thunderstorm	Wind (G55)
	High	0431CS winds damage		Blackman Si	ding and par	t of the roo	f was blown	off. No	one was injured.	
Escambia County	8				8 F				···· ··· ··· ··· ··· ··· ··· ··· ··· ·	
West Pensacola	08	0440CS 0442CS			0	0			Hail (0.75)	
	Dime	e size hail was	reported along	I-10 just west	of Pensacola	-				
Santa Rosa County Milton	08	0450CS			0	0			Hail (0.75)	
	Dime	0452CS		orthwest of Mi	lton.					
FLZ002		stal Escambi	1 5							
	17	1000CS 1700CS	Г		0	0	15K		Flood	
	near 4 thund	al FloodingS 45 knots, for s erstorms. Bea	outheast wind several hours. ich erosion oc	The winds v curred around	vere likely tl Johnson Bea	he result o ach and alo	f a Bubble ong Pensaco	High dev la Beach.	ms to 20 to 30 km eloping behind the Tides were three to d for three to four ho	eastward moving o five feet above
Okaloosa County		-		-						
Crestview	19	1225CS 1227CS	Г		0	0			Hail (0.75)	
	Dime	e size hail was	reported along	I-10 just west	of Crestview	·.				

							_	
	_	Time Local/	Path Length	Path Width		ber of sons	Estimated Damage	March 1998
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property Crops	S Character of Storm
GEORGIA, East Ce	<u>ntral</u>							
<b>Richmond County</b>								
Augusta	08	1235EST 1400EST			0	0	0	Flash Flood
	Raes C	Creek flooded lo	ow lying area	s and approach	ed some hor	nes but no	flooding in homes v	was reported.
Columbia County Evans	08	1450EST			0	0	0	Flash Flood
Evans		1630EST						
		Creek spilled ou was close.	ut of its bank	s and approach	ed the found	ation of sc	me homes. EPD re	ported no water made it into any homes
GEORGIA, Lower	outit	was close.						
GAZ132>136-	Coffe	e - Jeff Davis	- Bacon -	Appling - W	avne - Atk	inson - V	Vare - Pierce - B	rantley - Inland Glynn - Echols -
149>153-162>165	Clinc	h - Charlton			-			
	01 31	0001EST 2300EST			0	0	3.5M	Flood
	Total f	flooding related				maged. Fl	ooding mainly alon	g the St Mary's, Altamaha, and Satilla
~ ~ ~	Rivers.	. Some areas als	so effect with	Closed Basin	flooding.			
Coffee County 2 S Ambrose to	08	1019EST	0.1	20	0	0	<b>30K</b>	Tornado (F0)
2.1 S Ambrose							0011	101111100 (10)
Loff Dorrig Country	Torna	do snapped tree	s and power	lines. Damageo	i a pickup tri	ick.		
Jeff Davis County 2 N Hazelhurst to	08	1045EST			0	0	2K	Thunderstorm Wind
Hazelhurst	Lanaa	tunna and norra	u linaa waa k	larra darra				
Appling County	Large	trees and power	r lilles were t	nown down.				
1 N Baxley	08	1056EST			0	1	55K	Thunderstorm Wind
	Three	mobile homes of	destroyed.					
Appling County 1 S Surrency to	08	1606EST	0.1	20	0	0	2K	Tornado (F0)
1.1 SE Surrency		1610EST			Ŭ	0		101111100 (10)
Atkingon County	Large	trees and power	r lines were t	olown down.				
Atkinson County Pearson	08	1925EST			0	0	1.5K	Thunderstorm Wind
	Large	trees and power	r lines were b	olown down.				
Clinch County Homerville	08	1930EST			0	0	2.5K	Thunderstorm Wind
nomervine		trees and power	r lines were b	olown down.	0	U	2.3K	Thunderstorm white
Echols County								
Statenville	08 Large	1930EST trees and power	r lines were h	lown down	0	0	1.5K	Thunderstorm Wind
Appling County	Lange	liees and points		lo in do ini				
Countywide	08	2200EST			0	0	10K	Flood
	09 Nume	0100EST rous roads and	streets were d	closed.				
Atkinson County								
Countywide	08 09	2200EST 0100EST			0	0	15K	Flood
		rous roads and	streets were d	closed.				
Bacon County								
Countywide	08 09	2200EST 0100EST			0	0	25K	Flood
		rous roads and	streets were o	closed.				
Coffee County	00	2200ECT			0	0	2012	
Countywide	08 09	2200EST 0100EST			0	0	20K	Flood
	Nume	rous roads and	streets were o	closed.				
Jeff Davis County Countywide	08	2200EST			0	0	15K	Flood
Countywide	08	2200EST 0100EST			U	U	131	Floou

Location         Location         Location         Location         Parameters         Damage Properties           GEORGIA_Lower         Numerous reads and streets were closed.         Second			Time	Path	Path	Numbe		Estimated	Μ	arch 1998	
GEORGIA. Lower           Numerous roads and streets were closed.           GEORGIA. North and Central           Sumerous roads and streets were closed.           GEORGIA. North and Central           Sumerous roads and streets were closed.           GEORGIA. North and Central           A maintenance building at the Americas Country Club was destroyed where easily valued at S100,000.           De Kalb County           County wide           County wide         County wide           County wide         County wide           County wide         County wide           County wide         County wide           County wide         County wide           County wide	Location	Date		-				0	Character of Storm		
Numerous rotats and streets were closed.         Second Status         Numerous         Numerous </td <td>GEORGIA, Lower</td> <td></td> <td></td> <td></td> <td>(1111)</td> <td></td> <td><u>j</u></td> <td>r J I</td> <td></td> <td></td>	GEORGIA, Lower				(1111)		<u>j</u>	r J I			
Similar County America:         0         UODEST:         0         DOIS Instrument building, tools and equipment, and an atomobile that were destroyed when easily valued at \$100,000,000,000,000,000,000,000,000,000		Nume	rous roads and	d streets were	closed.						
American       07       000EST       0       100K       Lightning tained intermate building, no is and equipment, and an automobile that were destroyed were easily valued at \$100,000.         De Kable County       08       0500EST       0       0       10K       Flash Flood         Countywide       08       0500EST       0       0       10K       Flash Flood         Countywide       Cobb - Carroll - Douglas - Newton - Heart - Coweta - Spalding - Burts - Lagoer - Pike - Upson - Lamar - 050-2073-078-084       000EST       0       0       Edsta - Spantaling - Flood - Carroll - Douglas - Newton - Bleckley - Laurens - Treauten - Neogher - Subit - Twigges - Wilkinson - Marino - 00       Sponter - Newton - Newton - Newton - Spantaling - Burts - Lagoer - Pike - Lauren - 000 - Crisp - 001-008-103-112       Pilast - Wilkinson - Marino - 00       Sponter - Newton - Ne		<u>l Cent</u>	tral								
A maintenance building at the Americas Country Club was destroyed when lightning igning nearby frees and the fire speed at building. Tools and equipment, and an automobile that were destroyed were easily valued at \$100,000.         De Kalb County Countywide       08       500/EST       0       10K       Flash Flood         Fulton County Countywide       08       0500/EST       0       0       10K       Flash Flood         Fulton County Countywide       08       0500/EST       0       0       10K       Flash Flood         After over an inch-and a-haff of rim the preceding two days, showers and thunderstorms dand Sope Creeks rose rapidly and came out of a banks. A foot of water was over some roads and basements of homes near the creeks were flooded.       6/2/03.2014.2014.2014.2014.2014.2014.2014.2014	•	07	0100055	r.		0	0	10012	Lightning		
County vide080910KFlash FloodFulton CountyCounty vide0010KFlash FloodAfter over an inch-and-a-half of rain the preceding two days, showers and thunderstorms dumped another 2 or more inches in a hour period over the Atlanta merio area. Peachtree Creek as well as Nancy and Sope Creeks rose rapidly and cance out of the backs. A foot of water was over some roads and basements of homes near the creeks were flooded.GAZ032-042-043-043.Cobb - Carroll - Douglas - Newton - Heard - Coweta - Spalding - Britts - Japser - Pike - Upson - Lamar - Spalding - Britts - Japser - Pike - Upson - Lamar - Spalding - Britts - Japser - Pike - Upson - Lamar - 0068>073-078-084.GAS032-042-043-043.Cobb - Carroll - Douglas - Vertice - Montgomery00SolkGAZ033-042-043-0443.Cobb - Carroll - Douglas - Vertice - MontgomeryWilkinson - Marrino - Oscoks - Blob - Nigron - Corros - Differ - Wheeler - Montgomery - Corros - Blob - Nigron - Corros - Solk - Gooding escured anialy in lowa and and meet revense decises from the the the driver lost corron of Georgia declared a state of emergency in a tool of counties in carron and south parts of the state.Coweta CountySender County81081326EST00Hail (0.75)Pagette County81326EST00Hail (0.75) <td colsp<="" td=""><td>Americus</td><td>A mai</td><td>intenance buil</td><td>ding at the Ar</td><td></td><td>y Club was des</td><td>troyed wl</td><td>nen lightning ignited</td><td>nearby trees and the fire</td><td>spread to th</td></td>	<td>Americus</td> <td>A mai</td> <td>intenance buil</td> <td>ding at the Ar</td> <td></td> <td>y Club was des</td> <td>troyed wl</td> <td>nen lightning ignited</td> <td>nearby trees and the fire</td> <td>spread to th</td>	Americus	A mai	intenance buil	ding at the Ar		y Club was des	troyed wl	nen lightning ignited	nearby trees and the fire	spread to th
Id30EST	-	00	050050	n		٥	0	1017			
Countyvide080900EST 1030EST010KFlash FloidAfter over an inch-and-a-half of rain the preceding two days, showers and thunderstorms dumped another 2 or more inches in a hour period over the Athatan metro area. Peachter Cerek as well as Nancy and Sope Creeks rose rapid) and came out of t banks. A foot of water was over some roads and basements of homes near the creeks rose rapid) and came out of t 	Countywide	08				0	0	10K	Flash Flood		
IDSOFT         After over an inch-and-and of rain the preceding two days, showers and thunderstorms dumped another 2 or more inches in a hour period over the Atlanta metro area. Peachtree Creek as well as Nancy and Sope Creeks rose rapidly and came out of d banks. A foot of water was over some orads and basements of homes near the creeks were flooded.         GAZ032-042>043-048.       Cobb - Carroll - Douglas - Newton - Heard - Coweta - Spalding - Butts - Jasper - Pike - Upson - Lamar - 0652-053-056-058-059.         Monroe - Jones - Baldwin - Harris - Tablot - Taylor - Crawford - Bibb - Twiggs - Wilkinson - Marion - 0680-073-078-084.         Gobs-073-078-084.       Solide - Macon - Deech - Houston - Bleckley - Lauros - Treutlen - Webster - Sumter - Dooly - Crisp - 0915-098-103-112.         Ø8       0       0       500K         Ø8       0700EST       0       0       500K         Pulaski - Wilcox - Dodge - Telfair - Wheeler - Montgomery       0       60       000         Ø8       0700EST       0       0       500K       Flood         Ha       1800EST       0       0       Stavier Iost and a flood creack. A baby save save save relosed and some were damaged in a creack individe in carrolic ounties. The governor of Goorgia declared a state of emergency in a total of counties. Families were evacuated in several counties. The governor of Goorgia declared a state of emergency in a total of counties. Families were evacuated in several counties. The governor of Goorgia declared in Moreland a few minutes later, apparently from a sec atom in Several coun						0					
After over an inch-and a-half of rain the preceding two days, showers and thunderstorms dumped another 2 or more inches in a hour period over the Atlanta metro area. Peachtere Creek as well as Naney and Sope Creek sore ragity and came out of d banks. A foot of water was over some roads and basements of homes near the creeks rose ragity and came out of d banks. A foot of water was over some roads and basements of homes near the creeks rose ragity and came out of d banks. A foot of water was over some roads and basements of homes near the creeks rose ragity and came out of d banks. A foot of water was over some roads and basements of homes near the creeks rose ragity and came out of d banks. A foot of water was over some roads and basements of homes near the creeks rose the threeks the Sht. Flooding accurred mainty in low an and near rives and creeks from the ternoff as it moved downstream. Numerous roads were domaged, indirect death resulted in Carroll county when a the driver lost control of a vehicle and ran into a flooded creek. A baby was was from the vehicle into the runshing waters. A dam in Lamar county Proves. Homes and businesses sustained water damage in m counties. Families were evacuated in several counties. The governor of Georgia declared a state of emergency in a total of counties in eartral and south parts of the state.         Coweta County       08       1325EST       0       0       Hail (1.75)         Senoia to       08       1325EST       0       0       Hail (0.75)         Senoia to       08       1325EST       0       0       Hail (0.75)         Dime size hail was reported in Senoia. Golfball size hail was reported in Moreland a few minutes later, apparently from a sec storm. A finnel was also reported sense and balemeses su	Countywide	08				0	0	10K	Flash Flood		
banks. A foot of water was over some roads and basements of homes near the creaks were flooded. GAZ032-042-043-048. Cobb - Carroll - Douglas - Newton - Heard - Coweta - Spading - Butts - Jasper - Pike - Upson - Lamar - 068>073-073-088-065 091>098-103-112 Plusksi. Wilcox - Dodge - Telfair - Montgomery 08 0700EST From 4 to 8 inches of rain fell over north and central Georgia from the 5th through the 8th. Flood flag 1 1 1800EST From 4 to 8 inches of rain fell over north and central Georgia from the 5th through the 8th. Flooding occurred mainly in low a and near rivers and creeks from the the runoff as it moved downstream. Numerous roads were closed and some were damaged. indirect death resulted in Carroll county waters. Ad am in thraw county broke. Homes and businesses sustained water damaged indirect death resulted in Carroll county waters. Ad am in Lamar county broke. Homes and businesses sustained water damaged indirect death resulted in Garroll county waters. Ad am in Lamar county broke. Homes and businesses sustained water damaged indirect death resulted in Garroll county waters. Ad am in Lamar county broke. Homes and businesses sustained water damaged. 1340EST Quarter size hail was reported in Senoia. Golfball size hail was reported in Moreland a few minutes later, apparently from a sec storm. A funnel was also reported in the Moreland area. Fayette County 2 S Peachtree City to 8 NE Franklin 9 8 1420EST 0 0 Hail (0.75) Dime size hail was reported between Senoia and Peachtree city. Heard County 8 NE Franklin 9 8 17JSEST 0 0 Hail (0.75) Dodge County Eastman 6 4 1400EST 6 4 1400EST 0 0 5 K Lightning A church was damaged when lightning struck a tree which fell onto it. The church was located on Rocky Spring Road in Do county. The time was estimated. 6 4 20036-044 Clarke - South Fluton 1 2 0 063SEST 9 100 0 50K Thunderstorm winds. Numerous trees were downe souther Forsyth County. 4 2 0 063SEST 9 100 0 9 50K Thunderstorm winds. Numerous trees were downe souther Forsyth Cou			over an inch-a	nd-a-half of r							
GAZ032-042-043-048       Cobb - Carroll - Douglas - Newton - Heard - Coweta - Spalding - Butts - Jasper - Pike - Upson - Lamar - 052-056-058-058         068-075-0758-084- 091>098-103>112       Monroe - Jones - Baldwin - Harris - Talbot - Taylor - Crawford - Bibb - Twiggs - Wilkinson - Marion - Socket - Monroe - Jones - Budewin - Harris - Talbot - Taylor - Crawford - Bibb - Twiggs - Wilkinson - Marion - Socket - Monroe - Jones - Baldwin - Harris - Talbot - Taylor - Crawford - Bibb - Twiggs - Wilkinson - Marion - Socket - Monroe - Jones - Baldwin - Harris - Talbot - Taylor - Crawford - Bibb - Twiggs - Wilkinson - Marion - Socket - Monroe - Jones - Baldwin - Harris - Treatlen - Webster - Sumter - Dooly - Crisp - Pulaski - Wilcox - Dodg - Telfair - Wheeler - Montgomery         08       0700EST       0       0       500K       Flood         14       1800EST       0       0       500K       Flood         14       1800EST       0       0       500K       Flood         14       1800EST       0       0       Hait (175)         14       1800EST       0       0       Hait (175)         Sonia to       0       8       1325EST       0       0       Hait (0.75)         Pachtree City       0       1326EST       0       0       Hait (0.75)         Pachtree City       0       1326EST       0       0       Hait (0.75)         Pachtree City       0       0								· ·	1 2	out of the	
0685-073-078-084.       Schley - Macon - Peach - Houston - Bickley - Laurens - Treutlen - Webster - Sumter - Dooly - Crisp- 091>098-103>112         091>098-103>112       Pulaski - Witcox - Dodg - Telfair - Wheeler - Montgomery 14       0       500K       Flood         14       1800EST       0       0       500K       Flood         14       1800EST       0       0       500K       Flood         idneet dash resulted in Carroll county when a the driver lost countor of a vehicle and rain to a 10odel creek. A bally was was from the vehicle into the rushing waters. A dam in Lamar county broke. Homes and businesses sustained water damaged in counties. Families were evacuated in several counties. The governor of Georgia declared a state of emergency in a total of counties in central and south parts of the state.         Coweta County       8       1325EST       0       0       Hail (1.75)         Moreland       0       1326EST       0       0       Hail (0.75)         Parentree City       08       1326EST       0       0       Hail (0.75)         Parentree City <td< td=""><td>GAZ032-042&gt;043-048-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>mar -</td></td<>	GAZ032-042>043-048-									mar -	
091>098-103>112       Pulaski - Wilcox - Dodge - Telfair - Wheeler - Montgomery         0       0       0       500K       Flood         14       1800EST       0       0       500K       Flood         14       1800EST       0       0       500K       Flooding occurred mainly in low an and near rives and creeks from the the runoff as it moved downstream. Numerous roads were closed and some were damaged, indirect death resulted in Carroll county when a the driver lost control of a vehicle and ran into a flooded creek. A baby was was from the vehicle into the rushing waters. A dam in Lamar county broke. Homes and businesses sustained water damage in m counties. Families were evacuated in several counties. The governor of Georgia declared a state of emergency in a total of counties in central and south parts of the state.         Coweta County       08       1325EST       0       0       Hail (1.75)         Senoia to       08       1325EST       0       0       Hail (0.75)         Quarter size hall was reported in Senoia. Golfball size hail was reported in Moreland area.       Fayette County       0       Hail (0.75)         Peachtree City to       08       1326EST       0       0       Hail (0.75)         Peachtree City       08       1420EST       0       0       Hail (0.75)         Dime size hail was reported between Senoia and Peachtree city.       Heard County       8       1420EST		Monr	roe - Jones -	Baldwin - 1	Harris - Tal	bot - Taylor -	· Crawfo	ord - Bibb - Twigg	s - Wilkinson - Mari	ion -	
08       0700EST       0       0       590K       Flood         14       1800EST       From 4 to 8 inches of rain fell over north and central Georgia from the 5th through the 8th. Flooding occurred mainly in low an and near rivers and crecks from the trunoff as it moved downstream. Numerous roads were closed and some were damaged. indirect dealt resulted in Carrol a the driver lost control of a vehicle and ra into a flooded creck. A haby was was from the vehicle into the rushing waters. A dam in Lamar county structure. The governor of Georgia declared a state of emergency in a total of counties. Families were exclusated in several counties. The governor of Georgia declared a state of emergency in a total of counties in central and south parts of the state.         Coweta County       08       1325EST       0       0       Hail (1.75)         Moreland       1340EST       0       0       Hail (0.75)         Peachtree City to Peachtree City to Peachtree City to Peachtree City       08       1326EST       0       0         8 NE Franklin       18       1420EST       0       0       Hail (0.75)         Peachtree City to Peachtree City to Peachtree City to County       8       1420EST       0       0       Hail (0.75)         9       1420EST       0       0       5K       Lightning A church was alonged when lightning struck a tree which fell onto it. The church was located on Rocky Spring Road in Do county. The time was estimated.         6AZ2036-044       Clackeste								itlen - Webster - S	Sumter - Dooly - Cris	sp -	
From 4 to 8 inches of rain fell over north and central Georgia from the 5th through the 8th. Flooding occurred mainly in low a and near rivers and creeks from the the runoff as it moved downstream. Numerous roads were closed and some were damaged. indirect death resulted in Carroll county when a the driver lost control of a vehicle and ran into a flooded creek. A baby was was from the vehicle into the runshing waters. A dam in Lamar county broke. Homes and businesses sustained water damage in m counties. Families were evacuated in several counties. The governor of Georgia declared a state of emergency in a total of counties in central and south parts of the state.         Coweta County       0       Hail (1.75)         Senoia to       0       1325EST       0       0       Hail (1.75)         JaddEST       0       0       Hail (0.75)       Dime size hail was reported in Senoia. Golfball size hail was reported in Moreland area.         Fayette County       28       0       0       Hail (0.75)         Dime size hail was reported between Senoia and Peachtree city.       Dime size hail was reported between Senoia and Peachtree city.         Heard County       8       1420EST       0       0       Hail (0.75)         Malker County       1432EST       0       0       Station 5       For ported lime size hail.         Walker County       8       1715EST       0       0       Station 5       Cold         Codety       Eastman       68       1400EST <td>0912090-1052112</td> <td></td> <td></td> <td></td> <td>enan - whe</td> <td>eler - Montg</td> <td></td> <td>500K</td> <td>Flood</td> <td></td>	0912090-1052112				enan - whe	eler - Montg		500K	Flood		
and near rivers and creeks from the the runoff as it moved downstream. Numerous roads were closed and some were damaged, in direct death resulted in Carroll county when a the driver lost control of a vehicle and ran into a flooded creek. A baby was was from the vehicle into the rushing waters. A dam in Lamar county broke. Homes and businesses sustained water damaged in m counties. Families were evacuated in several counties. The governor of Georgia declared a state of emergency in a total of counties in central and south parts of the state.  Coweta County Senoia to 08 1325EST 0 0 Hail (1.75) Users reported in Senoia. Golfball size hail was reported in Moreland a few minutes later, apparently from a sec storm. A funnel was also reported in the Moreland area.  Fayette County 2. S Peachtree City 0					an north and a	mtmal Caanaia f	nom the 5	th through the 9th E	برامنوم ومشروه ومنام	in low one	
indirect death resulted in Carroll county when a the driver lost control of a vehicle and ran into a flooded creek. A baby was was from the vehicle into the rushing waters. A dam in Lamar county broke. Homes and businesses sustained water damage in m counties. Finallies were evacuated in several counties. The governor of Georgia declared a state of emergency in a total of counties in central and south parts of the state.  Coweta County Senoia to Moreland 08 1325EST 0 0 0 Hail (1.75) Quarter size hail was reported in Senoia. Golfball size hail was reported in Moreland a few minutes later, apparently from a sec state of emergency in a total of counties in central and south parts of the state.  Fayette County 2 S Peachtree City to Peachtree City 8 NE Franklin 08 1420EST 0 0 1326EST 0 0 1420EST 0 1420EST 0 1420EST 0 1420EST 0 1420EST 0 0 1421											
counties. Families were evacuated in several counties. The governor of Georgia declared a state of emergency in a total of counties in central and south parts of the state. Coweta County Senoia to Moreland B 1325EST Outer size hail was reported in Senoia. Golfball size hail was reported in Moreland a few minutes later, apparently from a sec storm. A funnel was also reported in the Moreland area. Fayetic County 2 S Peachtree City to Peachtre											
counties in central and south parts of the state.         Coweta County Senoia to Moreland         98       1325EST       0       0       Hail (1.75)         Moreland       Quarter size hail was reported in Senoia. Golfball size hail was reported in Moreland a few minutes later, apparently from a sec storm. A funnel was also reported in the Moreland area.         Fayette County       08       1326EST       0       0       Hail (0.75)         Peachtree City to Peachtree City       08       1420EST       0       0       Hail (0.75)         Heard County       8 NE Franklin       08       1420EST       0       0       Hail (0.75)         Fire station 5 reported dime size hail.       Walker County       1425EST       0       0       Hail (0.75)         Dodge County       Eastman       08       1400EST       0       SK       Lightning         Chickamauga       08       1715EST       0       0       SK       Lightning         Chickamauga       08       1400EST       0       5K       Lightning         Chickamauga       08       1400EST       0       0       Cold         The coldest air of the 1997-1998 winter set new record low temperatures of 19 degrees at Hartsfield airport in Atlanta and degrees at Ben-Epps airport in Athens.											
Coweta County Senoia to Moreland       08       1325EST 1340EST       0       0       Hail (1.75)         Quarter size hail was reported in Senoia. Golfball size hail was reported in Moreland a few minutes later, apparently from a sec storm. A funnel was also reported in the Moreland area.       Image: County and the Moreland area.       Image: County and the Moreland area.       Image: County and the Moreland area.         Fayette County 2 S Peachtree City to Peachtree City 9 NE Franklin       08       1326EST       0       0       Hail (0.75)         Heard County 8 NE Franklin       08       1420EST 1425EST       0       0       Hail (0.75)         Chickamauga 0 Mage County Chickamauga       08       1715EST       0       0       Hail (0.75)         Dodge County Eastman       08       1400EST       0       5K       Lightning A church was damaged when lightning struck a tree which fell onto it. The church was located on Rocky Spring Road in Do county. The time was estimated.         GAZ036-044       Clarke - South Fulton 12       0       0       5K       Lightning Cold       Cold         The coldest air of the 1997-1998 winter set new record low temperatures of 19 degrees at Hartsfield airport in Atlanta and degrees at Ben-Epps airport in Athens.       0       0       50K       Thunderstorm Wind Five homes in a subdivision off Kelly Mill Road received damage from thunderstorm winds. Numerous trees were downe southern Forsyth county. <td< td=""><td></td><td></td><td></td><td></td><td></td><td>ounties. The go</td><td>overnor of</td><td>f Georgia declared a</td><td>state of emergency in a</td><td>a total of 7</td></td<>						ounties. The go	overnor of	f Georgia declared a	state of emergency in a	a total of 7	
Senoia to Moreland081325EST 1340EST 1340EST00Hail (1.75)Quarter size hail was reported in Senoia. Golfball size hail was reported in Moreland a few minutes later, apparently from a sec storm. A funnel was also reported in the Moreland area		countie	es in central a	nd south parts	of the state.						
Senoia to Moreland081325EST 1340EST00Hail (1.75)MorelandQuarter size hail was reported in Senoia. Golfball size hail was reported in Moreland a few minutes later, apparently from a sec storm. A funnel was also reported in the Moreland area.Fayette County 2 S Peachtree City081326EST00Hail (0.75)Peachtree City081420EST00Hail (0.75)Peachtree City081420EST00Hail (0.75)Peachtree City081420EST00Hail (0.75)B KE Franklin081420EST00Hail (0.75)Noreland081715EST00Hail (0.75)Dodge County Chickamauga081715EST00SKLightning to 0.5KGAZ036-044Clarke - South Fulton to county. The time was estimated.005KLightning to 0.6ColdGAZ036-044Clarke - South Fulton ta coldest air of the 1997-1998 winter set new record low temperatures of 19 degrees at Hartsfield airport in Atlanta and degrees at Ben-Epps airport in Athens.0050KThunderstorm Wind Five homes in a subdivision off Kelly Mill Road received damage from thunderstorm winds. Numerous trees were downe southern Forsyth county.Hall County 2 S Murrayville to200625EST9100109615MTornado (F3)	Coweta County										
Quarter size hail was reported in Senoia. Golfball size hail was reported in Moreland a few minutes later, apparently from a second storm. A funnel was also reported in the Moreland area.         Fayette County       2 S Peachtree City to       0       0       Hail (0.75)         Peachtree City       0       0       Hail (0.75)         Dime size hail was reported between Senoia and Peachtree city.       Heard County       0       0         8 NE Franklin       0       1420EST       0       0         Fire station 5 reported dime size hail.       Fire station 5 reported dime size hail.       Hail (0.75)         Walker County       0       0       Hail (0.75)         Chickamauga       08       1715EST       0       0         Eastman       08       1400EST       0       0         A church was damaged when lightning struck a tree which fell onto it. The church was located on Rocky Spring Road in Docontry. The time was estimated.       Cold         GAZ036-044       Clarke - South Fulton       Cold       Cold         The coldest air of the 1997-1998 winter set new record low temperatures of 19 degrees at Hartsfield airport in Atlanta and degrees at Ben-Epps airport in Athens.       Five homes in a subdivision off Kelly Mill Road received damage from thunderstorm winds. Numerous trees were downe southern Forsyth county.         3 S Murrayville to       20       0632EST <td< td=""><td>Senoia to</td><td>08</td><td></td><td></td><td></td><td>0</td><td>0</td><td></td><td>Hail (1.75)</td><td></td></td<>	Senoia to	08				0	0		Hail (1.75)		
Storm. A funnel was also reported in the Moreland area.         Fayette County         2 S Peachtree City       08       1326EST       0       0       Hail (0.75)         Peachtree City         Peachtree City       Dime size hail was reported between Senoia and Peachtree city.         Heard County       8       1420EST       0       0       Hail (0.75)         B NE Franklin       08       1420EST       0       0       Hail (0.75)         Valker County       08       1715EST       0       0       Hail (0.75)         Dodge County       08       1715EST       0       0       Hail (0.75)         Dodge County       08       1400EST       0       0       5K       Lightning         A church was damaged when lightning struck a tree which fell onto it. The church was located on Rocky Spring Road in Do county. The time was estimated.       Cold       Cold       The coldest air of the 1997-1998 winter set new record low temperatures of 19 degrees at Hartsfield airport in Atlanta and degrees at Ben-Epps airport in Athens.       O       0       50K       Thunderstorm Wind         Forsyth County         3 S Cumming       20       0545EST       0       0       50K       Thunderstorm Wind         Five homes in a subdivis	Moreland	Ouarte			Senoia. Golfba	ull size hail was	reported	in Moreland a few m	inutes later, apparently f	rom a secor	
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Peachtree City       Dime size hail was reported between Senoia and Peachtree city.         Heard County       8 NE Franklin       08       1420EST       0       0       Hail (0.75)         8 NE Franklin       08       1420EST       0       0       Hail (0.75)         Contropy         Chickamauga       08       1715EST       0       0       Hail (0.75)         Dodge County         Eastman       08       1400EST       0       0       5K       Lightning         A church was damaged when lightning struck a tree which fell onto it. The church was located on Rocky Spring Road in Do county. The time was estimated.         GAZ036-044       Clarke - South Fulton 12       0       0       Cold         12       0655EST       0       0       Cold         The coldest air of the 1997-1998 winter set new record low temperatures of 19 degrees at Hartsfield airport in Atlanta and degrees at Ben-Epps airport in Athens.         Forsyth County         3 S Cumming       20       0545EST       0       0       50K       Thunderstorm Wind         Five homes in a subdivision off Kelly Mill Road received damage from thunderstorm winds. Numerous trees were downe southern Forsyth county.       20       0625EST       9		00	122/07/07			0	0				
Dime size hail was reported between Senoia and Peachtree city.         Heard County       0       0       Hail (0.75)         NE Franklin       0       1425EST       Fire station 5 reported dime size hail.         Walker County Chickamauga       08       1715EST       0       0       Hail (0.75)         Dodge County Eastman       08       1400EST       0       5K       Lightning Lightning         A church was damaged when lightning struck a tree which fell onto it. The church was located on Rocky Spring Road in Docounty. The time was estimated.       0       0       Cold         GAZ036-044       Clarke - South Fulton 12       0       0       Cold       Cold         The coldest air of the 1997-1998 winter set new record low temperatures of 19 degrees at Hartsfield airport in Atlanta and degrees at Ben-Epps airport in Atlens.       0       0       50K       Thunderstorm Wind         S Country 3 S Cumming       20       0545EST       0       0       50K       Thunderstorm Wind         Five homes in a subdivision off Kelly Mill Road received damage from thunderstorm winds. Numerous trees were downee southern Forsyth county.       9       100       10       96       15M       Tornado (F3)		08	1326ES1	Ľ		0	0		Hail (0.75)		
8 NE Franklin       08       1420EST 1425EST       0       0       Hail (0.75)         Fire station 5 reported dime size hail.         Walker County         Chickamauga       08       1715EST       0       0       Hail (0.75)         Dodge County         Eastman       08       1400EST       0       0       5K       Lightning         A church was damaged when lightning struck a tree which fell onto it. The church was located on Rocky Spring Road in Docounty. The time was estimated.         GAZ036-044         Clarke - South Fulton         12       0655EST       0       0       Cold         The coldest air of the 1997-1998 winter set new record low temperatures of 19 degrees at Hartsfield airport in Atlanta and degrees at Ben-Epps airport in Athens.         Forsyth County         3 S Cumming       20       0545EST       0       0       50K       Thunderstorm Wind         Five homes in a subdivision off Kelly Mill Road received damage from thunderstorm winds. Numerous trees were downer southern Forsyth county.         A land County         A log 0       0       50K       Thunderstorm Wind         Firand a bidivision off Kelly Mill Road received	·	Dime	size hail was	reported betw	een Senoia and	Peachtree city.					
1425EST Fire station 5 reported dime size hail.         Walker County Chickamauga       08       1715EST       0       0       Hail (0.75)         Dodge County       Eastman       08       1400EST       0       0       5K       Lightning         A church was damaged when lightning struck a tree which fell onto it. The church was located on Rocky Spring Road in Docounty. The time was estimated.       0       0       5K       Lightning         GAZ036-044       Clarke - South Fulton 12       0655EST       0       0       Cold       The coldest air of the 1997-1998 winter set new record low temperatures of 19 degrees at Hartsfield airport in Atlanta and degrees at Ben-Epps airport in Atlents.       0       0       50K       Thunderstorm Wind         Forsyth County 3 S Cumming       20       0545EST       0       0       50K       Thunderstorm Wind         Hall County 2 S Murrayville to       20       06625EST       9       100       10       96       15M       Tornado (F3)		00	1 43050			0					
Fire station 5 reported dime size hail.         Walker County Chickamauga       08       1715EST       0       0       Hail (0.75)         Dodge County       Eastman       08       1400EST       0       0       5K       Lightning         A church was damaged when lightning struck a tree which fell onto it. The church was located on Rocky Spring Road in Docounty. The time was estimated.       0       0       5K       Lightning         GAZ036-044       Clarke - South Fulton 12       0       0       0       Cold         It       0       0       0       50K       Thunderstorm Wind         Base and the representation off Kelly Mill Road received damage from thunderstorm winds. Sumerous trees were downere southern Forsyth county.       0       0       50K       Thunderstorm Wind         Ball County       20       0545EST       0       0       50K       Thunderstorm Wind         South Fulton       0       0       50K       Thunderstorm Wind       100       10       96       15M       Tornado (F3)	8 NE Franklin	08				0	0		Hail (0.75)		
Chickamauga081715EST00Hail (0.75)Dodge County Eastman081400EST005KLightningA church was damaged when lightning struck a tree which fell onto it. The church was located on Rocky Spring Road in Docounty. The time was estimated.005KLightningGAZ036-044Clarke - South Fulton 120655EST00Cold10120655EST00Cold10109615MThunderstorm WindForsyth County 3 S Cumming200545EST0050KThunderstorm Wind109615MTornado (F3)		Fire st			nail.						
Dodge County       Eastman       08       1400EST       0       0       5K       Lightning         A church was damaged when lightning struck a tree which fell onto it. The church was located on Rocky Spring Road in Docounty. The time was estimated.         GAZ036-044       Clarke - South Fulton 12       0       0       Cold         The coldest air of the 1997-1998 winter set new record low temperatures of 19 degrees at Hartsfield airport in Atlanta and degrees at Ben-Epps airport in Athens.       Cold         Forsyth County       3 S Cumming       20       0545EST       0       0       50K       Thunderstorm Wind         Five homes in a subdivision off Kelly Mill Road received damage from thunderstorm winds. Numerous trees were downer southern Forsyth county.       Numerous trees were downer southern Forsyth county.         4 Hall County       20       0625EST       9       100       10       96       15M       Tornado (F3)		00				0					
Eastman081400EST005KLightningA church was damaged when lightning struck a tree which fell onto it. The church was located on Rocky Spring Road in Docounty. The time was estimated.GAZ036-044Clarke - South Fulton 120655EST00Cold120655EST00ColdThe coldest air of the 1997-1998 winter set new record low temperatures of 19 degrees at Hartsfield airport in Atlanta and degrees at Ben-Epps airport in Athens.Forsyth County 3 S Cumming200545EST0050KThunderstorm WindFive homes in a subdivision off Kelly Mill Road received damage from thunderstorm winds. Numerous trees were downe southern Forsyth county.Hall County 2 S Murrayville to200625EST9100109615MTornado (F3)	0	08	1715ES1	Ľ		0	0		Hail (0.75)		
A church was damaged when lightning struck a tree which fell onto it. The church was located on Rocky Spring Road in Docounty. The time was estimated.         GAZ036-044       Clarke - South Fulton 12 0655EST       0 0       Cold         12 0655EST       0 0       Cold         The coldest air of the 1997-1998 winter set new record low temperatures of 19 degrees at Hartsfield airport in Atlanta and degrees at Ben-Epps airport in Atlents.         Forsyth County 3 S Cumming       20 0545EST       0 0       50K       Thunderstorm Wind         Five homes in a subdivision off Kelly Mill Road received damage from thunderstorm winds. Numerous trees were downe southern Forsyth county.       Hall County         2 S Murrayville to       20 0625EST 9 100 10 96 15M       Tornado (F3)		08	1400ES?	ſ		0	0	5K	Lightning		
GAZ036-044       Clarke - South Fulton 12       0       0       Cold         12       0655EST       0       0       Cold         The coldest air of the 1997-1998 winter set new record low temperatures of 19 degrees at Hartsfield airport in Atlanta and degrees at Ben-Epps airport in Athens.         Forsyth County 3 S Cumming       20       0545EST       0       0       50K       Thunderstorm Wind         Five homes in a subdivision off Kelly Mill Road received damage from thunderstorm winds. Numerous trees were downer southern Forsyth county.       Numerous trees were downer       Tornado (F3)		A chu	irch was dama	iged when lig	htning struck a	a tree which fel	l onto it.			ad in Dodg	
120655EST00ColdThe coldest air of the 1997-1998 winter set new record low temperatures of 19 degrees at Hartsfield airport in Atlanta and degrees at Ben-Epps airport in Athens.Forsyth County 3 S Cumming200545EST0050KThunderstorm Wind Five homes in a subdivision off Kelly Mill Road received damage from thunderstorm winds. Numerous trees were downe southern Forsyth county.Hall County 2 S Murrayville to200625EST9100109615MTornado (F3)	C 1 7026 044	•	5								
The coldest air of the 1997-1998 winter set new record low temperatures of 19 degrees at Hartsfield airport in Atlanta and degrees at Ben-Epps airport in Atlanta.         Forsyth County         3 S Cumming       20       0545EST       0       0       50K       Thunderstorm Wind         Five homes in a subdivision off Kelly Mill Road received damage from thunderstorm winds. Numerous trees were downer southern Forsyth county.         Hall County       20       0625EST       9       100       10       96       15M       Tornado (F3)	GAZ036-044					0	0		Cold		
Forsyth County 3 S Cumming       20       0545EST       0       0       50K       Thunderstorm Wind         Five homes in a subdivision off Kelly Mill Road received damage from thunderstorm winds. Numerous trees were downer southern Forsyth county.         Hall County         2 S Murrayville to       20       0625EST       9       100       10       96       15M       Tornado (F3)		The co	oldest air of t	he 1997-1998		*		res of 19 degrees at		lanta and 2	
3 S Cumming200545EST0050KThunderstorm WindFive homes in a subdivision off Kelly Mill Road received damagefrom thunderstorm winds. Numerous trees were downe southern Forsyth county.Hall County 2 S Murrayville to200625EST9100109615MTornado (F3)		degree	s at Ben-Epps	airport in Atl	nens.						
Five homes in a subdivision off Kelly Mill Road received damage from thunderstorm winds. Numerous trees were downer southern Forsyth county. Hall County 2 S Murrayville to 20 0625EST 9 100 10 96 15M Tornado (F3)			0545FS"	ŗ		0	0	50K	Thunderstorm Wi	nd	
Hall County 2 S Murrayville to200625EST9100109615MTornado (F3)		20		-							
2 S Murrayville to 20 0625EST 9 100 10 96 15M Tornado (F3)				bdivision off	Kelly Mill R	oad received da	amage m	on munderstorm win	us. Numerous trees wer	e downed	
	3 S Cumming	Five h	homes in a su		Kelly Mill R	oad received da	amage m	om munderstorm win	las. Numerous trees wer	le downed	
	3 S Cumming Hall County	Five h southe	homes in a su ern Forsyth co	unty.	-		-			e downed .	

	St	orm D	ata an	d Unus	sual W	eath	er Phenon	nena
		Fime Local/	Path Length	Path Width	Number		Estimated Damage	March 199
Location	Data	Standard	(Miles)	(Yards)		Injured	Property Crops	Character of Storm
GEORGIA, North and	d Centra	<u>ıl</u>						
White County 5 S Cleveland to 4 SE Cleveland	<b>20</b> F4MH, I	0635EST 0640EST	4	100	2	75	5M	Tornado (F3)
	The torn Aerial ar Elementa were den school, k	ado began in ad ground sur ary School an nolished or d illing the dri	rveys by NW d North Hall amaged. Larg	S employees sl High School. H e areas of fores e other 11 pers	nowed extensi louses, trailers st were flatter	ve dama , busines ned. A tra	ge along the path. Th ses, and agricultural in actor-trailer truck was	istance covered was about 13 mile ere was significant damage to Lan nterests (namely the poultry industr thrown 100 feet from the road into ge path varied from 50 to 200 yard
Gordon County 3 S Ranger to 1 E Ranger	31	2330EST 2335EST			0	3	600K	Thunderstorm Wind
	north a 1 and mov	line thunders nobile home	was ripped fi	om its foundat	ion and destru	oyed. The	e 4 mile long damage	a East Damascus Road. About a m path began just north of highway along the path. Winds were estima
GEORGIA, Northeast	<u>t</u>							
GAZ010-017	Rabun 11 12	- Habersha 1600EST 0200EST	ım		0	0		Snow
			st charge into nowfall of 1 to		ns of northea	st Georg	ia late on the 11th	as very cold and windy condition
Rabun County Wiley Rabun County	20	0712EST			0	0		Thunderstorm Wind (G50)
Pine Mtn	Georgia.	A previously	tornadic sev	ere thunderstor	m that produc	ed a larg	e tornado to the south	Thunderstorm Wind (G50) a strong cold front across northea west of Rabun county moved acro the Hall and White county tornado.
GEORGIA, Southeast	<u>t</u>							
GAZ088-101	Screver 01 31	- Effingha 0000EST 2359EST	am		0	0		Flood
	The Sava ft on the	nnah river at 12th. Flood		ft. The Ogee			•	avannah river at Clyo crested at 18 a. Flood stage is 9.0 ft. These rive
Tattnall County Glennville	08	1655EST 1700EST			0	0		Hail (1.75)
Tattnall County 9 WNW Glennville	08	1700EST 1705EST			0	0		Thunderstorm Wind (G55)
Chatham County 18 WSW Savannah	08	1920EST			0	0		Thunderstorm Wind (G52)
GEORGIA, Southwes GAZ121-123>127-130- 142>147-155>156- 158> 160	Clay - (			ugherty - Le Thomas - Bro			ll - Early - Miller -	Baker - Mitchell - Colquitt -
158>160	08 21	1200EST 0000EST			1	1	161M	Flood
	flooding.	Baker, Be	n Hill, Cook	, Colquitt, Do	ugherty, Lee,	Miller, 1	Mitchell, Terrell, Dec	March 7-9 which caused widesprea catur, Early, Brooks, Colquitt, Cla Hill County, floodwaters claimed t

Seminole, Calhoun, Thomas, and Worth counties were declared federal disaster areas. In Ben Hill County, floodwaters claimed the life of a Irwinville man whose vehicle overturned. In Baker County, several homes and businesses were flooded in Newton. 100 residents within the Newton city limits were evacuated. Numerous county and secondary roads were closed. Flooding along the Itchuaway-Nochaway Creek forced additional evacuations at Milford. The Flint River crested at Newton near 36.4 feet on March 12. In Brooks County, the Little River overflowed its banks which closed the Antioch Road bridge. Several county and secondary

		Time	Path Langth	Path	Number		Estimat			March 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Person Killed	s Injured	Damag Property	e Crops	Character of Storm	
GEORGIA, Southw	<u>vest</u>									
	Count secon- reside washe subdiv 84 at 1 as we Doug 500 h down Creek vehicl Highw sustai Skipp Portio Miller gallon numer closec Nume as res Count and tr Thom	ty, 25 resident dary roads we nts were displa- do ut. In De visions of Bair Brinson. The ell as several herty County, omes were dan stream housing f flooded 30 he te through a ba way 19 were do ned minor flo er Bridge, Litt ons of Valdosta r County, Spri- ras of raw sew rous roads as of a lalong Spring rous creeks ar idences on Ce ty, homes alor railers had wa asville near	s were evacu re closed. Th aced and a fev ccatur County bridge. 20 cc Elberta Crate factories, bus nearly 11,000 maged. Many g developmen omes at Dama urricade at Ce closed to floc oding in the le River, and a flooded, esp mg Creek and age spilled in county creeks g Creek and in thutaries on ntury Road in ng the Ochloc ter up to the	ated. Hardest I e Camilla Road v streets in Norri v, approximately ounty roads and Company lumb inesses, and ho residents were city schools we t. The Flint Riv uscus. Several I dar Springs. No dwaters. The North Hamptor Franklinville R ecially along the some streams ov to south Colqu and streams ov. Fishpond Drain overran their ba n Dawson. The	iti areas were a bridge was clo nan Park were f / 185 families 60 homes were er yard sustaine omes. The Fli evacuated in A re closed incluc er creested at 3 nomes in Saffol umerous county Muckalee Cree n subdivision ( oads flooded. right bank of t verflowed their itt and some ci erflowed their b . In Terrell C nks. Homes ale Kinchafoonee ere evacuated as e Lake Riversid	long Indi sed to hig flooded. I evacuated damaged d flood da nt River of Jbany. Sc ling Alban 6.9 feet (t) d and Jak of a	an Creek, In h water in M in Cook Court l their home . Spring Creater amage. Flood crested near vy College. V hird highest) in were flood ndary roads near 17.1 fe lownstream f ses along the coochee Rive Sumerous coo were floode Seminole Co o county road wer Kinchaft Dawson cress acceded 18 fe ewart Avenue	dian La oultrie. nty, seves s in the ek overf dwaters 34.7 fe nd coun Waters of on Marr ded. Or were close t at La from the E Little r which unty and d. In N ounty, se ds and oonee R ted near eet and near	gerous road conditio ke, and Bear Creek. Several Moultrie He eral county and secon e Flint River Height flowed its banks closi submerged much of set at Bainbridge on ty roads were floode overflowed the right h ch 11. In Early Court e man was injured w osed. In Lee County eesburg on March 9 e river gage). In L River sustained minor o crested at 22.5 feet of d dirt roads were imp Mitchell County, hig everal secondary and State Highway 55 v oad and creek were of 21.7 feet on March road access was impor The Ochlockonee econdary roads were	75 county and busing Authority dary roads were s and Riverdale ing US Highway West Bainbridge March 13. In d. An estimated bank levee into a atty, Long Branch whe he drove his , portions of US . A few homes owndes County, or flood damage. on March 11. In bassable. 10,000 h waters closed state roads were were impassable. damaged as well 10. In Thomas bassible. Houses River crested at
GAZ142	M32V Early 08 Large Hiltor	y 1210ES e pine trees de		airoad tracks at	0 intersection of	0 Rock Hi	<b>1K</b> ill and Frien	dship R	High Wind oads (approximately	2 miles east o
Calhoun County										
Leary			Γ in Leary. C	-	0 Rail tracks wa	0 shed out	between Lea	ry and	Hail (1.25) Arlington. Flooding	g reported at the
Forly County	inters	ection of High	lways 62 and	33.						
Early County Blakely	<b>19</b> Dime	1900ES 1910ES	Г	ely and 6 miles	0 south of Blakel	0			Hail (0.75)	
GEORGIA, West C				, <u>,</u> oo						
GAZ089	Muse 08	cogee 0945CS' 1500CS'	Г	- Chattabasa ha	0 Discusion Carlo	0	<b>30K</b>	0	Flood	
	Mino	r nooding occ	urred along th	e Chattahooche	e River in Colu	nous, cau	sing a park to	get no	oued.	
<u>HAWAII</u> HIZ002>005	01 31	0000HS 2359HS	Г Г	waii - Molok	0	0 ord keepi	ng hegen in '	1874 7	Drought	d driest January
	throug Below averag than 2	gh March perio v average prec ge rainfall. Si 25 percent of a	od for Honolu eipitation occu xty-seven of verage. This	lu since 1874. urred statewide the 73 rain gaug continued the si	in March, with ges reported les x month trend o	all first s than 50 of drier tha	order and all percent of av an usual cond	l autom verage f litions fo	This was also the thir ated rain gauges rec for the month, while or the entire state. across the Pacific Oc	eiving less than 35 received less

In the first half of March, weather patterns were dominated by a strong upper level jet stream across the Pacific Ocean north of the islands and multiple periods with upper level ridges over and to the west of the state. These combinations of phenomena responsible for the rainfall shortage are indicative of how El Nino affects weather in the state of Hawaii.

		Time	Path	Path	Num	iber of	Estim	ated		March 1998
		Local/	Length	Width	Per	rsons	Dam	age		
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	

#### **HAWAII**

During the second half of the month, the ridge at all levels of the atmosphere shifted north. This resulted in the surface high northeast of the islands strengthening and moving to a more average early spring position. The shift in weather patterns brought stronger trade winds, which then produced more trade wind showers for the windward sides of the islands. This added rainfall has helped relieve some of the very dry conditions in windward areas. However, much more rain is needed to get beyond the longer term drought situation.

#### Oahu:

Below average precipitation again occurred in March as frontal systems that usually pass through or near the islands did not materialize. The greatest negative anomaly was in the leeward parts of the island, especially the central and southwest sections. The southwest side of Oahu, in the Waianae area (which is leeward of the Waianae Mountain range), saw the driest conditions. Only 2 to 20 percent of average precipitation (0.04 to 0.61 inches) occurred. Even what are usually the wettest sections of the island, the northeast facing windward areas and higher elevations of the Koolau Mountain range, received only 25 to 45 percent of average rainfall.

#### Maui County:

Molokai and Lanai were below average at reporting stations, with Lanai City receiving 1.64 inches (44 percent of average rainfall). Island of Maui reporting stations showed below average precipitation at all locations as well. Negative anomalies were especially noted in areas with a dependence on synoptic scale precipitation in March, such as Lahainaluna, Kihei, and Ulupalakua. This continues the several month period of very dry conditions in those locales. Zero to 18 percent of average rainfall occurred in those areas, with no rain at Kihei and 0.42 of an inch at Lahainaluna. The rainfall total for Kihei over the past 8 months has been 1.83 inches, which is only 14 percent of the average of 13.5 inches.

#### Hawaii County:

A dry pattern continued on the Big Island, with all areas seeing well below average rainfall. However, this is one island where the return of trade winds and showers was significant in helping to relieve some of the driest conditions in the state.

The island wide negative precipitation anomaly is likely due to the decreased frequency of frontal systems and, also, possibly due to weaker or drier than average trade winds in the first half of the month. The Kona side of the island, dependent on convective precipitation and, this time of the year, on synoptic scale precipitation patterns, was well below average at all reporting locations. Honaunau, south of Captain Cook, and Kealakekua were stations with the greatest negative rainfall anomaly with only 8 and 18 percent of average precipitation, 0.42 of an inch and 0.99 of an inch, respectively.

#### Kauai:

All reporting stations had below average rainfall for the month. The most negative anomalous precipitation amounts in March occurred in the south and southwest portions of the isle, with only 22 to 38 percent of average rainfall there. The east side of the island from Kapahi to Lihue received the greatest amounts of precipitation, but the totals were only 45 to 73 percent of average.

The following are rainfall statistics (in inches) for selected locations on Oahu, Maui, the Island of Hawaii, and Molokai for March 1998. For comparison, the average for the month and percent of average, respectively, are listed for each site in the next two columns. The following two columns represent the rainfall totals and average rainfall totals for the three month period January-March. The last three columns show rainfall totals from March 1994, March 1987, and March 1983, which were other El Nino-influenced time periods.

	Mar. 98	Avg.	%Avg.	3 Month	Avg./3 months	Mar94	Mar87	Mar83
Oahu								
Honolulu	0.03	2.2	1	1.01	8.0	3.77	0.31	0.53
Waianae	0.04	2.5	2	0.87	8.6	4.23	0.15	1.66
Hawaii Kai	0.87	3.9	22	2.48	11.7	4.80	0.40	N/A
Manoa								
Lyon A	5.92	14.4	41	14.69	37.8	27.43	4.17	2.12
Waialua	0.24	3.8	6	2.90	13.3	4.14	1.62	2.03
Ahuimanu								
(windward)	2.30	10.6	22	10.43	31.9	N/A	4.80	N/A
Maui								
Kahului	0.18	2.7	7	1.03	9.7	4.23	0.57	1.12
Hana	1.16	9.5	12	2.36	25.8	27.54	3.50	2.32

		Time		ith	Path		Number of	Estima			March 1998
Location	Date	Local/ Standard		ength (liles)	Width (Yards)	Kil	Persons led Injured	Dama Property	ige Crops	Character of Storm	
HAWAII											
	Kihe		0.00	2.1	0	0.73	8.4	2.07	0.03	0.18	
		inaluna	0.42	2.4	18	0.64	9.5	1.28	0.00	0.00	
	Wail	uku	0.71	3.6	20	2.27	12.6	9.99	2.27	1.40	
		of Hawaii		10.0			24.4	10.10	4.50		
	Hilo	1.	3.67	13.9	26	6.21	34.1	18.48	4.79	0.05	
	Paha Hona	iunau	0.32	6.3	5	0.54	20.1	8.20	0.96	0.52	
		tain Cook)	0.42	5.1	8	1.46	12.0	2.66	2.00	0.01	
	Kam		2.57	7.9	33	7.58	20.5	3.31	1.35	0.09	
	Laup	ahoehoe	6.02	19.5	31	9.46	46.2	N/A	4.77	0.01	
	Molok	ai									
	Kaur	nakakai	0.38	1.8	21	2.51	7.7	0.00	0.00	0.40	
	Comm	nercial flow	ver growe	ers on the	Island of ]	Hawaii co	ntinued to suffer	under droug	ht conditi	ons. Many farmers	were conserving
										s had estimated pro	
	about	20 percent	from Dec	cember th	rough mid	-February.	Growers fear th	ne losses will	climb, co	sting them millions	of dollars.
	The di	rought reac	hed a crit	tical leve	in parts of	f Maui T	he flow in the W	Vailoa ditch d	ropped to	21 million gallons.	During average
										County Mayor Li	
										was declared, the	
										three East Maui v	
					der a mand rcent, exce			nsumption res	striction.	Officials then aske	a the residents to
		2	C								
	disable	ed well wa	is repaire	d and br	ought back	on line.		rvation notice		trict on the Island or residents to reduce	
HIZ001>006	·		•		•		okai - Lanai				
	09	12001	HST				0 0			High Surf	
	10 Storm islands			of the H	awaiian Isl	ands gene	rated surf of 8	to 12 feet on	north an	d northwest facing	shores on all the
Honolulu County											
Pearl City	11 16	1200I 1800I					0 0			Wild/Forest Fi	ire
				ed as a b	rush fire th	at burned	more than 1200	acres came c	lose to W	aiawa Correctional	Center and Pearl
										ipio Gentry subdivis	1
							slope, out of the was \$75,000.	reach of fire	fighters o	n foot. The estimat	ed cost of Army
HIZ001>006							okai - Lanai				
1112/001/000	11	2000I		- 15ianu	Of Hawa		0 $0$ $0$ $0$			High Surf	
	12	1300I	HST							0	
						•		0 feet on wes	t facing s	hores of all the islan	ds.
HIZ001>006				- Island	Of Hawa	aii - Mol	okai - Lanai			II: -h Ce	
	11 13	20001 06001					0 0			High Surf	
		e storm lo		rth/northv	vest of the	state cau	sed surf of 10 t	o 15 feet on	north and	d northwest facing	shores on all the
HIZ001>006			- Mani	- Island	Of Haw	aii - Mol	okai - Lanai				
1112/001/000	13	12001		Istanto						High Surf	
	15	06001								5	
						*		15 feet on we	st facing	shores on all the isla	ands.
HIZ001>006				- Island	Of Hawa	aii - Mol	okai - Lanai 0 0			II:ah Sf	
	13 16	1200I 0200I					0 0			High Surf	
				th/northv	vest of the	Hawaiian	Islands generate	ed surf of 12	to 18 fee	et on all north and	northwest facing
	shores	of all the i	slands.								-

		Time Local/	Path Longth	Path	Number Persor		Estimate		March 199
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)		is Injured	Damag Property	e Crops	Character of Storm
HAWAII									
Hawaii County									
Pahoa	14	1500HST			0	0			Wild/Forest Fire
	17	0900HST		150 1					
1117001.007				n 150 acres threa			s subdivision s	south of	Panoa.
HIZ001>006	Kauai 17	1200HST - 1200HST		d Of Hawaii	- MOIOKAI - 1 0	Lanai 0			High Surf
	18	0400HST			U	U			Ingli Sull
	Storm 1	low far northw	est of the sta	ate caused surf o	of 6 to 12 feet o	n north a	nd northwest f	acing s	hores of all the islands.
HIZ001>006				d Of Hawaii					
	19 20	1000HST 0100HST			0	0			High Surf
				lands produced s	surf of 8 to 10 f	eet on no	orth and northw	vest fac	ing shores of all the isles.
HIZ004		l Of Hawaii							
	21	0600HST			0	0			High Wind (G61)
	23	0900HST							-
				70 mph occurre			launa Kea and	Mauna	i Loa.
HIZ001>006		Oahu - M - 1100HST - 1		d Of Hawaii	- Molokai - I 0	Lanai 0			High Surf
	22 24	1100HS1 1800HST			U	U			High Surf
	Station			t of the state cau	sed surf of 12	to 18 feet	on north and	northea	st facing shores of all the islands.
DAHO, Extreme Sou	utheast								
	NONE	REPORTED.							
DAHO, North									
	NONE	E REPORTED.							
IDAHO, Northwest									
IDZ001-001-004		ern Panhan	dle - Shosl	hone					
	04 05	0830PST 0450PST			0	0	25K	0	Heavy Snow
			ifed on Hwy	y 95 just north o	f Bonners Ferr	y due to s	now and ice		
Nez Perce County	1	5	•						
Lewiston	05	1645PST			0	0	0	0	Funnel Cloud
	Spotter	r reported funn	el cloud wh	ich did not touc	h down				
DAHO, Southeast									
Bannock County									
Lava Hot Spgs	24	0840MST			0	0			Hail (0.75)
		0852MST							
DAHO, Southwest									
IDZ004	Shosh		•		0	0			н
	01 02	2200MST 0600MST			0	0			Heavy Snow
IDZ005>006-011				tains - South	ern Clearwa	ter Mor	intains - We	st Cer	tral Mountains
102000/0000011	01	2200MST		South	0	0	intuinis iite	St CCI	Winter Storm
	02	0600MST							
								n the V	Vest Central Mountains, Clearwat
ID7014			•	. Kellogg receiv	ed 8 inches of	new snov	Ν.		
IDZ014	Upper 04	Treasure V • 0500MS1			0	0			Winter Storm
	<b>.</b>	0800MST			U	v			miner Storm
		morning of M	Iarch 4, a lo			nches of a	accumulation of	ver sou	th east Boise. Twenty to thirty min
			-	on area roadway					
IDZ021>022				South Central		~			<b>.</b>
	04	1400MST 2100MST			0	0			Winter Storm
	A wint			l ice coated road	s and disrupted	l traffic ir	1 south eastern	Idaho	Interstate 15 was closed briefly ne
				c accidents were					· · · · · · · · · · · · · · · · · · ·

		Time	Path	Path	Number	of	Estimated	Ma	arch 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persor Killed	ıs Injured	Damage Property Crops	Character of Storm	
IDAHO, Southwest			. ,	( ) )		5			
Twin Falls County 2 S Twin Falls to 2 W Twin Falls	23 A seve	1619MS 1625MS are thundersto	Т	dime and nickel	0 sized hail near	<b>0</b> • Twin Fa	lls	Tstm Wind/Hail	
IDZ012	Lower 23	r Treasure 2200MS	Valley T		0	0		Flood	
	24 The W	2200MS eiser River a		slightly above f	ood stage due	to snow n	nelt. No damage wa	is reported.	
Canyon County 4 S Caldwell	24 Weath	1415MS er spotters an		vision station rep	0 ported a small f	0 unnel clor	ud near Caldwell.	Funnel Cloud	
IDZ015>016-022		west Highl 0000MS	ands - Wes T	tern Magic V				Heavy Snow	
	night of	f March 29th	round a low p and the more	ning of March 3	0th. Local hea	vy snow		e over south central Idah Valley and the surrounding me.	
ILLINOIS, Central									
ILZ027>031-036>038- 040>057	Witt -	Piatt - Ch		Vermilion - C				chuyler - Mason - Log gamon - Christian - M	·
	08 09	2200CS 2200CS		0	2	0		Winter Storm	
	8th. Th tapered Numero control	he snowfall p l off, snowfa ous accidents of their vehi	ersisted over all amounts r were reporte cles due to the	night with a mix anged from 2 i ed with dozens o e trecherous road	ture of freezing nches in Coles f minor injuries 1 conditions. E	g rain and s county s. Two m Even after	snow in our southe to over 6 inches in hen died in separate	over to snow in the evenir astern counties. By the tir n Knox, Peoria, and Fult accidents in Peoria county ed, gusty winds to 50 mph M41VE, M52VE	ne the snow on counties. y as they lost
Scott County		1-1-00	-		0		<u>_</u>		_
Countywide	27 Numer	1725CS 1800CS ous large tre	Г	ower lines were	<b>0</b> blown down th	0 roughout	0 Scott county	Thunderstorm Wi	nd
Schuyler County			r						
Camden to 5 E Rushville	27	1747CS 1810CS			0	2	1M 0	Thunderstorm Win	nd (G52)
5 E Rusivile	sustain windov rear wa satellit	inderstorms inderstorms inderstorms inderstorms and severe blow all of one busing and sheet and	noved throug fter being str on out in Rus iness to colla communicati	uck by a tree li hville and a roof pse and another ions antennas we	mb while they was torn off o lost its roof in ere torn off the	were sta f a recycl Rushville roof of a	inding in their yard ing plant 5 miles ea . Also, numerous ca	a bins in Camden. A Ca watching the storm pass. st of Rushville. The wind ars at two dealerships were a storage building was der	Numerou s ls caused th e damaged, 2
Cass County Beardstown		<b>1808CS</b> I large trees e estimate wa	were blown d	lown and some s	0 iding was take	0 n off of o	0 ne home in Beardst	Thunderstorm Win own. No injuries were rep	
Fulton County Astoria to	27	1810CS	Г		0	0	0	Thunderstorm Win	nd
Farmington	signs, t blown	trees, tree lin down and tl	nderstorms manual nderstorms manual nderstorms nd nderstorms nde	er lines were blo	own down. At some damage	the same	time in Avon, num rous trees, tree limb	homes were damaged, sev erous power lines and tree os, and power lines were	e limbs were
Sangamon County 2 E Pleasant Plains to Mechanicsburg	27	1825CS 1850CS			0	0	88.5K 0	Thunderstorm Win	nd

#### Storm Data and Unusual Weather Phenomena March 1998 Path Estimated Time Path Number of Local/ Length Width Persons Damage Location Date Standard Killed Character of Storm (Miles) Property Crops (Yards) Injured **ILLINOIS, Central** A line of severe thunderstorms moved rapidly across Sangamon county causing scattered reports of damage. Two miles east of Pleasant Plains, a semi was blown over and 3 cars were blown off the road. In Chatham, some siding was blown off of a house. In Springfield, a grain bin was blown over, a large tent was destroyed, and numerous trees, tree limbs, and power lines were blow n down. Three miles west of Mechanicsburg, an open side hay shed was destroyed. Also, just south of Mechanicsburg, a large metal storage shed was destroyed and its contents were damaged including a combine, tractor, and a two-ton grain truck. So far, damage has been estimated around \$88,500. No injuries were reported. **Menard Countv** 2 S Petersburg to 27 1830CST 0 0 0 Thunderstorm Wind Athens 1835CST Thunderstorm winds blew down numerous trees along Route 97 two miles south of Petersburg and destroyed a transformer in Athens. No injuries were reported and no damage estimate was available. **Knox County** 1835CST 2 S Abingdon to 27 0 0 0 Thunderstorm Wind 2 E Altona 1858CST A line of severe thunderstorms moved across Knox county. A semi was overturned two miles south of Abingdon. Numerous trees, tree limbs, and power poles were blown down. Two miles east of Altona, a garage was destroyed. No injuries were reported and no damage estimate was available. **Peoria County** 6 S Elmwood to 27 1843CST 0 0 Thunderstorm Wind (G54) Peoria 1910CST As a line of severe thunderstorms moved through Peoria county, numerous reports of damage were received. Six miles south of Elmwood, several small greenhouses and a metal building were damaged. In Peoria, a 200 foot by 75 foot section of the post office garage roof was blown off and curled into a ball and the second story of an abandoned business collapsed due to the thunderstorm winds. No injuries were reported. Throughout the county numerous trees, tree limbs, power poles, and power lines were blown down. No damage estimate was available. Mason County 1 E Allen 27 1845CST 0 0 0 Thunderstorm Wind Numerous trees and power lines were blown down 1 mile east of Allen. No injuries were reported and no damage estimate was available. Logan County 1847CST 0 San Jose to 27 0 0 Thunderstorm Wind (G61) Chestnut 1910CST As a line of severe thunderstorms moved through Logan county, numerous reports of damage were received. A greenhouse in San Jose was damaged and in Mt. Pulaski two buildings sustained roof damage, a storage shed was damaged, and numerous large tre e limbs were blown down. In Chestnut, a 1-ton truck was blown over on Route 54. No injuries were reported and no damage estimate was available. **Tazewell County** 0 500K Green Vly to 27 1855CST 0 0 Thunderstorm Wind (G52) Morton 1910CST A line of severe thunderstorms moved through Tazewell county. A 60 mph wind gust was recorded in Delavan and numerous trees & tree limbs were reported blown down in Green Valley, South Pekin, and Tremont. In Morton, the thunderstorm winds caused \$500,000 in damage to a car dealership as shingles, rocks, and other debris were blown onto over 300 cars, knocking out windows on some and causing large dents in others. No injuries were reported. Stark County **5** S Wyoming to 27 1908CST 0 0 0 Thunderstorm Wind 5 W Bradford 1915CST Numerous large trees were blown down. Several fell down across Hwy 93 five miles west of Bradford. No injuries were reported and no damage estimate was available. **De Witt County** Clinton 27 1920CST 0 0 0 Thunderstorm Wind Thunderstorm winds blew down numerous power lines in Clinton. No damage estimate was available. **Marshall County** 1920CST 0 Sparland to 27 0 0 Thunderstorm Wind 1932CST Henry Thunderstorm winds blew down numerous power lines and power poles in Sparland and Henry. No injuries were reported and no damage estimate was available. Mclean County 1932CST 0 Bloomington 27 0 0 **Thunderstorm Wind (G54)** Numerous large tree limbs were blown down. One fell down onto an unoccupied car, causing the roof to cave in. No injuries were reported and no damage estimate was available.

#### **Storm Data and Unusual Weather Phenomena** March 1998 Estimated Path Number of Time Path Local/ Length Width Persons Damage Date Location Standard Killed Character of Storm (Miles) Property Crops (Yards) Injured **ILLINOIS, Central Moultrie County** 27 1940CST 0 0 Lovington 0 **Thunderstorm Wind** Thunderstorm winds destroyed a shed and blew over a large tree just south of Lovington. No injuries were reported and no damage estimate was available. **Champaign County** 28 0515CST 90K 0 0 0 **3 SW Philo** Thunderstorm Wind Thunderstorm winds tore out the entire west side of one home, destroyed the framing members of a house under construction, damaged a garage, and blew a mobile home off of its foundation. In all six homes, two barns, a trailer, and a shed were damaged 3 miles southwest of Philo. No injuries were reported and damage was estimated around \$90,000. **Coles Countv** 0525CST 1.5 220 0 3 1 SW Mattoon to 28 3M 0 Tornado (F2) 1 E Mattoon 0532CST A tornado touched down 1 mile southwest of Mattoon and travelled to the northeast. It damaged 4 homes in the initial touchdown area and then crossed a set of railroad tracks turning over 4 empty 30-ton coal cars. After crossing the railroad tracks, the tornado hit a self-storage facility, where six of the ten buildings in the complex were destroyed. The tin and steel girder buildings were not bolted down to the cement slabs, so they were lifted up, "wadded up" into a big pile, and deposited downstream about 200 yards. Further to the northeast, it damaged or destroyed numerous homes and businesses before lifting. It remained aloft for several blocks, then touched down again, tearing off treetops and damaging several roofs in the area. It lifted again and touched down a final time about a block away. Damage in this area was to tree tops and roofs. Overall, the tornado was on the ground for 1.5 miles and it either damaged or destroyed 120 homes and businesses. Damage is estimated between \$2.5 and \$3 million. Two people sustained minor injuries and one 9 year old child was seriously injured when a picture frame blew off the wall, hit her in the back , and cut her, causing her left lung to partially collapse. **ILLINOIS**, Northeast ILZ006-012>014-Lake - Kane - Du Page - Cook - La Salle - Kendall - Grundy - Kankakee - Livingston - Iroquois - Ford 019>021-023-032>033-039 09 0400CST A 0 Heavy Snow 1100CST A strong low pressure system brought a late winter storm to northeast Illinois the morning of March 9th. The low, which originated in the southwestern U.S., took an east-northeast track, reaching central Illinois by the evening of the 8th. Precipitation began in the form of rain out ahead of this system, and then changed over to heavy snow in the pre-dawn hours on the 9th. The heavy snow continued through the morning hours and had ended by noon. Six to 12 inches of heavy, wet snow fell across much of northeast Illinois. Strong winds combined with the heavy snow damaged power lines and tree limbs throughout northeast Illinois. More than 300,000 households had lost power, with some places without electricity for up to 4 days. Along Lake Michigan, high winds generated high waves, which flooded and closed sections of Lake Shore Drive and also caused beach erosion and lakefront park damage. Estimated damage to the lakefront parks alone totaled nearly half a million dollars. Heavier snowfall totals reported: Will County: Peotone-12 inches, Crete-11 inches, NWS office/ Romeoville-9 inches, Manhattan-8 inches, and in Plainfield-8 inches. Cook County: Midway Airport-11 inches, Park Forest-9 inches, and O'hare Airport-6 inches. DuPage County: Winfield-8 inches, Wheaton-7 inches, Downers Grove-6 inches, Geneva-6 inches and in Aurora-6 inches. Kankakee: Bourbannais-8 inches and Kankakee-8 inches. La Salle County Peru to 27 2000CST 0 0 Thunderstorm Wind (G50) Marseilles 2015CST Winds to 50 mph were reported at Peru by the Peru police. Strong winds downed power lines and trees. **ILLINOIS**, Northwest ILZ001>002-016>018-Jo Daviess - Stephenson - Henry - Bureau - Putnam - Mercer - Henderson - Warren - Hancock - Mcdonough 024>026-034>035 0 08 1200CST 0 Heavy Snow 09 1130CST Bands of heavy snow fell across eastern Iowa and Northwest Illinois resulting in numerous road and school closures. Most

Bands of heavy snow fell across eastern Iowa and Northwest Illinois resulting in numerous road and school closures. Most locations reported amounts ranging from 2 to 6 inches with 6 to 9 inches under the heaviest bands. The heavy snow coupled with earlier rain and sleet also caused extensive power and telephone outages over northern Illinois.

		Time	Path Longth	Path	Numbe		Estimated	March 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Perso Killed	Injured	Damage Property Crops	Character of Storm
LLINOIS, Northwest								
Mcdonough County								
Colchester to Good Hope	27	1813CS7	ſ		0	0		Thunderstorm Wind (G63)
	Winds	s were measure	ed 6 miles no	rth of Argyle La	ake State Park.			
Mcdonough County								
Macomb	<b>27</b> Car de	1815CST ealership sign		own.	0	0	1K	Thunderstorm Wind (G56)
Warren County								
Roseville	27 Grain	1830CST bin was blown			0	0	2K	Thunderstorm Wind
Warren County								
Monmouth	27	1834CS7			0	0	0.50K	Thunderstorm Wind
	Winde	ow was blown	out at County	y Jail.				
Mercer County								
Aledo	27	1849CS7	Г		0	0		Thunderstorm Wind (G55)
	Nume	rous trees and	power lines v	were downed.				
Mercer County								
Preemption	27	1910CS7	Г		0	0	3K	Thunderstorm Wind
	Winds	s knocked dow	n a barn and	numerous powe	er poles.			
Rock Island County								
East Moline	27	1915CST	Г		0	0	3K	Thunderstorm Wind
		1918CS7						
	Police	car and anoth	er vehicle we	re damaged wh	en a large sign	was blow	vn onto the vehicles.	
Henry County								
Geneseo	27	1920CST	Г		0	0		Thunderstorm Wind (G60)
	Large	tree and powe	r line blown	down and block	ing Wolf Road	l near Ro	ute 82.	
Rock Island County Moline to	27	1920CST	Г		0	0		Thunderstorm Wind (G52)
Port Byron								
	Down	ed trees and p	ower lines ca	used power outa	ages affecting	3250 elec	tric customers.	
Henry County								
Geneseo	27	1922CST	ſ		0	0		Thunderstorm Wind (G61)
Whiteside County								
Fulton	27	1925CST	Г		0	0		Thunderstorm Wind (G52)
	Down	ed trees and p	ower lines ca	used numerous	power outages	across th	ne city.	
Bureau County								
Princeton	27	1933CST	Г		0	0		Thunderstorm Wind (G57)
	Nume	rous trees and	power lines v	were downed by	thunderstorm	winds.		
Bureau County			-	-				
Mineral to	27	1935CST	Г		0	0		Thunderstorm Wind (G52)
Wyanet								
•	Many	locations were	e without pow	ver across weste	rn half of the	county.		
Bureau County								
Wyanet	27	1935CST	Г		0	0		Thunderstorm Wind (G55)
	Nume	rous trees and	limbs were b	lown down.				
Carroll County								
Savanna	27	2012CST	Г		0	0		Thunderstorm Wind (G58)
Suvuilla				across Route 4				Thuhuerstorin (Coo)
Carroll County		I						
Savanna to	27	2016CST	Г		0	0		Thunderstorm Wind (G60)
Wacker		20100051			Ū	Ū		Thuhueistorini (Coo)
	Large	blown down t	ree was block	ing Wacker Ro	ad.			
LLINOIS, South	C			-				
ILZ092	Alexa				~	~		
	21	0200CST			0	0		Flood
	28 The N	1000CS7 Iississippi Riv		35.5 feet at Th	ebes, where fl	ood stage	e is 33 feet. This resu	lted in minor flooding of agricultura

The Mississippi River crested at 35.5 feet at Thebes, where flood stage is 33 feet. This resulted in minor flooding of agricultural bottomlands and river access roads.

		Time	Path	Path	Numbe		Estimated		March 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Perso Killed	ns Injured	Damage Property Crops	Character of Storm	
ILLINOIS, South				. ,		5			
ILZ087-092>094	Gallat	tin - Alexan	der - Pulas	ski - Massac					
	22	0600CST			0	0		Flood	
	31 The Of	2359CS nio River cres		e flood stage at	several location	ns. This r	esulted in some minor	r flooding of agricult	ural bottomlands
	and riv	er access roa	ds. The rive	r crested right	at the 37 foot	flood sta	ige at Brookport, 3 f		
11 7004			.6 feet above	the 40-foot floo	od stage at Cair	о.			
ILZ084	Jackson 22	on 0800CSI	r		0	0		Flood	
	31	2359CST	Г			~ .			
							ige at Murphysboro. 7 r. Moderate flooding		
		roads occurre	* *	which backed u	p die Dig Mu	duy Rive	1. Woderate Hooding	of some agricultura	i areas and river
ILZ076-084	Wayn	e - Jackson							
	26	1100CST 1500CST			0	0	10K	High Wind (G	50)
	Strong			to 30 MPH wit	h higher gusts	Gusts w	vere estimated near 58	3 MPH on the highe	r elevations from
	Marion	and Carbond	lale northeast	to Fairfield in V	Wayne County	. Limbs, l	oranches, and a few p	ower lines were blow	n down in these
		No significan gh pressure o		-	urred. The stro	ong wind	s were caused by lov	v pressure over the l	Plains interacting
	with m	gii piessuie o	ver the Atlan	ue coast.					
Franklin County									
5 S Benton	28	0030CST			0	0		Thunderstorm	Wind (G52)
	Strong	thunderstorm	n winds snapp	bed trees along I	nterstate 57 be	tween Be	nton and West Frankf	fort.	
ILLINOIS, Southwest	+								
ILZ058>059-095>097-	-	o Macour	in Adam	s - Brown - P	iko Iorsov	Madia	<b>n</b>		
099>100	Green	ie - Macoup	nii - Auain	S - DIOWII - I	ike - Jeisey	· Iviauis	011		
	08	2300CST			0	0		Winter Storm	
	09 A late y	1300CS winter snow s		d between 1 to (	5 inches of sno	w across	west central and sout	hwest Illinois. The h	eaviest snow fell
							ons in Adams County		
	the maj	or problems	caused by the	storm.					
Calhoun County Hardin	27	1736CST	r		0	0		Thunderstorm	Wind (C50)
marum				d trees in Hardin		U		1 nunuer stor m	wind (050)
<b>Brown County</b>									
Mt Sterling	27	1740CST	Г		0	0		Thunderstorm	Wind (G56)
Brown County Timewell	27	1747CST	r		0	0		Thunderstorm	Wind (C56)
Thiewen				over on Highwa			warn spotters reporte		
Jersey County									
Jerseyville	27 Thund	1750CS		d trees and pow	0 er lines	0		Thunderstorm	Wind (G52)
Macoupin County	Thund	cistoini wind	gusts downed	a trees and pow	er mies.				
14 W Carlinville	27	1800CS7			0	0		Thunderstorm	Wind (G55)
a a .	Thund	erstorm wind	gusts destroy	ed a storage but	lding and blew	part of t	he roof off a barm.		
Greene County Carrollton	28	0208CST	r		0	0		Hail (0.75)	
INDIANA, Central	20	02000051			v	U		Han (0.75)	
Bartholomew County									
5 W Columbus	08	2158EST	ſ		0	0		Hail (0.75)	
Marion County									
Lawrence	08 Warm	2224EST			0 Ulan Darla	0		Hail (0.88)	
INZ028>029-035- 043>044	warr	en - Tippec	anoe - Fou	ntain - Vermi	mon - Parke				
0102011	10	0700EST	ſ		0	0		Flood	

		Time Local/	Path Length	Path Width	Number Person		Estimated Damage	March 1998
Location	Date	Standard	(Miles)	(Yards)		njured	Property Crops	Character of Storm
NDIANA, Central								
						nt the W	abash River above ba	nkful to effect some local river road
INIZ0295 020 025		ttomland agricul				Vice	Sullivon Vnor	
INZ028>029-035- 043>044-051-060-067	warr	en - Tippecan	ioe - Fount	ain - vermi	шоп - Рагке	- vigo	- Sullivan - Knox	
0432044-031-000-007	19	0700EST			0	0		Flood
	31	0700EST						
								e Wabash River. The flooding agai
								he river exceeded flood stages by on counties will be listed again in Apri
		Data to show the					ary April. These same	countes will be listed again in April
INZ053>054-061-		- Morgan - C	-	• •				
067>068	0							
	21	0700EST			0	0		Flood
	27	2359EST	1.1	20.1				
								White River in central and southwes act was felt mainly on river roads an
		lannd areas prio	-		es were exceed	eu by se	veral leet but the http:	act was felt manny on fiver foads an
INZ071	Jacks	-						
	21	0700EST			0	0		Flood
	24	0700EST						
								several feet above flood stage. Th
Johnson Country	impact	ed mainly local	river roads ai	nd bottomland	agricultural are	eas prior	to spring planting in t	the Seymour area.
Johnson County Princes Lakes	28	0430EST			0	0	1.5K	Thunderstorm Wind
I THICES Lakes	20	0430EST 0432EST			U	U	1.31	Thunderstorm wind
	Thund	erstorm winds b	lew down tre	es and power	lines.			
Johnson County								
Smith Valley	28	0430EST			0	0	1.5K	Thunderstorm Wind
	Thund	0433EST erstorm winds b	lew down tre	es and nower	lines			
NDIANA, Northeast	Thund		iew down de	tes und power	lines.			
Kosciusko County Oswego	28	0840EST			0	0	1K	Thunderstorm Wind
0311050		lown down in to	wn. shed de	stroyed.	Ū	Ū		Thunderstorm white
Miami County				-				
(Gus)Grissom Afb Per	28	0905EST			0	0		Thunderstorm Wind (G65)
Miami County								
(Gus)Grissom Afb Per	28	0918EST			0	0		Thunderstorm Wind (G65)
Whitley County								
Laud	28	1005EST	0.1	10 d causing tree	0 damage and m	0 oderate	damage to one home.	Tornado (F0)
Allen County	sinan t	iomado touched	uown in Lau	u causing tree	damage and m	oucraic	damage to one nome.	
Ft Wayne	28	1015EST			0	0	5K	Thunderstorm Wind
20000		1030EST			-	-		
								ver lines down as well. Trees up to
	feet in	diameter 3 mile	s south of Ba	aer Field at US	S 27 and Thomp	oson Roa	ad.	
Allen County	20	1021567	0.2	50	0	0	2517	
Harlan	28	1021EST 1023EST	0.3	50	0	0	25K	Tornado (F1)
	small t		down in Har	lan. It damag	ed a cabinet fac	tory and	completely destroyed	l a mobile home.
NDIANA, Northwest								
INZ001>004-010>011	Lake	- Porter - La	Porte - St.	Joseph - Ne	wton - Jaspe	r		
	09	0800EST			0	0		Heavy Snow
	11	1600EST		1. 1.			1 · · ·	
								March 9th. The low, which originate
	in the s			ist-normeast ff	ack, reaching C	uuai Ill	mors by the evening (	of the 8th. Precipitation in the form o
	rain be	gan out ahead o	f this system	, and changed	l over to a heav	v. wet s	now between 7am an	d 8am (est). The snow continued in

main storm event and causing additional snowfall accumulations of 2 to 6 inches.

		Time	Path	Path	Num	Number of		ated		March 1998
- ·		Local/	Length	Width	Per	sons	Dam	age		
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	

#### **INDIANA**, Northwest

The combination of strong winds and heavy snowfall brought traffic to a standstill on stretches of I-65 and Interstate 80/94 in Indiana. Some drivers were stranded for as long as 18 hours. Many homes were without electricity, as numerous power lines were downed due to the weight of the heavy, wet snow. Also, tree limbs and branches were downed.

Total snowfall storm totals reported: Lake County: Merriville-18 inches, and Crown Point-12 inches. Porter: Valparaiso-15 inches. LaPorte County: Rolling Prarie-18 inches, Stillwell-16 inches, LaPorte-between 13-16 inches, MIchigan City 13.5 inches, and Westville-13.5 inches. Elkhart County: Elkhart-10.5 inches, and Goshen-between 6-8 inches. St. Joseph County: South Bend-16.5 inches, Walkerton-14 inches, and in Mishawaka-12 inches.

#### **INDIANA, South Central**

NONE REPORTED.

#### INDIANA, Southeast

NONE REPORTED.

#### **INDIANA**, Southwest

Pose	У			
26	0900CST	0	0	Flood
30	1900CST			
The	Wabash River crested less	an a foot above flood stag	e at Nev	w Harmony, causing very minor flooding of low 1
botto	mlands.	_		

#### IOWA, Central

**INZ085** 

IAZ024>028-033>039-044>050-057>062-070>075-081>085-092>096

Humboldt - Wright - Franklin - Butler - Bremer - Sac - Calhoun - Webster - Hamilton - Hardin - Grundy -Black Hawk - Crawford - Carroll - Greene - Boone - Story - Marshall - Tama - Audubon - Guthrie - Dallas -Polk - Jasper - Poweshiek - Cass - Adair - Madison - Warren - Marion - Mahaska - Adams - Union - Clarke -Lucas - Monroe - Taylor - Ringgold - Decatur - Wayne - Appanoose 07 2100CST 1 0 2M Heavy Snow 08 2359CST

lying

A powerful storm system developed over the southern Rockies and advanced into the southern Plains. The storm moved northeast across Missouri into Illinois leaving Iowa in the deformation zone for an extended period of time. While the low was advancing northeast, a strong Arctic high pressure cell located over northern Canada dropped southeast toward the U.S. The high was near 1055 mb, while the low pressure was near 990 mb. This resulted in a tight pressure gradient over Iowa through the storm. An initial area of light snow advanced across the state and changed to freezing rain and sleet over the southwest and central counties during the evening of the 7th. The ice accumulation was not very significant however. The precipitation changed over to snow during the late evening and early morning hours. By the predawn hours of the 8th, significant snow was falling over a large part of southwest into central Iowa. During the late night hours into the early morning of the 8th, the snow became convective with thundersnow reported as far north as central Iowa. Winds increased on the 8th with north winds of 30 to 50 MPH reported over all of Iowa on the 8th into the 9th. The snow was very wet in consistency. As a result, there was considerable drifting and some blowing. True blizzard conditions did not occur over a widespread area, but were reported locally. The winds caused huge drifts which blocked most east to west highways in the state. Snowfall over the area affected ranged from 8 to 12 inches in most areas. Heavier amounts were reported over central into southwest Iowa. Numerous reports of 12 to 14 inches were received in a 30 mile wide area extending from Des Moines, southwest to the southwest Iowa border. One of the heaviest storm total snowfall reports came from Windsor Heights with 15.4 inches. Indianola and Perry both reported between 13.5 and 14 inches of snow. Some unofficial reports from around the Creston area were received in the 20 inch range. Sixteen inches was reported in Clarke County and also in Carroll County. With the large amounts of snow and the winds, drifts of 15 to 20 feet in depth were common. The heavy drifts closed most highways in the state on the 8th. One death occurred. An 81 year old Female died of exposure when she attempted to travel from the Osceola Nursing and Rehabilitation Center to the Calvery Bible Church. Churches were closed over a large part of Iowa. Shopping malls were closed for the entire day Sunday. School districts were already closing on Sunday for Mondays classes. Many schools remained closed for 2 to 3 days. Hundreds of people were stranded by the snow and forced to stay put for one to two days. Spotty power outages occurred, but there were no reports of widespread power outages. With conditions as they were, a few areas were without power for 4 days. The storm was costly in terms of snow removal. The State of Iowa estimated the storm cost \$4 million to clear highways. Four days after the snow fell, the Iowa D.O.T. reported in excess of 1000 miles of highway still blocked by snow. The National Guard was called out to help rescue people as well. Eleven counties were declared disaster areas by the State of Iowa. They were Polk, Adams, Madison, Warren, Mills, Montgomery, Adams, Union, Clarke, Page, and Taylor. Following the storm, Arctic air swept into the state to make matters worse. Temperatures dipped to -24 at Bedford and

		Time	Path	Path	Number		Estimated	March 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persor Killed	1s Injured	Damage Property Crops	Character of Storm
IOWA, Central								
	the sta weathe crop, h \ F810	te fell below z er conditions of nowever true ex DU	zero for at le f February, fl atent will not	ast one to two i owering plants a be known for m	nights followir and trees were any months.	ng the st fairly ac	torm. It is significant lvanced. Serious dama	corded so late in the season. Most of to note that following the very mild age occurred to much of the state fruit
IAZ004>007-015>017- 023>028-033>039- 044>050-057>062- 070>075-081>086- 092>097	Wrig Craw Powe Monr	ht - Franklir ford - Carro shiek - Cass oe - Wapello	n - Butler - oll - Greend - Adair - M o - Taylor -	Bremer - Sac e - Boone - Sto Iadison - Wa	: - Calhoun - ory - Marsha rren - Mario	· Webs all - Ta on - Ma iyne - A	ter - Hamilton - Ha ıma - Audubon - G ahaska - Adams - U Appanoose - Davis	Pocahontas - Humboldt - ardin - Grundy - Black Hawk - uthrie - Dallas - Polk - Jasper - Jnion - Clarke - Lucas -
	17	0200CST 1400CST			U	0	299.9K	Ice Storm
	the sha early n freezin with m central of the to fall had wa able to north w classes	allow Arctic ai morning hours of rain began to host areas picki and north wer 17th. By noon over the north armed to near to warm roads a was generally for the day du	r in place, th of the 17th a o fall over so ing up about e light at this and parts of o a little abound trees to t under one qu ie to the ice.	the stage was set s winds became uthern Iowa sho one tenth inch o point. Heavier attres warmed a the central cour ve freezing. Ev he point that ici arter inch. Trav There was little	for an ice stor southerly aloft rtly after midn of ice across th freezing rain s bove freezing tties. By mid en though read ng was no lon vel was diffict e damage how	rm. Sub in adva ight and spread in over the afternoo dings we ger a pr ilt over ever as t	b freezing temperature ince of an approaching spread north quickly. third of the state by su to the north two thirds southern part of the st n, temperatures over the ere below freezing ove oblem. The total accu Iowa for a period of the	ch of the week or so following. With s were in place over Iowa during the upper level low pressure area. Light Amounts were not all that excessive, unrise on the 17th. Amounts over the s of the state during the early morning tate, while the freezing rain continued he central and north parts of the state r the north, the strong March sun was umulation of ice over the central and time. Many school districts cancelled and the ice accumulation was not great widespread.
<b>Black Hawk County</b>								
8 S Waterloo	30	1330CST			0	0		Hail (0.88)
Dallas County Waukee Dallas County	30	1438CST			0	0		Hail (0.75)
3 E Waukee Polk County	30	1438CST			0	0	2К	Hail (1.50)
Grimes Polk County	30	1447CST			0	0	1K	Hail (1.00)
West Des Moines Polk County	30	1448CST			0	0		Hail (0.75)
Ankeny Marion County	30	1455CST			0	0	1K	Hail (1.00)
Red Rock Mahaska County	30	1530CST			0	0		Hail (0.75)
Nanaska County New Sharon Black Hawk County	30	1600CST			0	0	50K	Thunderstorm Wind (G61)
8 S Waterloo	30	1616CST			0	0		Hail (0.75)
Lucas County 6 S Chariton	30	1618CST			0	0		Hail (0.75)
Davis County 1 W Troy	30	1630CST			0	0	50K	Thunderstorm Wind (G61)
Monroe County Albia	30	1653CST			0	0		Hail (0.75)
Monroe County 3 NE Avery	30	1706CST			0	0		Hail (0.75)
Wapello County Eddyville	30	1714CST			0	0	3K	Thunderstorm Wind (G52)
Davis County Drakesville	30	1720CST			0	0	15K	Thunderstorm Wind (G56)
Wapello County 1 NW Farson	30	1722CST			0	0	10K	Thunderstorm Wind (G52)

		Гime	Path	Path	Number	of	Estimated		March 1998
Location	Data	Local/ Standard	Length (Miles)	Width (Yards)	Person: Killed I	s njured	Damage Property Crops	Character of Storm	
IOWA, Central				· · /		5			
Wapello County 2 W Ottumwa	There with behind the moisture vicinity of numerou fell just with severe with Mahaska were rep Sharon.	as a great co he front. The was in place of the cold fr s reports of the vest of Des N inds. There , and Davis orted over ea The line of s	ntrast across air mass ahe across the str ont. The sto hree quarter to Moines near V were severa Counties. On astern Davis torms did pro	the front with a ad of the front w ate. An upper learness raced north to one inch diama Vaukee. Thoug I reports of hig ne report of 60 County, where a duce one tornad	temperatures i vas quite unsta evel disturband east at nearly eter hail. Hail h there were g h winds over MPH winds v a barn was de o. The tornad	n the up able with ce moved 60 MPF covered susty win southeas vas recei stroyed, o touche	<b>10K</b> Iowa into eastern Kar per 70s to low 80s a surface dew point ter I northeast along the f I. The main weather the ground south of V ds associated with the st Iowa. Most of the ved in Wapello Cour and in Mahaska Cou d down briefly west o	thead of the front, we mperatures around 6 front and set off thur threat with the stor Vaterloo. Hail of ne e storms, very few le wind reports came thy at Eddyville. We muty where damage f Ottumwa, damagin	with 30s and 40s i0 degrees. Deep nderstorms in the ms was hail with arly golf ball size ocations reported e from Wapello, <i>inds of 70 MPH</i> occurred in New
IAZ075-083>086- 094>097	Mahasi	ka - Clarke	- Lucas - N	Ionroe - Wag	oello - Decat	ur - Wa	ayne - Appanoose	- Davis	
	8th. As t and 30th mainly in the state was min	he snow mel brought up t the upper E with some riv	ted, snow me o 4 inches of Des Moines an vers rising a f	It and rainfall br rain over parts nd Raccoon Bas ew feet above fl	ought rivers to of southeast Io ins, became sa ood stage. Th	o near or owa, with aturated. e smaller	90K st was mentioned abo just slightly above flo a 1 to 2 inches elsewf Some minor floodin South river rose near Iowa were rising wi	ood stage. Heavy rai here. Areas that wer g occurred over the rly 8 feet above floo	nfall on the 29th re previously dry, southeast part of d stage. Damage
IOWA, East Central a		-							
IAZ040>042-051>053-			are - Dubu	ave - Benton	- Linn - Jor	nes - Toy	wa - Keokuk - Jeff	reson	
063-076-087	Duchui	un Deium	ure Dubu	que Denton		105 10	a Reonan Jen		
	08 09	1000CST 1100CST			0	0		Heavy Snow	
Benton County 4 W Vinton	30	1409CST			0	0		Hail (1.75)	
Delaware County Delaware	30	1444CST			0	0		Hail (1.00)	
Linn County Palo	30 Strong th	1700CST	dumped 3 inc	hes of rain on P	0 alo	0		Heavy Rain	
Jefferson County	buong u	lunderstorm	dumped 5 me		uio				
Fairfield	30	1816CST			0	0		Thunderstorm	Wind (G52)
Des Moines County Yarmouth	30	1958CST			0	0		Hail (0.75)	
Clinton County .5 E Delmar	12 inche		ross the regio				orthwest Illinois after ng I-80 and I-380 as	•	*
IOWA, Northeast	units up								
IAZ011-019-029>030	08	0400CST 2100CST	-	ette - Claytor	0	0	· 11 · 11	Winter Storm	
Fayette County Wadena	<b>29</b>	0940CST	v was accomp	amed by strong	0	0	g visibility to near zer	Hail (0.75)	ing 5 foot drifts.
Clayton County St Olaf	29	1005CST			0	0		Hail (0.75)	
Chickasaw County Alta Vista	29	1338CST	cials and stor	m spotters repor	0	0	parts of northeast Iov	Hail (0.75)	

	S	torm l	Data ai	nd Unu	sual We	eath	er Phenon	nena	
		Time	Path	Path	Number		Estimated		March 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Person: Killed I	s njured	Damage Property Crops	Character of Storm	
IOWA, Northwest									
	NONI	E REPORTEI	Э.						
<u>IOWA, Southwest</u> IAZ055-069-079>080- 090>091	Harri	ison - Potta	wattamie - ]	Mills - Montş	gomery - Frei	nont -	Page		
0702071	07 08	1600CS			0	0		Winter Storm	
	A maj Heavy 6-15 fe	snowfall of 8 oot drifts com	rm moved the 3 to 14 inches	combined with s and businesse	strong northerl	y winds	hear blizzard conditions of 40 to 45 mph cre days as the strong wi	ated considerable blo	wing snow with
KSZ035-037-054>055- 058>059	Jeffer 07 08 A snov 10 or r the mo Frankf forced Junctio reported decrea The sn gradua betwee Drifts Dicki 19 A sma	rson - Ottav 1700CS' 2100CS' wstorm accommore inches for bost snow with 'ort all received the closing of on City. US F ed. One fatal sed dramatica toow began acco ally changed the en 30 and 50 of 4 to 7 feet nson - Mor 0900CS' 2000CS' 2000CS' 11 but strong s	va - Dickins F panied by blir ell along and n 18 inches. Of do 10 inches. f at least 22 U Highway 75 w accident occu lly southeast of way of the common mph mph crowere common ris - Lyon - F Storm produce	on - Geary - zzard condition: north of a line f ther higher amo Strong winds - US and state hi as closed betwe urred in norther of the Kansas T North Central k early evening eating blizzard with drifts exc Osage - Coff d a heavy wet s	Morris - Wal 1 s dumped 6 or n rom Holton in J ounts included C combined with 1 ghways, includi ten Topeka and 1 n Dickinson Co urnpike with litt Cansas during lat to shortly after or near blizzard eeding 10 feet re tey - Anderson 0 snow but accum	ore inc ackson entralia the snow ng 60 n the Neb unty du le accur the aftern midnigi d condit eported <b>1</b> <b>0</b> ulations	the - Shawnee - Dour 150K hes of snow northwes County to Belleville i 15, Blaine 13, and Hé raska boarder. Numer e to a head on collision nulation south of Inter toon on the 7th. Rain ht. Winds increased tions by noon, mainly in extreme cases. F45 10K were held down due	aglas - Lyon - Osa Blizzard         t of the Kansas Turnp n Republic County.         iolton 11. Belleville,         bolton 11. Belleville,         ice out conditions in         from the west side of         rous accidents and str         on between two cars.         rstate 35.         in Northeast and Eas         after midnight on the         y northwest of the K         SVE         Snow         to mixed precipitatio	ge Sabetha reported Washington, and many areas and Topeka to near anded cars were Snowfall totals t Central Kansas e 8th with gusts ansas Turnpike.
	County	y to Abilene i	n central Dicl	kinson County.	Diamond Sprin	ngs rece	to 4 inches south of a eived a locally higher		
KSZ039	Shaw	•	меозно каріа	s 5, Osage City	2, Miller 2, and	Counci	n 010ve 2.		
	26	0700CS' 1200CS'			0	0		High Wind (G4	44)
		gusted to are	ound 50 mph,		grounding wire eported a gust to		torn from a voltage li h at 1027 AM.	ine in the southwest	part of Topeka.
Dickinson County Sand Spg	27	0630CS	Г		0	0		Hail (0.75)	
Coffey County 3 S Le Roy	27	1730CS	Г		0	0		Hail (0.75)	
Anderson County 3 E Westphalia	27	1747CS	Г		0	0		Hail (1.00)	
Ottawa County 3 SW Tescott	29	2000CS	Г		0	0		Hail (0.75)	
Cloud County 5 NE Miltonvale	29	2020CS	Г		0	0		Hail (1.75)	
Cloud County Aurora Ottawa County	29	2020CS	Г		0	0		Hail (0.75)	
Tescott Clay County	29	2055CS	Г		0	0		Hail (1.00)	
Morganville	29	2145CS	Г		0	0		Hail (1.00)	

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Numbe Perso Killed		Estim Dam Property		Character of Storm	March 1998
KANSAS, East			. ,	( ) )		,	1 2	1		
Marshall County Marysville	29	2243CST			0	0			Hail (0.75)	
Washington County Morrowville	29	2350CST			0	0			Hail (0.75)	
Wabaunsee County Volland	30	0330CST winds destroyed	l a hay shed	and tore shing	0	0	2K		Thunderstorm	Wind (G50)
Pottawatomie County	buong	winds desiroyed	a u nuy shee	and tore shing.		i or u nou				
Blaine	30	1030CST			0	0			Hail (1.00)	
Lyon County 2 E Admire	30	1205CST			0	0			Hail (1.00)	
Wabaunsee County 2 NW Harveyville	30	1205CST			0	0			Hail (0.75)	
Shawnee County 6 SW Topeka	30	1220CST			0	0			Hail (0.75)	
Osage County Melvern	30	1406CST			0	0			Hail (0.75)	
Jefferson County 5 SW Mc Louth	30	1425CST			0	0			Hail (0.75)	
Douglas County 2 W Lawrence	30	1438CST			0	0			Hail (0.75)	
KANSAS, Extreme So	outhea	<u>st</u>								

#### NONE REPORTED.

#### KANSAS, North Central

KSZ005>007-017>019	Phillips 07 12	- Smith - Jewell - Rooks - Osborne - M 1600CST 1200CST	itchell 0	0	300K	0	Winter Storm
	weekend. light rain	late season winter storm belted north central The storm developed in the southwest United and freezing rain fell across north central Kans imes, lasted through the night before ending by	States an as on Sat	d slowly mo urday the 7th	ved northe 1, before cl	ast acros	s the Central Plains. A mixture of
	Fortunate accidents	ay, an increasing north wind gusting to 50 mpl ly, ample lead time and accurate forecasts giv on area roads. The dollor amount of losses w of cattle were reported killed.	ve most r	esidents the	choice to	stay at h	nome, thus limiting the number of
	across the	wind subsided some by Monday morning of the region. Morning low temperatures dropped b ggled for 25 degrees.	,				
KSZ005>007-017>019	15	- Smith - Jewell - Rooks - Osborne - M 0600CST	itchell 0	0	75K	0	Ice Storm
	central K	<b>1800CST</b> ratures remained steady near the freezing mark ansas. The most significant icing occurred the sburg. Roads were nearly impassible with seve	night of t	he 16th. Wi	despread p	0	, e
Osborne County 3 S Osborne	29	2241CST	0	0	0	0	Hail (0.75)
Osborne County Downs	29	2305CST	0	0	0	0	Hail (0.88)
Mitchell County Glen Elder	29	2308CST	0	0	0	0	Hail (0.75)
Jewell County Mankato	29	2312CST	0	0	0	0	Hail (0.75)

		Time	Path	Path	Number		Estimated	March 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed I	s njured	Damage Property Crops	Character of Storm
KANSAS, Northeast								
KSZ057		0000CST 2359CST	rred along th	e Marais Des Cy	<b>0</b> ygnes River on t	<b>0</b> he 18th ai	nd 19th.	Flood
	Osawat Flood S	tomie, KS		8 ft 3/18 to 3/19 Estimated 29.0	) ft on 3/18			
Miami County 3 NW Paola	<b>27</b> Nickel	<b>1859CS</b> size hail was		the public 3 mile	0 es northwest of 1	<b>0</b> Paola.		Hail (0.88)
Atchison County 3 SE Muscotah	<b>30</b> The At	1250CS tchsion Count		fice reported on	0 e inch diameter	0 hail durin	ng a severe thunderste	Hail (1.00) form 3 miles southeast of Muscotah.
Leavenworth County Basehor to Lansing			r ported golfba		<b>0</b> ng a severe thun	0 derstorm	in Basehor. Elsewhe	Hail (1.75) re, Lansing Police reported dime-siz
KANSAS, Northwest KSZ003>004-015>016- 029		ring the same ur - Norton			Gove			
022	07 08 Snowfa	0600CS7 0600CS7 all of 5 to 10 i	ſ	panied by winds	<b>0</b> s 30-40 mph wh	<b>0</b> ipped up o	drifts 6 to 8 feet.	Winter Storm
KSZ041>042	18 19	ey - Wichita 1800CS7 0600CS7 all of 5 to 7 in	r r	ompanied by wi	<b>0</b> ands 15 to 25 mp	0 oh. The he	eaviest snow was ove	Winter Storm
Sherman County 10 S Goodland	26	1837MS			0	0		Hail (0.88)
Wallace County Weskan	<b>26</b> Hail uj	1852MS		hes deep.	0	0		Hail (0.75)
Wallace County 13 SSW Sharon Spgs	<b>26</b> Dime l	1910MS hail also report		Sharon Springs	<b>0</b> at 1903 MST.	0		Hail (0.75)
Thomas County 2 S Colby	<b>26</b> Power	2000CS7		r pivot irrigation	0 n rigs destroyed.	0	100K	Thunderstorm Wind
Thomas County Colby	<b>26</b> Amate	<b>2051CS</b> ur radio spott			0	0		Hail (0.88)
Sheridan County 1 SW Selden	26	2130CST	•		0	0		Hail (0.88)
Wichita County 13 N Leoti	<b>26</b> Hail co	2142CS ombined with		vindows.	0	0	1K	Hail (0.75)
Logan County 9 NE Russell Spgs	<b>26</b> Hail ac	2145CST ccompanied b		er than 60 mph.	0	0		Hail (0.88)
Gove County 9 WSW Grinnell	26	2215CST	ſ		0	0		Hail (0.88)

	_					-		<b>N</b> 1 1000
		Time Local/	Path Length	Path Width	Number Person		Estimated Damage	March 1998
Location	Date	Standard	(Miles)	(Yards)	Killed 1	injured	Property Crops	Character of Storm
KANSAS, Northwest	TT-11		(0.70					
Sheridan County	Hail aco	companied b	y 60-70 mph	winds.				
8 SE Tasco	26	2230CST	Г		0	0		Hail (0.75)
Gove County	26	2330CST	r.		0	0		H-3 (1 00)
14 SE Gove KANSAS, Southeast	20	2550C51	L		U	U		Hail (1.00)
KSZ032>033-047>053-	Russel	l - Lincoln	- Barton -	Ellsworth - S	aline - Rice -	Mcphe	erson - Marion - C	hase - Reno - Harvey - Butler -
067>069-082	Kingm	an				_		-
	07 08	1700CST 1000CST			0	0		Blizzard
	intensifi highway	essure positio ed, 6-8 inch ys were close	oned over the snowfalls co ed for 2-3 day	mbined with gu	sty northeast wi alls around 3 ind	nds of 4	0-50 mph to whip up	d River on the 7th & 8th. As the low 7-10 foot drifts. Most businesses and ingman and Harvey counties but with
KSZ032>033-047>050- 067-091	• •		-		aline - Rice -	Reno -	Harper	
	16 17	2000CST 1000CST			0	0	1 <b>M</b>	Ice Storm
	upslope South-C Central poles res	that, when c central Kansa Kansas with sulted includ	combined with as. The freez the greater a ing a 300-foo	th strong 850-m ting rain combi ccumulation act of radio tower th	b warm advecti ned with northe oss Russell and at toppled over	on, prod ast wind Barton d in northe	luced widespread free ds of 20-30 mph to p counties. Extensive da ern Russell County.	trong, sub-freezing northeast surface zing rain across Central and parts of roduce 1/2-1 inch of glazing across mage to trees, power lines and power
KSZ051>052-067>070-			rion - Reno	) - Harvey - E	Sutler - Green	wood -	· Kingman - Sedgv	vick - Harper - Sumner -
082>083-091>093	Cowley 19	y 0600CS1	Г		0	0		Heavy Snow
Ellsworth County	19th. As Kansas	s the low lift with locally	ed northeast heavier amo	across Oklahor	na and Missouri oot in parts of S	it inten	sified, spreading 6-10	Panhandle early on the morning of the inch snowfalls across South-Central d Butler counties. This was the worst
2 SE Black Wolf	29	1945CST	Г		0	0		Hail (0.75)
Lincoln County 2 NE Westfall	29	1955CST	Г		0	0		Hail (0.88)
Barton County Albert	29	2315CST	r		0	0		Hail (1.00)
Russell County 9 S Russell	29	2325CST	r		0	0		Hail (0.75)
Lincoln County		2020001			Ū	Ū		
Vesper	30	0004CS1	Г		0	0		Hail (0.75)
KSZ099	Montg 31	omery 0812CST 0815CST			0	0	100K	High Wind (G65)
	High w			the roof off a rea	staurant in Coffe	eyville.		
KANSAS, Southwest	T		<b>.</b>	NDI	<b>TT 1</b> 1/	• 7		
KSZ030>031-043>046- 061>066-074>081-								man - Pawnee - Stafford - Stevens - Seward - Meade -
084>090	Clark	- Comanch	e - Barber	•				
	07 08	1346CST 0300CST			0	0		Blizzard
	Blizzard causing 6 inches	l conditions zero or near	occurred acr zero visibilit	ties. Final snow	fall totals ranged	d from 3	to 4 inches in Finney	reral hours with 30 to 40 mph winds Seward and Comanche counties to rd counties. Drifts were as high as 8
KSZ044-061-063		Hamilton				~		
	11 Extreme	0600CST ely cold temp		urred with gusty	0 winds. Temper	0 atures fe	ell to 2 degrees at Digh	<b>Extreme Cold</b> aton6 degrees at Garden City with a

		Time	Path	Path	Number	of	Estimated		March 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Person		Damage Property Crops	Character of Storm	
KANSAS, Southwest									
KSZ030-030>031-031- 043-043>044-044>045- 045>046-046-061>063- 063>064-064>065- 065>066-066-074>076- 076>077-077>078- 078>080-080>081-081- 084>087	Trego	- Ellis - Sc	ott - Lane - · Haskell - (		Hamilton -	Kearny	y - Finney - Hodge Pratt - Morton - S 1.2M		
KSZ030>031-043>046- 061>066-074>081-	17 Ice stor such as falling fell dow in some <b>Trego</b>	0253CST rm occurred v radio towers completely th vn with a repo e places. A U - Ellis - Sco	r vith anywhere . Every radio irough a cab orted 6 inches SDA weather ott - Lane -	station in the are of a pickup. For s of ice accumula related disaster <b>Ness - Rush</b>	of ice accumula ea had damage tunatelyno or ation. 1450 pow was declared. • <b>Hamilton -</b>	tion on r due to th ne was in ver poles <b>Kearny</b>	roadways to several in ne ice accumulation. T nside at the time. KRI a came down across th y - Finney - Hodge	ches of ice accumula here was one report PH's 800 foot radio to e area. Power was ou man - Pawnee - S	of a chunk of ice ower completely at for 4 to 6 days
084>087	5tanto 16	1300CST		Gray - Foru -	Euwarus - F	o o	Pratt - Morton - S	Ice Storm	- Meade
	17 Ice stor Every r chunk o tower c as long	0230CS7 rm occurred v radio station i of ice falling completely fel	F with anywhere in the area ha completely t l down with some places.	ad damage due t hrough the cab	o the ice accur of a pickup. Fe es of accumula	tion on r nulation ortunatel tion. 14	roadways to several ir and ice falling off th lyno one was inside 50 power poles came as declared. Over 65	tches of ice accumula e towers. There wa at the time. KRPH down across the area	s one report of a 's 800 foot radio . Power was out
KSZ030>031-043>046-							y - Finney - Hodge		
061>066-074>081- 084>090		on - Grant - Comanch		Gray - Ford -	Edwards - F	lowa -	Pratt - Morton - S	Stevens - Seward	- Meade -
	countie Stafford	s6 to d	Г mulations ran 8 inches FordGray	in PrattEdv FinneyGran	vardsHodgen tMortonSev	nan an ward	Ness counties4 to 6 nd Hamilton cou Meadeand Clark ificant drifting of the	ntiesand 8 to1 counties. 20 to	2 inches in
Morton County 5 NNE Elkhart	26	2220CST	Г		0	0	C C	Hail (1.00)	
Stanton County 1 N Big Bow	26	2220CST	ſ		0	0		Hail (1.75)	
Grant County 9 NW Ulysses	26	2230CST	ſ		0	0		Hail (1.00)	
Kearny County 3 W Lakin	26	2237CST	ſ		0	0		Hail (0.75)	
Finney County 9 SW Friend	26	2300CST	ſ		0	0		Hail (0.75)	
Scott County 4 SW Grigston	26	2315CST	Г		0	0		Hail (1.00)	
Scott County 4 SW Grigston	<b>26</b> 4 to 6 i	2315CST		n.	0	0		Thunderstorm	Wind (G55)
Lane County 1 SW Healy	26	2325CST			0	0		Hail (1.00)	
KSZ077	Gray 26	2330CST 2355CST	r r		0	0	d through A sprinkla	High Wind (G	75)

County experienced strong winds behind a line of showers that moved through. A sprinkler rrigation system was overturned. A shed...fence...tree limbs and power lines were blown down. In addition...a cover was blown off a hot tub.

	Storm Data and Unusual Weather Phenomena											
		Time	Path	Path	Number		Estimated		March 1998			
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Person Killed	s Injured	Damage Property Crops	Character of Storm				
KANSAS, Southwest												
Rush County 14 WSW La Crosse	29	2127CST			0	0		Hail (0.75)				
Stafford County	29				0							
8 N Hudson Clark County	29	2200CST			0	0		Hail (1.00)				
Minneola Ford County	29	2218CST			0	0		Hail (1.00)				
4 SW Ford	29	2222CST			0	0		Hail (0.75)				
Ford County Ford	29	2248CST			0	0		Hail (1.00)				
Edwards County	29	2252CST			0	0		H-9 (1 00)				
Fellsburg Clark County	29	2253CST			U	U		Hail (1.00)				
Minneola Deserves Coursets	29	2254CST			0	0		Hail (0.75)				
Pawnee County Rozel	29	2254CST			0	0		Hail (0.75)				
Meade County 7 SE Meade	29	2255CST			0	0		Hail (0.75)				
<b>Edwards County</b>												
Offerle Ford County	29	2300CST			0	0		Hail (1.00)				
3 S Ford	29	2305CST			0	0		Hail (0.75)				
Rush County 1 NE Shaffer	29	2310CST			0	0		Hail (0.75)				
Kiowa County Haviland	29	2313CST			0	0		Hail (0.88)				
<b>Rush County</b>	•				<u>^</u>							
Otis	<b>29</b> Dama	2315CST ge occurred to ve	ehicles throug	shout the town.	0	0	50K	Hail (1.25)				
Comanche County 6 NW Coldwater	29	2330CST			0	0		Hail (1.00)				
<b>Edwards County</b>								Han (1.00)				
3 S Lewis Kiowa County	29	2335CST			0	0		Hail (1.00)				
7 S Greensburg	29	2340CST			0	0		Hail (0.88)				
Stafford County 8 N Hudson	29	2350CST			0	0		Hail (1.00)				
Stafford County Stafford	29	2350CST			0	0		Th				
		imbs blown dow	n and shingle	es blown off roof		U		Thunderstorm	willa (Gou)			
Clark County Englewood	29	2356CST			0	0		Hail (0.75)				
Pratt County					0							
Byers Kiowa County	30	0007CST			0	0		Hail (0.75)				
1 W Haviland	30	0015CST			0	0		Hail (0.75)				
Stafford County 11 SW St John	30	0025CST			0	0		Hail (0.75)				
KSZ031	Ellis 31	1700CST			0	0	10K	High Wind				
	Pieces	s of a roof blown	off of a scho	ol.	-							
KENTUCKY, Centra Simpson County	<u>1</u>											
Franklin	08 Nieko	1835EST	ad a		0	0		Hail (0.88)				
	INICKE	l size hail report	eu.									

		Time	Path	Path	Number	of	Estimated	March 199
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Person Killed	ıs Injured	Damage Property Crops	Character of Storm
KENTUCKY, Centr	al							
Allen County								
Settle	<b>08</b> Nicke	1925EST I size hail repo		tter.	0	0		Hail (0.88)
Allen County								
Scottsville	<b>08</b> Dispa	1925EST tch reported nie			0	0		Hail (0.88)
KENTUCKY, Easte	<u>rn</u>							
		E REPORTED						
<u>KENTUCKY, North</u>	east							
KYZ101>103-105	Gree 10 13	nup - Carter 0600EST 0900EST	•	awrence	0	0		Cold
	The co	oldest temperat ere common.	ures of the 9					Kentucky. Afternoon readings in t vith 5 to 10 degrees in outlying run
KYZ101>103-105		nup - Carter 1200EST 2100EST	•	awrence	0	0		Record Warmth
				unusual 6 cons	secutive days.	Afternoo	n readings were in the	80s.
KENTUCKY, North	1	J 1	6		j		8	
	NON	E REPORTED						
KENTUCKY, South	west							
KYZ008-012		hall - Trigg						
1112000 012	26	1030CST 1400CST			0	0	20K	High Wind (G50)
	observ	ed. These stron	ng gusts blew	down some sig	gns and stop lig	hts. A fe		ke region, gusts up to 58 MPH we n power lines. The strong winds we
KYZ004	Balla							
		olown down ne	n advance of					<b>High Wind (G50)</b> out 35 feet tall and 4 feet in diame e general area, bringing more stro
Ballard County								
2 E Wickliffe	<b>27</b> Thunc	2245CST derstorm winds		tree down acro	0 oss power lines	0 on High	<b>3K</b> way 121. Some smalle	Thunderstorm Wind (G50) r trees were down.
LOUISIANA, North	<u>east</u>							
<b>Richland Parish</b>								
Mangham	05 Baseb	2042CST all size hail da		houses and aut	0 omobiles.	0	250K	Hail (2.75)
Richland Parish 5 W Alto	05 Baseb	<b>2045CST</b> all size hail da		s and automobi	0 les.	0	100K	Hail (2.75)
Richland Parish 4 SW Mangham	05 Strong	<b>2054CST</b> g wind damage		f several houses	<b>0</b> s. One out build	0 ing was	50K destroyed and an anter	Thunderstorm Wind
Franklin Parish Baskin	05	2104CST		ofs of houses a	0	0	100K	Hail (2.75)
Franklin Parish Winnsboro	05	2120CST			0	0	80K	Thunderstorm Wind
Morehouse Parish		-	-	eu. A mobile ho			oundation. Many trees	and power lines were blown down.
Bonita	07	0110CST			0	0		Hail (1.00)

		Time	Path	Path	Number	of	Estimated	March 1998	
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Person		Damage Property Crops	Character of Storm	
LOUISIANA, Northe	ast								
Catahoula Parish Harrisonburg	07	0605CST			0	0		Hail (1.75)	
East Carroll Parish Lake Providence	07	0715CST	horecond		<b>0</b>	0	25K	Thunderstorm	Wind
Catahoula Parish		-	e damaged a	and numerous tr					
Jonesville	07 Severa	1148CST al houses and a	utomobiles	were damaged b	0 by baseball hail.	0	100K	Hail (2.75)	
Concordia Parish 5 SW Ferriday to 5 S Ferriday	07	1610CST			0	0		Hail (1.75)	
LAZ016	Madi 16 Sever	2230CST	maged and	l power lines we	0 re blown down	0	5K	High Wind	
LOUISIANA, Northw			inaged and	r power lines we	ie blown down.				
Union Parish Downsville	05	1930CST			0	0		Hail (0.75)	
		id totally covere	ed.		U	U		Hall (0.75)	
Union Parish Downsville	05	1930CST			0	0		Hail (0.75)	
Union Parish Downsville	05	1930CST			0	0		Hail (1.75)	
Ouachita Parish Calhoun	05	1935CST			0	0		Hail (0.75)	
Union Parish									
4 SE Downsville Ouachita Parish	05	1939CST			0	0		Hail (1.75)	
<b>3 NE Calhoun</b>	05	1946CST			0	0		Hail (0.75)	
Lincoln Parish Choudrant	05	1950CST			0	0		Hail (0.75)	
Ouachita Parish West Monroe	05	1956CST			0	0		Hail (0.75)	
Union Parish Downsville	05	1935CST			0	0		Hail (1.75)	
Ouachita Parish Calhoun	05	1935CST			0	0		Hail (0.75)	
Union Parish	05	1939CST			0	0			
4 SE Downsville Ouachita Parish								Hail (1.75)	
3 NE Calhoun Lincoln Parish	05	1946CST			0	0		Hail (0.75)	
Choudrant Ouachita Parish	05	1950CST			0	0		Hail (0.75)	
West Monroe Ouachita Parish	05	1956CST			0	0		Hail (0.75)	
West Monroe	05	2002CST			0	0		Hail (2.00)	
Ouachita Parish 4 SE Calhoun	05	2015CST			0	0		Hail (0.75)	
Natchitoches Parish Provencal	06	1850CST			0	0		Hail (1.00)	
Ouachita Parish 5 SE Monroe	07	0115CST			0	0		Hail (0.75)	
La Salle Parish Rogers	<b>07</b> Hail n	0535CST neasured 7.75 i	nches by 9	inches measure	<b>0</b> 1 with a cloth ta	0 pe in ci	rcumference. This wo	Hail (2.75) uld make the hailsto	ne slightly larger

Hail measured 7.75 inches by 9 inches measured with a cloth tape in circumference. This would make the hailstone slightly larger than baseball size.

		Time Local/	Path Length	Path Width	Number of Persons		Estimated Damage		March 1998	
Location	Dete		Is Injured	Property Crops	Character of Storm					
OUISIANA, North	west									
La Salle Parish	07	0 <b>5</b> 40.00T			0	0				
Nebo La Salle Parish	07	0540CST			0	0		Hail (2.75)		
1 E Jena La Salle Parish	07	0550CST			0	0		Hail (2.75)		
Olla Sabine Parish	07	0715CST			0	0		Hail (0.75)		
Negreet	07	0920CST			0	0		Hail (1.00)		
De Soto Parish Mansfield	07	0955CST			0	0		Hail (0.75)		
Caddo Parish Shreveport	from	071300CST11LightningA Ruston, LA woman was killed and her husband seriously injured when lightning stuck the couple as they were pulling auto particles from a salvage yard. The woman was killed instantly when lightning hit the umbrella she was holding.F30OU								
Sabine Parish 5 NE Many	07	1753CST			0	0		Hail (1.75)		
Caddo Parish Shreveport	31	0114CST			0	0		Hail (1.00)		
Caddo Parish Shreveport	31	0117CST			0	0		Hail (1.00)		
LOUISIANA, South	<u>east</u>									
St. Charles Parish Des Allemands	<b>06</b> Small	<b>1300CST</b> er size hail was	reported at o	ther locations a	0 round the paris	0 h. Half i	nch hail fell in Luling.	Hail (1.75)		
St. Charles Parish Destrehan	06	1315CST			0	0		Hail (0.88)		
Terrebonne Parish 4 NNE Houma	06	1513CST			0	0		Hail (0.75)		
	Fire d	epartment perso	nnel near Ba	you Blue repor	ted large hail.	n additic	on heavy rain of 2.5 in	ches fell in 1 to 2 ho	urs.	
Tangipahoa Parish 4 E Kentwood	07	0445CST			0	0		Hail (1.00)		
Iberville Parish Samtown	07	0455CST			0	0		Hail (1.75)		
Iberville Parish White Castle	<b>07</b> Golfb	0500CST all size hail fell 1	for 15 minut	es damaging 15	<b>0</b> vehicles, 2 ho	0 use roofs	s and breaking several	Hail (1.75) windows of another	house.	
Jefferson Parish Gretna	07 Heave	0600CST 1200CST	chas caused	flooding that c	0	0	dways stopping traffic	Urban/Sml Str	eam Fld	
Jefferson Parish Metairie	07	0600CST	ienes caused		0	0	uways stopping traine	Urban/Sml Sti	eam Fld	
		1200CST y rain caused sev	eral maior r	padways to floo						
St. Tammany Parish Mandeville	07	0600CST			0	0		Urban/Sml Str	eam Fld	
	Exten	1200CST sive street floodi	ing resulted	from heavy rair	with water ge	tting into	several houses.			
Orleans Parish New Orleans	07	0830CST	5		0	0		Urban/Sml Str	eam Fld	
		1100CST y rain produced of	extensive str	eet flooding.	-	-				

		Time Local/	Path Length	Path	Number		Estimated	March 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)		1s Injured	Damage Property Crops	Character of Storm
LOUISIANA, Southea	<u>ast</u>							
St. John The Baptist Parish								
Reserve	07	0830CST			0	0		Urban/Sml Stream Fld
	-	<b>1100CST</b> rain of approses around the p	oximately 5 i	nches in 90 mi	inutes caused of	extensive	street flooding with	water reported in some houses and
St. Bernard Parish Chalmette	07	1200CST	[		0	0		Urban/Sml Stream Fld
	Heavy	1800CST rain of 2 to 3.		hours caused se	everal major roa	adways to	o flood stopping traffic	с.
St. Tammany Parish Countywide	07 08	1700CST 0100CST			0	0		Urban/Sml Stream Fld
	Heavy in man and th	v rainfall of 3 to ny communitie ne first floor of	o 5 inches oc s, and caused building nea	l small streams	to go out of th flooded. In Sli	eir banks dell, a fe	. Near the Bogue Fals w homes had minor f	sulting in considerable street flooding aya River several autos were flooded looding. Near Abita Springs, several
St. Tammany Parish Lacombe	07	1720CST	[		0	0		Hail (0.88)
Assumption Parish Napoleonville	<b>07</b> Quarte	1810CST		nield of a Louisi	0 ana State High	0 way Patro	0.30K	Hail (1.00)
St. John The Baptist Parish	Quart		ke the windsi		and State High	way I and	Ji cui.	
Reserve	house	s, downed pow	estimated at ver lines, a tr		six 1000 pour			<b>Thunderstorm Wind</b> nd businesses, toppled trees onto two les were snapped, a party barge was
St. Tammany Parish 10 S Mandeville	07	1945CST 2000CST			0	0		Hail (1.75)
			-	over the middle	part of the Lake	e Pontcha	rtrain Causeway.	
LAZ038-040	Tang 08 09	ipahoa - St. 0000CST 1800CST	Г		0	0		Flood
	statior	ns along the Ta	ungiphoa, Tcl		ogue Falaya Ri	ivers exce	eeded flood stage by	in several rivers. Several gaged rive 1 to 3 feet for a short period of time
East Baton Rouge Parish								
Baton Rouge East Feliciana Parish	16	2000CST	[		0	0	0.20K	Thunderstorm Wind
Clinton St. Helena Parish	16	2100CST	ſ		0	0	0.50K	Thunderstorm Wind
Greensburg			is downed tr					Thunderstorm Wind Louisiana. Downed trees temporarily n down in Baton Rouge.
LOUISIANA, Southw	<u>est</u>							
Lafayette Parish Lafayette	06	1225CST	[		0	0		Hail (0.75)
Jefferson Davis Parish Lake Arthur	06	1240CST	[		0	0		Hail (1.00)
Lafayette Parish Lafayette	06	1245CST	2		0	0		Hail (0.75)
Vermilion Parish Gueydan	06	1300CST			0	0	500K	Tstm Wind/Hail

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		Time Local/	Path Length	Path Width	Numb Pers		Estimated Damage		March 1998
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property Crops	Character of Storm	
LOUISIANA, South		baseballs dam	aned several	homes and veh	icles At one	house a'	$\mathbf{X}$ niece of lumbe	r flew through the air	and impacted th
	roof. S blown	everal homes l off its pillars b	had vinyl sid	ling destroyed Several barns ar	by the hail the double of the hail the	nat was blo were dama	own horizontally by	the severe winds. An The Police Jury barn u	nother home wa
	machir	nery was destro	yed, strewin	g metal roofing	across the ya	rd.			
St. Martin Parish Parks	06	1325CST			0	0		Hail (1.75)	
Vermilion Parish 2 W Abbeville	06	1350CST			0	0		Hail (1.75)	
Cameron Parish Grand Chenier	07	0330CST			0	0		Hail (1.25)	
Vermilion Parish Abbeville	07	0335CST			0	0		Hail (1.00)	
Allen Parish Oakdale	07	0425CST			0	0		Hail (1.75)	
Vermilion Parish Intracoastal City	07	0445CST			0	0		Hail (1.75)	
Acadia Parish Mermantau	07	0500CST			0	0		Hail (0.75)	
Rapides Parish Lecompte	07	0510CST			0	0		Hail (2.75)	
Iberia Parish 5 W New Iberia	07	0545CST			0	0		Hail (0.75)	
Calcasieu Parish Vinton	07	0630CST			0	0		Hail (0.75)	
Calcasieu Parish 5 S Sulphur	07	0700CST			0	0		Hail (0.75)	
Beauregard Parish 7 NW Dry Creek	07	1350CST			0	0		Hail (0.75)	
Allen Parish Grant	07	1400CST			0	0		Hail (0.75)	
Beauregard Parish De Ridder	07	1457CST			0	0		Hail (1.50)	
Rapides Parish Pineville	07	1500CST			0	0		Hail (0.75)	
Vernon Parish 1 S Rosepine	07	1505CST			0	0		Hail (1.25)	
Vernon Parish Ft Polk	07	1847CST			0	0		Hail (0.75)	
Calcasieu Parish 8 N Sulphur	<b>16</b> Severa	1400CST l trees were blo	own down or	Houston River	0 Road.	0	10K	Thunderstorm	ı Wind
Beauregard Parish Ragley	<b>16</b> A few	1415CST trees and powe	r lines were	blown down.	0	0	5K	Thunderstorn	Wind
Acadia Parish Mire	16 Severe	1750CST downburst wi	inds destroy	ed two mobile			200K ged two other mol	<b>Thunderstorn</b> bile homes and a lou	
Iberia Parish	uamag	eu another two	moone nom	es and two sing	ie ranniy stru	ictures.			
New Iberia	<b>16</b> A bolt	1840CST of lightning ca	me through t	the chimney and	0 I broke throu	<b>0</b> oh the ceili	<b>5K</b> ing Two people we	<b>Lightning</b> re in the living room v	vatching ty at th

A bolt of lightning came through the chimney and broke through the ceiling. Two people were in the living room watching tv at the time. They thought it looked like a shotgun flash. The lightning burned a large hole in the ceiling and broke some of the molding where it hit. It also tore sheet rock off the wall and shattered a floor tile.

		Time Local/	Path Length	Path Width	Number Persor		Estimated		March 1998
Location	Date	Local/ Standard	Length (Miles)	(Yards)		is Injured	Damage Property Crops	Character of Storm	
MAINE									
Hancock County Countywide	09 10	2200EST 1300EST			0	0		Flood	
Penobscot County Countywide	09 10	2200EST 1300EST			0	0		Flood	
Piscataquis County Countywide	09 10	2200EST 1300EST			0	0		Flood	
Waldo County Countywide	09 10	2200EST 1300EST			0	0		Flood	
Washington County Countywide	Englar floodii	nd. Two to thr	ee inches of ams in sout	f rain fell over heastern Maine.	much of easter Streams were	n Maine reported	vrence Valley brought . The heavy rains cc 1 to have flooded and	ombined with snown for washed out road	nelt to cause the
MEZ003>004- 007>010-012>016- 020>030	North South Interi	nern Somerse nern Piscataq ior Hancock	et - Northe Juis - South - Androsce	rn Piscataqu hern Oxford oggin - Kenn	is - Northern - Southern F ebec - Interio	i Oxfor ranklin or Wald	th, Surry, Deer Isle, au d - Northern Fran a - Southern Somer lo - Coastal York - ock - Coastal Wasl	klin - Central So set - Southern P Coastal Cumbe	enobscot - rland -
MEZ005>006-011- 017>019	North Interi 14 15 An int Maine extrem	nern Penobsc ior Cumberla 1100EST 0700EST ense area of lor . Elsewhere in	w pressure a southern an ne to more t	noving eastwar d central Maine han 8 inches in	<b>0</b> d from the Gre , a moderate sr parts of eastern	0 eat Lakes nowfall o n Maine.	cot - Interior Wash brought heavy snow occurred. Snowfall an Some locations in ea	Heavy Snow to parts of southwe nounts ranged from	stern and eastern an inch or less in
MEZ001>009	North Penol 21	west Aroosto bscot - South 1900EST	ook - Nort	heast Aroost	ook - Northe	rn Som	erset - Northern P ern Franklin - Cen	-	
MEZ010>022-029>030	South	nern Penobsc	ot - Interi	or Hancock -	Interior Wa	shingto	- Southern Frank n - Interior York - k - Coastal Washin	Interior Cumbe	
	precip	itation along the	e immediate	coast. Snowfa	ll amounts gene	erally rar	ast brought heavy sm nged from 6 to 10 state County fro the storm.		
MEZ007>030	North South Interi Coast Coast 27	nern Oxford nern Oxford ior Washingt tal York - Co tal Washingto 1200EST	- Northern - Southern on - Interi astal Cum	n Franklin - ( 1 Franklin - S 1 or York - Int	Central Some outhern Som terior Cumbe	erset - S nerset - erland -	Southern Piscataqu Southern Penobsc - Androscoggin - K Knox - Coastal W	ot - Interior Han Cennebec - Interi	icock - or Waldo - ancock -
	the las being March	t five days of the set on the 27th	he month. 1 (74), 28th than record t	In Portland, fou (75), and 31st ( temperature for	r of the last fiv 88). The high Portland for the	e days w tempera	r near-record warmth vere above 70 degrees ture of 88 on the 31s April. A cold front dr	with daily record h t set a new record	igh temperatures for the month of

Location		Time Local/	Path Lonoth	Path	Numbe		Estima			March 199
	Date	Local/ Standard	Length (Miles)	Width (Yards)	Person Killed	ns Injured	Dama Property	ge Crops	Character of Storm	
MAINE										
MEZ014-020>021	South 30 31	ern Somerse 0100EST 2359EST	t - Andros	scoggin - Ken	nebec 0	0			Flood	
Franklin County Countywide	<b>31</b> M39IV	0200EST 2359EST W			1	0			Flood	
Oxford County Countywide	31	0200EST 2359EST			0	0			Flood	
	Andro Frankl flow o	y melting snov scoggin Rivers in County when n the 30th and	and their tri a 39-year o reached flo	butaries. Many old man drove hi	roads were cle s truck onto a usta on the 31	osed due flooded R st. The A	to the floodir Route 27. The Androscoggin	ng. One Kennebe n River a	the flooding on the drowning death occ ec River at Skowheg t Auburn reached fl oding continued.	urred in norther
Franklin County										
Farmington	0	t fire to power of	U	•	U			0	<b>Lightning</b> caught fire. Lightni d/New Sharon area	0 0
MARYLAND, Centra	<u>ıl</u>									
MDZ004-007	Frede 03	erick - Harfor 0200EST 1300EST	:d		0	0			Snow	
MDZ005>006	Carro 03	oll - Northerr 0700EST	Baltimor	·e	0	0			Winter Storm	
	the nor above inches Isolate along t	thern tier of M mean sea level d areas in Carr the Catoctin Ric	aryland dur ) received b oll Co (MD lge (separat	ing the morning etween 4 and 6 Z005) received ing northwest M	of the 3rd. A inches (MDZ 7 to 8 inches. DZ004 and no	ccumulat 005>006) Surrour ortheast M	ions varied v ) while lower nding countie MDZ003) rec	vith eleva terrain i es receive eived up	th of moderate to h tion; in general hill n the same countie ed around 2 inches, to eight inches. Ef	y areas (500 fe s received 1 to though locatio fects on resider
	the nor above inches Isolate along t were li	ng upper-level of rthern tier of M mean sea level d areas in Carr the Catoctin Ric	aryland dur ) received b oll Co (MD lge (separat	ing the morning etween 4 and 6 Z005) received ing northwest M	of the 3rd. A inches (MDZ 7 to 8 inches. DZ004 and no	ccumulat 005>006) Surrour ortheast M	ions varied v ) while lower nding countie MDZ003) rec	vith eleva terrain i es receive eived up	ation; in general hill n the same countie ed around 2 inches,	y areas (500 fe s received 1 to though locatio fects on resider
Charles County West Portion	the nor above inches Isolate along t were li	ng upper-level of trhern tier of M mean sea level d areas in Carr the Catoctin Rio imited; school v es occurred. 0400EST	aryland dur ) received b oll Co (MD lge (separat	ing the morning etween 4 and 6 Z005) received ing northwest M	of the 3rd. A inches (MDZ 7 to 8 inches. DZ004 and no	ccumulat 005>006) Surrour ortheast M	ions varied v ) while lower nding countie MDZ003) rec	vith eleva terrain i es receive eived up	ation; in general hill in the same countie ed around 2 inches, to eight inches. Ef	y areas (500 fe s received 1 to though locatio fects on residen
	the nor above inches Isolate along t were li fataliti	ng upper-level of rthern tier of M mean sea level d areas in Carr the Catoctin Rio imited; school v es occurred.	aryland dur ) received b oll Co (MD lge (separat	ing the morning etween 4 and 6 Z005) received ing northwest M	of the 3rd. A inches (MDZ 7 to 8 inches. DZ004 and no Carroll Co. t	ccumulat 005>006) Surrour ortheast M here were	ions varied v ) while lower nding countie MDZ003) rec	vith eleva terrain i es receive eived up	ation; in general hill n the same countie ed around 2 inches, to eight inches. Ef comobile accidents,	y areas (500 fe s received 1 to though locatio fects on residen
West Portion Anne Arundel County	the nor above inches Isolate along t were li fataliti	ng upper-level of trhern tier of M mean sea level d areas in Carr the Catoctin Rio imited; school v es occurred. 0400EST 0900EST 0500EST	aryland dur ) received b oll Co (MD lge (separat	ing the morning etween 4 and 6 Z005) received ing northwest M	of the 3rd. A inches (MDZ 7 to 8 inches. DZ004 and no Carroll Co. t 0	ccumulat 005>006; Surrour ortheast M here were	ions varied v ) while lower nding countie MDZ003) rec	vith eleva terrain i es receive eived up	ation; in general hill n the same countie ed around 2 inches, to eight inches. Ef comobile accidents, Flash Flood	y areas (500 fe s received 1 to though locatio fects on resider

A thin band of showers and thunderstorms with torrential rains moved across the eastern and southern suburbs of Washington, weakening as it moved north into the western suburbs of Baltimore. Observed rainfall of 1 1/2 to 2 inches in two hours, with radar estimates of over 2 1/2 inches, produced flash flooding that brought the Monday morning commute to a standstill over the eastern suburbs.

Six roads were closed in Charles Co; an additional 5 roads had high standing water covering them. Along the Prince George's/Anne Arundel Co line, a bus overturned on Brock Bridge Road where the Little Patuxent River overspilled its banks. There were no injuries; all passengers, including 23 children, were evacuated. Other incidents included a temporary road closure at the intersection of federal highway 50 and Kenilworth Avenue (Prince George's Co) due to high standing water; in Landover, early morning

		Time Local/	Path Length	Path	Number		Estimated			March 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Person Killed I	s njured	Damage Property (		Character of Storm	
MARYLAND, Centr	<u>al</u>									
				•	lue to water rus Sunnyside Road	-	oss the tracks.	Other	closures included	Tuxedo Road in
		•			ver overspilled		ot coveral rura	llocatio	ne	
	in sout		in co, the up	per i atapseo Ri	ver overspined	its ballks	s at several fula	i iocatio		
MDZ002>007- 009>011-013>014- 016>018					roll - Northei nne Arundel				fontgomery - H alvert	oward -
	11 13	0700EST 0700EST			0	0		17.5K	Unseasonably	Cold
	A serie the hee plain. decreas	es of cold fron els of a mild ar The combinat	ts ushered in ad wet Februa ion of mild a ace of fruit tr	ary, may have c and moist cond ees to the hard	aused some dan itions earlier in	nage to j the win	peach crops in l ter not only lea	Maryland d to acce	e unseasonably col d orchards, especia elerated bud growt ge, early blooming	lly on the coasta h, but may have
	Minim and 12	um temperatur	res on the 11 areas (mainl	th and 12th ave	raged in the upp	er teens	to lower 20s; d	laytime	ross the northern maxima held in the g to rise above free	e 30s on the 11th
Frederick County										
Countywide	20 21	2200EST 0900EST			0	0	10K		Flood	
Washington County East Portion	20 21	2200EST 0900EST			0	0	10K		Flood	
Carroll County Northwest Portion	20	2300EST			0	0	2K		Flood	
	21 An are from th deep m inches	<b>1000EST</b> a of deep low he morning of hoisture from t in the higher of small stream	pressure over the 20th thro he Gulf of M mountains of	ugh the mornin Iexico, aided in f the Catoctin I	rn U.S. moved s og of the 21st, th dumping storm Ridge. The rair	slowly in then off the total ration, falling	nto the southern he coast by eve infall of 1 1/2 t s onto saturated	ning of o 2 inch soil in	Atlantic region in the 21st. The low, es across the piedr a winter of wet w ver a dozen roads	which entrained nont, with over 2 eather, produced
	tempor flooded necessa Hagers	carily closed in d, affecting the ary on a flood stown. Minor	n Frederick ( e towns of E led creek in f flooding was	Co (rte. 26, 35 Detour and Uni- Frederick Co. reported in the	5, and 17). Th on Bridge, as w A total of 15 r	e weste vell as fo oads clo msport,	rn portion of t orcing the close osed in Washin Funkstown, and	he Big I ure of st gton Co I Fairpla	arroll Cos. Three Pipe Creek waters tate route 75. A v , including state ro y. Over two dozen II.	hed (Carroll Co water rescue was bute 68 south of
	rescue	(by air boat) w	vas required	along state rout		a Creek,	a well-known	flood are	nd Washington. H ea in western Mont 1st.	
MDZ004>006-010	Frede 22	erick - Carro 0000EST 0400EST		ern Baltimore	e - Howard 0	0			Snow	
	for a b during accum norther (MDZ)	me area of low band of modera the late evenin ulations. In ge rn Baltimore, 2005), a higher	y pressure whate to heavy ng and early seneral, betwee Carroll, and terrain locat	wet snow, accommon and a sinch for a since the second seco	ompanied in sor of the 21st and es fell from ext (MDZ010; 004	ne cases 22nd. T reme non >006). yee in (	by thunder, ac wo factors, cor rthern Anne Ar A local total of Odenton (extre	cross no ivection undel (N of 4.9 in	nd earlier in the da rth central and nor and elevation, cau ADZ014) through iches fell just sout hern Anne Arundo	theast Maryland sed wide-varying western Howard, h of Manchester

		Time	Path	Path	Number	r of	Estimated	March 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Person Killed	ns Injured	Damage Property Crops	Character of Storm
MARYLAND, Centra	<u>1</u>							
MDZ003>007- 009>011-013>014- 016>018							rford - Montgome Iary'S - Calvert	ry - Howard - Southern
010/010	27 31	1500EST 1800EST			0	0	10K	Unseasonably Warm
	After a Undern was set long-st broken several	a winter of clo heath the high, t at Baltimore anding record on March 300 small brush f	budy, wet co , very warm Washington s were shatte th when the r ires, includin	and dry weather International (B ered in Hagerst nercury topped	r developed - r WI) airport wi own. Notably out at 89. The	nore like ith 86 de , the all record h	e early June than late I grees. The previous re- time March high tem- had stood since 1907.	of strong atmospheric high pressure. March. One record high temperature ecord had been 83, set in 1979. Four aperature (formerly 88 degrees) was The dry and breezy conditions aided hrough the 30th. One fire consumed
MARYLAND, Northe	east							
<b>Caroline County</b>								
Countywide	08 09	1100EST 1000EST			0	0		Heavy Rain
Cecil County								
Countywide	08 09	1100EST 1000EST			0	0		Heavy Rain
Kent County								
Countywide	08 09	1100EST 1000EST			0	0		Heavy Rain
Queen Anne'S County								
Countywide	08 09	1100EST 1000EST			0	0		Heavy Rain
Talbot County								
Countywide	heavies totals a streams	st rain fell dur weraged betwo s or rivers ove	Maryland Ea ing the aftern een 1.5 and 2 r bankfull. St	1000 on the 8th .0 inches. This	with another l caused some p on totals includ	ourst of h boor drain led 2.00 i	heavy rain before it en nage flooding, but was	Heavy Rain w pressure system's warm front. The ded the morning of the 9th. Storm not heavy enough to push any major 75 inches in Conowingo, 1.70 inches
MDZ008-012-015- 019>020	Cecil	- Kent - Qu	een Annes	- Talbot - Ca	roline			
	27	1000EST	•		0	0		Unseasonably Warm
MDZ008-012-015-	March new M Washir passage	27th through larch monthly ngton Internati e on April 1st	rm air mass March 31st. high temper onal Airport, slowly broug	The warmest of ature records.	lay was the 30 Across the reg he Patuxent Riv back to season	th. Seven ion, the seven ver NAS	eral locations across the highest temperatures is and 86 degrees in Sali	across the Delmarva Peninsula from ne Middle Atlantic States established ncluded 89 degrees at the Baltimore sbury. Cloudiness and a cold frontal
019>020	Ceen	Rent Qu		Tubbe Cu	onne			
	precipi normal	tation totals o	hat has persi n a county w	eighted average	e were betwee	n 5.2 and	d 6.3 inches, a departu	<b>Unseasonably Wet</b> s the Delmarva Peninsula. Monthly ire of about 2.0 to 2.5 inches above 150 and 175 percent of their normal
MARYLAND, South								
	NONE	E REPORTED						
MARYLAND, West MDZ001	<b>Garre</b> 10 11 Four to	0500EST 1300EST		roughout the cou	<b>0</b> inty.	0		Winter Storm

		Time Local/	Path Length	Path Width	Number Persor		Estimated Damage	March 1998
Location	Date	Standard	(Miles)	(Yards)		s Injured	Property Crops	Character of Storm
MARYLAND, West								
			-	heavy snow and	l some blowing	g and drif	ting snow to the mou	ntainous areas in western Maryland.
MASSACHUSETTS,								
MAZ002>023	Essex Worce	- Western I ester - West	Hampshire ern Norfol rn Plymou	- Western Ha k - Southeast	mpden - Ea Middlesex -	stern Ha Suffolk	ampshire - Easter	ex - Western Essex - Eastern n Hampden - Southern k - Northern Bristol - Western able - Dukes Heavy Rain
MAZ002>024	Essex Worce	- Western I ester - West	Iampshire ern Norfol rn Plymou	- Western Ha k - Southeast	mpden - Ea Middlesex -	stern Ha Suffolk	ampshire - Easter - Eastern Norfoll	ex - Western Essex - Eastern n Hampden - Southern k - Northern Bristol - Western table - Dukes - Nantucket Strong Winds
MAZ016	Easter 09	n Norfolk 1401EST			0	0		High Wind (G64)
Worcester County Fitchburg	09	1600EST	I.		0	0		Flood
Hampden County West Brimfield	09	1900EST	I.		0	0		Flood
MAZ005-005-012	Weste 09	rn Middles 2000EST	ex - Southe	rn Worcester		0	300K	Flood
Printal Country	13	0500EST						
Bristol County Norton	10	0100EST	I.		0	0		Flood
Hampshire County	10	0500EST			0	0		
Gibbs Crossing	A power rainfall At time inches v a 30-ho up to 12 Some c Worces	to Massachus s, the rainfall were the most ur period resu 2 to 24 hours. of the maxim ter Airport, 4	utts, resulting was torrent common, bu ulting in cons um storm to .06"; Holland	g in urban street ial, especially d it totals exceedin iderable urban s tal rainfall amo l, 4.03"; Onset a	flooding, base uring thunders ng 4 inches did treet flooding. punts included and West Bridg	ment floo torms dur occur in Many ro : Oxford gewater, 4	ding, small stream flo ring the evening on 1 all areas of the state. ads had to be closed d, 5.44 "; Ware, 4.9 4.00"; Wilbraham, 3.4	Flood akes caused strong winds and heavy ooding, and main stem river flooding March 9th. Rainfall totals of 2 to 4 Most of the rainfall occurred during for periods ranging from a few hours 0"; Brimfield, 4.40"; Wales, 4.10", 80"; Mansfield, 3.74"; and Hampden ints of 2.14" and 3.73", respectively.
	eastern during t crested commu baseme on Mar River at	part experier he mid to late at 10.7 feet a nities of Nort nts and at lea ch 10th and c t Maynard rea	cced strong s e morning ho t 5 AM on M hbridge and st six houses rested at 9.7 iched a crest	outh-southeast t urs. The Blacks arch 10th, then Uxbridge. One had serious floc feet at 11 PM c	o south winds stone River at I fell below floo official termed ding. The Nas on March 11th, AM on March	with gus Northbrid d stage at it "the w hua Rive then fell l 1th; floo	sts from 40 to 55 mp ge reached flood stag t 3:30 PM Hardest I vorst flooding in 20 y er at East Pepperell re below flood stage at bd stage is 5 feet. The	rch 9th and much of the central and h after the passage of a warm from e of 9 feet at 8 PM on March 9th an- hit towns were the Blackstone Valley ears." Numerous houses had floode ached flood stage of 8 feet at 11 AM 5 AM on March 13th. The Assabe e Merrimack River at Lowell reached
	County flood st March 9	reached flood age of 6.5 fe 9th. The Wad	l stage of 7 f et at 7 PM o ling River in	eet at 5 AM on n March 9th. 7	March 10th. 7 'he North Nasl	The Quabout River	oug River at West Bi	tiver at Gibbs Crossing in Hampshir rimfield in Hampden County reached d flood stage of 6.5 feet at 4 PM on A on March 10th.
MAZ005	12 A fast r of 30 to snow. A closed f	35 vehicles a A thin coating for about 3 ho	squall sudder and the deaths of ice which ours and traff	s of two people. quickly formed ic was stalled fo	A 45-year-old l on the road su r 7 miles. And	man and rface con other simi	a 3-month-old infant atributed to the multip ilar heavy snow squa	Snow Squall Boxborough and resulted in a pile-up t died. Motorists were blinded by the ole vehicle crashes. The highway was ll occurred in Windham and Derry in e closure of that highway. Massive

		Time	Path	Path	Number	r of	Estimated	March 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persor Killed	ıs Injured	Damage Property Crops	Character of Storm
MASSACHUSETTS,	Centr	al and East						
	traffic M45V	1	d commuters	and motorists	from Massachu	isetts on	that interstate highway	y throughout the afternoon. ??VE,
MAZ009	West 14	ern Hampde 0600EST 1800EST	n		0	0		Heavy Snow
		fall totaled 6.0 i						vfall at lower elevations. Numerous,
MAZ022	•	/ minor, skiddir <b>stable</b>	ng accidents	were reported o	n highways in	western N	Massachusetts.	
	18 19	1800EST 2100EST			0	0		Heavy Rain
	More			n several towns	on Cape Cod.	Some s	torm totals included:	South Orleans, 2.50"; Chatham and
MAZ005>007-013>024								east Middlesex - Suffolk - Southern Bristol - Southern
				kes - Nantuck		0	,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,,	Strong Winds
	22	0700EST			Ū	Ū		Strong winds
MAZ016	Easte 22	ern Norfolk 0255EST			0	0		High Wind (G52)
MAZ008	West 22	ern Hampshi 0700EST	ire		0	0		Heavy Snow
	on the and so peak v mph; 0 mph.	order of an ind outheast coastal wind gusts inclu Chatham and P Twenty-foot so	ch or two. C Massachuse uded: Blue rovincetown eas were rep	Cape Cod and the tts for about 24 Hill Observator , 41 mph; and P orted offshore	e Islands had n hours from the y, Milton, 60 n Nantucket, 39 n and the high se	rain. Stro morning nph; Wir nph. Off eas frustr	ong northeast winds g g of March 21st throug nthrop, 51 mph; Falmo fshore, the Buzzards 1	Bristol Counties, where amounts were gusting to 40 to 55 mph affected east gh the morning of March 22nd. Some outh, 48 mph; Martha's Vineyard, 46 Bay buoy reported a peak wind of 55 poast Guard to tow a disabled fishing gh seas.
MAZ005>007-013>024								east Middlesex - Suffolk -
				Bristol - Wes kes - Nantuck	-	ith - Ea	stern Plymouth - S	Southern Bristol - Southern
	26	1000EST 1800EST			0	0		Strong Winds
		g south-southwe		sting to 35 to 5 Milton, 50 mph				e afternoon. Some peak wind gusts
MAZ015>016	Suffo 27	lk - Eastern 1528EST 1530EST	Norfolk		0	0		Record Warmth
MAZ012-015>016	South 28	1306EST	ter - Suffol	k - Eastern N	lorfolk 0	0		Record Warmth
MA 7002 010	Airpor Obser 1945. for the temper temper	t in Boston so vatory in Milto At Blue Hill C e month of Mar rature reached rature of 81 deg	ared to 79 d n on the 27t Observatory rch. The pro 85 degrees grees tied the	egrees, breaking h, the high temp on March 28th, evious record th and the old rec record high rea	g the record fo perature of 78 the temperatur there was 85 de cord was 81 d	r the date degrees s re soared grees set egrees in	e. The old record was surpassed the previous to 86 degrees, establi on March 29, 1945.	the temperature at Logan International as 76 degrees in 1945. At Blue Hill s record for the date of 76 degrees in shing a new high temperature record At Boston on March 28th, the high er Airport, on March 28th, the high
MAZ003-010	30	rn Franklin 0700EST	- Eastern	nampshire	0	0		Flood
	dam re and fl	eleases caused ood stage of 2	the Connecti 8 feet was r	cut River to ris eached at 10:30	e. Flood stage AM at Monta	of 112 f ague. Th	feet was attained at 7	combined effects of rapid runoff and AM on March 30th in Northampton we flood stage into the beginning of ction were affected.

	Ste	orm l	Data a	nd Unu	sual We	eathe	r Phenon	nena
Location	Data	Time Local/ Standard	Path Length (Miles)	Path Width (Varde)	Number Person: Killed I	8	Estimated Damage	March 1998 Character of Storm
				(Yards)	Killeu I	iljured i	Property Crops	
MASSACHUSETTS MAZ012-015>016				lk - Eastern I	Jorfolk			
MA2012-013-010	31 On March a high ter Airport, ti 1945. Ho was only breaking also brok	<b>1342ES</b> <b>1353ES</b> h 31st, the nperature of he high ter yowever, the 70 degreee the all-tim e the high	<b>F</b> temperature a of 89 degrees nperature of 8 daily high te s set on Mar- e high temperature	at Logan Interna was recorded. 44 degrees tied to mperature record ch 31, 1918. <i>A</i> rature record for record for the co	0 tional Airport in The previous h he warmest tem d for March 31s at the Blue Hill r the month, wh late of March 3	igh reading perature ev t in Worces Observator ich had jus 1st, which	was 86 degrees of er recorded in the r ster was shattered b ry in Milton, the h t been set on Marc was only 69 degre	Record Warmth record for the month of March when n March 29, 1945. At the Worceste month of Marchagain on March 29 by a wide marginthe previous recor- igh temperature reached 89 degrees. If the structure of this year at 86 degrees. If es recorded in 1986. Also, at many
		tations, the	high tempera	atures on March	31st were the h	ighest read	ings ever observed	so early in the season.
MASSACHUSETTS								
MAZ001	Berkshi 14 15	0300ES 0000ES	Г		0	0		Snow
		evations of						The greatest snowfall occurred in th vy wet snow caused numerous traffi
MAZ001	Berkshi		F		٥	0		XX/: 4
			Г nd 22, a coas				nd freezing rain a et and freezing rain	Wintery Mix cross Berkshire County. Snow total
MAZ001	Berkshi	-	5 to 5 mer	ies, with additio		in due to sie		
			Г was a period					Excessive Heat a pressure off the Mid-Atlantic coa from the middle 70s to upper 80s.
MICHIGAN, East	•	•				-		
MIZ048		nia. Alcoh	passed out w	hile walking he		<b>0</b> l tavern. A	A steady, cold rain	Extreme Cold was falling, and the man died from
MIZ076	Wayne 09	0600ES 1200ES			0	0		Flood
MIZ048	Bay 09	0900ES 2100ES	Г		0	0		Heavy Snow
MIZ054-061	Tuscola 09	- Genese 1030ES 1100ES	е Г		0	0		High Wind (G50)
	•	low pressu	re system mo				-	hio Valley on the evening of the 8th weather events to southeast Michigar
	higher rai	infall total	s were 2.16 i	nches in Morer	ici and 2.1 inch	es in Allen		ne morning of the 9th. Some of the aused some minor urban flooding in flooding.
			f snow fell in ommunity of		the 9th. The h	ighest snov	vfall total, six inche	es, was recorded seven miles west of
	shoreline, lines in F	, seven mil lint, Burtor	es northwest		ese winds came			re downed along the Tuscola Count the morning, the wind downed powe
MIZ070	Macomi 09	b 1200ES 2100ES			0	0		Flood

		Time	Path	Path	Numbe		Estimated	March 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Perso Killed	ns Injured	Damage Property Crops	Character of Storm
MICHIGAN, East								
		linton River near hen fell below flo			foot flood sta	age at noo	on EST on the 9th. T	he river crested at 16.5 feet at 2 pm
MIZ076	Wayı 09 10	ne 1400EST 2100EST			0	0		Flood
	The Lo					•	*	The river crested at 11.2 feet at 7 am
MIZ062	Lape 13 14	er 1900EST 0300EST			0	0		Heavy Snow
	A clip northe Ontari	per-type low pres rn lower Michiga	n in the ev roduced a	ening. The low swath of 3 to 6	w then turned inches of sno	east and o w from th	crossed Lake Huron ea ne Saginaw Bay area e	sing Lake Superior and moving into arly on the 14th on its way back into astward to the Thumb. The heaviest
MIZ053>054	8	aw - Tuscola 0400EST			0	0		Flood
		0900EST			7 foot flood st	•		Flood The river crested at 19.6 feet at 9 am
		ass River at Vassa st, then fell back b			-		on the 20th. The rive	r crested at 14.3 feet at 7 am EST on
		two inches of ra gh some flooding						e resultant river flooding was minor,
MIZ055-063	Sanil: 20 21	ac - St. Clair 1900EST 0800EST			0	0		Heavy Snow
	A low 21st. S took p Sanila	pressure area mo Southeast Michiga lace along the ea	an was on t st shore of Counties r	the northern fri	nge of the prec s this was who	cipitation ere the he	area from this low. It eaviest snowfall occur	sss the southern Appalachians on the appears that some lake enhancement red. The road commissions of both across Metro Detroit, 2 to 5 inch
Lenawee County 2 NW Tipton	28	1058EST	0.5	25	0	0	25K	Tornado (F1)
Monroe County 5 SW Milan	28	1110EST			0	0	5K	Thunderstorm Wind (G60)
Washtenaw County Manchester Washtenaw County	28	1111EST			0	0	10K	Thunderstorm Wind (G60)
Ann Arbor	28	1113EST			0	0		Thunderstorm Wind (G50)
Washtenaw County Scio	28	1118EST			0	0		Thunderstorm Wind (G50)
Washtenaw County 2 NW Ypsilanti to 2 NE Ypsilanti	28	1123EST 1127EST			0	0	<b>30K</b>	Thunderstorm Wind (G60)
Oakland County Milford	28	1130EST			0	0		Thunderstorm Wind (G56)
Wayne County Livonia to Redford	28	1140EST 1142EST			0	0	550K	Thunderstorm Wind (G74)
Wayne County Detroit	28	1145EST 1200EST			0	0	50K	Thunderstorm Wind (G65)
Macomb County 2 S Roseville to 3 SE Mt Clemens	28	1155EST 1205EST			0	0		Thunderstorm Wind (G50)

	St	orm I	Data ai	nd Unu	sual W	eath	er Phenon	nena
Location	Data	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number Person Killed		Estimated Damage Property Crops	March 1998 Character of Storm
MICHIGAN, East			. ,	( ,		5	1 2 1	
Macomb County Utica	afternoo and mov wind da were da	n hours. A ving two gra mage from maged, and	g showers wi brief tornado in silos off of just west of A	occurred in nort their foundation Ann Arbor to ju were downed,	hern Lenawee ns. The same s st north of Yp:	County, d torm blev silanti. I	lestroying a farmhous w down trees in Man n Ypsilanti Townshi	<b>Thunderstorm Wind (G50)</b> gan during the late morning and early se and a barn, damaging another barn, chester, and then produced patches of p, a house was deroofed, other roofs amaged in Superior Township, and
	spotter e street. S the Amb area was the inter	estimated wi substantial tr bassador Bri s damaged. national bor	nds of 85 mpl ee damage als dge. A wall An empty tr der.	n took the roof of so took place. A was knocked ou actor-trailer atte	off of a busines Another pocket at at a taxi cab mpting to cross	s and thre of damag garage, v s the Am	ew parts of it throug e occurred just west vith cinderblocks dar bassador Bridge into	vily damaged. In adjacent Redford, h the window of a business across the of downtown Detroit, near the foot of naging five cabs. A billboard in the Canada was knocked over very near
				ville. A few tre		-		inship south to Eastpointe. The most
Saginaw County Fenmore	<b>30</b> A citizer	1240ES	-	il with a small s	<b>0</b> evere thunderst	0 orm in F	enmore	Hail (0.88)
MICHIGAN, Extreme			leker sized itu	i with a small s				
MICHICAN North	NONE	REPORTED	).					
<u>MICHIGAN, North</u> MIZ016>022-025>028	Emmet	t - Chebov	oan - Preso	ue Isle - Cha	rlevoix - Lee	lanau .	Antrim - Otsego -	Benzie - Grand Traverse -
11120102022-0252020		ka - Craw 1200EST 2200EST	7 <b>ford</b> ก	ut isit - Cha	0	0	Anti III - Otsego -	Winter Storm
	Lower N	ssure trackin Aichigan. Sr	ng from the C now began du		igbecoming h	neavy at t		rtions of Northwest and Northcentral noonbefore tapering off during the
MIZ016>036-041>042	Benzie	- Grand T	Traverse - K	alkaska - Cr	awford - Osc			Montmorency - Alpena - - Wexford - Missaukee -
	Koscon 09	nmon - Og 0600EST		co - Gladwin	- Arenac 0	0		Blizzard
	state bro changed hours. W in exces ranged f and the o and stro school d	bught blizza to all snow Vinds rapidly s of 45 mpl from 8 to 12 combination ng winds al istricts in No	ng through the rd conditions in the mornin y increased to nthen contin inches across of poor visib so brought de	to Northern L ag following the sustained speed ued into the ev the regionwi ilities and hazar own branches a	ower Michigan passage of the ds of 20 to 30 r rening causing th some totals i dous road cond and powerlines	during cold from mph behi widespre in exces of litions car producin	the 8th. A mix of si nt. Snowheavy at ti nd the front. Sustaine ad blowing and drift of 12 inches. Snow di used many accidents. ng scattered power o	ow and strong cold front crossing the leetfreezing rain and snow quickly mesthen continued into the evening ed winds of 20 to 30 mphwith gusts ing snow. Snowfall totals generally rifts of 3 to 4 feet closed many roads The combination of heavy wet snow utages across the region. Nearly 100 y. Many buisnesses also closed early
Roscommon County Roscommon	30	1505EST	Г		0	0		Hail (0 75)
Roscommon County 1 NE Roscommon	30 30	2338EST			0	0		Hail (0.75) Hail (0.75)
MICHIGAN, Upper			_					
MIZ005>007	08 10	ette - Alge 2000EST 2000EST	r r		0	0		Heavy Snow
	-		-					heavy lake effect snow across North oth included 16.0 inches at Wetmore

Strong north winds brought cold air across the ice free waters of Lake Superior producing heavy lake effect snow across North Central Upper Michigan. Snow totals between the evening of the 8th and the evening of the 10th included 16.0 inches at Wetmore, 14.6 inches at Munising, 13.1 inches at the Marquette County Airport and 12.0 inches at Newberry.

		Time Local/	Path Longth	Path	Numbe Perso		Estimated		March 1998			
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Killed	ns Injured	Damage Property Crops	Character of Storm				
MICHIGAN, Upper												
MIZ002-005>006- 009>010	Onto	nagon - Marc	quette - Alg	ger - Gogebio	e - Iron							
	131900EST00Heavy Snow141600ESTCold air blowing across the relatively warmer waters of Lake Superior brought heavy lake effect snow to scattered locations acroWest and Central Upper Michigan. Snow totals included Ironwood 16.7 inches, Ramsay 13.5 inches, Paint Lake (25 NW of IrocRiver)11.8 inches, Bergland 11.7 inches, Wetmore 11.0 inches, Rockland 9.4 inches, Marquette County Airport 9.4 inches andSilver City 9.0 inches.											
Luce County												
25 NNE Newberry	26	1845EST 1846EST			0	0		Hail (1.00)				
Marquette County Republic	27	1108EST 1110EST			0	0		Hail (0.75)				
Dickinson County Norway	29	1735EST 1740EST			0	0		Hail (0.75)				
Dickinson County Ouinnesec	29	1740EST			0	0		Hail (0.75)				
Delta County		1710201			Ū	Ū		Han (0.75)				
Stonington	29	1741EST			0	0		Hail (0.75)				
Dickinson County Foster City	<b>29</b> 12 inc	2250EST th diameter tree	was uproote	d near Foster C	0 ity.	0		Thunderstorm	wind (G50)			
Marquette County 4 NE Watson	<b>29</b>	2300EST 2305EST	r trace uproc	tod	0	0		Thunderstorm	Wind (G50)			
Delta County 2 NW Rock	12 to 29	15 inch diamete 2330EST	n trees uproc	neu.	0	0		Funnel Cloud				
MICHIGAN, West												
MIZ037>038-043-050	Maso 09	n - Lake - Oc 0700EST 1900EST	ceana - Mu	skegon	0	0		Blizzard				
MIZ039>040-044>046- 051>052-056>059- 064>067-071>074- 077>080		ola - Clare - N an - Barry - I					Gratiot - Ottawa - Calhoun - Jackso					
	09	0700EST 1900EST			0	0	100K	Winter Storm				

A strengthening low pressure center tracked northeast across the Ohio Valley on Monday, March 9th, and brought heavy snow and blizzard conditions to west central, southwest, central, and most of south central Lower Michigan. Light rain on Sunday, March 8th, changed to a brief period of freezing rain and sleet during the predawn hours on Monday, March 9th in areas north and west of Grand Rapids. This icy mixture changed to snow by 7:00 am EST across most of Mason, Lake, Osceola, Mecosta, Newaygo, Oceana, Muskegon, and Ottawa Counties. Rain changed to freezing rain and sleet in the Grand Rapids metropolitan area, Kalamazoo, Battle Creek, Lansing, Jackson, and surrounding communities between 7:00 am and 9:00 am EST. This icy mix changed to snow during the mid to late morning hours from east to west. However, a prolonged period of sleet across Barry, Branch, Calhoun, Clinton, Eaton, Ingham, Jackson, Kalamazoo, and St. Joseph counties, cut down on snowfall totals in these areas. Snowfall was heavy and was reported at rates around and slightly over 1 inch per hour. Northerly winds increased to sustained speeds of 25 to 35 mph during the morning hours and wind gusts of 45-60 mph were reported along the counties along Lake Michigan shores. One report of a 60-mph wind gust occurred in Ludington around Noon. Widespread blizzard conditions were reported across Mason, Lake, Oceana, and Muskegon Counties. Occasional white-outs were also reported elsewhere across western and central Lower Michigan. Snowfall totals averaged 6 to 12 inches for areas north and west of a line from Cassopolis to Kalamazoo to Lansing. The highest storm total reported was 18 inches in Howard City, in Montcalm County. Snowfall totals of 2 to 5 inches were reported in Kalamazoo, St. Joseph, Calhoun, Branch, Eaton, Ingham, and Jackson counties. Several area cities and counties declared local snow emergencies.

Numerous weather-related traffic accidents were reported, one of which resulted in 2 fatalities in Kent County when a snowmobile collided with a Kent County Road Commission snow plow truck. Downed trees and power lines cut power to some residents, most

		Time	Path	Path	Numbe	r of	Estimated	March 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Perso: Killed	ns Injured	Damage Property Crops	Character of Storm
<u>MICHIGAN, West</u>	Muske winter early M crashee	gon (1,900), storm, the m Aonday morni	Montcalm (1 ost intense of ng weakened nome in the o	,630), Allegan f the 1997-98 v an old oak tree	(7,000), and Be vinter season. ( , which was blo	errien (12) Saturated own over	,000) counties. Schoo ground in Jackson f by winds gusting to 3	n Mason (600), Lake, Clare, Oceana, ols and businesses were closed by this rom heavy rainfall Sunday night and 0 mph just before daybreak. This tree age. No injuries were reported from
MI7074	lake sh homes several the sto in Berr	ore in New E were flooded l roads in Ben rm. Numerou rien County fo	Buffalo was un l in New But ton Harbor. V s power lines	ndermined and ffalo because o Vinds gusted to were downed i	destroyed as hi f the partial co 50 knots along hear the lake sh	gh waves ollapse of the lake nore in Be	s on Lake Michigan v a sea wall. Storm s shore and wave heig	Berrien Counties. One home along the washed away the dunes. Several other urge in the St. Joseph River flooded nts reached 10-15 feet at the height of al shelters were opened Monday night
MIZ074	Jacks 09	0800ES1	Г		0	0		Flood
	rains c rises i quickl	of around an i n river levels	urred along th nch and a hal . Jackson is l st above flood	f occurred in the ocated near the stage at 13.3 for	e Jackson area headwaters o	, which r f the Gra	esulted in significant and River and the he	During the previous 24 hours, heav y runoff from the urban area and rapi d avy rains caused the river to respond e for 2 hours. Minor flooding occurred,
MIZ037-043-056-064- 071-077>078	Maso	n - Oceana	- Ottawa - J	Allegan - Va	n Buren - Be	rrien - (	Cass	
	10 11	0100EST 0700EST			0	0		Lake Effect Snow
MIZ037>040-043>046- 050>052-056>059-	across Lower March northw accum Saugat Maso	portions of th Michigan. L 11th. In the vest Mason, - ulations reach uck (Allegan) <b>n - Lake - (</b>	e counties boo ake effect sno counties liste extreme west and 9 inches 1 0, Coloma and <b>Osceola - Cl</b>	rdering the lake ow began aroun d, lake effect s iern Allegan, v near Glenn and Watervliet (Be <b>are - Oceana</b>	in western Loo ad 1:00 am ES snowfall accun western Van I Ganges (Alleg rrien), and Dov - Newaygo	wer Michi T Tuesda nulations Buren, no gan Coun wagiac (C Mecost	igan and as far inland ay, March 10th and ranged from 2 to 9 orthern Berrien, and ty) and South Haver ass); and 4 inches in	ect snow showers and squalls inland as Cass County in extreme southwest continued until 7:00 am Wednesday, inches. Snowfall was heaviest across northwest Cass counties. Snowfall (Van Buren County); 6 inches near Niles and Benton Harbor (Berrien). kegon - Montcalm - Gratiot - oo - Calhoun
064>067-072>073					-			
	during Michig evenin, west co winds speeds accume Lansin	the overnigh gan during m g hours. Sout entral Lower associated wir were sustained ulations range g were 2 inch	rta Clipper lo t hours of Fr id afternoon Michigan, ind th the system, ed at 15 to 25 ed from 2.5 t es or less.	iday, March 13 Friday, then sp blowing across cluding Ottawa, first southwest mph, with gus o 10 inches in	th and early S read east-south Lake Michigan Muskegon, O ahead of the fr ts to 35 mph. S the listed cours	aturday, l neast acro n ahead o ceana, Ma cont, then nowfall r nties. Sno	March 14th. Snow fi biss southwest, centra f the system resulted ason, Lake, Newayge northwest behind it, i rates approached 1 in bis accumulations so	Heavy Snow st across Michigan's Lower Peninsula rst spread across west central Lower l, and south central during the early in lake enhancement across much of o, Kent, and Osceola Counties. Gusty resulted in blowing and drifting. Wind ch per hour with this system and total uth of Kalamazoo, Battle Creek, and
	outage lines. U Snowfa Cedar inches	s were report Jp to 650 peo all reports inc Springs (Ken in Muskegon	ed in Muskeg ple were with cluded 10 inch t); 6 inches ir ; 4.8 inches in	on County, wh out power for a nes in central N 1 Irons (Lake), 1 Grand Haven;	ere wind gusts short time. ewaygo Count Kent City (Ken 4.0 inches in	to nearly y; 8 inche nt), and ac Holland a	v 40 mph downed so es in New Era (Ocea cross much of Osceo	blved minor injuries. Scattered power me tree limbs and branches on power na County), Fremont (Newaygo), and la, Lake and Muskegon Counties; 5.5 ches in downtown Grand Rapids; and
MIZ067-071>074-				r Service Office mazoo - Calh	-		rien - Cass - St. Jo	seph - Branch - Hillsdale
077>081	20 21	1600EST 0100EST			0	0		Winter Storm

	_	Time Local/	Path Length	Path Width	Numbe Persor		Estimated Damage		March 1998
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property Crops	Character of Storm	
MICHIGAN, West									
	the ear keeping southw as a mi condition of the I	ly morning he g the most si est and south xture of sleet ons hazardous interstate-94 c	ours of Sature gnificant prec central Lower and freezing r for the Friday orridor. Snow	lay, March 21 ipitation south Michigan, mai ain Friday after y afternoon rus accumulations	st. The low pr of the state. nly south of a noon, then turn h hour and sev ranged from	A mixtu A mixtu line from ned to mo veral min 1 to 4 inc	afternoon and evening enter tracked across 1 re of snow, sleet, ar a South Haven to Lans ostly snow Friday eve or weather-related acc thes in the aforementi n County, and souther	Kentucky and into n ad freezing rain fell sing, MI. The precipi ning. The ice at the o cidents were reported oned counties. Accur	orthern Virginia across much of tation started out onset made travel along and south
MIZ056>057	Ottaw 22	a - Kent 1900EST			0	0		Flood	
	March Steady March March	25th. No proprainfall and v 19th, led to m 25th. Well be	Robinson Toy perty damage warmer tempe ninor flooding elow normal	was reported ar ratures, resulti along the Gra temperatures, v	at its flood sta id only minor f ng in a meltin nd River in K vhich returned	ge of 13. flooding g of the ent and 0 on Mar	3 feet on March 22nd occurred. existing snowpack, o Ottawa Counties durin ch 20th, greatly redu poding episode.	d and held steady at a luring the period of ng the period of Mar	March 18th and ch 22nd through
Jackson County									
5 E Brooklyn	Highw window	ay 124 and W	tral Dispatch Vellwood Roa on Wellwood	d, approximate	ly 5 miles eas	st of Bro	<b>5K</b> wned in Norvel Towr oklyn. A large brancl s was the first severe	n from a downed tre	ction of Michiga e broke the from
Lake County									
Baldwin	<b>30</b> The La diamet	•	I	ment reported	0 hail fell from	0 2:05 to 2	2:10 pm EST, ranging	Hail (1.00) g in size from one-ha	lf to one inch i
Lake County	diamet								
3 SW Baldwin	Baldw Warm, for the produce metrop	in, in Pleasant moist air in p first severe t ed small pea olitan area no	ation in Cadi Plains Towns lace across ce hunderstorm of to marble-siz orthward acro	ship. ntral and south event of the sp ed hail (1/4-1/ ss west central	ern Lower Mic ring season ac 2 inch diamet Lower Mich	chigan, al cross wes er) at se igan. Sev	.75 inch diameter hai head of a slowly south st central and southw veral locations from vere criteria hail was injuries or property da	ward moving cold fi est Lower Michigan Kent County and th reported in Lake C	ont, set the stag . Thunderstorm e Grand Rapid
<b>AINNESOTA, Cent</b>	tral and S	South Cen	<u>tral</u>						
Steele County Blooming Prairie	27	0235CST			0	0		Hail (0.75)	
Sibley County 5 NE Arlington Freeborn County	29	1445CST	•		0	0		Hail (1.50)	
1 W Albert Lea	29	1452CST			0	0		Hail (1.25)	
Hennepin County Eden Prairie	29	1505CST	•		0	0		Hail (1.00)	
Freeborn County 1 N Hartland Hennepin County	29	1510CST			0	0		Hail (0.88)	
Edina	29	1515CST			0	0		Hail (0.88)	
Dakota County 20 S Burnsville Honnonin County	29	1518CST	•		0	0		Hail (0.75)	
Hennepin County St Anthony Wright County	29	1520CST			0	0		Hail (0.75)	
Monticello	29	1525CST			0	0		Hail (0.75)	

0

Hail (1.75)

0

Faribault County

29

1530CST

2 N Bricelyn

		Time Local/	Path Length	Path Width	Numbe Perso		Estimated		March 199
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Killed	ns Injured	Damage Property Crops	Character of Storm	
MINNESOTA, Centr	al and	South Centra	<u>al</u>						
Steele County 10 S Owatonna	29	1530CST			0	0		Hail (1.00)	
Freeborn County 3 NW Albert Lea	29	1535CST			0	0		Hail (1.75)	
Washington County 7 N Stillwater	29	1535CST			0	0		Hail (1.75)	
Anoka County Fridley	29	1623CST			0	0		Hail (1.25)	
Watonwan County 3 NNW Darfur to 3.5 NNW Darfur	29	1628CST	0.5	100	0	0		Tornado (F4)	
5.5 MINW Dariur	Torna	do moving throug	h southern E	Brown county b	rushed extre	me northy	west Watonwan count	y. See Brown county	y narrative.
Brown County Comfrey to 3 E Searles	29	1630CST 1705CST	25	2200	1	16	45M	Tornado (F4)	
	tornac Comf farms northy Dama	lo ripped through rey destroyed inc teads damaged or west of the town of ge estimate estim	the village luding the to destroyed in of Hanska. In aated. Proper	of Comfrey de own hall. Sch n Brown count He died the new ty damage to	stroying a g ool heavily y. 500 dair xt day. 35 b extreme nor	rain eleva damaged y cows k puildings thwest Bl	in Nicollet county. T ator and damaging 75 . 100 people made illed. One man critic destroyed or damaged lue Earth county acro ated at 245 thousand.	i% of the town. Mu homeless. 50 home cally injured in colla 1 in far Northwest Bl pss Cambria townshi	ich of downtow s destroyed. 13 pse of farmstea lue Earth count
Brown County 7 SW Leavenworth	29	1630CST	0		0	0		Hail (1.25)	
Brown County 3 E Springfield	29	1630CST			0	0		Hail (1.00)	
Blue Earth County 2 W Cambria to 1 NW Cambria	<b>29</b> See B	1705CST 1707CST rown county discu	2 ussion.	2200	0	0		Tornado (F4)	
Nicollet County Courtland	29	1705CST			0	0		Hail (4.50)	
Nicollet County 1 SE Courtland to 4 E Courtland	29	1707CST 1715CST	4	2200	0	0		Tornado (F4)	
Nicollet County	See n	arrative for Browr	county.						
2 E Nicollet to St Peter	29	1718CST 1735CST	12	2200	1	0	120M	Tornado (F3)	
	degree destro struck Debri	es of damage. The oyed in St. Peter, f a vehicle. St. P	ne spire on C 1,700 were d eter Catholic pund 50 mile	Christ Chapel si amaged. Over Church destro s away in south	napped in ha 1,000 trees byed. Hospi hern suburbs	lf. 70% uprooted. tal severe of the Tv	s College. All major of the windows on ca . One person killed ju ely damaged. Roof ri vin Cities. 60 rural ho 6VE	ampus were broken. ust outside St. Peter v ipped off library. 25	500 homes we when the tornac 5% of books los
Nicollet County 7 SW St Peter	29	1731CST			0	0		Hail (1.75)	
Le Sueur County 4 S Ottawa to 5 W Le Center	<b>29</b> See n	1735CST 1745CST arrative for Nicoll	6 et county	2200	0	0		Tornado (F3)	
Le Sueur County	See II		ci county.						
2 N Cleveland to 1 E Montgomery	29	1748CST 1804CST	17	1760	0	2	20M	Tornado (F2)	

Tornado tracked through Le Center and adjoining rural areas. Most of the businesses in the southern part of town were damaged. Buildings destroyed at county fairgrounds. 15 mobiles homes at a trailer park destroyed, another 26 suffering major damage. Over 100 farm buildings destroyed.

Lacadim     Date     Sundant     (Vinite)     (Vinite) <th></th> <th></th> <th>Time Local/</th> <th>Path Length</th> <th>Path Width</th> <th>Numbe Perso</th> <th></th> <th>Estimated Damage</th> <th>Marc</th> <th>h 1998</th>			Time Local/	Path Length	Path Width	Numbe Perso		Estimated Damage	Marc	h 1998
Nice County 3 SW Loasdale SW Loasdale SW Loasdale (Sign County 5 SU Coustle Rock to 5 SU Coustle Rock to 2 1832 CST         Nice County 1832 CST         Tornado (F2)           Dakota County 5 W Castle Rock to 2 W Castle Rock Rock to 2 W Castle Rock to 2 W Castle Rock to 2 W Castle Rock t	Location	Date		-				0	Character of Storm	
Rice County 3 SW Lonsdale to 3 SW Lonsdale to 5 W Castle Rock to 5 H Lonsdale to 5 H H Lonsdale to 5 H H Lonsdale to 5 H H H H Lonsdale to 5 H H H H H H H H H H H H H H H H H H H	MINNESOTA, Centra	al and	South Centr	al						
3 SW Lonside       29       1890 CST 1812 CST       0.1       200       0       0       Dranado (F1)         Rice Connty tousdale too       29       1816 CST       5       440       0       0       20M       Tornado (F2)         S E Lonsdale       29       1816 CST       5       440       0       0       20M       Tornado (F2)         S W Castle Rock       29       1825 CST       3       440       0       0       Hain (1.00)         Dakota County Farmington       29       1825 CST       3       440       0       0       Hain (1.00)         Dakota County 4.5 SW Hastings       1       100       0       0       Hain (1.00)         Dakota County 1.848 CST       1       100       0       0       Hain (2.00)         MX2041-047-048-       Doughas - Stevens - Pop - Lac Qui Parle - Swift - Chippewa - Yellow Medicine       2000 CST       0       Heavy snow         054-056-064       11       1100 CST       0       0       Heavy Snow         1000CST       0       0       Heavy Snow       1000 CST										
Lonedate to 5 & Lonset         29         18.16CST 1824 CST         5 w 440         0         0         20M         Tornado (P2)           5 & Lonset         Four homes and 6 businesses severely damaged. Street department building damaged. 20 farms damaged or destroyed Dakota County         5 w Castle Rock to 1833 CST         3         440         0         0         Tornado (P2)           2 W Castle Rock to 2 W Castle Rock         1833 CST         3         440         0         0         Hail (1.00)           Pakota County         -         -         Four homes and (F2)         Hail (1.07)           Pakota County         -         -         Four homes and Four head (F2)         Four head (F2)           S & W Hastings         29         1843 CST         1         100         0         Hail (1.00)           A SS W Hastings         29         1843 CST         1         100         0         Hail (2.00)           MNX041-047.5048         Douglas - Stevens - Pope - Lac UU Parle - Swift - Chipwar - Yellow Medicine         Heavy Snow         Heavy Snow           20102-012-019-020-         Dorthern Cosk / Northern Lake - Central SL Louis - Southern Ait in - Southern SL Louis / Carlton         Southern SL Louis / Carlton           012-012-019-020-         Dorde Carly spring storn dropped to 9 inches of wet, heavy snow i a 0 mile wide hand from about Pine River		29		0.1	200	0	0		Tornado (F1)	
S F. Lonsdale       IB24CCT       For theomes and 6 businesses severely damaged. Street department building damaged. 20 farms damaged or destoyed Dakota County         S W Castle Rock       1       1833CST       3       440       0       0       Tornado (F2)         2 W Castle Rock       1       1833CST       0       0       Hail (1.00)         Dakota County       -       -       -       Tornado (F2)         Estiman       29       1838CST       1       100       0       Hail (1.07)         Dakota County       -       -       Tornado (P0)       -       Tornado (P0)         5 S W Hasting to       29       1843CST       1       100       0       -       Hail (2.00)         Dakota County       -       -       -       Tornado (P0)       -       Hail (2.00)         S S W Hasting to       29       1843CST       0       0       Heavy Snow       -         Ostoo County       -       100CST       0       0       Heavy Snow       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -	Rice County									
Tori homes and 6 businesses severely damaged. Street department building damaged. 20 farms damaged or destroyed         5 W Castle Rock o       2       1833CST       3       440       0       0       Tornado (F2)         2 W Castle Rock o       1       1833CST       0       0       Hail (1.00)         Dakota County       -       -       -       -       -       -         7 StSW Hastings to       29       1833CST       1       100       0       0       Hail (1.07)         Dakota County       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       - <td>Lonsdale to</td> <td>29</td> <td></td> <td>5</td> <td>440</td> <td>0</td> <td>0</td> <td>20M</td> <td>Tornado (F2)</td> <td></td>	Lonsdale to	29		5	440	0	0	20M	Tornado (F2)	
Dakota County       29       1825CST       3       440       0       0       Tornado (F2)         2 W Castle Rock       29       1830CST       0       0       Hail (1.00)         Dakota County       Farmington       29       1830CST       0       0       Hail (1.00)         Dakota County       Farmington       29       1838CST       0       0       Hail (1.75)         Dakota County       5.5 W. Hastings       19       1848CST       100       0       Hail (2.00)         Dikota County       Farmington       29       1843CST       0       0       Hail (2.00)         MNZ041-0475045.       Douglas - Stevens - Pope - Lac Qui Parle - Swift - Chippewa - Yellow Medicine       054-056-064       31       1100CST       0       Heavy Snow         Q55-026-033-037       3       1600CST       0       Heavy Snow       1600CST       1423SUGST       0       0       Heavy Snow         An early spring storm dropped 6 to 9 inches of wet, heavy snow in a 60 mile wide band from about Pine River to Guinchedge and Babic power and Guminor structural damage wound down during the morning hours of April 1. The greatest snowfall was 92.1 more structured damines wou	5 E Lonsdale	Fourl		nesses sever	alv damaged	Street departs	nent huild	ling damaged 20 fa	ms damaged or destroyed	
5 W Castle Rock         29         B32CST         3         440         0         0         Tornado (P2)           Le Steur County         1830CST         0         0         Hail (1.00)           Dakota County         1         0         0         Hail (1.00)           Dakota County         1         0         0         Hail (1.75)           Dakota County         1         100         0         Hail (1.00)           AS W Hastings         29         1843CST         1         100         0         Hail (2.00)           MX2041-047:048         Douglas - Stevens - Pope - Lac Qui Parle - Swift - Chippewa - Yellow Medicine         054:056-064         1         Hail (2.00)           MX2014-1047:048         Douglas - Stevens - Pope - Lac Qui Parle - Swift - Chippewa - Yellow Medicine         054:056-064         1         Heavy snow of 6 to 11 inches. Schools closed in the Dawson and Boyd areas. 9 inches reported at Canby and Glenwood MINNEOT2-1019-020         Northerr Cook / Northern Lake - Central St. Louis - Southern Cass - Southern Ita         0.52:026-033:037         1         1000CST         Heavy Snow           2359CST         0         0         Heavy Snow         1         1600CST         Heavy Snow         1           007:0000010050-         Southern Cass - Crow Wing - Northern Aitkin - Southerst Dita <t< td=""><td>Dakota County</td><td>Touri</td><td>nomes and o busi</td><td>incises seven</td><td>ciy damaged.</td><td>Succi departi</td><td></td><td>ing damaged. 20 fai</td><td>ins damaged of destroyed.</td><td></td></t<>	Dakota County	Touri	nomes and o busi	incises seven	ciy damaged.	Succi departi		ing damaged. 20 fai	ins damaged of destroyed.	
Le Steur County       29       1830CST       0       0       Hait (1.00)         Dakota County       55.55W Hastings to       29       1843CST       1       100       0       0       Tornado (F0)         4.55W Hastings to       29       1843CST       1       100       0       0       Tornado (F0)         4.55W Hastings to       29       1843CST       1       100       0       0       Hait (2.00)         MX2041-047:048       Douglas - Stevens - Pope - Lac Qui Parle - Swift - Chippewa - Yellow Medicar       1       1000CST       0       Heavy Snow         025-026-033       31       1100CST       0       0       Heavy Snow       1         025-026-033-03T       Southern Case - Corew Wing - Northern Aitkin - Southern Case - Northern St. Louis - Southern Case - Corew Wing - Northern Aitkin - Southern St. Louis - Southern Case - Corew Wing - Northern Aitkin - Southern St. Louis - Southern Case - Corew Wing - Northern Aitkin - Southern St. Louis - Carlon 1       1         31       1000CST       0       Northern Cook / Northern Ease - Central St. Louis - Southern St. Louis - Carlon 1       1         32       1000CST       0       0       IEavy Snow 2300CST       1       1000 Northern Cose - Northern Aitkin - Southern St. Louis - Southern Case - Corew Wing - Northern Aitkin - Southern St. Louis - Southern Case - Corew Wing - Northern Aitkin - S	5	29	1825CST	3	440	0	0		Tornado (F2)	
Etysian       29       1830CST       0       Itall (1.00)         Dakota County       -       -       Itall (1.75)         Dakota County       -       -       Tornado (F0)         4.5 SW Hastings to 4.5 SW Hastings to 5.5 SW Hastings to 4.5 SW Hastings to 5.5 SW Hastings to 4.5 SW Hastings to 5.5 SW Hastings to 5.5 SW Hastings to 5.5 SW Hastings to 5.5 SW Hastings to 4.5 SW Hastings to 5.5 SW Hastings to 5. SW Hasting to 5. S										
Datota County Farmington     29     1838CST     0     0     Hail (1.75)       Dakota County     5.55 WH Hastings to     29     1843CST     100     0     0     Tornado (F0)       4.55 WH Hastings     29     1843CST     100     0     0     Hail (1.75)       Dakota County     1843CST     0     0     Hail (2.00)       MNZ041-047>048-     Douglas - Stevens - Pope - Lac Qui Parle - Swift - Chippewa - Yellow Medicine     054>056-064     0     Heavy snow       2200CST     0     0     Heavy Snow     2200CST     Southern Case - Crow Wing - Northern Aitkin - Southern Lake - Northern St. Louis / Carlton       MNZ012-019-020-     Northern Case - Crow Wing - Northern Aitkin - Southern St. Louis / Carlton     31     1600CST     0     Heavy Snow       A early spring storm dropped 6 to 9 inches of wet, heavy snow in a 60 mile wide band from about Pine River to Ga     inchulang Dulut and the fron Rage. Strong winds guisting over 50 mph also produced near-bitzard conditions and to trees that were burdened with the wet, heavy snow. Some of these falling trees, in true, caused minor structural damage would down during the morning hours of April 1. The grantest structural wordfall was 9.5 inches at Polock-ot Other reports inches in Babbiti, Cloquet, and Brainerd and around 6 inches at Duluth, Tower, and Gunflin Lake.       MINZ001>005-     West Polk - Norman - Clay - Kittson - Roseau - West Marshall - East Marshall - Pennington - Red 1       027     13     9000CST	Ũ									
Farmington       29       1838CST       0       0       Hail (1.75)         Dakota County       29       1843CST       1       100       0       0       Tornado (F0)         4.5 SW Hastings to       29       1843CST       1       100       0       0       Hail (2.00)         Dakota County       1       100CST       0       0       Hail (2.00)       Hail (2.00)         MX2041-0447-0448-       Douglas - Stevens - Pope - Lac Qui Parle - Swift - Chippewa - Yellow Medicine       0       Heavy Snow         054>056-064       31       1100CST       0       0       Heavy Snow         2000CST       Reavy Snow of 6 to 11 inches. Schools closed in the Dawson and Boyd areas. 9 inches reported at Canby and Glowow       MINESOTA. Northern Cass - Crow Wing - Northern Aitkin - Southern KLouis / Carlton         025>026-033>037       1       1000CST       0       Heavy Snow         2390CST       1       1000CST       0       Heavy Snow         2390CST       1       1000CST       0       Heavy Snow         2390CST       0       0       Heavy Snow       13         007>008-013>015-002       West Polk - Normane - Kest Becker       Southern Cass - Crow Wing - Airthern Aitkin - Southern Stare Conditions. The reskint west bavy Snow       16	•	29	1830CST			0	0		Hail (1.00)	
Dakota County       5.5 WH Hastings to       29       1843CST       1       100       0       0       Tornado (F0)         4.5 WH Hastings       29       1843CST       1       100       0       0       Hail (2.00)         MNZ041-047>048-       Douglas - Stevens - Pope - Lac Qui Parle - Swift - Chippewa - Yellow Medicine       053>055-066       1       1       1100CST       0       0       Heavy Snow         025>025-0164       31       1100CST       0       0       Heavy Snow       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10       10	ĩ	20	1020.000			٥	0			
5.5 SW Hastings       29       1843CST       1       100       0       0       Tornado (F0)         4.5 SW Hastings       29       1843CST       0       0       Hail (2.00)         Dakota County Inver Grove Heights       29       1843CST       0       0       Hail (2.00)         MNZ041-047-0488. 054>056-064       10       100CST       0       0       Heavy Snow         1       100CST       0       0       Heavy Snow       6 to 11 inches. Schools closed in the Dawson and Boyd areas. 9 inches reported at Canby and Glenwood MINNESOTA. Northerst         2025-026-033>037       Northern Cook / Northern Lake - Central St. Louis - Southern Cases - Southern fata 0       0       Heavy Snow         2235/026-033>037       Northern Cook / Northern Lake - Central St. Louis - Southern St. Louis / Carlton 1600CST       0       Heavy Snow         2235/026-033>037       Southern Cases - Crow Wing - Northern dikin - Southern St. Louis / Carlton 1600CST       0       Netway Snow       10       10       Heavy Snow         2235/026-033>037       Southern Cases - Crow Wing - Northern dikin - Southern Cases - Southern Cases - Southern Cases - Crow Wing - Northern St. Louis - Southern Cases - Southern Cases - Crow Wing - Northern St. Louis - Southern Cases - Southern St. Louis - Southern Cases - Southern St. Louis	0	29	1838051			U	U		Hall $(1.75)$	
Dakota County Inver Grove Heights       29       1843CST       0       0       Hail (2.0)         MXZ041-047-5048, 054>056-064       200glas - Stevens - Pope - Lac Qui Parle - Swift - Chippewa - Yellow Medicine       1       100CST       0       0       Heavy Snow         0210-025       31       1100CST       0       0       Heavy Snow         025>026-033>037       Northern Cook / Northern Lake - Central St. Louis - Southern Aitkin - Southern St. Louis / Carlton 30       Southern Cass - Crow Wing - Northern Aitkin - Southern Aitkin - Southern St. Louis / Carlton 2359CST       0       0       Heavy Snow         025>026-033>037       Northern Cook / Northern Lake - Central St. Louis - Southern Aitkin - Southern St. Louis / Carlton 2359CST       0       0       Heavy Snow         025>026-033>037       Northern Cook / Northern Case - Crow Wing - Northern Aitkin - Southern Aitkin - Southern St. Louis / Carlton 2359CST       0       0       Heavy Snow         025>026-033>037       Northern Case - Crow Wing - Northern Aitkin - Southern Aitkin - Southern St. Louis / Carlton 2359CST       0       0       Heavy Snow         025>026-033>037       Northern Babbit. Cloquet, and Brainerd and around 6 inches at Duluth, Tower, and Guntlint Lake.       Heavy Snow       Southern Porteo Carlton Po	5.5 SW Hastings to	29		1	100	0	0		Tornado (F0)	
MNZ041-0475-048. 054>056-064       Douglas - Stevens - Pope - Lac Qui Parle - Swift - Chippewa - Yellow Medicine         0       31       1100CST 2200CST       0       Heavy Snow         1       100CST 2200CST       0       Heavy Snow         025>026-033>037       Northern Cook / Northern Lake - Central St. Louis - Southern Lake - Northern Cass - Southern Ita Southern Cass - Crow Wing - Northern Aitkin - Southern St. Louis / Carlton 31       1600CST 1       0       Heavy Snow         235>026-033>037       Northern Cook / Northern Cass - Crow Wing - Northern Aitkin - Southern St. Louis / Carlton 31       1600CST 1       0       Heavy Snow         2359CST       An early spring storm dropped 6 to 9 inches of wet, heavy snow in a 60 mile wide band from about Pine River to Cu including Duluth and the fron Range. Strong winds gusting over 50 mp also produced near-blizzard conditions and tu inches in Babbitt, Cloquet, and Brainerd and around 6 inches at Duluth, Tower, and Gunflint Lake.         MINZENTA_Northwest MNZ001>005- 027       West Polk - Norman - Clay - Kittson - Roseau - West Marshall - East Marshall - Pennington - Red 1 200CST         13       0900ST       0       15K       Blizzard         1200CST       0       0       Heavy Snow         027       13       000       15K       Blizzard         13       1200CST       0       0       15K       Blizzard         13       1200CST       <	0									
054>056-064       31       1100CST       0       0       Heavy Snow         2200CST       Heavy snow of 6 to 11 inches. Schools closed in the Dawson and Boyd areas. 9 inches reported at Canby and Glenwoo         MINNESOTA. Northeast       Northern Cook / Northern Lake - Central St. Louis - Southern Lake - Northern Cass - Southern Ita         025>026-033>037       Northern Cook / Northern Cass - Crow Wing - Northern Aitkin - Southern Aitkin - Southern St. Louis / Carlton         01       1600CST       0       Heavy Snow         2359CST       An early spring storm dropped 6 to 9 inches of wet, heavy snow, in a 60 mile wide band from about Pine River to Gu       including Duluth and the from Range. Strong winds gusting over 50 mph also produced near-bizzard conditions and to trees that were burdened with the wet, heavy snow, Some of these failing trees, in turn, caused minor structural damage wound down during the moring hours of April 1. The greatest snowfall was 9.5 inches at Floodwood. Other reports inches in Babbitt, Cloquet, and Brainerd and around 6 inches at Duluth, Tower, and Gunflint Lake.         MINZENTA. Northwest       East Polk - Norman - Clay - Kittson - Roseau - West Marshall - East Marshall - Pennington - Red 1 (207>018-013-015-022         007>008-013-015-022       East Polk - Mahnomen - West Becker         027       13       0900CST       0       15K       Blizzard         1200CST       0       0       15K       Blizzard         13       0900CST       0       0	Inver Grove Heights	29	1843CST			0	0		Hail (2.00)	
31       1100CST 2000CST       0       Heavy snow         MINNESOTA. Northeast       Inches       Schools closed in the Dawson and Boyd areas.       9 inches reported at Canby and Glenwoo         MIX2012-019>020- 025>026-033>037       Northern Cosk / Northern Lake - Central St. Louis - Southern Lake - Northern Cass - Southern Lake       Northern Cass - Crow Wing - Northern Aitkin - Southern Aitkin - Southern St. Louis / Carlton 31       1600CST       0       Heavy Snow         An early spring storm dropped 6 to 9 inches of wet, heavy snow. Some of these falling trees, in ture, caused minor structural damage wound down during the morning hours of April 1. The greatest snowfall was 9.5 inches at Floodwood. Other reports inches in Babbit. Cloquet, and Brainerd and around 6 inches at Duluth, Tower, and Gunffint Lake.         MIX2001>005- 007-008-013>015-022- 027       West Polk - Norman - Clay - Kittson - Roseau - West Marshall - East Marshall - Pennington - Red 1 200CST       Blizzard 1200CST         NXZ001>005- 007-2008-013>015-022- 027       Mest Polk - Mahnomen - West Becker 027       0       0       15K         MIX2022>023-027>03       Mahnomen - Clay - Kittson - Roseau - West Marshall - East Marshall - Pennington - Red 1 200CST       0       16W structure 13       000CST         MIX2022>023-027>03       Mahnomen - South Clearwater - West Becker - Wilkin - West Otter Tail 1200CST       0       15K       Blizzard 1200CST         MIX2022>023-027>03       Mahnomen - South Clearwater - Vest Becker - East Becker - Wilkin - West Otter Tail 13	MNZ041-047>048-	Doug	glas - Stevens -	Pope - La	c Qui Parle	- Swift - Ch	ippewa	- Yellow Medicin	e	
2200CST         MINNESOTA, Northeast         MNZ012-019>020- 025>026-033>037       Northern Cook / Northern Lake - Central St. Louis - Southern Lake - Northern Cass - Southern Ita Southern Cass - Crow Wing - Northern Aitkin - Southern Aitkin - Southern Xit, Ouis / Carlton 31         1       1600CST 2359CST       0       0       0       Heavy Snow         An early spring storm dropped 6 to 9 inches of wet, heavy snow in a 60 mile wide band from about Pine River to Gu including Duluh and the Iron Range. Strong winds gusting over 50 mph also produced near-blizzard conditions and to trees that were burdened with the wet, heavy snow. Some of these falling trees, in turn, caused minor structural damag wound down during the morning hours of April 1. The greatest snowfall was 9.5 inches at Floodwood. Other reports inches in Babbit, Cloquet, and Brainerd and around 6 inches at Duluth, Tower, and Gunflint Lake.         MININESOTA. Northwest MNZ001>005- 007>008-013>015-022- 027       West Polk - Norman - Clay - Kittson - Roseau - West Marshall - East Marshall - Pennington - Red 1 200CST       0         A strong cold front moved south from Canada across eastern North Dakota and northwest Minnesota, creating grot conditions. The front moved quickly from north to south, driven by a strong pressure gradient, but dropped little snow visibilities were created as the wind picked up the top crust of snow. After the initial burst of 1 inches wind, visibil improved. Hallock reported a gust to 46 mph, crookston had a gust to 46 mph, and Fergus Falls had a gust to 51 mph. wind damaged a church roof in Moorhead.         MNZ0022>023-027>030       Mahomen - South Clearwater - West Becker - East Becker - Wilkin - West Otter Tal 3 1 700CS	054>056-064		1100 000			0	<u>^</u>			
Heavy snow of 6 to 11 inches. Schools closed in the Dawson and Boyd areas. 9 inches reported at Canby and Glenwood         MINESOTA. Northerast         MNZ012-019>020- 025>026-033>037       Northern Cass - Crow Wing - Northern Aitkin - Southern Aitkin - Southern St. Louis / Carlton 31 1600CST 0 0 0 Heavy Snow         2359CST       O 0 Heavy Snow         An early spring storm dropped 6 to 9 inches of wet, heavy snow in a 60 mile wide band from about Pine River to Gu including Duluth and the fron Range. Strong winds gusting over 50 mph also produced near-bilzzard conditions and to trees that were burdened with the wet, heavy snow. Some of these falling trees, in turn, caused minor structural damag wound down during the morning hours of April 1. The greatest snowfall was 9.5 inches at Floodwood. Other reports inches in Babbit, Cloquet, and Brainerd and around 6 inches at Duluth, Tower, and Gunflint Lake.         MIXNESOTA. Northwest       West Polk - Norman - Clay - Kittson - Roseau - West Marshall - East Marshall - Pennington - Red 1 2007-5008-013>015-022       Vest Polk - Norman - Clay - Kittson - Roseau - West Marshall - East Marshall - Pennington - Red 1 200CST       D         MXZ0012-005- 007       O       15K       Bilizzard         007-5008-013>025-022- 027       13       0900CST       0       15K       Bilizzard         007-5008-013>025       Gold from moved quickly from north to south, driven by a strong pressure gradient, but dropped little snow visibilities were created as the wind picked up the top crust of snow. After the initial burst of intenes wind, visibil improved. Hallock reported a gust to		31				0	0		Heavy Snow	
MINNESOTA. Northeast         MNZ012-019>020- 025>026-033>037       Northern Cook / Northern Lake - Central St. Louis - Southern Lake - Northern Cass - Southern Ita Southern Cass - Crow Wing - Northern Aitkin - Southern Aitkin - Southern St. Louis / Carlton 31         1       1600CST       0       Heavy Snow 2359CST         An early spring storm dropped 6 to 9 inches of wet, heavy snow in a 60 mile wide band from about Pine River to Gu including Duluth and the Iron Range. Strong winds gusting over 50 mph also produced near-blizzard conditions and to trees that were burdened with the wet, heavy snow. Some of these falling trees, in turn, caused minor structural damag wound down during the morning hours of April 1. The greatest snowfall was 9.5 inches at Floodwood. Other reports inches in Babbitt, Cloquet, and Brainerd and around 6 inches at Duluth, Tower, and Gunflint Lake.         MINNESOTA. Northwest       West Polk - Norman - Clay - Kittson - Roseau - West Marshall - East Marshall - Pennington - Red 1 007>008-013>015-022- 027         13       0900CST       0       15K         0207       13       0900CST 1200CST         A strong cold front moved south from Canada across eastern North Dakota and northwest Minnesota, creating grow visibilities were created as the wind picked up the top crust of snow. After the initial bust of intense wind, visibili improved. Hallock reported a gust to 46 mph, Crookston had a gust to 46 mph, and Fergus Falls had a gust to 51 mph. wind damaged a church roof in Moorhead.         MNZ022>023-027>030       Mahnomen - South Clearwater - West Becker - East Becker - Wilkin - West Otter Tail 31       1700CST 10         31 </td <td></td> <td>Heavy</td> <td></td> <td>inches. Scho</td> <td>ools closed in t</td> <td>he Dawson a</td> <td>nd Boyd a</td> <td>areas. 9 inches report</td> <td>ted at Canby and Glenwood.</td> <td></td>		Heavy		inches. Scho	ools closed in t	he Dawson a	nd Boyd a	areas. 9 inches report	ted at Canby and Glenwood.	
MNZ012-019>020- 025>026-033>037Northern Cook / Northern Lake - Central St. Louis - Southern Lake - Northern Cass - Southern Ita Southern Cass - Crow Wing - Northern Aitkin - Southern Aitkin - Southern St. Louis / Carlton 31 1600CST 0 0 Heavy Snow 2359CST 0 0 0 Heavy Snow 2359CST An early spring storm dropped 6 to 9 inches of wet, heavy snow in a 60 mile wide band from about Pine River to Gu including Duluth and the Iron Range. Strong winds gusting over 50 mph also produced near-Diszard conditions and to trees that were burdened with the wet, heavy snow. Some of these falling trees, in turn, caused minor structural damage wound down during the morning hours of April 1. The greatest snowfall was 9.5 inches at Floodwood. Other reports inches in Babbitt, Cloquet, and Brainerd and around 6 inches at Duluth, Tower, and Gunflint Lake.MINNESOTA. NorthwestWest Polk - Norman - Clay - Kittson - Roseau - West Marshall - East Marshall - Pennington - Red I 2007>008-013>015-022- 027West Polk - Norman - Clay - Kittson - Roseau - West Marshall - East Marshall - Pennington - Red I 2000SCST 0 0 15K Blizzard 1200CSTMNZ022>023-027>030Mahnomen - South from Canada across eastern North Dakota and northwest Minnesota, creating grov conditions. The front moved south from Canada across eastern North Dakota and northwest Minnesota, creating grov wisbilities were created as the wind picked up the top crust of snow. After the initial burst of intense wind, visibili improved. Hallock reported a gust to 46 mph, Crookston had a gust to 46 mph, and Fergus Falls had a gust to 51 mph. wind damaged a church roof in Moorhead.MNZ022>023-027-030Mahnomen - South Clearwatter - West Becker - East Becker - Wilkin - West Otter Tail 31 1700CST 0 0 Heavy Snow 2359CSTBands of heavy snow fell as wrap-around precipitation from a low pressure system tracki	MINNESOTA. Northe	-					-		·	
025>026-033>037       Southern Cass - Crow Wing - Northern Aitkin - Southern Aitkin - Southern St. Louis / Carlton 31 1600CST 0 0 0 Heavy Snow         3259CST       An early spring storm dropped 6 to 9 inches of wet, heavy snow in a 60 mile wide band from about Pine River to Gu including Duluth and the Iron Range. Strong winds gusting over 50 mph also produced near-blizzard conditions and to trees that were burdened with the wet, heavy snow. Some of these falling trees, in turn, caused minor structural damag wound down during the morning hours of April 1. The greatest snowfall was 9.5 inches at Floodwood. Other reports inches in Babbit, Cloquet, and Brainerd and around 6 inches at Duluth, Tower, and Gunflint Lake.         MINNESOTA. Northwest       West Polk - Norman - Clay - Kittson - Roseau - West Marshall - East Marshall - Pennington - Red 1 007>008-013>015-022- 027         13       0900CST 1200CST       0       15K         0       16K       16Keeree         0       0       15K       Blitzard         13       0900CST       0       16K         <			hern Cook / No	orthern La	ke - Central	St. Louis -	Souther	rn Lake - Northei	n Cass - Southern Itasca	
31       1600CST 2359CST       0       0       Heavy Snow         3259CST       0       0       Heavy Snow         31       An early spring storm dropped 6 to 9 inches of wet, heavy snow in a 60 mile wide band from about Pine River to Gu including Duluth and the Iron Range. Strong winds gusting over 50 mph also produced near-blizzard conditions and to trees that were burdened with the wet, heavy snow. Some of these failing trees, in turn, caused minor structural damag wound down during the morning hours of April 1. The greatest snowfall was 9.5 inches at Floodwood. Other reports inches in Babbitt, Cloquet, and Brainerd and around 6 inches at Duluth, Tower, and Gunflint Lake.         MINNESOTA. Northwest       West Polk - Norman - Clay - Kittson - Roseau - West Marshall - East Marshall - Pennington - Red 1 007>008-013>015-022-         027       13       0900CST 1200CST       0       15K       Blizzard         0210       13       0900CST 1200CST       0       0       15K       Blizzard         1200CS1       0       0       15K       Blizzard       1200CST         021       1200CST       0       0       15K       Blizzard         1200CST       0       0       15K       Blizzard         1200CST       0       0       15K       Blizzard         1200CST       0       0       16kmph, and Fergus Falls had a gust to 51 mph. wind damaged a church roof in Moorhead.     <										•
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wound down during the morning hours of April 1. The greatest snowfall was 9.5 inches at Floodwood. Other reports inches in Babbitt, Cloquet, and Brainerd and around 6 inches at Duluth, Tower, and Gunflint Lake.         MINZ001>005- 007>008-013>015-022- 027       West Polk - Norman - Clay - Kittson - Roseau - West Marshall - East Marshall - Pennington - Red I East Polk - Mahnomen - West Becker         027       13       0900CST 1200CST       0       15K       Blizzard         13       0900CST 1200CST       0       15K       Blizzard         A strong cold from moved south from Canada across eastern North Dakota and northwest Minnesota, creating grot conditions. The front moved quickly from north to south, driven by a strong pressure gradient, but dropped little snow visibilities were created as the wind picked up the top crust of snow. After the initial burst of intense wind, visibil improved. Hallock reported a gust to 46 mph, crookston had a gust to 46 mph, and Fergus Falls had a gust to 51 mph. wind damaged a church roof in Moorhead.         MNZ022>023-027>030       Mahnomen - South Clearwater - West Becker - East Becker - Wilkin - West Otter Tail 31       1700CST 2359CST       0       0       Heavy Snow         Bands of heavy snow fell as wrap-around precipitation from a low pressure system tracking toward the Great Lakes. So became nearly stationary, extending from southeast Richland county in North Dakota to southern Clearwater county in Heavy snow fell across this line, with a sharp cutoff to little snow on either side of the line. The snow finally let up ar on April 1st. 10 inches fell near Bass Lake in Mahnomen county, 11 inches fell near Tulaby Lake in Becker county, a fell at Waubun in		includ	ing Duluth and the	he Iron Rang	e. Strong wind	ls gusting ove	er 50 mph	also produced near-	blizzard conditions and toppl	ed a few
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MINNESOTA, SoutheastMower County3 N Austin291550CST0012KHail (1.00)							ny, 11 m	enes ten near Tulaby	Lake in Decker county, and	> mene.
Mower County         3 N Austin         29         1550CST         0         0         12K         Hail (1.00)	MINNESOTA. Southe				•					
3 N Austin 29 1550CST 0 0 12K Hail (1.00)										
Dodge County	3 N Austin	29	1550CST			0	0	12K	Hail (1.00)	
Havfield 29 1557CST 0 0 Hail (0.88)	Dodge County	20	1 <i>557/</i> /8T			Δ	A		Usil (0.99)	

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)		iber of sons Injured	Estim Dam Property	Character of Storm	March 1998
MINNESOTA, Sout	theast								
Olmsted County Salem Corners	29	1600CST			0	0		Hail (0.88)	
Olmsted County Byron	29	1602CST			0	0		Hail (0.75)	
Olmsted County 6 NW Byron	29	1610CST 1615CST			0	0	40K	Hail (2.50)	
Dodge County 5 NE Mantorville	29	1612CST			0	0		Hail (0.75)	
Olmsted County Rochester	29	1614CST			0	0	20K	Hail (1.00)	
Olmsted County Rochester	29	1615CST			0	0	250K	Hail (1.50)	
Olmsted County 2 N Rochester	29	1616CST			0	0	50K	Hail (2.00)	
Dodge County Mantorville	29	1619CST			0	0	20K	Hail (1.75)	
Dodge County 5 NE Mantorville	29	1619CST			0	0		Hail (0.88)	
Wabasha County Zumbro Falls	29	1650CST			0	0	50K	Hail (1.75)	
Wabasha County Wabasha	29	1705CST			0	0	15K	Hail (0.88)	
Wabasha County Lake City	29	1707CST			0	0		Hail (0.75)	
Wabasha County 3 W Wabasha to 2 W Wabasha	29	1707CST 1710CST	1.5	50	0	0		 Tornado (F0) enforcement officia	

Hail the size of dimes to as large as tennis balls was reported by storm spotters and law enforcement officials across parts of southeast Minnesota. The city of Rochester was especially hit hard with significant hail damage to cars and trucks. A tornado touched down briefly near Wabasha as well, but no injuries or damage was reported.

#### **MINNESOTA**, Southwest

Rock County Hardwick	29	1500CST			0	0		Hail (1.50)
	2)	1300031			U	U		Hall (1.50)
Pipestone County	20	1505007			0	0		
Edgerton	29	1507CST			0	0		Hail (2.00)
Nobles County								
2 N Lismore	29	1523CST 1535CST	0.1	75	0	0	400K	Tornado (F2)
	A torna	ado destroyed build	lingstrees in	shelter belts.	and nume	rous piece	s of farm equipme	entand killed two cattle.
Nobles County								
3 E Leota	29	1525CST 1530CST	0.1	50	0	0	10K	Tornado (F0)
	A torna	ado damaged trees	and a few bui	ldings.				
Nobles County								
2 N Wilmont	29	1528CST	0.1	50	0	0	50K	Tornado (F0)
210 00 1110110		1533CST	011	20	Ū	Ū	0.011	
	A torna	ado caused damage	to trees and a	a few building	28.			
Murray County		U		c c	2			
3 S Chandler	29	1533CST			0	0		Hail (1.00)
	2)	1555651			U	U		Han (1.00)
Nobles County	•	1525007	0.1		0	0	20077	
1.5 NW St Killian	29	1535CST	0.1	75	0	0	200K	Tornado (F2)
	A 4	1545CST	1					1
	A torna	ado destroyed farm	buildingsuj	prooted nume	rous trees	and overtu	irned a tractor tra	lier.
Nobles County								
3 NE St Killian	29	1545CST 1555CST	0.1	50	0	0	100K	Tornado (F1)

Location       Time Local/       Path Length       Path Width Persons       Damage Damage Property       Crops       Character of Storm         MINNESOTA, Southwest A tornado damaged trees and destroyed old farm buildings.       A tornado damaged trees and destroyed old farm buildings.       0       0       100K       Hail (3.00)         Murray County Avoca       29       1545CST       0       0       100K       Hail (3.00)         Murray County       Large hail broke many windows, and damaged vehicles, siding, and roofs.       Murray County       Hail (3.00)       100K       Hail (3.00)	March 1998
Location     Date     Standard     (Miles)     (Yards)     Killed     Injured     Property     Crops     Character of Storm       MINNESOTA, Southwest     A tornado damaged trees and destroyed old farm buildings.     A tornado damaged trees and destroyed old farm buildings.       Murray County     Avoca     29     1545CST     0     0     100K     Hail (3.00)       Large hail broke many windows, and damaged vehicles, siding, and roofs.     Large hail broke many windows, and damaged vehicles, siding, and roofs.     Atornado     Atornado	
A tornado damaged trees and destroyed old farm buildings.         Murray County         Avoca       29       1545CST       0       0       100K       Hail (3.00)         Large hail broke many windows, and damaged vehicles, siding, and roofs.       Hail (3.00)       100K       Hail (3.00)	
Murray County Avoca291545CST00100KHail (3.00)Large hail broke many windows, and damaged vehicles, siding, and roofs.	
Avoca291545CST00100KHail (3.00)Large hail broke many windows, and damaged vehicles, siding, and roofs.	
Murray County	
7 E Avoca to         29         1550CST         2.5         900         0         0         50K         Tornado (F1)           9 E Avoca         1555CST	
Cottonwood County	
5 S Westbrook to         29         1555CST         39.5         900         0         3         30M         Tornado (F3)           12 N Mountain Lake         1630CST         1630CST	
A strong tornado which began in Murray County tracked across Cottonwood County and then further northor destroyed numerous farms, farm equipment, buildings, trees, power lines and poles, vehicles, and other structur vehicle was tossed a hundred yards as it hit the first farm in southwest Cottonwood County. People in the basemer this farm received minor injuries. The tornado also destroyed a church near Jeffers, and destroyed numerous home part of Comfrey, a city which is only partly in Cottonwood County.	res in its path. A t of the house on
Murray County         4 SW Fulda         29         1555CST         0.1         50         0         0         50K         Tornado (F1)	
1602CST	
A tornado damaged trees and destroyed old farm buildings. MNZ071>072-097>098 Lincoln - Lyon - Pipestone - Rock 31 0800CST 0 0 Heavy Snow 2300CST	
Wet snow accumulated 6 to 12 inches.	
MINNESOTA, West	
NONE REPORTED.	
MINNESOTA, West Central	
MNZ039-046 Traverse - Big Stone 31 1500CST 0 0 Winter Storm 2300CST	
Sleet mixed with rain changed over to heavy snow across Big Stone and Traverse counties in the afternoon of the 3 of 7 to 11 inches combined with strong winds of 20 to 40 mph to generate poor visibilities and treachorous making travel almost impossible. Some schools were let out early on the 31st and canceled on April 1st. Also, m sports events were canceled. Some snowfall amounts included, 7 inches at Ortonville, 8 inches at Wheaton, 9 included, and 11 inches at Browns Valley.	road conditions, any activities and
MISSISSIPPI, Central	
Copiah County	
Gallman051422CST0050KLightningLightning struck a house and started a fire. The house was burned to the ground.	
Clarke County	
Elwood051935CST00Hail (1.00)Clarke County	
Clarke County Quitman051941CST00100KHail (1.75)Hail damaged roofs of houses and automobiles.	
Clarke County	
15 E Quitman         05         1959CST         0         0         Hail (1.75)           Jefferson County                    Hail (1.75) <td< td=""><td></td></td<>	
Lorman 05 2240CST 0 0 Hail (1.75)	
Jefferson County Fayette 05 2310CST 0 0 Hail (0.75)	
Winston County 6 SW Noxapater062250CST00Hail (0.75)	
Oktibbeha County4 E Starkville062352CST00Hail (1.00)	

Location	Dete	Local/	~ .						March 1998
	Date	Standard	Length (Miles)	Width (Yards)	Persor Killed	ıs Injured	Damage Property Crops	Character of Storm	
MISSISSIPPI, Centra	<u>l</u>								
Smith County Mize	07	0445CST			0	0		Hail (0.75)	
Lamar County					-	-			
Purvis	07 Many	0455CST roofs of houses	and autom	obile were damag	0 ged.	0	100K	Hail (1.75)	
Lincoln County									
Brookhaven	07 Many	0455CST automobiles and	l roofs wer	e damaged.	0	0	250K	Hail (1.75)	
Lincoln County	-			-					
Brookhaven	07	0455CST			0	0		Hail (0.75)	
Forrest County Hattiesburg	07	0501CST			0	0		Hail (1.00)	
Forrest County									
3 S Petal	07	0515CST			0	0		Hail (1.00)	
Simpson County Pinola	07	0530CST			0	0		Hail (1.00)	
Lincoln County 3 SW Brookhaven	07	0559CST			0	0		Hail (0.88)	
Simpson County Mendenhall	07	0605CST			0	0		Hail (0.88)	
Warren County Vicksburg	07	0650CST			0	0		Hail (0.75)	
Madison County Madison	07	0700CST			0	0		Hail (0.75)	
Issaquena County									
Fitler	07	0740CST			0	0		Hail (0.75)	
Lincoln County 2 N Brookhaven	07	1247CST			0	0		Hail (0.88)	
Simpson County D Lo	07	2000CST			0	0		Flash Flood	
DLO		2100CST 2100CST al small creeks o	ver spilled	their banks.	U	U		Flash Flood	
Smith County			· • • • • • • • • • • • • • • • • • • •						
2 W Raleigh	07	2000CST 2100CST			0	0		Flash Flood	
	Roads	were flooded. V	Vater was l	knee deep in seve	ral places.				
Lamar County					0	0			
Purvis	07 08 Monu	2005CST 0200CST	dad thuan a	hout the country of	0 	0	out of their banks.	Flood	
<b>Covington County</b>	wany	Toaus were moo	ueu unougi	nout the county a	nu severai crei	eks were	out of their ballks.		
Collins	07	2030CST 2130CST			0	0		Flash Flood	
	Severa	al roads were flo	oded.						
Jones County									
Laurel	07	2030CST 2230CST	CI		0	0		Flash Flood	
	Many	roads and street	s were floo	ded.					
Forrest County Hattiesburg	07 08	2100CST 0200CST			0	0	50K	Flood	
			flooded an	d several creeks	spilled out of t	heir ban	ks. Several houses had	l water in them.	
MSZ044>045-047-057		e - Neshoba -							
	16 17	2330CST 2330CST		-	0	0	95K	High Wind (G	40)
a a	One b	uilding was dest	royed and s	several other wer	e damaged. Ti	ees were	e blwon down through	out the county.	
Copiah County Crystal Spgs	19	1700CST			0	0		Hail (1.00)	

		Time	Path	Path	Number	r of	Estimated	Mar	ch 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persor		Damage Property Crops	Character of Storm	
MISSISSIPPI, Centra	1	Standard	(111105)	(Turus)	111100	injureu	Topeny crops		
Lincoln County 7 S Brookhaven	19	1753CST			0	0		Hail (0.88)	
Lincoln County									
3 SE Brookhaven Webster County	19	1800CST			0	0		Hail (0.75)	
4 N Eupora Oktibbeha County	19	1809CST			0	0		Hail (1.00)	
10 S Starkville	19	1943CST			0	0		Hail (0.75)	
Kemper County 2 S Preston	19	2025CST			0	0		Hail (0.88)	
Noxubee County Macon	19	2045CST			0	0		Hail (0.75)	
Scott County	17	2010001			Ū	Ū		Hun (0.75)	
4 S Morton	31 Sever	1325CST al trees were blo	wn down.		0	0	2K	Thunderstorm Wind	
Smith County									
Burns	31 Trees	1335CST and power lines	were blow	vn down.	0	0	3K	Thunderstorm Wind	
Newton County	31	1415CST			0	0	3K	These desired and a state of the state of th	
5 NE Newton		al trees and pow	er lines we	ere blown down.	U	U	JK	Thunderstorm Wind	
Newton County	21	1455007			0	0			
Decatur	31 Sever	1455CST al trees and pow	er line wer	e blown down.	0	0	3K	Thunderstorm Wind	
Jones County		-							
Laurel MISSISSIDDI North	31	1835CST			0	0		Hail (1.00)	
MISSISSIPPI, North Union County									
5 SE Keownville	05 06	2255CST 2300CST			0	0	0.05K	Hail (0.88)	
Lee County	00	2300031							
Baldwyn	05 06	2312CST 2317CST			0	0	0.10K	Hail (1.00)	
Chickasaw County	00	2317031							
Woodland	05 06	2320CST 2325CST			0	0	0.50K	Hail (1.50)	
			l reached a	depth of 2 to 3 i	nches on the g	round.			
Itawamba County					0		0.0477		
Fulton	05 06	2320CST 2325CST			0	0	0.01K	Hail (0.75)	
	Dime	size hail covere	d the grour	nd.					
Itawamba County Fulton	05	2344CST			0	0	0.10K	Hail (1.00)	
	06	2349CST							
Itawamba County Mantachie	05	2344CST			0	0	1K	Thunderstorm Wind	
	06	2349CST al trees were blo	wn down						
Lowndes County	50.01		uo min						
(Cbm)Columbus Afb	06	0025CST 0030CST			0	0	0.11K	Hail (1.00)	
Chielesson Comme	Hail r	ranged in size fro	om dime to	quarter.					
Chickasaw County 1 W Okolona	06	0115CST			0	0	0.10K	Hail (1.00)	
Lowndes County		0120CST							
4 W Columbus	07	0000CST 0005CST			0	0	0.01K	Hail (0.75)	
		0005051							

	S	Storm D	ata ar	nd Unu	sual W	eath	er Pheno	omena
Location	Date	Time Local/	Path Length	Path Width	Numbe Perso	ns	Estimated Damage	March 1998
	Dute	Standard	(Miles)	(Yards)	Killed	Injured	Property Crop	OS Character of Storm
MISSISSIPPI, North								
Yalobusha County Water Vly	<b>17</b> A lar	0130CST 0135CST ge greenhouse w	vas blown do	wn. Several tre	0 ees were also ki	0 nocked de	5K	Thunderstorm Wind
Lafayette County		0 0						
Countywide	17 Many	0200CST 0215CST	n lin oo wono l	luncated down	0 through out the	0	10K	Thunderstorm Wind
Chielescow County	Many	y trees and powe	er lines were	knocked down	throughout the	county.		
Chickasaw County Houston	19	1825CST 1830CST			0	0	0.75K	Hail (1.75)
Lowndes County 2 W Columbus	19	2020CST 2025CST			0	0	0.01K	Hail (0.75)
MISSISSIPPI, South								
Jackson County Pascagoula	<b>05</b> Lighti	1130CST ning struck and	sheared off a	a 60 foot utility	<b>0</b> y pole resulting	0 in an ex	tensive power outa	<b>Lightning</b> ge, up to 7 hours, in Pascagoula, Ocean
	Spring	gs and Gautier.					-	
Hancock County Pearlington	06	1405CST			0	0		Hail (1.75)
Pearl River County Poplarville	<b>07</b> A hou	0523CST use fire started b	y lightning c	aused extensiv	0 e damage.	0	90K	Lightning
Hancock County 2 N Kiln	<b>07</b> Quart	0545CST er size hail was	reported at so	everal location	0 s around the co	0 unty.		Hail (1.00)
Hancock County			•			•		
Countywide	07 08	1200CST 0100CST			0	0		Flash Flood
Harrison County	07	1000000			0	0		
Countywide	07 08	1200CST 0100CST			0	0		Flash Flood
Jackson County								
Countywide	alread street tides	ly saturated from flooding was re along the coast	n 1.5 to 3 inc eported in ma which restrie	ches of rain that any communiti cted runoff fro	t had occurred es, especially om drainage ca	the prev near the nals and	ious day, therefore the coast. Strong so small streams into	Flash Flood long the Mississippi Coast. The soil was there was extensive runoff. Widespread outherly winds resulted in above normal the Gulf. A number of houses in each ne residents evacuated.
Hancock County Logtown	07	2100CST			0	0		Hail (1.75)
Hancock County Bay St Louis	07	2100CS1 2125CST			0	0		Hail (1.75)
Harrison County	07	2123031			v	v		Han (1.73)
Pass Christian	07	2130CST			0	0		Hail (1.75)
Hancock County Pearlington	07	2130CST			0	0		Hail (1.75)
Harrison County Long Beach	07	2142CST			0	0		Hail (1.75)
Long Deach					v	U		11an (1.73)

**09 1200CST** Heavy rainfall of 5 to 8 inches during the past several days caused several rivers along the Mississippi Coast to exceed flood stage and result in considerable low land flooding. The following rivers reached crest stage on March 8, 1998: Biloxi River at Lyman - 15.4 feet, flood stage 12.0 ft; Tchoutacabouffa River at D'Iberville - 12.0 ft, flood stage 8.0 ft; Wolf River near Gulfport - 10.3 ft, flood stage 8.0 ft.

0

Flood

0

MSZ081>082

Harrison - Jackson

0100CST

08

	St	torm I	Data a	nd Unu	sual W	eath	er Phenon	nena
		Time Local/	Path Length	Path Width	Number Person		Estimated Damage	March 199
Location	Date	Standard	(Miles)	(Yards)		Injured	Property Crops	Character of Storm
MISSISSIPPI, South	<u>east</u>							
Greene County		1000 000	-		0			
Mc Lain to Leakesville	05	1338CS 1430CS			0	0	80K 20K	Hail (2.75)
	storm r hail alc about f thrown through still vis across and sid The arc who liv were fa	re thundersto noved just no ong its track ive miles wit them on the nout the city. tible the next the top with ing chipped ea where the yed in mobil acing south a	orm develope orth of State I from McLain de. Pine neec ground). T The elemen day along th jagged edges by the hail. baseball hail e homes had und west wer	Highway 57 bef- to Leakesville. Illes and leaves whe most severe tary school in I te shady sides o . Almost every People who had was observed w very visible dir	ore dissipating of There was bas vere stripped fro damage was ar eakesville repo f buildings. Per vehicle, that was a screened porch vas not heavily ngs in them. So a large hail. Th	east of L seball size ound the rted hail rsons wh as outsid hes facin populate everal ve nis was t	eakesville. The thund ze hail reported near t (it looked like someo e city of Leakesville. d drifts to the bottom to observed the hail suff ag south and west had ed. Residents in this a chicles had their wind	I moved east across the county. The lerstorm dropped dime to golfball she prison. The swath of damage want had put the leaves in a blender a Hail depth was six to twelve inch of the school; swindows. Drifts was id it was flat on the bottom and or ered damage. Many homes had pa the screens ripped apart by the ha wea who had homes with tin roofs shields broken. Many windows the across the county since the National the screens ripped apart by the half and the screens ripped apart by the half and the screens the source of the screens ripped apart by the half area who had homes with tin roofs shields broken. Many windows the screens the source of the screens ripped apart by the screens the screens ripped apart by the screens ripped
Perry County	weath		neu keeping	severe weather	lecolus III 1950.	•		
Kittrell	05 Dime s	<b>1945CS</b> <b>1946CS</b> ize hail was		Kittrell	0	0		Hail (0.75)
Stone County	Dinie		eponeu neu					
Perkinston	06 Dime s	1515CS 1516CS	Г	southwest of Pe	0 rkinston	0		Hail (0.75)
Wayne County	Diffie s	ize nan was	reported just	southwest of re	IKIIIStoff.			
Mulberry	<b>07</b> Dime s	0600CS 0601CS ize hail was		Mulberry.	0	0		Hail (0.75)
George County			1	,				
Lucedale	<b>07</b>	2125CS 2126CS		Lucedale	0	0		Hail (0.75)
Greene County	Diffic 5	ize nan was	reported near	Eucedaic.				
Pisgah	<b>07</b>	2142CS 2144CS		Disgob	0	0		Hail (0.75)
Greene County	Diffie s	ize nan was	reported fiear	r isgaii.				
5 SE Kittrell	31	1930CS 1931CS	Г		0	0		Hail (0.75)
MIGGOUDI E4	Dime s	ize hail was	reported along	g County Road	57 near Knobto	wn.		
MISSOURI, East MOZ009>010- 018>019-026>027- 034>036-041>042- 047>052-059>065- 072>073-084	Cole -	Osage - Ca uis (C) - Je	allaway - M fferson - C		Lincoln - Ga	sconad		one - Audrain - Moniteau - harles - Franklin - St. Louis -
	08 09	2200CS 1200CS	Г		0	0		Winter Storm
	Missou of the n crawl th	ri. The heavi najor highwa ne morning o	est snow fell ys, including f the 9th. Sev	from central int Interstate 70 fro	o northeast Mis om Columbia to arred in traffic a	souri wh St. Loui	here amounts averaged is and Highway 61 fro	ast central and parts of south cent from 4 to 6 inches. Traffic on mar m St. Louis to Hannibal, slowed to . An 84 year old woman in Columb
Franklin County Countywide	20	0430CS 1000CS			0	0		Urban/Sml Stream Fld
Gasconade County Countywide	20	0430CS 1000CS	Г		0	0		Urban/Sml Stream Fld

		Time Local/	Path Length	Path Width	Number Persor		Estimated Damage	March 1998
Location	Date	Standard	(Miles)	(Yards)		Injured	Property Crops	Character of Storm
MISSOURI, East								
Jefferson County								
Countywide	20	0430CST 1000CST			0	0		Urban/Sml Stream Fld
Warren County								
Countywide	20 Over	0430CST 1000CST	2 inches m	no du cod main on fl	0	0	ssings have improve	Urban/Sml Stream Fld able and some small streams rose ou
	of thei	ir banks. Count	y roads AK		anklin County	were clo	osed for a while as we	ere a few county roads in Gasconad
Boone County Columbia	27	1555CST			0	0		Thunderstorm Wind (G51)
Boone County	21	1555051			U	U		Thunderstorm wind (G31)
Columbia	mobile		troyed and					<b>Thunderstorm Wind (G51)</b> the Columbia area. The porch of a barn just outside of town lost its roo
Osage County								
Freeburg	27 Wind	1601CST gusts from a lin	ne of thunde	erstorms blew the	0 e camper off a j	0 pickup tr	ruck. A truck trailer wa	Thunderstorm Wind (G50) as also damaged.
Gasconade County								
Bland	27 Thund	1620CST lerstorm wind g	gusts downe	ed trees.	0	0		Thunderstorm Wind (G50)
Boone County Centralia	<b>27</b> Thund	1620CST derstorm winds	downed tre	es across the are	0 a. One tree bloo	0 cked Roi	ute CC on the west side	<b>Thunderstorm Wind (G50)</b> e of town.
Gasconade County								
Hermann	27	1620CST			0	0		Thunderstorm Wind (G51)
Gasconade County Owensville	Herma	unn was blown	off and dam	naged a nearby h	ouse. In Owens	sville, tre		Thunderstorm Wind (G51) f of the Knights of Columbus Hall in ister and Buschmann Parks. The roo
Audrain County								
15 NW Mexico	27 Trees	1625CST were blown do	wn alone R	oute 151,	0	0		Thunderstorm Wind (G50)
Monroe County	27	1/25/097			0	0		
Monroe City				ved a car wash, c ons Park was als		0 ge and tl	he roofs of several host	<b>Thunderstorm Wind (G51)</b> mes. Trees and power lines were als
Audrain County								
Farber	27 Thund	1640CST lerstorm wind g	gusts broke	some windows.	0	0		Thunderstorm Wind (G50)
Montgomery County								
Bellflower	27 Wind	1643CST gusts from a lin	ne of thunde	erstorms downed	0 trees in the Be	0 llflower	area.	Thunderstorm Wind (G51)
Lewis County								
Canton	27 Thund destro		gusts broke	some windows	0 and downed a	0 few tree	es in Canton. A few s	Thunderstorm Wind (G50) torage sheds west of town were als
Franklin County		5						
12 W Union	27 Wind	1650CST gusts from a lin	ne of thunde	erstorms downed	0 trees across we	0 est Frank	klin County.	Thunderstorm Wind (G51)
Warren County							-	
Warrenton Warren County	27	1650CST			0	0		Thunderstorm Wind (G50)

		Time Local/	Path Length	Path Width	Numbe Persor		Estimated Damage	March 19
Location	Date	Standard	(Miles)	(Yards)		Injured		Character of Storm
MISSOURI, East								
Pike County Bowling Green	<b>27</b> The ro	1705CS1		d by thunderstor	0 m wind gusts.	0		Thunderstorm Wind (G51
St. Charles County Lake St Louis	27	1705CST			0	0		Thunderstorm Wind (G50
St. Charles County O Fallon	27	1720CST	1		0	0		Thunderstorm Wind (G50
St. Charles County St Charles			gusts downed	d trees mainly ad				Thunderstorm Wind (G50 lown down along Highway 37
Lincoln County Troy	<b>27</b> Thund	1723CST lerstorm wind		d some power p	0 oles and lines.	0		Thunderstorm Wind (G52
St. Louis County Chesterfield		<b>1725CST</b> oof of an industone Bridge.		g near Spirit of	<b>0</b> St. Louis Airpo	0 ort was b	blown off. Trees were als	Thunderstorm Wind (G51 to downed along Interstate 64
Jefferson County Hillsboro	<b>27</b> Thund	1725CS1 lerstorm wind		d some trees nea	<b>0</b> ur Hillsboro.	0		Thunderstorm Wind (G50
Scotland County Memphis	30	1842CST			0	0		Hail (0.75)
Monroe County Paris	30	2135CST			0	0		Hail (0.75)
Boone County Hallsville	<b>31</b> A few	1330CST trees and pow		e downed near H	<b>0</b> allsville.	0		Thunderstorm Wind (G50
MISSOURI, Lower		Ĩ						
		E REPORTED						
<u>MISSOURI, Northwe</u> MOZ031>032- 039>040-044-046-054		oll - Charito	n - Saline -	- Howard - Jo	hnson - Coo	per - H	lenry	
0572040-044-040-054	08 13	0000CST 2359CST			0	0		Flood
	Heavy	rain and snow	on March 8	th resulted in mi	nor to moderat	e river fl	looding.	
	South Urich,	Grand River MO						
	Flood Above Crest	Stage Flood Stage		4 ft 3/8 to 3/12 26.7 ft on 3/8				
	Big Cr Blairst	reek town, MO						
	Flood Above Crest	Stage Flood Stage	3	0 ft 3/8 to 3/9 23.2 ft on 3/8				
		nda Creek lton, MO						
	Flood Above Crest	Stage Flood Stage		20 ft 3/8 to 3/9 21.9 ft on 3/9				

Storm Data and Unu	sual Weather Phenomena
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Location	Time Local/ Date Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm	March 1998
MISSOURI, No	orthwest						
	Grand River Sumner, MO						
	Flood Stage Above Flood Stage Crest		26 ft 3/8 to 3/10 30.95 ft on 3/9				
	Brunswick, MO						
	Flood Stage Above Flood Stage Crest		19 ft 3/9 Estimated 19.0 f	ìt			
	Petite Saline Creek Boonville, MO						
	Flood Stage Above Flood Stage Crest		16 ft 3/8 to 3/9 18.81 ft on 3/8				
	Blackwater River Valley City, MO						
	Flood Stage Above Flood Stage Crest		22 ft 3/9 Estimated 27.3	3 ft			
	Blue Lick, MO						
	Flood Stage Above Flood Stage Crest		24 ft 3/8 to 3/13 30.23 ft on 3/	11			
	Lamine River Otterville, MO						
	Flood Stage Above Flood Stage Crest		15 ft 3/8 to 3/9 18.32 ft on 3	3/9			
	Moniteau Creek Fayette, MO						
	Flood Stage Above Flood Stage Crest		16 ft 3/8 to 3/9 16.2 on 3/8				

#### MOZ023-032-044-046- Livingston - Chariton - Johnson - Cooper - Henry 054 15 0000CST 0

23 2359CST Minor to moderate riv	er flooding occurred during the middle of Ma	rch.
South Grand River Urich, MO		
Flood Stage	24 ft	

0

Flood

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Numbe Persc Killed		Estimated Damage Property Crops	Character of Storm	March 1998
MISSOURI, Northwe	est			(1.1.1.)		<b>J</b>			
		e Flood Stage		5.4 ft on 3/17					
	Big C Blairs	freek stown, MO							
		l Stage e Flood Stage		: 17 to 3/18 (stimated 23.0 ft	on 3/17				
		l River cothe, MO							
		l Stage e Flood Stage		ft 5/17 to 3/20 9.71 ft on 3/18					
	Sumn	er, MO							
		l Stage e Flood Stage	2	26 ft 3/18 to 3/23 34.87 ft on 3/1	9				
	Bruns	swick, MO							
		l Stage e Flood Stage		19 ft 3/19 to 3/22 21.45 ft on 3/	20				
		Saline Creek ville, MO							
		l Stage e Flood Stage		ft 3/17 to 3/20 18.1 ft on 3/18					
		water River y City, MO							
		l Stage e Flood Stage		ft 5.0 ft on 3/7					
	Blue	Lick, MO							
		l Stage e Flood Stage		ft 3/17 to 3/21 25.61 ft on 3/20					
MOZ001>002-014- 020-023-031>032- 037>040-044-046-054		ison - Nodaw ard - Johnsor			- Livingsto	on - Car	roll - Chariton - J	lackson - Lafayet	te - Saline -
	28 31	0000CST 2359CST			0	0		Flood	
			er flooding o	occured at the er	nd of March a	s a result	of heavy rains during	g thunderstorms.	
		a Grand River , MO							

Flood Stage

24 ft

Location	Time Local/ Date Standard	Path Path Length Width	Number of Persons	Estimated Damage	Character of Storm	March 199
MISSOURI, No	Staldard	(Miles) (Yards)	Killed Injured	Property Crops	Character of Storm	
MI5500KI, IN	Above Flood Stage Crest	3/28 to3/31 27.2 ft on 3/31				
	Big Creek Blairstown, MO					
	Flood Stage Above Flood Stage Crest	20 ft 3/31 23.75				
	Wakenda Creek Carrollton, MO					
	Flood Stage Above Flood Stage Crest	20 ft 3/31 22.5 ft on 4/1				
	Platte River Agency, MO					
	Flood Stage Above Flood Stage Crest	20 ft 3/30 to 3/31 24.91 ft on 3/31				
	Grand River Gallatin, MO					
	Flood Stage Above Flood Stage Crest	26 ft 3/31 27.5 ft				
	Chillicothe, MO					
	Flood Stage Above Flood Stage Crest	24ft 3/31 31.3 ft				
	Sumner, MO					
	Flood Stage Above Flood Stage Crest	26 ft 3/31 35.97 ft				
	Brunswick, MO					
	Flood Stage Above Flood Stage Crest	19 ft 3/31 24.95 ft				
	Tarkio River Fairfax, MO					
	Flood Stage Above Flood Stage Crest	17 ft 3/30 to 3/31 23.1 ft on 3/30				
	102 River Maryville, MO					
	Flood Stage Above Flood Stage	14 ft 3/30 to 3/31				

Location	Time Local/ Date Standard	Path Path Length Width (Miles) (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm	March 1998
MISSOURI, No			5			
	Crest	14.8 ft on 3/30				
	Petite Saline Creek Boonville, MO					
	Flood Stage Above Flood Stage Crest	16 ft 3/31 20.57 ft				
	Blackwater River Valley City, MO					
	Flood Stage Above Flood Stage Crest	22 ft 3/31 Estimated 27.0 ft				
	Blue Lick, MO					
	Flood Stage Above Flood Stage Crest	24 ft 3/31 29.98 ft				
	Lamine River Otterville, MO					
	Flood Stage Above Flood Stage Crest	15 ft 3/31 18.56 ft				
	Moniteu Creek Fayette, MO					
	Flood Stage Above Flood Stage Crest	16 ft 3/31 20.5 ft				
	Chariton River Praire Hill, MO					
	Flood Stage Above Flood Stage Crest	15 ft 3/31 16.79 ft				
	Missouri River St. Joseph, MO					
	Flood Stage Above Flood Stage Crest	17 ft 3/30 to 3/31 20.2 ft on 3/31				
	Atchison, MO					
	Flood Stage Above Flood Stage Crest	22 ft 3/30 to 3/31 22.6 ft on 3/31				
	Sibley, MO					
	Flood Stage Above Flood Stage	22 ft 3/31				

		Time	Path	Path	Number		Estimated		March 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Person Killed	ıs Injured	Damage Property Cro	ps Character of Storm	
MISSOURI, Northw	vest								
	Crest			24.8 ft					
	Napole	eon, MO							
	Flood S			17.0 ft					
	Above Crest	Flood Stage		3/31 19.87 ft					
	Waver	ly, MO							
	Flood S	Stage		20 ft					
	Above	Flood Stage		3/31					
	Crest			23.52 ft					
	Miami	, MO							
	Flood S			18 ft					
	Crest	Flood Stage		3/31 NA					
	Glasgo	ow, MO							
	Flood S	Stage		25 ft					
	Above Crest	Flood Stage		3/31 28.2 ft					
		ille, MO		20.2 ft					
				24.0					
	Flood S Above	Stage Flood Stage		21 ft 3/31					
	Crest	-		26.76 ft					
Nodaway County									
Maryville	30 A seve	1140CST ere weather spo		l dime-size hail	0 during a severe	0 thunderste	orm in Maryville	Hail (0.75)	
Platte County		-	-		-		·		
Platte City	<b>30</b> The Pl	1440CST latte County Sh		reported golfb	0 all-size hail duri	0 ing a sever	e thunderstorm i	Hail (1.75) in Platte City.	
Cooper County Boonville	31	1243CST			0	0		Thunderstor	m Wind (G64)
Doonvine	The C	1245CST ooper County	Sheriff's offi		ind gust to 64 N		onville. On the	west side of Boonville,	
MISSOURI, Southe		ter was blown	down resulti	ng in a blocked	roadway.				
Butler County									
Poplar Bluff	17	1835CST 2000CST			0	0	5K	Urban/Sml S	tream Fld
	Heavy			riod produced of	over 2 inches of	rain. High	way PP near Pop	plar Bluff was closed b	y flooding.
Bollinger County					-	~			
Zalma	17	1835CST 2000CST			0	0		Urban/Sml S	tream Fld
	•	rains over a 3		riod produced 2	2 inches of rain	on average	e. Some county r	oads were blocked by	water.
MOZ087	Cape 20	Girardeau 0700CST			0	0		Flood	

The Mississippi River crested at 36.4 feet at Cape Girardeau, where flood stage is 32 feet. This resulted in minor flooding of agricultural bottomlands and river access roads.

		Time Local/	Path Length	Path Width	Number Person		Estimated Damage	March 1998
Location	Date	Standard	(Miles)	(Yards)		Injured	Property Crops	Character of Storm
MISSOURI, Southeas	<u>st</u>							
MOZ100	Wayne	e						
	20 21	1200CST 0900CST			0	0		Flood
			crested at 1	7.8 feet at Patter	son, which is a	bove the	16-foot flood stage.	This resulted in minor flooding.
MOZ076	Perry							
	26	1000CST 1500CST			0	0	5K	High Wind (G50)
	County,	outh winds av where shingl	es were blov		0 0			IPH north of Cape Girardeau in Perry e interaction of low pressure over th
Stoddard County								
3 S Asherville	27	1933CST			0	0		Thunderstorm Wind (G56)
Come Cimenda ou	Thunde	erstorm winds	gusted to 65	MPH. The gust	was estimated	by a trai	ned spotter.	
Cape Girardeau County								
Cape Girardeau	27	2000CST			0	0	3K	Thunderstorm Wind (G50)
-	Thunde	rstorm winds	blew down s	several trees in C	Cape Girardeau			
Ripley County	27	2017/007			٥	0	1017	H (2.75)
5 N Doniphan to 2 N Doniphan	27	2017CST 2025CST			0	0	10K	Hail (2.75)
-	Highwa	e thunderstori	n cell over F	Cipley County pr	oduced large h	ail. Hail 1	the size of baseballs of	occurred 2 miles north of Doniphan of
AISSOURI, Southwe	<u>est</u>							
Ozark County	08	0400CST			0	0	0	Flash Flood
Rockbridge	00	0400CS1 0700CST			U	U	U	Flash Flood
				ain fell during the lived due to reco			ig low water crossing	s along Highway 95, 4 miles south o
Howell County	17	1100CST			0	0	0	Flash Flood
Countywide	17	2200CST			U	U	U	Flash Flood
				r the county rest rom late mornin			nerous low water cro	ssings and county roads. Highway J
Ozark County	17	1200007			٥	0	0	
Mammoth	17	1300CST 1500CST			0	U	0	Flash Flood
	Heavy		ooding alon	g Highway T ne	ar Mammoth.			
Texas County		1.500.000			<u>^</u>		<u>^</u>	
Countywide	17	1502CST 1700CST			0	0	0	Flash Flood
Countywide								
County white	One to		rain resulted	l in flooding of	several low wa	ter crossi	ings in the county. N	lost of the flooding was concentrated
Countywhite				l in flooding of	several low wa	ter crossi	ings in the county. M	fost of the flooding was concentrated
Miller County	around	two inches of the town of S		l in flooding of				-
		two inches of the town of S 1615CST		l in flooding of	several low wa	tter crossi	ings in the county. M	fost of the flooding was concentrate
Miller County	around 17 Over ar	two inches of the town of S 1615CST 2200CST n inch of rain ty 52 north ar	uccess. fell during th	e afternoon cau	<b>0</b> sing flooding o	<b>0</b> of several	0 low water crossings.	
Miller County Countywide Maries County	around 17 Over ar Highwa evening	two inches of the town of S 1615CST 2200CST n inch of rain ty 52 north ar g.	uccess. fell during th	e afternoon cau	0 sing flooding o nost impacted.	<b>0</b> of several Highwa	0 low water crossings. y 52, 2 miles east of	Flash Flood County roads along Highway 17 an St. Elizabeth, was closed during th
Miller County Countywide	around <b>17</b> Over ar Highwa	two inches of the town of S 1615CST 2200CST n inch of rain ty 52 north ar 3. 2045CST	uccess. fell during th	e afternoon cau	<b>0</b> sing flooding o	<b>0</b> of several	0 low water crossings.	Flash Flood County roads along Highway 17 an
Miller County Countywide Maries County	around 17 Over ar Highwa evening 17	two inches of the town of S 1615CST 2200CST in inch of rain ay 52 north ar 52 2045CST 2200CST	uccess. fell during th d east of Tu	e afternoon cau	0 sing flooding o nost impacted. 0	0 of several Highwa 0	0 low water crossings. y 52, 2 miles east of	Flash Flood County roads along Highway 17 an St. Elizabeth, was closed during th
Miller County Countywide Maries County	around 17 Over ar Highwa evening 17	two inches of the town of S 1615CST 2200CST in inch of rain ay 52 north ar 52 2045CST 2200CST	uccess. fell during th d east of Tu	e afternoon cau scumbia were r	0 sing flooding o nost impacted. 0	0 of several Highwa 0	0 low water crossings. y 52, 2 miles east of	Flash Flood County roads along Highway 17 an St. Elizabeth, was closed during th
Miller County Countywide Maries County 3 E Brinktown	around 17 Over ar Highwa evening 17	two inches of the town of S 1615CST 2200CST in inch of rain ay 52 north ar 52 2045CST 2200CST	uccess. fell during th d east of Tu	e afternoon cau scumbia were r	0 sing flooding o nost impacted. 0	0 of several Highwa 0	0 low water crossings. y 52, 2 miles east of	Flash Flood County roads along Highway 17 an St. Elizabeth, was closed during th

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	S	torm I	Data a	nd Unu	sual W	eath	er Phenor	nena	
		Time	Path	Path	Number		Estimated		March 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persor Killed	1s Injured	Damage Property Crops	Character of Storm	
MISSOURI, Southy	<u>west</u>								
Pulaski County									
2 W Crocker	18	0100CST 0700CST			0	0	0	Flash Flood	
	Heavy			g Tavern Creek,	closing section	s of Higł	nway U.		
<b>Barry County</b>									
Countywide	19 20	1000CST 1200CST			0	0	0	Flash Flood	
	Heav	y rain falling o	on saturated	ground resulted vell for more that	-	flooding	of low water crossin	ngs and low lying are	eas. Route C wa
Howell County	10	1000 000			<u>^</u>	0	<u>^</u>		
Countywide	19 20	1000CST 1200CST			0	0	0	Flash Flood	
	Heavy	rain falling o	n saturated g	round resulted i inton and section			roads in the county. of West Plains.	Among those report	ed closed includ
Ozark County	10	1000000			0	0	<u>^</u>		
Countywide	19 20	1000CST 1200CST			0	0	0	Flash Flood	
	Heavy	rain falling of ighway 95 bet	n saturated g				water crossings in th 24 hours. Low water		
Wright County	19	1100/067	,		0	0	0	Elssle Elssa	
Countywide	20 Heavy		on saturated	ground resulted	l in flooding o		0 ous low water crossi	Flash Flood	Parts of Route
Douglas County		-							
Countywide	19 20 Heavy	1130CST 1200CST rain falling or		round resulted i	<b>0</b> n widespread fl	0 ooding o	0 of low water crossings	Flash Flood	of Route FF an
				luring this perio		oouing o	i low water crossing.	, in the county. Turts	of Route EE u
Newton County									
Countywide	19	1130CST 2300CST			0	0	0	Flash Flood	
			n saturated g		in flooding of l	ow wate	r crossings along Sho	oal Creek between N	eosho and Joplir
Polk County									
Countywide	19 20	1130CST 1000CST			0	0	0	Flash Flood	
				round resulted in	n flooding of nu	imerous	low water crossings in	n the county.	
Mcdonald County									
Countywide	19 20	1245CST 0800CST			0	0	0	Flash Flood	
	Heavy	rain falling o	n saturated g	ground resulted town of Ginger	U		us low water crossing agan.	gs in the county. Flo	ooding closed th
Stone County	10	1220.007			0	•	0		
Countywide	19	1320CST 2300CST			0	0	0	Flash Flood	
	Heavy			round resulted in	n flooding of nu	imerous	low water crossings, o	especially between G	alena and Crane.
Jasper County	10	1000 000			<u>^</u>	0	<u>^</u>		
Countywide			n saturated g			0 numerou	0 is roads along Center	Flash Flood r Creek between Car	thage and Joplir
Lawrence County	Severa	a roaus were a	iso nooded I	n the city of Jop	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
Countywide	19	1330CST 2100CST			0	0	0	Flash Flood	
	•	rain falling or and Verona	-		n flooding of nu	imerous	low water crossings in	n the county. Some I	Farm Roads in th

Heavy rain falling on saturated ground resulted in flooding of numerous low water crossings in the county. Some Farm Roads in the Aurora and Verona area were closed.

		Time Local/	Path Length	Path Width	Numbe Perso		Estimated Damage	March 1998
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property Crops	Character of Storm
MISSOURI, Southy	vest							
Christian County								
Countywide	19	1400CST			0	0	0	Flash Flood
	Heavy	<b>2200CST</b> rain falling or	n saturated g	round caused fl	ooding of num	nerous cre	eeks and low water c	rossings in the county. Tracker Road
				was closed dur				
Greene County								
Countywide	19 20	1400CST			0	0	0	Flash Flood
	20 Heavy	<b>1400CST</b> rain falling or	n saturated g	round resulted	in flooding of	numerou	s low water crossing	s and creeks. Numerous Farm Road
	along	the James Rive	er were close	ed and a section	n of Highway			en Willard and Glidewell was closed
	Floodi	ing also occurre	ed on some S	pringfield city s	streets.			
Laclede County	10	1420.000			0	0	0	
Countywide	19	1430CST 2300CST			0	0	0	Flash Flood
	Heavy		saturated gr	ound resulted ir	n flooding of n	umerous	low water crossings.	Highways reported closed during thi
				en Lebanon an	d Competition	, Highwa	y HH at the Orla Br	idge along the Osage Fork River, an
	Highw	ay FF near Ric	chland.					
Dallas County Countywide	19	1500CST			0	0	0	Flash Flood
County white		2200CST						
						erous low	water crossings in th	ne county. Highway P, 5miles north of
	Long	Lane, was close	ed during the	afternoon and e	evening.			
Pulaski County Countywide	19	1500CST			0	0	0	Flash Flood
Countywhee	20	1500CST			U	U	v	Flash Flood
	Heavy	rain resulted in	n flooding of	numerous low	water crossing	s in the c	ounty. Highway 133	near Richland was closed.
Taney County	10	1			<u>^</u>	0	<u>^</u>	
Countywide	19	1500CST 2300CST			0	0	0	Flash Flood
	Heavy		saturated gr	ound caused flo	oding of nume	rous low	water crossings in th	e county.
Texas County								
Countywide	19	1500CST			0	0	0	Flash Flood
	<b>20</b> Heavy	1000CST rain falling on	saturated gr	ound resulted in	flooding of n	umerous	low water crossings i	n the county. Route U was closed eas
	of Cat	-	U		e		U	2
Webster County								
Countywide	19 20	1500CST			0	0	0	Flash Flood
	20 Heavy	<b>1000CST</b> rain falling or	saturated g	ound resulted in	n flooding of r	umerous	low water crossings	in the county. Highway Y was close
	•	-	-		-			Pomme De Terre River.
Shannon County								
5 NE Winona	19	1545CST			0	0	0	Flash Flood
	Heavy	1730CST rain caused flo	oding of Hig	ghway H along	Rocky Creek.			
Oregon County			6		•			
Countywide	19	1650CST			0	0	0	Flash Flood
	Церия	2300CST	coturated a	ound resulted in	n flooding of r	umarous	low water crossings	in the county. County roads along th
	-	U	U	the Riverton a	Ų	lumerous	low water crossings	in the county. County toads along th
Dent County								
Countywide	19	1700CST			0	0	0	Flash Flood
	20 Hoove	1400CST	conturated a	round resulted i	n widoenrood	flooding	of low water grossin	gs and creeks in the county. Floodin
								Parts of Route T in the Sligo area an
				ed during this p	10			
Hickory County				- *				
Countywide	19	1700CST			0	0	0	Flash Flood
	Heavy	<b>2200CST</b> rain falling or	saturated or	round resulted i	n flooding of I	ow water	crossings in the cou	nty. Highway D between Preston an
							re closed during this p	

Landian	Dete	Time Local/	Path Length	Path Width	Numb Pers		Estimated Damage	March 1998
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property Crop	os Character of Storm
MISSOURI, Southy	vest							
Maries County								
Countywide	19	1700CST			0	0	0	Flash Flood
·		2300CST						
	Heavy	rain falling or	n saturated gr	ound caused flo	ooding along I	Highway I	A at the Maries Riv	er, 3 miles east of Brinktown.
Miller County								
Countywide	19	1700CST			0	0	0	Flash Flood
	20 Heavy	1400CST		round resulted	in flooding o	f numerou	e low water crossi	ngs in the county. Highway 52, 2 mile
				for nearly 24 ho		or numerou	is low water crossi	ligs in the county. Fighway 52, 2 mill
Phelps County	cust of	i St. Elizabetii,	was closed i	or nearry 24 no	urs.			
Countywide	19	1700CST	•		0	0	0	Flash Flood
Countywide	20	1000CST			U	U	v	Flash Floou
				ground resulted	in flooding o	of numeror	is low water cross	ings in the county. Highway Y, 5 mile
	north	of Rolla, and I	Highway T, j	ust north of Fla	t, were closed	d. Parts of	Route C between	Newburg and the Gasconade River wer
	also cl	losed.						
Benton County								
Countywide	19	1800CST			0	0	0	Flash Flood
		2350CST				fl	61	there also the accorden
	Heavy	rain failing of	n saturated gr	round resulted in	n widespread	nooding o	1 low water crossin	gs throughout the county.
Morgan County	10	1000007			0	0	0	
Countywide	19	1800CST 2300CST			0	0	0	Flash Flood
	Heavy			ound resulted in	n flooding alo	ng Highw	av 135 in the Flore	nce and Pyrmont area.
Camden County	neavy	rum runnig of	i suturuted 51	ound resulted in	i nooung uio	115 1115111	ay 155 in the Flore	lice and i yilliont area.
Countywide	20	0030CST	•		0	0	0	Flash Flood
Countywhee	-0	1400CST			Ū	Ū	Ŭ	i iashi i tobu
	Heavy	rain falling o	on saturated	ground resulted	in flooding	of numero	ous low water cross	sings in the county. Route U along th
	Niang	ua River, 3 mi	les west of C	amdenton, was	closed during	g the morn	ing and early aftern	loon.
MOZ070	Pulas	ki						
	26	1130CST			0	0	2K	High Wind
	Wind	1200CST		1		4 1 D1- !		f - f - harring in Dishland
	wind	gusts to 50 mp	in anead of a	low pressure sy	stem in the co	entral Plai	its blew thes off a f	oof of a business in Richland.
MOZ088	Jaspe	r						
	27	1000CST			0	0	2K	High Wind
	South	winds ahead	of a low pres	ssure system gu	sted to 50 mp	ph downin	g power lines and	knocking over small trees in the city o
	Joplin							
Greene County								
Springfield	27	1402CST			0	0	0	Thunderstorm Wind (G60)
Greene County								
Walnut Grove	27	1403CST			0	0	1K	Thunderstorm Wind
	Thund	lerstorm winds	s downed sev	eral trees.				
Christian County			_					
Spokane	27 Thur d	1412CST			0	0	1K	Thunderstorm Wind
<b>—</b>	Inund	lerstorm winds	s downed pov	ver lines.				
Taney County	25	1410.007	•		•	•	0.017	
Hollister to 5 S Forsyth	27	1419CST 1425CST			0	0	90K	Thunderstorm Wind (G61)
5 S FOISyth	A win			orted by spotter	rs in Hollister	• at 1419 (	ST. Numerous tre	ees were reported down in Hollister are
								urst winds hit the K-Boat Dock, locate
								poats and broke part of the boat dock o
	-	he main dock.		5			-	*
Dallas County								
8 N Buffalo	27	1435CST			0	0	0	Thunderstorm Wind (G55)
	Repor	ted at the junc	tion of Highv	vays 73 and 64.				

**27 1435CST** Reported at the junction of Highways 73 and 64.

nte s n lickel h n eportec	Local/ Standard 1440CS' ail was also 1450CS' I near the ju	reported.	Width (Yards)	Person Killed	is Injured 0	Damage Property Crops	Character of Storm
lickel h r eportec	ail was also 1450CS	reported.		0	0	0	
lickel h r eportec	ail was also 1450CS	reported.		0	0	0	<b></b>
eported						0	Thunderstorm Wind (G63)
		inction of fing	ghways AA and	<b>0</b> 64.	0	0	Thunderstorm Wind (G52)
arge tre	1459CS e was dow		way D near Tho	0 rnfield.	0	0	Thunderstorm Wind
n hunder:			ge trees.	0	0	1K	Thunderstorm Wind
7 hunders			ver lines along A	<b>0</b> AB Highway.	0	2K	Thunderstorm Wind
7	1514CS'	Г	C	0	0 ommuni	<b>2K</b> ties.	Thunderstorm Wind
,	1515CS'	Г		0	0	0	Thunderstorm Wind
7 hunder:			roofing off a ho	<b>0</b> me.	0	2K	Thunderstorm Wind
7	1540CS	Г		0	0	0	Thunderstorm Wind (G52)
	storms win	ds blew over				<b>30K</b> near Vichy. A teena	Thunderstorm Wind age girl inside suffered minor injuries.
,	1615CS	Г	-	0	0	0	Thunderstorm Wind
	storm wind	ls downed tro		<b>0</b> s, and signs all	0 over th	<b>3K</b> e county. Two cars	Thunderstorm Wind were shoved into the median along
)	2030CS	Г	-	0	0	0	Thunderstorm Wind
					roadwa	ter / Jefferson / M	leagher / Central And
ł	0200MS 2200MS	T T	- Ganaun / Iv	adison 0	0		Heavy Snow
	Glacier 0000MS	/ Eastern P T	ondera / Tool	le / Liberty 0	0		Heavy Snow
ocky I 7	Mountain 0000MS	Front - Ea T	stern Glacier	r / Eastern Po 0	ondera 0	/ Toole / Liberty -	Gallatin / Madison Heavy Snow
-	/ Judith I n / Madis 0000MS	Basin - Broa on T	adwater / Jef	ferson / Meag 0	gher / C 0	Central And South	ern Lewis And Clark - Heavy Snow
	hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunders hunder	hunderstorm wind y 1510CS' hunderstorm wind y 1514CS' hunderstorm wind y 1515CS' hunderstorm wind y 1530CS' hunderstorm wind y 1540CS' y 1613CS' hunderstorms win IH ASOS site nea y 1615CS' hunderstorm wind y 1615CS' hunderstorm wind	hunderstorm winds downed larg <b>1510CST</b> hunderstorm winds downed power <b>1514CST</b> hunderstorm wind downed trees <b>1515CST</b> hunderstorm winds downed larg <b>1530CST</b> hunderstorm winds blew some is <b>1540CST</b> <b>1613CST</b> hunderstorms winds blew over <b>1615CST</b> hunderstorm winds downed sev <b>1615CST</b> hunderstorm winds downed sev <b>1615CST</b> <b>1600MST</b> <b>1800MST</b> <b>1800MST</b> <b>1800MST</b> <b>1800MST</b> <b>1800MST</b> <b>1800MST</b> <b>1800MST</b> <b>1800MST</b> <b>1800MST</b> <b>1800MST</b> <b>1800MST</b> <b>1800MST</b> <b>1800MST</b> <b>1800MST</b> <b>1800MST</b> <b>1800MST</b> <b>1800MST</b> <b>1800MST</b> <b>1800MST</b> <b>1800MST</b> <b>1800MST</b> <b>1800MST</b> <b>1800MST</b> <b>1800MST</b> <b>1800MST</b> <b>1800MST</b> <b>1800MST</b>	hunderstorm winds downed large trees. <b>1510CST</b> hunderstorm winds downed power lines along . <b>1514CST</b> hunderstorm wind downed trees in Lebanon an <b>1515CST</b> hunderstorm winds downed large tree limbs an <b>1530CST</b> hunderstorm winds blew some roofing off a ho <b>1540CST</b> <b>1613CST</b> hunderstorms winds blew over a mobile home. If ASOS site nearby reported a wind gust to 6 <b>1615CST</b> hunderstorm winds downed several trees. <b>1615CST</b> hunderstorm winds downed trees, power line tterstate 44 near Rolla because of high winds. <b>2030CST</b> hunderstorm winds downed several trees. <b>0</b> <b>2030CST</b> hunderstorm winds downed several trees. <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1615CST</b> <b>1</b>	hunderstorm winds downed large trees. <b>1510CST 0</b> hunderstorm winds downed power lines along AB Highway. <b>1514CST 0</b> hunderstorm wind downed trees in Lebanon and surrounding c <b>1515CST 0</b> hunderstorm winds downed large tree limbs and blew small sig <b>1530CST 0</b> hunderstorm winds blew some roofing off a home. <b>1540CST 0</b> <b>1613CST 0</b> hunderstorms winds blew over a mobile home along County F IH ASOS site nearby reported a wind gust to 68 knots at 1609 <b>1615CST 0</b> hunderstorm winds downed several trees. <b>1615CST 0</b> hunderstorm winds downed trees, power lines, and signs all terstate 44 near Rolla because of high winds. <b>2030CST 0</b> hunderstorm winds downed several trees. <b>1615CST 0</b> hunderstorm winds downed several trees. <b>0</b> <b>1600MST 0</b> <b>1800MST 0</b> <b></b>	hunderstorm winds downed large trees. <b>1510CST 0 0</b> hunderstorm winds downed power lines along AB Highway. <b>1514CST 0 0</b> hunderstorm wind downed trees in Lebanon and surrounding communi <b>1515CST 0 0</b> hunderstorm winds downed large tree limbs and blew small signs down <b>1530CST 0 0</b> hunderstorm winds blew some roofing off a home. <b>1540CST 0 1</b> hunderstorms winds blew over a mobile home along County Road 452 IH ASOS site nearby reported a wind gust to 68 knots at 1609 CST. <b>1613CST 0 0</b> hunderstorm winds downed several trees. <b>1615CST 0 0</b> hunderstorm winds downed trees, power lines, and signs all over th trestate 44 near Rolla because of high winds. <b>0 2030CST 0 0</b> hunderstorm winds downed several trees. <b>0 0</b> hunderstorm winds downed several trees. <b>0 0</b> hunderstorm winds downed several trees. <b>0 0</b> hunderstorm winds downed rees, power lines, and signs all over th trestate 44 near Rolla because of high winds. <b>0 0 0</b> hunderstorm winds downed several trees. <b>0 0 0</b> hunderstorm winds downed several trees. <b>0 0 0</b> hunderstorm winds downed several trees. <b>0 0 0</b> <b>1800MST 0 0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b> <b>0</b>	hunderstorm winds downed large trees. <b>1510CST 0 0 2K</b> hunderstorm winds downed power lines along AB Highway. <b>1514CST 0 0 2K</b> hunderstorm wind downed trees in Lebanon and surrounding communities. <b>1515CST 0 0 0</b> hunderstorm winds downed large tree limbs and blew small signs down. <b>1530CST 0 0 2K</b> hunderstorm winds blew some roofing off a home. <b>1530CST 0 0 2K</b> hunderstorm winds blew some roofing off a home. <b>1540CST 0 0 2K</b> hunderstorm winds blew some roofing off a home. <b>1540CST 0 1 30K</b> hunderstorms winds blew over a mobile home along County Road 452 near Vichy. A teena IH ASOS site nearby reported a wind gust to 68 knots at 1609 CST. <b>1615CST 0 0 3K</b> hunderstorm winds downed several trees. <b>1615CST 0 0 3K</b> hunderstorm winds downed trees, power lines, and signs all over the county. Two cars terstate 44 near Rolla because of high winds. <b>20 2030CST 0 0 0</b> hunderstorm winds downed several trees. <b>20 2030CST 0 0 3</b> hunderstorm winds downed several trees. <b>20 2030CST 0 0 3</b> hunderstorm winds downed several trees. <b>20 3</b> <b>3</b> <b>4 20 3</b> <b>5 10 1 3</b> <b>10 1 10 1 10 11 10 11 10 11 10 11 11</b>

		Time Local/	Path Length	Path Width	Number Person		Estimated Damage	March 1	998
Location	Date	Standard	(Miles)	(Yards)		njured	Property Crops	Character of Storm	
MONTANA, East									
MTZ016>017- 021>023-025>027	Philli	ps - Valley	- Petroleum	ı - Garfield -	Mccone - Dav	wson - l	Prairie - Wibaux		
	09 10	0200MS 1000MS			0	0		Winter Storm	
MTZ017>020-024	Valley 23	y - Daniels 0100MS 0930MS	ST	- Roosevelt - ]	Richland 0	0		Heavy Snow	
MONTANA, South									
MTZ028-034>035	Whea 03 04	tland - Stil 1700MS 1700MS		llowstone	0	0		Heavy Snow	
	March The for downto	3. As this s ollowing are own. Lockwo lwater Count	system tracked snow depth t bod 12 inches.	l slowly across otals from the . Laurel 8 inche	Wyoming over storm. In Yell s. In Big Horn	night sor owstone County	ne heavy snow fell o CountyBillings 7 .Hardin 8 inches. In 6	vestern Wyoming on the afternov ver parts of South Central Mon inches at the airport and 10 in Carbon CountyRed Lodge 5 inc In Wheatland CountyShawn	tana ches ches
MTZ028>037	Whea Carte		sselshell - T	reasure - Ro	sebud - Custe	er - Fall	lon - Stillwater - Y	ellowstone - Powder River	-
	28 29	1000MS 1900MS			0	1		Heavy Snow	
<u>MONTANA, West</u> MTZ002>003	storm a several for min	and Red Lod l roads had to nor injuries.	ge picked up 8 be closed. A	8 to 10 inches.	Traffic was bro on I-90 near Ha	ught to a	near standstill in Bil	Billings received 5 inches from lings on the morning of the 29th morning of the 29th, and was tre	, and
	03 04 Ten in	0700MS 0700MS ches of snow	ST ST fell at Big M	ountain Ski Res	0 ort and 13 inch			Heavy Snow now fell at a location 4 miles ea	
					700pm on the 3r on level above S			received four and a half inches.	Also
MTZ001-004>005	Koote 04	enai/Cabino 0300MS	et Region - 1 T			•	oula / Bitterroot V	alleys Heavy Snow	
	hours a	afterward. N	fell at Looko ear Lolo, 7 in	ches of snow w	as reported with	in 12 ho		a, and another 15 inches fell in the 5, also received 7 inches within	
MTZ002	09 10	Glacier Re 0700MS 0700MS	ST ST	Iountain Ski Res	0	0		Heavy Snow	
MTZ006	Bitter 16	root / Sapp 1700MS	ohire Moun		0	0		Heavy Snow	
			received 9 1/				g at 500 pm on the 16 hours ending at 900ar	5th, then another 10 $1/2$ inches for n on the 17th.	or the
MTZ004	18	r Clark Fo 0300MS	ST		0	0		Heavy Snow	
	19 Looko	0300MS ut Pass Ski A		0 inches of sno	w				

		Time	Path	Path	Number	of	Estimated	March 199	
Location	Data	Local/ Standard	Length (Miles)	Width (Yards)	Persor Killed	ıs Injured	Damage Property Crops	Character of Storm	
EBRASKA, Central		Standard	(miles)	(1 ards)	Killed	injurcu	Tiopenty Crops		
NEZ004>010-022>029-	-	an - Cher	rv - Keva P	aha - Bovd -	Brown - Roc	k - Hol	t - Garden - Grant	t - Hooker - Thomas - Blaine -	
035>038-056>059-								ith - Perkins - Lincoln - Chase	
069>071		s - Frontie			٥	•	1 - 17		
	06 08	1000CS' 0600CS'			0	2	15K	Winter Storm	
	10 inche by the sr reported	es in parts of now and blo	f North Centra	al Nebraska. I-8	80 was closed fi	om Oga	ullala to Lincoln due to	al Nebraska with some amounts up ( ) hazardous driving conditions created idents due to icy road conditions wer	
NEZ038	Custer 16	0500CS	Т		0	1	11K	Ice Storm	
	17	1000CS	Т						
				to make a turn		bads. Of	ne of the accidents inv	volved an injury in which a followin	
Keith County				, a tarn					
17 N Ogallala	24	1914MS	т		0	0		Hail (0.75)	
Lincoln County 5 SW North Platte	24	212205	т		0	0		II-:1 (0.75)	
5 Sw North Platte Mcpherson County	24	2133CS	1		U	0		Hail (0.75)	
20 NW Tryon	24	2330CS	Т		0	0		Hail (0.75)	
Chase County									
4 NE Imperial	26	1850MS	T		0	0		Hail (0.75)	
Lincoln County Maxwell	26	2045CS	Т		0	0		Hail (0.75)	
Custer County			-		-	-		()	
1 N Callaway	26	2125CS	Т		0	0		Hail (1.00)	
Custer County 6 W Broken Bow	26	2145CS	т		0	0		Hojl (1.00)	
Loup County	20	214303	1		0	U		Hail (1.00)	
15 W Taylor	26	2215CS			0	0	16K	Lightning	
	Lightnir	ng struck an	d killed 20 he	ad of cattle.					
Loup County 4 WNW Taylor	26	2220CS	т		0	0		Hail (0.75)	
Loup County	20		•		Ŭ	Ū		Hun (0.75)	
4 ESE Taylor to	26	2240CS			0	0	20K	Thunderstorm Wind	
6 E Taylor	2245CST Downburst thunderstorm winds caused damage to a couple of farmsteads. A trailer home sustained damage as well as livestock and								
				U	w head of cattle			C	
Custer County	26	211005	т		٥	1	417		
9 WSW Callaway	26 Heavy t	2110CS' thunderstorn		out a culvert i	0 n the road. An	1 injury a	4K accident occurred whe	Flash Flood on a vehicle drove into the washed of	
	area of	the road.							
Garden County	20	1720146	۰ <b>T</b>		0	0		H-:1 (2 00)	
11 SW Oshkosh to Oshkosh	28	1730MS	01		U	0		Hail (2.00)	
Garden County									
1 N Lewellen	28	1812MS	Т		0	0		Hail (1.00)	
Arthur County 13 SW Arthur	28	1840MS	T		0	0		Hail (0.75)	
Arthur County			-		-	-			
8 E Arthur	28	1935MS	т		0	0		Hail (0.75)	
Sheridan County 15 NNE Ellsworth	28	1050140	T		0	Δ		Hoil (075)	
15 NNE Ellsworth Hooker County	28	1958MS	1		U	0		Hail (0.75)	
20 S Mullen	28	2010MS	т		0	0		Hail (0.75)	
Hooker County									
	28	2025MS			0	0		Hail (1.00)	

	-						<b>P</b> 2 - 1		March 1000
Y	Dete	Time Local/	Path Length	Path Width	Number Persor		Estimated Damage		March 1998
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property Crops	Character of Storm	
NEBRASKA, Central									
Mcpherson County Flats	28	2035CST			0	0		Hail (1.50)	
Thomas County 20 S Seneca	28	2135CST			0	0		Hail (0.75)	
Cherry County 10 SW Cody	28	2215MST			0	0		Hail (0.75)	
Thomas County 7 N Halsey	28	2233CST			0	0		Hail (0.75)	
Blaine County 5 SSE Purdum	28	2243CST			0	0		Hail (1.00)	
Brown County 31 S Johnstown	28	2255CST			0	0		Hail (1.00)	
Brown County 27 S Ainsworth	28	2315CST			0	0		Hail (2.00)	
Rock County 18 NNE Rose	28	2359CST			0	0		Hail (1.00)	
NEZ004>010-022>029- 035>038-056>059- 069>071	Loup	- Garfield - V					t - Garden - Grant uster - Deuel - Kei	- Hooker - Thon	
009>071	- нау 30	es - Frontier 0800CST			0	0		Winter Storm	
	31 A sprin	2330CST	roduced sn	ow amounts ran	ging from four	to six in	ches over parts of Sou	ithwest Nebraska to	as much as 16 to
	20 incl	nes in the Spenc	er area in I		ebraska. The sr	low and s	strong winds caused s		
<u>NEBRASKA, East</u>									
NEZ015-018-030>034-							urt - Platte - Colfa		
042>045-050>053- 065>068-078-088>093		r - Saunders ha - Pawnee			ward - Lanca	ster - C	Cass - Otoe - Saline	e - Jefferson - Ga	ge - Johnson -
	07 08	1600CST 1500CST	Inchury		0	0	26K	Winter Storm	
	Heavy commo metrop School	snow combine on. The heavie politan area wh	d with stro st snow fe ere 11-16	ng northerly wi ll in an area fro inches of snow	nds of 40-45 m om Gage county fell. Lesser ar	nph creat anorthea nounts o	ear blizzard conditions and considerable blow ast through the south accurred further to the ontinued to cause blow	ing snow with 6-15 and southeast portic e north with 4-6 in	foot snow drifts n of the Omaha ches at Norfolk.
NEZ051>053	16	ders - Dougla 1452CST	s - Sarpy		0	0	23K	Flood	
	additio occurre	n, ice bridging ed on the west	was evider side of the	nt near the conf	luence of the Pl Demolition exp	latte and erts use	highway 77 railroad Elkhorn rivers near V ad dynamite to open r	Vencils Island. Mos	t of the flooding
Colfax County	27	0040CST			0	0		Heil (0.75)	
Rogers Dodge County North Bend								Hail (0.75)	
North Bend Dodge County 2 W Fremont	27 29	0043CST 2204CST			0 0	0 0		Hail (0.75) Hail (1.00)	
<u>NEBRASKA, Extreme</u>					v	0		11an (1.00)	
		E REPORTED.							
NEBRASKA, Extreme			7•11						
NEZ080>081	Hitch 07 08	cock - Red W 1200CST 0000CST	illow		0	0		Winter Storm	
			hes accom	panied by winds	30-40 mph wh	ipped up	drifts 2 to 4 feet.		

		Time	Path	Path	Numb		Estim		March 1998		
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Perso Killed	ons Injured	Dama Property	age Crops	Character of Storm		
NEBRASKA, Extreme	e Soutl	nwest									
Dundy County 23 NW Benkelman	26	1900MS	Т		0	0			Hail (0.75)		
NEBRASKA, South C											
NEZ039>041-046>049- 060>064-072>077- 082>087		er - Phelps ·							čalo - Hall - Hamilton - York - klin - Webster - Nuckolls -		
	07 12	0000CST 1200CST			0	0	100K	0	Winter Storm		
	develop drizzle afterno Paul to	ng, late seaso ped in the sou spread across on and becan o 15 inches at	n winter stor athwest Unite s the region b ne heavy at t Deshler. A	d States and the y the morning o imes with lastin	in slowly move of the 7th leaving through the f snow in exce	ed northea ing an icy night. B	st across the coating on a y midday on	Central I trea roads the 8th,	hches over the weekend. The storm Plains. Widespread freezing rain and the ice changed to snow Saturday amounts ranged from 4 inches at St in to York. Another area of snowfall		
	impass	able in the re	gion, includii		Drifts as hig	h as ten fe	et were repo	orted. Sin	s. Numerous roads were closed or ace there were accurate forecasts with		
	Record	cold followe	d the snow w	ith temperatures	s dropping wel	ll below fo	or three straig	ght morni	ngs beginning on March 9.		
<u>NEBRASKA, West</u> NEZ001>003-019>021- 054>055	Sioux	- Dawes - I	Box Butte -	Scotts Bluff	- Banner - N	Aorrill -	Kimball -	Cheyen	ne		
	06 07	1700MS 1000MS			0	4	49K	0	Winter Storm		
	reporte droppe west of	d across the r d to less than f Lodgepole.	rest of the pa a mile at tin The vehicle r	nhandle. High- nes in Scottsblu olled onto it's to	ways in the ce ff and in Chao op and slid into	entral and dron. A n o a ditch ar	northern pan nan lost cont nd was totalle	handle w rol of his ed. The c	bunty. Up to 7 inches of snow was vere icy and snow packed. Visibility vehicle on icy Interstate 80, 3 miles lriver of the vehicle was not injured. to a ditch while trying to change lane		
	on the	icy Interstate	80. Two pas	sengers suffered	l head injuries				but the driver was not injured.		
							-		-		
				l with a snowpl vplow and 5,000		east of Sid	ney, due to	icy roads	and poor visibilities. The collision		
	the rea		open. The c	lriver was taken					nifed. The jackknifed semi rolled and ger was treated and released form the		
Sioux County 20 SW Agate	28	1530MS 1540MS			0	0	0	0	Hail (1.75)		
	A stor	m produced g	olf ball size h	ail 20 miles SW	of Agate or 5	5 miles NE	E of Henry.				
Cheyenne County 4 N Brownson	28	1558MS 1610MS			0	0	0	0	Hail (0.75)		
Cheyenne County 5 N Sidney	28	1619MS 1625MS			0	0	0	0	Hail (0.75)		
Cheyenne County 6 SE Gurley	28	1620MS 1650MS			0	0	0	0	Hail (1.75)		
	Marble			nd covered the	ground up to 5	inches.					
Cheyenne County 11 NE Sidney	28	1630MS 1640MS			0	0	0	0	Hail (1.75)		

	-		-			-				<b>X</b> 1 1000
	_	Time Local/	Path Length	Path Width	Number Person		Estimate Damage			March 1998
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	
<u>NEBRASKA, West</u>	Golf ba	all size hail fell	11 miles no	ortheast of Sidney	<i>.</i>					
Cheyenne County 8 N Lodgepole to 17.5 N Lodgepole	<b>28</b> Golf ba	1702MST 1707MST all size hail fell	8 miles nor	th of Lodgepole.	0	0	0	0	Hail (1.75)	
Scotts Bluff County 5 NE Minatare	28	1720MST 1730MST			0	0	0	0	Hail (0.75)	
Scotts Bluff County 15 S Morrill	28	1815MST 1830MST			0	0	0	0	Hail (0.75)	
Box Butte County 7 S Alliance	28 Quarte	<b>1834MST</b> <b>1840MST</b> r size hail fell 7	miles sout	h of Alliance.	0	0	0	0	Hail (1.00)	
Box Butte County Alliance	28	1835MST 1847MST			0	0	0	0	Hail (0.75)	
Scotts Bluff County 15 S Morrill	28	2005MST 2027MST			0	0	0	0	Hail (0.75)	
Box Butte County Alliance		maged the adjo							<b>Lightning</b> n the porch were shated that the bigge	
Scotts Bluff County 3 WNW Scottsbluff	28	2020MST 2029MST			0	0	0	0	Hail (0.75)	
Box Butte County 5 NW Alliance	28	2120MST 2126MST			0	0	0	0	Hail (0.75)	
Scotts Bluff County Mitchell	28 A storr	<b>2129MST</b> <b>2136MST</b> n produced 3/4	inch hail w	which covered the	0 ground	0	0	0	Hail (0.75)	
NEVADA, North		- F			8					
NVZ008>009-011>012	<b>06</b> <b>07</b> A stron at 8:00 at Ruth	2000PST 0800PST g winter storm am PST includ	dropped lo ed: 10 inch 1 Valley, E	es at Austin, 8 in Emigrant Pass (20	0 v over parts of ches at Ruby 1	0 Northeas Lake Wil	t and East Ce dlife Refuge a	ntral Ne nd Jigg	reka Heavy Snow evada. 12 hour snow (s, 6 inches at Spring d the Reese River V	Creek, 5 inches
NVZ006>009-011>012	Humb	·			nd South Ce	entral E	lko - Southe	ast Ell	ko - White Pine -	
	9:00 an Lamoil	n PST included le and Ruth, 10	: 14 inches inches at A	at both Eureka a	nd Halleck, 1	2 inches	at Wells and I	Emigrar	Heavy Snow da. 24 hour snowfal nt Pass (20 W of Ell iches at Tuscarora ar	(o), 11 inches at
<u>NEVADA, South</u> NVZ013-019	North 06	ern Nye - Sp 0200PST	ring Mou	Intains	0	0			Heavy Snow	
	inches	of snow fell in	the town o	of Tonopah and e	ight inches fel	l in Man	hattan. In the	Spring	now showers. In cer Mountains of south up 10 inches of snow	ern Nevada, the

		Time Local/	Path Length	Path Width	Number		Estimated Damage	March 1998
Location	Date	Standard	Length (Miles)	(Yards)		ns Injured	Damage Property Crops	Character of Storm
NEVADA, South								
NVZ017	06	1305PS			0 orded near India	0 an Sprin	gs as a vigorous cold	High Wind (G50) front passed.
NVZ019		ig Mountain 1800PS 0600PS	ns Γ		0	0		Heavy Snow
	A fast In the	moving wint	er storm left s					ved across the region during the night w snow and Lee Canyon (8,000 fee
NVZ019	Sprin 25 26	ng Mountain 2200PS 0800PS	Г		0	0		Heavy Snow
	A mo	ist Pacific Sto t Charleston (	orm covered the					In the Spring Mountains, the town of 0 feet) picked up 16-18 inches of new
NVZ019	Sprin 28	ng Mountain 0100PS 1900PS	Г		0	0		Heavy Snow
	Moun	oldest storm tains, both M	of the season ount Charlesto	on (7,000 feet)	and Lee Canyo	n (8,000		nd locally heavy snow. In the Spring of 12 inches of snow. The Las Vega western foothills.
NEVADA, West								
NVZ003	05 06	0640PS 0640PS	Г	<b>Minden Area</b>	0	0		Heavy Snow
NVZ003	Grea 05 06	ter Reno/Ca 0730PS 0730PS	arson City/I Г Г	Minden Area	0	0		Heavy Snow
NVZ003		ter Reno/Ca 1330PS	arson City/Ν Γ	Minden Area		o o steambo	at Springs (10 miles S	S Reno NV) 10 inches. Heavy Snow
		2330PS ur snow fall: t 2200 PST.		Anderson Hill	about 15 miles	s north o	f Reno, NV). A big-	rig truck jack-knifed and blocked U.S
NVZ002	23 24	ter Lake Ta 1130PS 1130PS	Г Г		0	0		Heavy Snow
NN 1700 4				Area at 8800 fe	et 26 inches.			
NVZ004	23	1214PS 1215PS	Г	0	0	0		High Wind (G59)
NT 1700 4		-		gecoach NV. N	lo damage repo	orted.		
NVZ004	23	1214PS 1215PS	Г	-	0	0	25K	High Wind (G60)
NEW HAMPSHIRI				ot house in Fal	Ion NV, causin	g about :	\$25000 of damage. E	stimated peak gust 60 knots.
<u>NHZ013</u>		ior Rocking						
1112/013	12	1230ES 1300ES	Г Г		0	14		Snow Squall
	Windh	am/Derry line	e. The accide		out 12:30 pm v	when the	squall hit, reducing v	40 vehicles) on Interstate 93 near the isabilities to near zero and causing the
NHZ001>003- 007>010-013>014			Southern C oastal Rock		rn Grafton -	Sulliva	nn - Merrimack - I	Selknap - Strafford - Interior
	14	0800ES 1700ES			0	0		Moderate Snowfall

	S	torm l	Data a	nd Unu	sual Wo	eathe	er Phenon	nena
		Time	Path	Path	Number		Estimated	March 19
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Person Killed I	s njured	Damage Property Crops	Character of Storm
NEW HAMPSHIRE,	North	and Cent	<u>al</u>					
NHZ004>006				n Grafton - S	outhern Carr			TT C
	14	0900ES 1700ES			U	0		Heavy Snow
	Elsewl	here in the st	ate, a modera	te snowfall occ		ll amount	s ranged from an i	v to parts of central New Hampsh nch or less in the Connecticut R
NHZ001>010	North	hern Coos -	Southern C	•	rn Grafton - I	•		ern Grafton - Southern
	21 22	1800ES 1800ES			0	0		Heavy Snow
	Low precipi	pressure movi itation in sou	ng slowly no theastern par	ts of the state.	Snowfall amo	ounts range	ed from 6 to 12 ir	ow to much of the state with minches from Merrimack and Sulliv le, if any, snow accumulated.
NHZ001>010-013>014						U		ern Grafton - Southern
	Carro 27	oll - Sulliva 1200ES		ack - Belknap	) - Strafford - 0	Interior 0	Rockingham - (	Coastal Rockingham Record Warmth
	31	1900ES	Г		• 14 - : i i i	-		
	days o the 27	of the month. th (76), 28th	In Concord, ( (86), and 31st	each of the last (89). The high	five days were an temperature of	above 70 a f 89 on the	degrees with daily r	o New Hampshire during the last f record high temperatures being set ford for the month of March. A c st.
Grafton County	20	1 50050			0	0		
Countywide	29 31	1500ES 2359ES			0	0		Flood
Coos County	•	0 < 0 0 50 6	-		0	â		
Countywide	30 31	0600ES 2359ES			0	0		Flood
Carroll County			_					
Countywide	31	1900ES 2359ES			0	0		Flood
								iver flooding on the Connecticut and solve the structure of the second s
NHZ001>005					•		n Carroll - South	
	29	1530ES	Г		0	0		Flood
	31 Record	2359ES d warmth and		elt caused river	s in northern N	ew Hamps	shire to flood from	late March through early April.
					-			evening of the 30th resulted in rec
								ters. The Connecticut reached a c banon of 19.02 feet on the 29th(18
		stage). Additi stage).	ional crests w	ere reached in e	early April. Th	e Saco Ri	ver crested at Conw	vay at 9.54 feet late on the 31st (9
NEW HAMPSHIRE,								
NHZ012		oorough						
	08 09	1900ES 0000ES			0	0		Heavy Rain
NHZ012		borough	-					
	10 13	0700ES 1200ES			0	0		Flood
NU(7011	A pow rainfal River back b 3.10";	verful storm sy ll to New Han at Goffstown pelow flood sta Nashua, 2.72	vstem moving npshire, result reached flood age at noon or	ing in urban str stage of 9 feet	eet flooding, ba at 7 AM on Ma Rainfall totals ge	sement flo urch 10th a	ooding, and some m and crested at 9.1 fe	akes brought strong winds and he inor river flooding. The Piscataqu et at 10:30 AM on the 10th, then range. Some totals included: Ho
NHZ011	Chesl 22	hire 0000ES	Г		0	0		Heavy Snow
	A stron March	<b>1000ES</b> ng early Sprin 21st passing	f g nor'easter w to the south	east of Cape Co	low pressure sys od on March 22	stem whicl 2nd. This	storm brought 3 to	h-northeast from the Virginia coast o 5 inches of snow to southern N of 6 to 8 inches in that area.

		Time	Path	Path	Number		Estimated		March 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Person Killed	1s Injured	Damage Property Crops	Character of Storm	
NEW JERSEY, Nor	theast								
Union County Countywide	08 09	2300EST 0500EST			0	0		Heavy Rain	
Essex County Countywide	08 09	2330EST 0900EST			0	0		Heavy Rain	
Hudson County Countywide	08 09	2330EST 0900EST			0	0		Heavy Rain	
Bergen County Countywide	09	0030EST 0900EST			0	0		Heavy Rain	
	another	ow pressure sys r formed off the	e Southeast		both lows mov		. One low formed o northeast, they intens		
	Some 1	low-lying and p	poor drainag		ng streets were	e flooded	ns that caused urban throughout the area. bove.		
	This sy limbs to	-	luced strong	g wind gusts fro	om 30 to 40 mj	oh that in	combination with th	e heavy rain caused	some small tree
	Rainfal	ll amounts gene	erally ranged	from 1 to 3 inc	hes. Here are	selected 1	ainfall amounts:		
	Raima	e							
		-		was measured a		•			
	o For U o For	Union County, Essex County, k Airport, a new	2.03 inches from 1.44	was measured a	tt Canoe Brook Fells to 2.69 i	nches at	Verona. At Newark les fell on the 9th whi	*	
	o For U o For Newark (1942).	Union County, Essex County, k Airport, a nev	2.03 inches from 1.44 w daily rainf	was measured a	nt Canoe Brook Fells to 2.69 i set. A total of	nches at		*	
	o For U o For Newark (1942). o For I	Union County, Essex County, k Airport, a new Hudson County	2.03 inches from 1.44 w daily rainf v, 1.69 inche	was measured a inches at Essex fall record was s	nt Canoe Brook Fells to 2.69 i eet. A total of Harrison.	nches at 1.13 inch	nes fell on the 9th whi	*	
NJZ002>003	o For U o For Newark (1942). o For I o For I	Union County, Essex County, k Airport, a new Hudson County	2.03 inches from 1.44 w daily rainf v, 1.69 inche , from 1.67	was measured a inches at Essex fall record was s as of rain fell at f	nt Canoe Brook Fells to 2.69 i eet. A total of Harrison.	nches at 1.13 inch	nes fell on the 9th whi	*	
NJZ002>003	o For U o For Newarh (1942). o For I o For I <b>Weste</b> 22 A low	Union County, Essex County, k Airport, a nev Hudson County Bergen County, ern Passaic - 0300EST 1130EST pressure system	2.03 inches from 1.44 i w daily rainf v, 1.69 inche , from 1.67 i <b>Bergen</b> m developed	was measured a inches at Essex fall record was s s of rain fell at inches at Oaklar	tt Canoe Brook Fells to 2.69 i tet. A total of Harrison. Ind to 2.41 inche <b>0</b> Atlantic Coast o	nches at 1.13 inch es at Fran 0 early Sun	tes fell on the 9th whi klin Lake. day morning and mo	ich broke the old dai Heavy Snow	ly record of 0.82
NJZ002>003	o For U o For Newark (1942). o For I o For I <b>Weste</b> 22 A low Island o	Union County, Essex County, k Airport, a new Hudson County Bergen County, ern Passaic - 0300EST 1130EST pressure system during early aft	2.03 inches from 1.44 w daily rainf v, 1.69 inche , from 1.67 <b>Bergen</b> m developed ernoon. He	was measured a inches at Essex fall record was s is of rain fell at inches at Oaklar d off the Mid-A	tt Canoe Brook Fells to 2.69 i eet. A total of Harrison. nd to 2.41 inche 0 Atlantic Coast o ed and spread n	nches at 1.13 inch es at Fran 0 early Sun ortheast o	tes fell on the 9th whi klin Lake. Iday morning and mo over the area.	ich broke the old dai Heavy Snow	ly record of 0.82
NJZ002>003	o For I o For Newark (1942). o For I o For I <b>Weste</b> 22 A low Island o Snowfa o For I	Union County, Essex County, k Airport, a new Hudson County Bergen County, ern Passaic - 0300EST 1130EST pressure system during early aft all amounts ran Bergen County,	2.03 inches from 1.44 w daily rainf v, 1.69 inche , from 1.67 <b>Bergen</b> m developed ernoon. He ged from 6 f	was measured a inches at Essex all record was s s of rain fell at inches at Oaklar d off the Mid-A avy snow forme to 8 inches. Her 5 snow was mea	at Canoe Brook Fells to 2.69 i eet. A total of Harrison. ad to 2.41 inche <b>0</b> Atlantic Coast of ed and spread n re are selected sured at Ruther	nches at 1.13 inch es at Fran 0 early Sun ortheast o amounts: ford and	tes fell on the 9th whi klin Lake. Iday morning and mo over the area. Ridgefield.	the broke the old dail Heavy Snow	ly record of 0.82
	o For I o For I (1942). o For I o For I <b>Weste</b> 22 A low Island o Snowfa o For I	Union County, Essex County, k Airport, a new Hudson County Bergen County, ern Passaic - 0300EST 1130EST pressure syster during early aft all amounts ran Bergen County, Western Passaid	2.03 inches from 1.44 w daily rainf v, 1.69 inche , from 1.67 <b>Bergen</b> m developed ernoon. He ged from 6 f	was measured a inches at Essex all record was s s of rain fell at inches at Oaklar d off the Mid-A avy snow forme to 8 inches. Her 5 snow was mea	at Canoe Brook Fells to 2.69 i eet. A total of Harrison. ad to 2.41 inche <b>0</b> Atlantic Coast of ed and spread n re are selected sured at Ruther	nches at 1.13 inch es at Fran 0 early Sun ortheast o amounts: ford and	tes fell on the 9th whi klin Lake. Iday morning and mo over the area.	the broke the old dail Heavy Snow	ly record of 0.82
<u>NEW JERSEY, Sou</u>	o For I o For I (1942). o For I o For I <b>Weste</b> 22 A low Island o Snowfa o For I	Union County, Essex County, k Airport, a new Hudson County Bergen County, ern Passaic - 0300EST 1130EST pressure syster during early aft all amounts ran Bergen County, Western Passaid	2.03 inches from 1.44 w daily rainf v, 1.69 inche , from 1.67 <b>Bergen</b> m developed ernoon. He ged from 6 f	was measured a inches at Essex all record was s s of rain fell at inches at Oaklar d off the Mid-A avy snow forme to 8 inches. Her 5 snow was mea	at Canoe Brook Fells to 2.69 i eet. A total of Harrison. ad to 2.41 inche <b>0</b> Atlantic Coast of ed and spread n re are selected sured at Ruther	nches at 1.13 inch es at Fran 0 early Sun ortheast o amounts: ford and	tes fell on the 9th whi klin Lake. Iday morning and mo over the area. Ridgefield.	the broke the old dail Heavy Snow	ly record of 0.82
	o For I o For I (1942). o For I o For I <b>Weste</b> 22 A low Island o Snowfa o For I	Union County, Essex County, k Airport, a new Hudson County Bergen County, ern Passaic - 0300EST 1130EST pressure syster during early aft all amounts ran Bergen County, Western Passaid	2.03 inches from 1.44 w daily rainf v, 1.69 inche , from 1.67 <b>Bergen</b> m developed ernoon. He ged from 6 f	was measured a inches at Essex all record was s s of rain fell at inches at Oaklar d off the Mid-A avy snow forme to 8 inches. Her 5 snow was mea	at Canoe Brook Fells to 2.69 i eet. A total of Harrison. ad to 2.41 inche <b>0</b> Atlantic Coast of ed and spread n re are selected sured at Ruther	nches at 1.13 inch es at Fran 0 early Sun ortheast o amounts: ford and	tes fell on the 9th whi klin Lake. Iday morning and mo over the area. Ridgefield.	the broke the old dail Heavy Snow	ly record of 0.82
<u>NEW JERSEY, Sou</u> Burlington County	o For U o For Newark (1942). o For I o For I Weste 22 A low Island o Snowfa o For I o For V th and N	Union County, Essex County, k Airport, a new Hudson County Bergen County, ern Passaic - 0300EST 1130EST pressure syster during early aft all amounts ran Bergen County, Western Passaic Inthwest 1100EST	2.03 inches from 1.44 w daily rainf v, 1.69 inche , from 1.67 <b>Bergen</b> m developed ernoon. He ged from 6 f	was measured a inches at Essex all record was s s of rain fell at inches at Oaklar d off the Mid-A avy snow forme to 8 inches. Her 5 snow was mea	at Canoe Brook Fells to 2.69 i eet. A total of Harrison. ad to 2.41 inche 0 Atlantic Coast of ed and spread n re are selected sured at Ruther ranged from 6	nches at 1.13 inch es at Fran 0 early Sun ortheast o amounts: ford and inches a	tes fell on the 9th whi klin Lake. Iday morning and mo over the area. Ridgefield.	Heavy Snow Deved northeast, passi	ly record of 0.82
<u>NEW JERSEY, Sou</u> Burlington County Countywide Camden County	o For U o For Vewark (1942). o For I o For I <b>Weste</b> 22 A low Island o Snowfa o For I o For V th and N 08 09 08	Union County, Essex County, k Airport, a new Hudson County Bergen County, ern Passaic - 0300EST 1130EST pressure syster during early aft all amounts ran, Bergen County, Western Passaid Korthwest 1100EST 1100EST	2.03 inches from 1.44 w daily rainf v, 1.69 inche , from 1.67 <b>Bergen</b> m developed ernoon. He ged from 6 f	was measured a inches at Essex all record was s s of rain fell at inches at Oaklar d off the Mid-A avy snow forme to 8 inches. Her 5 snow was mea	at Canoe Brook Fells to 2.69 i eet. A total of Harrison. ad to 2.41 inche 0 Atlantic Coast of ed and spread n re are selected sured at Ruther ranged from 6 0	nches at 1.13 inch es at Fran 0 early Sun ortheast of amounts: ford and inches at 0	tes fell on the 9th whi klin Lake. Iday morning and mo over the area. Ridgefield.	Heavy Snow Dived northeast, passi nches at Greenwood Heavy Rain	ly record of 0.82

		Time	Path	Path		ber of	Estin			March 1998
Location	Date	Local/	Length	Width		sons	Dan	0	CT	
Locaton	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	
<u>NEW JERSEY, Sou</u>	ith and	<u>Northwest</u>								
<b>Cumberland County</b>										
Countywide	08	1200EST			0	0			Heavy Rain	
	09	1100EST								
Mercer County	00	1200507			0	0			H D ·	
Countywide	08 09	1200EST 1200EST			0	0			Heavy Rain	
Atlantic County	0,7	1200101								
Countywide	08	1300EST			0	0			Heavy Rain	
county white	09	1100EST			Ŭ	Ū			ficu vy fauni	
Cape May County										
Countywide	08	1300EST			0	0			Heavy Rain	
	09	1100EST								
Hunterdon County										
Countywide	08	1300EST			0	0			Heavy Rain	
	09	1300EST								
Middlesex County	00	1200505			0	0				
Countywide	08 09	1300EST 1300EST			0	0			Heavy Rain	
Monmouth County	09	13001231								
Countywide	08	1300EST			0	0			Heavy Rain	
Countywhee	09	1300EST			U	U			Heavy Kain	
Ocean County										
Countywide	08	1300EST			0	0			Heavy Rain	
	09	1300EST								
Somerset County										
Countywide	08	1300EST			0	0			Heavy Rain	
	09	1200EST								
Morris County										
Countywide	08	1400EST			0	0			Heavy Rain	
a a .	09	1300EST								
Sussex County	00	1400505			0	0				
Countywide	08 09	1400EST 1400EST			0	0			Heavy Rain	
Warren County	02	14001/31								
Countywide	08	1400EST			0	0			Heavy Rain	
Countywite	08	1400EST			U	v			IICavy Kalli	
NJZ019		lington								
	10	1500EST			0	0			Flood	
	11	0100EST								

Rain overspread New Jersey during the late morning and early afternoon on the 8th preceding a low pressure system's warm front. The heaviest rain fell during two periods. One burst of heavy rain fell during the late afternoon and evening of the 8th. The second burst occurred during the morning of the 9th as a line of showers and thunderstorms moved through the region. Scattered pockets of heavier rain also affected the northwest part of the state during the afternoon and evening of the 9th.

Storm totals averaged between 1.5 and 3.0 inches with the highest amounts falling along the coast and Sussex County. This caused some urban and poor drainage flooding, but was not heavy enough to push most of the major streams or rivers above bankfull. The one exception was the Rancocas Creek in Burlington County. Low lying areas along the creek started experiencing flooding during the mid day hours on the 9th as the runoff from the heavy rain was slowed by the incoming high tide in the lower part of the creek. Damage occurred to bulkheads and basements from Mount Holly to Southampton and also in Brown Mills along the north branch of the creek. Flood waters also crept into the backyards of homes in Lumberton near Burlington County Road 541. The North Branch of the Rancocas Creek at Pemberton did reach its flood stage of 2.7 feet the next day (the 10th) at 3 p.m. EST and remained above flood stage until 1 a.m. EST on the 11th. It crested at 2.71 feet at 7 p.m. EST on the 10th. Elsewhere, the unusually wet winter raised the water table above normal. This led to a rash of basement flooding reports, especially in Atlantic County.

Storm precipitation totals included 3.13 inches in Freehold (Monmouth County), 3.11 inches in Red Bank (Monmouth County), 3.09 inches in Brick Township (Ocean County), 2.95 inches at the Marina in Atlantic City, 2.44 inches in Harvey Cedars (Ocean County), 2.34 inches in New Lisbon (Burlington County), 2.31 inches in Wantage (Sussex County), 2.30 inches in Montague (Sussex County), 2.25 inches in Absecon (Atlantic County), 2.14 inches at the Atlantic City International Airport, 2.12 inches in Stewartsville (Warren County), 2.10 inches in Atsion (Burlington County), 1.87 inches in Millville (Cumberland County), 1.86

		Time	Path	Path	Numb		Estimated	March 199
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Pers Killed	ons Injured	Damage Property Crops	Character of Storm
NEW JERSEY, South	and N	Northwest						
	inches in Son Cherry in New County	at the McGui nerdale (Camd Hill (Camder Brunswick ( y), 1.41 inche	en County) a n County), 1.0 Middlesex Co s in Chathan	and Pottersville 62 inches in Sp ounty), 1.47 in	(Somerset Co arta (Sussex C ches in Werts nty), 1.28 inch	ounty), 1.7 County), 1. ville (Hun	2 inches in Seabrook 52 inches in Lambert terdon County), 1.43	n Cape May Courthouse, 1.74 inche (Cumberland County), 1.64 inches ville (Hunterdon County), 1.50 inche inches in South Harrison (Glouceste ty), 1.21 inches in Trenton (Merce
NJZ012>014-019>026		tic - Wester 0300EST	n Cape Ma				ington - Western ( Atlantic - Eastern	Ocean - Cumberland - Wester Ocean Wind
NJZ013>014-026	Wost	1100EST		rn Monmout	h Factorn	Ocean		
NJZ0132014-020	09 Strong	0300EST 0700EST east to southe	ast winds pre	eceding and acc	<b>0</b> companying a	0 low pressu		Tidal Flooding nt brought wind gusts as strong as 5
	heavy		ss at the time					y morning high tide on the 9th. Th shore. The strongest winds occurre
	down t Monm afterno southe	tree limbs and outh and Ocea oon around 43 ast part of the	power lines. an Counties to 0 p.m. EST. state the mo	GPU reported the morning of Farther south prning of the 9th	about 9,000 h the 9th. The h, Atlantic Ele h and all but 1	omes and last 2,500 ectric repo 70 had po	businesses lost power in Point Pleasant (O rted about 2,400 hon ower restored by 230	unty). The strong winds also pulle r in Central New Jersey in Middlese cean County) were back on line that hes and businesses lost power in the p.m. EST that afternoon. Peak win mona and 46 mph in Harvey Cedars
	County school notably	y) the combina closures for t	ation of heav he day. In C cean Beach so	y rain and high Dcean County, :	er than norma minor tidal flo	l tides flo oding was	oded the streets with s reported from Point	n the 9th. In Keansburg (Monmour more than 2 feet of water and force Pleasant to Long Beach Island mos flooding was also reported in Seasic
Ocean County Tuckerton	09	0832EST	,		0	0		Thunderstorm Wind (G70)
I UCKEI IOII	A squa County county	<b>0838EST</b> all line of sev y. These thur y. The worst	vere thunders aderstorms of damage occu	ccurred within urred in Tucker	d pockets of a system that ton as the thu	hurricane was alrea inderstorm	dy producing wind g as tore off the roofs f	m Tuckerton to Waretown in Ocea usts as strong as 55 mph within th from a couple of summer homes ar k in Waretown was knocked over.
NJZ001-008		x - Morris 0200EST 1200EST			0	0	ŗ	Wintry Mix
	the day sunrise northw roadwa Unfort	sleet and freez y on the 18th. e. Precipitation vestern Sussex ays were hazar unately while	ing rain over Precipitatior n was all rain County was rdous. A low it was warm	a started in the by around 9 a still experienci v pressure syste	early morning m. in Morris ( ng freezing rai em in the Miss n above the gi	as sleet an County. P in. Storm sissippi Va	nd freezing rain and s recipitation ended by totals were generally alley pumped moisture	Morris County during the first half of lowly changed over to plain rain aft noon, but even then High Point in f under a quarter of an inch. Untreate e east into the Middle Atlantic State ace left by a departing high pressur
Mercer County Trenton	19	1125EST	,		0	0		Flood
	The ur Merce tenths Assun crested 19th au	1340EST seasonably w r County. Rai of an inch pe pink Creek. In l at 7.1 feet at nd pumped in	et year and n in began agai r hour) betw n Trenton, th 1215 p.m. E moisture fror	in across centra veen 3 a.m. and e creek was ab ST. The low p	a set the stage I New Jersey I 8 a.m. EST ove its 7 foot pressure system fexico and the	for floodi toward mi on the 19 flood stag n responsi Atlantic (	idnight on the 18th ar th. This was too mu ge from 1125 a.m. unt ble for the rain was in	nk Creek around noon on the 19th i dd fell at a moderate clip (around tw ich for the saturated ground and th il 1:40 p.m. EST the on the 19th. I n the Ohio Valley the morning of th Atlantic States. Storm rainfall tota
NJZ001-007		x - Warren 0700EST 0800EST			0	0		Wintry Mix

		Time Local/	Path Length	Path Width	Number Person		Estimated Damage		March 1998
Location	Date	Standard	(Miles)	Width (Yards)		s Injured	Property Crops	Character of Storm	
NEW JERSEY, South	and No	orthwest							
	through New Ye snow by in Warr pressure in the d burst of included Stewarts 21st, to	sunrise on the ork State and the evening, en County. e system (near ay on the 21: heavier snow 14 inches in 1 swille. The low just east of D	a 22nd. Prec Canada, prec starting first Periods of lig r Cape Cod tl st and thus a w that accom Highland Lak w pressure sy elaware the e	cipitation starte cipitation slowl in the higher el ght snow persis he morning of t ccumulations w panied the upp tes and Montag stem that cause wening of the 2	d as rain before y changed over evations. It too ted through the he 22nd) move yere held down er level low pr ue, 2 inches in V d the wintry mi	e dawn of from rai k a while night of d through mainly essure sy Wantage x moved l the mor	ross Northwest New in the 21st, but as cold in to sleet in the mor e for precipitation to b the 21st until the upp in the region. The heat between two and four ystem early in the mod and Newton, 1.5 inch northeast from North ming of the 22nd. Th	d air was drawn into ning and early aftern ecome snow in the v per level low guiding wiest precipitation for inches. The region porning on the 22nd. tes in Hackettstown a Carolina early in the	the region from noon and then to alleys, especiall g the surface low ell as rain earlier n also avoided Accumulation and 0.6 inches ir e morning on the
NJZ008	Morris				0	0			
	21 22	0700EST 0900EST			0	0		Winter Storm	
				0 11	÷ 1		a winter storm across on from New York St	•	
NJZ013>014-024>026	to occur through low gui Accumu 4 inches morning steering	in the far so the night of iding the su lations avera s in Chatham g on the 21st, the surface s	utheastern pa the 21st and rface low p ged around 6 i. The low p to just east o ystem moved	rts of the count were enhanced ressure system inches and inc ressure system of Delaware the through New J	ty. The change toward daybrea (nearing Cap luded 7 inches that caused the evening of the fersey during th	to snow ik on the e Cod t in Butler, e winter e 21st to e early m	of the county and too followed a similar sl 22nd in the eastern p the morning of the , 6 inches in Jeffersor storm moved northea Cape Cod the mornin torning on the 22nd. <b>ay - Eastern Atlan</b>	ow path. Periods of parts of the county a 22nd) moved thro a Township, 5 inches ast from North Caro ag of the 22nd. The	f snow persisted s the upper level ugh the region in Marcella and lina early in the upper level low
NJZ013>014-024>020	21 22	1130EST 0330EST		II WOIIIIOUU	0	0	ty - Eastern Atlan	Coastal Floodi	
	the 21st feet abo feet abo pressure two tide to the ne tidal floo	and the very ve mean low ve mean low e system mov cycle event. ortheasters th	y early morning water at Sand water at Cap ed quickly, w Winds guste at battered the northeast fro	ng on the 22nd ly Hook, 6.7 fee e May. The hi vinds shifted to d to between 4 e region during m North Caroli	. Tides average et above mean l ghest tides occu the northwest a 5 and 50 mph al g late January as	ed betwe ow water urred with round su ong the i nd early	around the time of hi en 2.5 and 3.0 feet al r at both Atlantic City h the early morning h nrise on the 22nd and immediate shore, but February. The low p on the 21st, to just eas	bove normal and ready and Manasquan Inle igh tide on the 22nd d tidal flooding was these conditions pale ressure system that of	ched around 7.5 et and around 7.6 Since the low limited to only a d in comparison caused the mino
NJZ013-019		n Monmou		igton	0	0		a	
	southwe within t generall	est to northea his band ave y two inches	noved over N st corridor fr eraged 3 to 5 or less. Accu	om Mount Lau 5 inches. Else	where across c uded 5.5 inches	on Count entral ar	the 22nd and produce ty to Sandy Hook in ad southern New Jer v Hook, 4.5 inches in	Monmouth County, sey, accumulations	Accumulation were lighter and
NJZ001-007>010- 012>026	Merce	r - Salem -	Gloucester ay - Eastern	- Camden - I	Burlington -	Wester	x - Western Monr n Ocean - Cumber Eastern Ocean		Atlantic -
	through	•	rm air mass The warme		-		g high temperatures a interior central and so	•	
	Several previous warmes tied its l	locations acro s March mon t March day o March month	oss the Middl athly record of this century ly record of 8	e Atlantic State of 85 degrees s in New Bruns	es established no set in 1977 with wick with a high previously on M	ew March h a high h of 88 d	a few locations reach h monthly high temper temperature of 89 d legrees. The Atlantic 1945. The excessive	erature records. Mor egrees on the 30th. City International A	ristown broke it It was also the irport in Pomon

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along the New Jersey Transit lines in Middlesex County.

IEW JERSEY, South an N 29 (N (S C Si Si Si C C C C C C C C	Vew da 9th an Monme Somers County Sussex South F	ily record hig d in Morrist outh County set County), ), 88 degrees (Sussex Cou	own on the 3 ), 90 degrees 89 degrees in in Cherry Hi	0th and 31st. in Mount Hol	City Internationation	njured al Airport o	Damage Property Crops on the 27th and 30th		
N 29 (N (S C S 1 S C C C C C	Vew da 9th an Monme Somers County Sussex South F	ily record hig d in Morrist outh County set County), ), 88 degrees (Sussex Cou	own on the 3 ), 90 degrees 89 degrees in in Cherry Hi	0th and 31st. in Mount Hol	Across the re				( ) M
29 (N (S C S S C C C C	9th an Monme Somers County) Sussex South F	d in Morrist outh County set County), ), 88 degrees (Sussex Cou	own on the 3 ), 90 degrees 89 degrees in in Cherry Hi	0th and 31st. in Mount Hol	Across the re				- M- 1
NJZ013>014-016- W	loudin	) and at High less and a col	ucester Count Point (Sussex d frontal pass	ll (Camden Con ees in Stewarts y), Seabrook a County), 83 de age on April 1st	Morris County), unty), Flemingt wille (Warren G nd Millville (be egrees at Cape M slowly brough	County), Toms Ri on (Hunte County) ar oth Cumbe May Court t temperatu	highest temperature Long Beach Island ver (Ocean County), rdon County), New d the Atlantic City rland County), 84 c house and 82 degree tres back to seasona cean - Cumberla	and Washington's ( Brunswick (Middle International Airpo legrees in Long Bra s at the Marina with l levels in early Apri	rees in Freehold and Belle Mea Crossing (Merce sex County) an rt, 86 degrees in nch (Monmout in Atlantic City I.
020>026 V 31 Fe Je w p1 be w	Vester 1 followi ersey a veighte recipit etweer vettest	rn Cape M 2359EST ng a trend that nd also for the d county average to 5 and 6.8 in March on reco	ay - Eastern at has lasted the ecounties ald erage precipit was between nches and rep cord at the Atl	n Cape May - the whole year second Delaware B ation totals were in 175 and 200 presented a depart	• Eastern Atl 0 o far, March 19 ay. In Atlantic re between 150 percent of nor arture of betwe na as 6.29 incho	antic - E 0 98 was an c, Cumberl ) and 175 mal. Cou en 2.0 an es of preci	astern Ocean unseasonably wet m and, Monmouth, Oc percent of normal. nty weighted averaged 3.1 inches above pitation fell. It was	Unseasonably onth for the coastal ean and Salem Cour In Cape May Cour ge monthly precipit normal. March 199	Wet counties of New nties the monthl nty, the monthly ation totals wer 98 was the tent
EW MEXICO, Central	l and	<u>North</u>							
00 07 B 7	6 7 Bands of inches	1800MS' 1200MS' of heavy snow s of wet snow	Γ Γ v spread north v while amour	east during the	0 night from wes	0 t central N	ew Mexico into the Four to six inch amo	Heavy Snow northern mountains.	*
		n Catron cour							
	Centra		ins/Estancia	- Northeast a Valley Cou		Westcent 0	ral Mountains - 40K	Sandia/Manzano Heavy Snow	Mountains -
ar V ar ea li _t	A slow nd dun Vegas. reas sr astern ght sho	nped heavy w Pietown mea now amounts Bernalillo Co ed damage w	er storm feed vet snow from sured 12 inch averaged 8 in punty causing ere also report	the west centrates in the west centrates in the west west west west which here is the hear power and photon in the here is there is there is the here	al mountains no while Gascon ro vy wet snow do one outages affe unty. Interstate	ortheastwa eported 24 owned tree ecting over 40 was clo	now of 32 inches at rd into the Sangre d inches in western N es and utility lines in 2000 customers fo sed at Tijeras for 6 l	e Cristo Mountains Mora County. Outsid n the east mountain r 24 to 48 hours. Po	northwest of La de these isolated communities o wer outages an
	Northe 7	east Highla 1800MS 0700MS	nds Г		0	0		Heavy Snow	
		•		eported an isola atral Mounta	•		f 18 inches. C <b>ounty Plains</b>		
23 A	<b>3</b> At least	1300MS' five New M	<b>Γ</b> exico cities st	retching from F	o armington and	0 Gallup in	the northwest to Tuc 80s in the east and t		d Carlsbad in th
	Plains		alley Coun	le Rio Grand ty - Capitan/			nzano Mountains Mountains	s - Central High High Wind (G	50)
A	stron	2100MS g upper leve st along the S	<b>Г</b> I low pressur Sangre de Cris	to foothills from	n near Las Veg	as north to	nuch of New Mexi Raton, and over th en struck by a fallin	co with gusts above e mountain ridges n	e 50 mph in th
EW MEXICO, South C	Cent	ral and So	outhwest						
		REPORTED							

**NEW MEXICO, Southeast** 

Eddy	County
------	--------

4 ENE Loco Hills 17 1455MST 0 0 Hail (1.0	4 ENE Loco Hills	17	1455MST		0	0	Hail (1.0
-------------------------------------------	------------------	----	---------	--	---	---	-----------

	St	torm I	Data ai	nd Unu	sual W	eath	er Phenon	nena	
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number Person Killed l		Estimated Damage Property Crops	Character of Storm	March 1998
NEW MEXICO, Sout	heast	Standard	(ivines)	(Taius)	Kined	njured	Troperty Crops		
Lea County Hobbs	17	1608MS' core upper le		wed through the	0 e region with a s	<b>0</b> 500 mb te	emperature of -21C a	<b>Hail (0.75</b> ) t KMAF.	
<u>NEW YORK, Central</u> NYZ009-015>018-		ern Onedia	- Yates - S	eneca - South	iern Cayuga	- Onon	daga - Madison -	Southern Oneida -	Cortland -
036>037-044>046-057	Chena 14 15 An . of the 1 region pressur Catskill Dur energy and loc The commo Rock.	ngo - Otse; 0100EST 0300EST Alberta clipp 5th. A fairly eastward to e system mo ls, also produ ring daylight and multi-ba ally heavy ar e heaviest sn on by sunrise For many ot	go - Delawa c r type storm v narrow east t the Mohawk wed off the N hours on the und developm mounts in One owfall totals on the 15th.	system moved of to west band of Valley and no Jew Jersey coa of snow across t 15th and into th ent off Lake O ida county. for this entire e Some specifi central New Yo	0 eastward across moderate to he: rthern sections st, it began to a his region. he very early m ntario produced went were acros c totals include	0 Pennsyla avy snow of the S slow dow orning h several ss northe d 11 inc eraged 5	vania during the late of fell during this time Susquehanna region vn and throw Atlanti ours of the 16th, the more inches of snow ern Oneida county, w hes in Westernville to 8 inches. Locke	Heavy Snow evening of the 14th an frame from the northe in central New York. ic moisture back over combination of addition for many parts of ce there 8 to 12 inch acc and Forestport, and 9 in southern Cayuga c	d early mornin rn Finger Lak Once the lo sections of th onal upper lev ntral New You umulations we inches in Poi
NYZ009-015>018- 022>025-036>037- 044>046-055>057-062	Tompl Sulliva 20 22 A lo A notal the 21s This ro where 4 Fro strength 22nd. Sno	kins - Madi an 2100EST 0900EST ow pressure s ble spoke of it. A burst of und of snow 4 to 8 inches m the evenin hening furthe	ison - South system slowly upper level er f heavy snow was primarily fell within rou g of the 21st rr. As this oc or this entire of	intensified over nergy rotated ar resulted, which / concentrated f / ghly a 6 hour p through the 22 ecurred, narrow	• Cortland - ( 0 er the Carolinas ound this storm n was mixed wi rom the central veriod. nd, the storm cc bands of very viest across the	0 from the and affe th sleet a southerr enter beg heavy si Finger L	go - Otsego - Tiog e evening of the 20th ected central New Yo and freezing rain nea a tier of New York no an to move northeast nowfall developed ov akes and central south	Schuyler - Chemur ga - Broome - Delay Heavy Snow through much of the of ork during the early m r the New York/Penn- orthward into the Fing tward off the Mid-Alta vernight into the early hern tier regions. Acc inty picked up 15 inch	ware - lay on the 21s orning hours of sylvania borde er Lakes regio antic coast whi morning of th umulations of
	Yates c snow o inches Elsewh the 22n	county receive courred from were comme ere in central ad.	ed 9 inches, w a eastern Broo on here, inclu l New York, o	while Auburn and me and Otsego ading 9.5 incher event totals ave	d Sterling in Ca counties into thes in Afton of	yuga cou he Catsk Broome	inty got 10 to 11 inch ills early in the morn county and 9 inch	hes. Another narrow ro ing on the 22nd. Am es in Stamford of De off during the mid to	egion of heavie ounts of 7 to 1 elaware count
NYZ015-017>018	28 A fa New Y In Y large tr	1740EST 1900EST ast moving lin ork late in the Yates county rees and utilit	The of showers e afternoon or on top of Ital ty poles were	transported str the 28th. y Hill, wind gu blown over in	ists toppled pov downtown Aub	ver lines urn of so	as the squall line pus outhern Cayuga count	High Wind (G5 oss the Finger Lakes r shed through. Further ty and Camillus of we ower outages resulted	egion of centr east, numerou stern Onondag
NEW YORK, Coastal									
Nassau County Countywide	08 09	2200EST 1800EST			0	0		Urban/Sml Stre	am Fld
Suffelly County									

Suffolk County					
Countywide	08 09	2200EST 1800EST	0	0	Urban/Sml Stream Fld
	09	1000E51			

		Time Local/	Path Length	Path Width		ber of sons	Estin Dan		March 1998
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm
NEW YORK, Coas	<u>tal</u>								
Bronx County Countywide	09	0100EST 0700EST			0	0			Urban/Sml Stream Fld
Kings County Countywide	09	0100EST 0700EST			0	0			Urban/Sml Stream Fld
New York County Countywide	09	0100EST 0700EST			0	0			Urban/Sml Stream Fld
Queens County Countywide	09	0100EST 0700EST			0	0			Urban/Sml Stream Fld
<b>Richmond County</b> Countywide	09	0100EST 0700EST			0	0			Urban/Sml Stream Fld
Rockland County Countywide	09	0100EST 0700EST			0	0			Urban/Sml Stream Fld

Two low pressure systems formed along a front over the Southeast U.S. One low formed over the Western Gulf of Mexico and another formed off the Southeast U.S. Coast. As both lows moved north-northeast, they intensified. A strong moist east wind flow developed ahead of the approaching strong warm front.

This system produced widespread heavy rainfall including thunderstorms that caused widespread urban and small stream flooding across the region. Many low-lying and poor drainage areas, including streets were flooded throughout the area. For example, significant street flooding occurred on Wellwood Ave. in North Lindenhurst (Nassau County) and on Riverside Ave. in Amityville (Suffolk County). Rainfall began around noon on March 8th and became heavy producing flooding by the times indicated above.

This system also produced strong wind gusts from 40 to 50 mph that in combination with the heavy rain caused some tree limbs to fall along with scattered power outages.

Here are selected rainfall amounts:

o For Rockland County, from 1.44 inches at Suffern to 2.38 inches at Nanuet.

o For New York City, from 2.30 inches at Central Park to 2.73 inches at LaGuardia Airport. For March 9th at Central Park, a new daily rainfall record was set. The new record is 1.82 inches and the old record was 1.70 inches (1983).

o For Nassau County, from 2.62 inches at Levitown to 3.04 inches at Sea Cliff.

o For Suffolk County, from 3.21 inches at Bridgehampton to 4.49 inches at the NWS Office at Upton.

Westchester County					
Countywide	09	0300EST	0	0	Flood
-		1000EST			

Two low pressure systems formed along a front over the Southeast U.S. One low formed over the Western Gulf of Mexico and another formed off the Southeast U.S. Coast. As both lows moved north-northeast, they intensified. A strong moist east wind flow developed ahead of the approaching strong warm front.

This system produced widespread heavy rainfall including thunderstorms that caused serious widespread urban and small stream flooding across the county. Many low-lying and poor drainage areas, including streets were flooded throughout the area. For example, up to 3 feet of water collected in the southbound lane of the Bronx River Parkway near Palmer Road in Bronxville. At least 12 vehicles became submerged in water and required towing from this area. Additionally, up to 33 vehicles required towing at various locations along the Bronx River Parkway. Heavy rain also caused roof and basement flooding.

Rainfall began around 1 pm on March 8th and became heavy producing flooding by around 3 am on March 9th. Rainfall amounts generally ranged from 2 to 4 inches. At Westchester County Airport, 3.06 inches was measured.

This system also produced strong wind gusts from 40 to 50 mph that in combination with the heavy rain caused some tree limbs to fall along with scattered power outages.

		Time	Path	Path	Number		Estimated	March	1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Person Killed	1s Injured	Damage Property Crops	Character of Storm	
NEW YORK, Coastal									
NYZ069	Island	0400ES 1130ES pressure sys during early	<b>T</b> tem develope afternoon. He			•	• •	Heavy Snow wed northeast, passing east o ll amounts ranged from 4 to 8	-
NEW YORK, East	across	Rockland Co	ounty.						
NYZ043	<b>09</b> 11 From		<b>T</b> March 11, the		-	•		Flood ng was mainly confined to lo lood stage at Granville is six i	
NYZ040-047>048	-		choharie - V T	Western Scho		0	ining of filmen 10.	Flood	eet.
	At Bu	arch 10, mino rtonsville, the	r flooding oco creek crested	at 6.2 feet duri	ng the early afte		Central Bridge in Sch Flood stage at Burtons	oharie County to the Mohawk ville is 6 feet.	River.
NYZ033-058-063	Hami 14 15	ilton - West 0300ES 0000ES	Т	- Western U	lster 0	0		Winter Storm	
NYZ032>033-039- 041>043-047>048-051- 058	in Gre remain <b>Nortl</b>	eene County, nder of the are hern Herkin	10 inches at ea snow totals mer - Hamil vestern Alba	Slide Mountai generally range	n in Ulster Cou ed from 2 to 5 in - Northern S	inty and thes. Th	8 inches at Piseco L ne heavy wet snow ca	tals included: 9 inches at Platt ake in Hamilton County. O used numerous traffic acciden ington - Schoharie - West Winter Storm	ver the ts.
	22 During precip region mixing numer wester	1200ES g March 21 itation fell m g generally ran g with and c ous accidents m Albany Co	<b>T</b> and 22, a co- ainly as snow loged from 6 to hanging to sle s. Some spec- unty, 8 inches	in the souther 10 inches. Sneet and freezin ific snowfall to a t Saratoga S	oduced a mix o n Adirondacks, owfall was much g rain. Interst tals included: 1 prings in Sarato	of snow, upper H h lighter of ate 88 in 2 inches oga Count	udson Valley and no over the remainder of a Schoharie County at Whitehall in Was	ain across eastern New Yor rthern Catskills. Snow totals the region due to the snow fre vas closed for several hours nington County, 7 inches at F vater Reservoir in northern Ho	in this equently due to Berne in
NYZ032>033- 038>043-047>054- 058>061-063>066	Wasł - Eas	nington - Sc tern Albany	hoharie - W y - Western	/estern Scher Rensselaer -	nectady - Eas Eastern Ren	tern Scl sselaer	henectady - South - Western Greene	Northern Saratoga - War ern Saratoga - Western A - Eastern Greene - West chess - Eastern Dutchess	Albany ern
	27 31 The er a persi	1200ES 1900ES nd of March v istent souther	T T vas a period o ly flow. Reco	f record heat ac	0 cross eastern Ne atures were set	0 w York a at Albany	as strong high pressur	Excessive Heat e off the Mid-Atlantic coast pr On March 31, the mercury	roduced
NYZ033	Hami 29 31	ilton 1600ES 2359ES			0	0		Flood	
	just so April	outh of Wells 1, with a read	to Northville.	Most of the f	0 0	fined to I	U	Iton County. Flooding occurr oute 30. The river crested at I	
NYZ042	Warı 31	0800ES			0	0		Flood	
	floodi	ng the flood	uring the end of waters were co	onfined to low	-	the river.		County. During the initial s continued to flood until April	-

		Time Local/	Path Length	Path Width	Number Person		Estimated Damage	Ν	Aarch 1998	
Location	Date	Standard	(Miles)	(Yards)		s Injured	Property Crops	Character of Storm		
NEW YORK, North										
NYZ026>031-034>035	North	ern St. Lawı	rence - No	rthern Frank	lin - Northea	et Clint	ton - Southern St	. Lawrence - Southe	rn Franklir	
11120202051-0542055				rn Essex - Ea			ion - Southern St	. Lawrence - Bouthe	1 II 1 1 4IIKIII	
	14	0800EST			0	0		Light Snow		
	15 An area	0200EST	ire moved a	cross northern N	Jew York Satu	rday (Ma	rch 14) and then int	o northern New England	d The system	
		-				•		ex pattern of snowfall	•	
	accumu	lations of gene	erally 3 to 6	inches across no	orthern New Yo	ork.	· •			
NYZ026>031-034>035						st Clint	ton - Southern St	. Lawrence - Southe	rn Franklir	
			on - Weste	rn Essex - Ea		0	50V	<b>H</b>		
	21 22	1000EST 1400EST			0	0	50K	Heavy Snow		
	A storm	n system along						to the Gulf of Maine lat		
								mber of traffic accidents		
	-	•		*		•	from across the area	ations were generally 8	s to 18 inches	
	deross i				in show accun					
		rg Depot		county)						
	South C Malone			rence county) 1 county)						
	Ray Bro			county)						
Clinton County				•						
Countywide	28	1550EST			0	0	250K	Flood		
	31 Unseaso	2359EST	weather res	ulted in dramati	c snowmelt wi	ith ranid	rises on rivers the	last few days of March	n In addition	
		•				1		ating the flooding. Amor		
	and rivers flooding were the Great Chazy which began flooding at 350 pm est Saturday March 28 and the Saranac River which began flooding at 8 AM Sunday March 29th. These rivers continued to exceed flood stage through the end of the month with road									
								rough the end of the mo a, Champlain, Mooers a		
								towns of Ellenburg and		
Essex County	5		.,,	8.5			j i j i i j i i i	0	· · · ·	
Countywide	30	2330EST			0	0	10K	Flood		
	31 Uncons	0500EST	waathar ras	ultad in dramati	c snowmalt w	ith rapid	rises on rivers the	last few days of March	In addition	
								ncing the runoff into ar		
				flooding betwee				U		
St. Lawrence County										
Countywide	31	0300EST 2359EST			0	0	10K	Flood		
	Unseaso		veather resu	lted in dramatic	snowmelt with	rapid ris	ses on some rivers th	e last few days of Marc	h. In addition	
	showers	s and thunders	torms with	heavy downpou	irs moved acro	ss the ar	ea on the 30th enh	ancing the rises in river	rs. Among the	
			-	-	-	These riv	vers continued to exc	eed flood stage through	the end of the	
Franklin County	monun v	with extensive	mena mooan	ng and some road	u ciosures.					
Countywide	31	0300EST			0	0	10K	Flood		
		2359EST								
								last few days of March ing the runoff into strea		
				• I				nd of the month. This re		
	road clo		e	I	e	5	e			
<u>NEW YORK, West</u>										
NYZ010-012-019>020	Erie -	Wyoming -	Chautauq	ua - Cattarau						
	14 15	1733EST	-		0	0	50K	Heavy Snow		
	15 Cold air	0200EST r crossing the y	varmer wate	rs of Lake Erie	produced lake e	effect sno	w squalls. The heav	y snow resulted in slick	roadwavs and	
								the Skyway in downtov		
	about 9	0 minutes. Sn	owfall amou	ints included: 6	at the Buffalo	o Airport	; 7" in Jamestown;	8" in Ellicottville; 10" i	n Arcade and	

South Dayton; and 12" in Perrysburg.

		Time	Path	Path	Numbe	r of	Estimated	March 1998
Location	Date	Local/	Length	Width	Perso	ns	Damage	
	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property Crops	Character of Storm
<u>NEW YORK, West</u>								
NYZ001>008- 010>014-019>021				e - Wayne - N Itario - Chaut				- Lewis - Erie - Genesee -
010/014-01//021	21	0950EST	0		auyua - Can 0	araugu. 0	280K	Heavy Snow
	22	0615EST						
								entire region. The storm began as a day morning. The heaviest snow from
		U				0	•	nd Oswego county. It was the largest
							•	mely slick and innumerable accidents
								throughout the area. Specific snowfall 12" in Rochester and Buffalo; 11" in
								Mount Morris and Watertown.
NYZ001>008-010>014	0			e e	orthern Cay	uga - O	swego - Jefferson	- Lewis - Erie - Genesee -
		ing - Livin	0	tario	0	0	20017	
	28	1548EST 1901EST			0	0	380K	High Wind (G62)
								70 mph, downed numerous trees and
		-	-	-			Genesee county, a ca wn away) was also re	mping trailer was overturned by the
NYZ007>008	•	son - Lewis	-	i.e. siding torn (		ligies bio	wir away) was also rej	poned.
	30	0735EST			0	0	50K	Flood
	31	2300EST		cultad in ranid	malt of the c	ownook	on the Tug Hill pla	teau. The snowmelt combined with
								atertown. Lowland flooding occurred
	both at	Carthage and	Castorland.	The river remai	ned above floo	d stage at	Watertown through t	he first week of April.
NORTH CAROLINA	, Centr	al						
Wayne County	00	1510507		-0	0	0	10077	
7 NE Goldsboro to 8 NE Goldsboro	08	1710EST 1715EST		50	0	0	100K	Tornado (F2)
		ado touched	down in the	-	•			ro. The tornado reached a maximum
	-		•			-		vay between Eureka and Patetown. A w completely through the trailers front
		d logged in th			(wood) nom t	ne tobace	to ball. The wood he	w completely unough the trailers from
Johnston County								
Selma	09	0150EST			0	0		Flash Flood
Wake County		0330EST						
Raleigh	09	0150EST			0	0		Flash Flood
-	Th	0330EST		· · · · · · · · · · · · · · · · · · ·				ad most of Johnston country Country
		-	•	•			•	nd most of Johnston county. County ir banks in both counties. The most
	flooding	g in Wake co	ounty was are	ound the south s	ide of Raleigh	where se	everal roads had to be	closed. In Johnston county, flooding
		orted from m d in less than	•	s including Seln	na and Clayton.	Several	rural roads were close	ed. Rainfall amounts of 1 to 1.5 inches
Sampson County	occurre	u ili iess ulali	an nour.					
5 E Salemburg to	09	0155EST			0	3	90K	Thunderstorm Wind (G50)
5.5 E Salemburg	A thur	0205EST		of microhursts	5 miles east o	f Salamb	ura in Sampson soun	ty. On Bearskin Road, a double-wide
								ailers in the same area, one just a fe w
	hundre	d feet from tl	ne destroyed	one, were left u	indamaged. An	other mi	icroburst was noted a	bout a half- mile east of the first one.
		the area sust			factured home	on Five I	Bridges Road. Severa	l pine tress were snapped off but most
	uces III	ane area sust	ance nuc u	unugo.				
Johnston County								
Smithfield	09	0245EST		1 001 0	0	0		Thunderstorm Wind (G50)
Halifar County	Several	trees were u	prooted and	snapped off in S	mithfield. The	damage	was associated with st	trong thunderstorm winds.
Halifax County Weldon	09	0330EST			0	0		Thunderstorm Wind (G50)
				n the Weldon ci			reported by the Cour	ty Emergency Manager.
	Severa				-,		ronce of the cour	geney manager

		Time Local/	Path Length	Path Width	Number Person		Estimated Damage		March 1998
Location	Date	Standard	(Miles)	(Yards)		is Injured	Property Crops	Character of Storm	
NORTH CAROLINA	<u>, Cent</u>	ral							
Montgomery County Mt Gilead	19	0200EST 0500EST			0	0		Flash Flood	
Chatham County Moncure	19	0300EST 0500EST			0	0		Flash Flood	
Moore County Robbins	19	0300EST 0530EST			0	0		Flash Flood	
Randolph County Sophia	19	0300EST 0600EST			0	0		Flash Flood	
Durham County Durham	19	0400EST 0900EST			0	0		Flash Flood	
Orange County Chapel Hill	19	0400EST 1000EST			0	0		Flash Flood	
Wake County Raleigh	19	0400EST 0650EST			0	0		Flash Flood	
Granville County Oxford	19	0700EST 0930EST			0	0		Flash Flood	
Vance County Bear Pond	19	0700EST 1000EST			0	0		Flash Flood	
Warren County Warrenton	develo	ped near the fr	ontal bounda	ary and moved	slowly across	Montgoi	a during the early m nery, Moore, and Ra son, and Warrenton.		
		rous roads had t ted ground.	to be closed	in Chatham, W	ake, Durham, a	and Vanc	e counties. Rainfall a	mounts up to 4 inch	es fell on already
Forsyth County Pfafftown Forsyth County	20	1436EST			0	0		Hail (1.00)	
Winston Salem	<b>20</b> Quarte	1520EST er size hail fell	in downtowr	Winston-Saler	0 n, reported by 1	0 NWS spo	tter.	Hail (1.00)	
Davidson County Denton Person County	20	1550EST			0	0		Hail (0.75)	
Roxboro	<b>20</b> A Sky	1600EST warn Spotter ol	oserved silve	r dollar size hai	<b>0</b> I in the city of I	0 Roxboro.		Hail (2.00)	
Randolph County Archdale to Sophia	20 Nicke	1605EST 1612EST l size hail fell in	1 Archdale a	nd a few minute	0 es later, dime si	<b>0</b> ze hail w	as reported in Sophia	Hail (0.88)	
Alamance County Burlington	20	1700EST warn Spotter ol			0	0		Hail (0.75)	
Person County Hesters Store	20 Golfba	<b>1730EST</b> all size hail repo	orted in Hest	er's Store comn	0 nunity by a loca	0 al sheriff.		Hail (1.75)	
Randolph County 8 S Asheboro	20	1740EST 1755EST			0	0		Hail (0.75)	

			Path	Path	Number		Estimated	March 1998
Location	Date		Length Miles)	Width (Yards)	Person Killed I	s njured	Damage Property Crops	Character of Storm
NORTH CAROLINA	, Centr	al						
		ize hail accumula ph county. This re				und at a	rural location 8 mile	s south of Asheboro in south-central
Orange County Hillsborough	<b>20</b> Dime s	1804EST	according to :	Skywarn Obs	0 ervers about 1	<b>0</b> mile ea	st of Hillsborough on	Hail (0.75)
Wake County	Dines		according to	51,9 10 11 0 00	iervers about 1	inne eu	st of Hinsborough on	
1 SSE Holly Spgs	the roo							<b>Tornado (F0)</b> ched down very briefly and damage d ation from the home was then spread
Wake County	• •							
Garner	20	1840EST 1842EST	1.5	100	0	2	650K	Tornado (F2)
	snappe section	mado remained a d off. Several tree	es fell on hon d the steeple	nes and outb was blown of	uildings. The t ff the chapel. 7	tornado ( The debr	touched down on Hig	Trees were sporadically uprooted and hway 70 at a church. The roof of one ok out windows at a car lot across the
Wake County	• •							
Raleigh	US64 a billboar	at Wake Medical rd was twisted. 7	Center and the tornado	he Tower Sl then crossed	hopping Cente the highway	r. Cars where i	were overturned, tree t lifted the roof off t	<b>Tornado (F0)</b> e of Raleigh. Damage began just off s were damaged, and a steel-beamed he business office of a tree nursey, rees well away from the path.
Durham County								
Durham	20 Dime h	1820EST ail was reported of	on 15-501 in 1	the city of D	0 urbam by 911	0		Hail (0.75)
Wake County	Dime i	an was reported (	511 15 501 m	the enty of D	iniani oy 911.			
Cary to	20	1825EST			0	0		Hail (0.75)
Raleigh		1830EST ize hail was repo n Street and the B	•	onal Weathe	r Service Emj	ployees	at Waverly Place in (	Cary and at a Raleigh residence near
Alamance County								
Snow Camp	<b>20</b> Golfbal	1830EST Il size hail occurre	ed at Snow C	amp in south	0 ern Alamance	0 county a	as reported by a firema	Hail (1.75) an.
Durham County	20	1920567	25	100	٥	1	(0017	
5 NE Bahama to 7.5 NE Bahama	20	1830EST 1832EST	2.5	100	0	1	600K	Tornado (F2)
	off a m the torr roof da home a ground home a	anufactured home nado damaged far mage. A large oa and reduced it to . The entire struct	e on a brick form sheds and ak tree, without just splinters ture was then tornado reach	oundation. O sent sheets o ut leaves, wa and rubble. sheared off ed its maxin	ne minor injur of tin flying in as snapped off The tornado p at the base and num intensity	y occurr all direct f at the picked u d spread (F2) at t	ed in the home. Down ctions. The tornado th base. Just 100 yards p the home, turned it into the adjacent field his point. Minor dam	do moved northeast and took the roo f a the road a half mile on Range Road, en hit a frame house with only minor away, the tornado hit a manufactured 90 degrees, and slammed it into the d and woods. Thankfully, no one wa s age occurred down the road to some
	Home of	lamage was estin	nated by Eme	rgency Mana	gement to be i	nearly \$4	450K and damage to b	usinesses was nearly \$150K.
Chatham County Silk Hope to Siler City	20	1845EST			0	0		Hail (0.75)
	Dime s	ized hail was repo	orted in Silk I	Hope and Sile	er City per Ch	atham 91	11.	
Chatham County Siler City	20 Strong	1845EST thunderstorm wir	nds destroyed	an outbuildii	0 ng and wrappe	0 d a smal	15K l flatbad trailer around	<b>Thunderstorm Wind (G50)</b> d a tree.
Wake County Raleigh	20 Quarter	1846EST size hail was rep	oorted by a Sk	ywarn Obser	0 ever at Mini Ci	0 ity in nor	rtheast Raleigh.	Hail (1.00)

	St	torm D	ata an	d Unus	ual W	eath	er Phenor	nena	
		Time	Path	Path	Number		Estimated		March 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Person Killed	s Injured	Damage Property Crops	Character of Storm	
NORTH CAROLINA	A, Centr	al							
Granville County	20	1055500		100	0		10077		
Berea	20	1855EST 1857EST	1.5	100	0	0	100K	Tornado (F2)	
	touched damage NC-115 home a	l down in Bere e appeared 1 mi 50, uprooted se	ea on Highwa ile to the north veral trees, an strewn across	y 158. A bri neast on Hebro d destroyed the fields and tree	ick ranch hor n Road (State e roof of a far etops. The to	ne sustain e Road 11 m house. rnado the	ned significant dan 50). The tornado de The tornado reache en moved over a wo	ortheast Durham counage to the roof and sstroyed several barns d F2 at this point. Th poded area, snapping	garage. The nex on both sides of e debris from the
Granville County									
Stovall	20 Dime si	1858EST ize hail fell in S	tovall on Hig	hway 15.	0	0		Hail (0.75)	
Franklin County			0	•					
Louisburg	20 Silver I	<b>1921EST</b> Dollar size hail	occurred 5 to	7 miles south c	0 of Louisburg of	0 on Highw	ay 401.	Hail (2.00)	
Durham County									
Bahama	20 The Du	1930EST rham county sh	eriff's departn	nent reported d	0 ime sized hai	0 1 in Baha	ma.	Hail (0.75)	
Franklin County		·		*					
9 E Louisburg	on Hwy							<b>Tornado (F1)</b> er small tornado just o ge. Numerous trees v	
Person County Moriah	20	1940EST			0	0		Hail (0.75)	
Chatham County Bennett to Siler City	20	1945EST			0	0		Hail (1.00)	
Chatham County	20	2000507			0	0			
Pittsboro		2000EST 1.00 inch hail 1 4 miles north				0 City in	western Chatham co	Hail (0.75) ounty at 1945 and 0.	75 inch hail was
Sampson County	20	2000ECT			0		5017		
Taylors Bridge	20 Two tu	2000EST 2230EST rkey houses and	l one manufac	ctured home we	0 ere damaged o	0 on Union	50K School Road near th	Thunderstorm the community of Tayl	. ,
Orange County Chapel Hill	<b>20</b> Dime si	2006EST zed hail was re	ported by Sky	warn on Highv	<b>0</b> vay 15-501 at	0 Smith Le	evel Road.	Hail (0.75)	
Hoke County Raeford	<b>20</b> Hoke co	2015EST ounty 911 repo	rted 1.00 inch	hail near Raef	<b>0</b> ord on Turnpi	0 ike and G	ainey Roads.	Hail (1.00)	
Durham County Durham	<b>20</b> Durhan	<b>2030EST</b> n Emergency M	lanagement re	ported quarter	0 sized hail nea	0 ar the Dur	ham and Orange co	Hail (1.00) unty line on I-85.	
Scotland County Wagram	<b>20</b> Dime h	2045EST ail was reported	d by Emergen	cy Managemer	0 nt Officials in	<b>0</b> Wagram		Hail (0.75)	
Harnett County Lillington	<b>20</b> Golfbal	<b>2110EST</b> Il sized hail occ	urred in Lillin	gton as reporte	0 d by Harnett	<b>0</b> 911.		Hail (1.75)	
Cumberland County Fayetteville	<b>20</b> Quarter	2118EST sized hail was	reported at C	edar Creek in F	<b>0</b> Fayetteville.	0		Hail (1.25)	
Orange County Hillsborough	20	2122EST			0	0		Hail (1.75)	

		Time	Path	Path	Numbe		Estim			March 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Person Killed	ns Injured	Dam Property	age Crops	Character of Storm	
NORTH CAROLINA	, Centi	ral								
W. G. A	Golfba	all sized hail f	ell in Hillsboi	ough reported b	oy Skywarn Ob	server.				
Vance County Henderson	20	2145EST	ŗ		0	0			Hail (0.75)	
fichuer son				orted by Skywa		Ū			Han (0.75)	
Durham County	20	2145EST	r.		0	0			H-: (1 00)	
Durham				th of Northern l			ported by a F	Raleigh Sl	Hail (1.00) xywarn Spotter.	
Wake County	• •		_							
Zebulon	20 Dime	2200EST sized hail fell		f Zebulon in eas	0 stern Wake cou	0 inty, repo	orted by Wak	e county :	Hail (0.75) sheriff.	
Edgecombe County								•		
Princeville	20 A mai	2250EST		najor damage di	0 ue to strong the	0 inderstor	15K m winds		Thunderstorm	Wind (G50)
NORTH CAROLINA				najor damage di	ac to strong the	mucrstor	in winds.			
NCZ093-095-098		en - Cartere	-							
	02	1130EST 1200EST			0	0			Ice Pellets	
	A brief			cross coastal re	gions covering	the grou	nd in some a	reas in Or	nslow county.	
<b>Duplin County</b>			_							
Wallace Lenoir County	09	0350EST	Ľ		0	0			Thunderstorm	Wind (G52)
10 W Kinston	09	0435EST	ſ		0	0			Thunderstorm	Wind (G52)
Pitt County					<u>^</u>					
Greenville	09 A squa	0500EST Il line passing		ern North Carol	0 ina produced v	0 vind gust	s to 60 mph i	n several	Thunderstorm locations. Trees we	
	across	highways in V	Vallace.		-	-	-			-
NCZ029-044>047-									tern Hyde - Dupl	in - Lenoir -
079>081-090>095-098- 103>104	Jones	- Craven -	Pamilco - C	Carteret - On	slow - Easter	rn Dare	e - Eastern	нуае		
	11 14	2300EST 2300EST			0	0		350K	Extreme Cold	
				crops caused by	several nights	with lov	v temperature	es in the l	ower 20s. Some far	mers reported 50
<b>D1</b>	to 64 p	ercent of their	r peach crop v	vas killed.						
Pitt County 3 W Greenville	20	2258EST	ŗ		0	0			Hail (0.75)	
Tyrrell County					Ū	Ū			(00,0)	
Columbia	21	0040EST		arter size hail ii	0 Columbia	0			Hail (1.00)	
NORTH CAROLINA				arter size nam n	i Columbia.					
	<u>, 12801 (</u>	ine ooun	<u>ii CSt</u>							
		E REPORTED	).							
NORTH CAROLINA	<u>, Nortl</u>	<u>n Coastal</u>								
Currituck County Corolla	21	0100EST	ſ		0	0			Hail (1.75)	
NORTH CAROLINA	, Nortl	nwest and	North Cer	<u>ntral</u>						
Ashe County			_							
Countywide	20	0730EST 0750EST			0	0	0		Thunderstorm	Wind
Ashe County										
1 NE Nathans Creek	20	0750EST 1200EST			0	0			Flash Flood	
Alleghany County		1200131	L							
3 S Sparta	20	0915EST			0	0			Flash Flood	
Alleghany County		1145EST	L							
1 S Cherry Lane	20	0930ES1			0	0			Flash Flood	
		1130EST	ſ							

Location	Date	Local/ I	Path Length Miles)	Path Width (Yards)	Numb Perso Killed		Estimated Damage Property Crop	s Character of Storm	March 1998
NORTH CAROLIN	A. North	west and Nor	th Centr	al		5			
Watauga County Boone	20	1100EST 1300EST		<u></u>	0	0	50K	Flash Flood	
Watauga County Boone	<b>20</b> Thunde	1125EST	e morning ho	ours on the 20	<b>0</b> )th produced	0 damaging	<b>5K</b> g winds, damaging	<b>Lightning</b> lightning, and flash floo	ding.
	Heavy	rainfall resulted in	the flooding	g of Nathans	Creek about	1 mile nor	theast of Nathans O	Creek in eastern Ashe C	ounty.
	to be re In Alle	escued from the top	o of a vehicl ush Creek w	e. In addition vas out of its	, the South F	ork of the	New River near B	a nearby shopping mall bone was out of its bank and Piney Swamp Cree	KS.
	Thunde	erstorm winds kno	cked down r	numerous tree	es throughout	Ashe Co	unty.		
	Lightni	ing damaged a hou	se in Boone						
Stokes County Walnut Cove	20	1458EST			0	0		Hail (0.75)	
Stokes County Pine Hall to 1.5 NNE Pine Hall	20	1514EST 1517EST	1.5	30	0	3	100K	Tornado (F1)	
Rockingham County 1 SW Mayodan to 3 NW Eden	<b>20</b> M80Pl	<b>1525EST</b> <b>1549EST</b> H, F24VE	12	300	2	27	34M	Tornado (F3)	
Rockingham County 3 NW Eden to 3 N Eden	20	1549EST 1554EST			0	0	20K	Thunderstorm	Wind
Rockingham County	20	1555EST			0	0		Hail (0.95)	
Madison		1610EST			0	0		Hail (0.88)	
Rockingham County Eden	20								
Rockingham County Eden Rockingham County 1 E Eden	20 20	1630EST			0	0		Hail (1.75)	
Rockingham County Eden Rockingham County 1 E Eden Caswell County Prospect Hill					0 0	0 0		Hail (1.75) Hail (1.25)	
Rockingham County Eden Rockingham County 1 E Eden Caswell County	20	1630EST					5K		

A supercell thunderstorm produced two tornadoes in North Carolina and a third one just over the Virginia border. The first tornado developed near Pine Hall in Stokes County around 314 PM EST and traveled northeast about 1.5 miles before dissipating around 317 PM EST. This small F1 tornado broke out windows, lifted a car off the ground, tore the roof off a house, damaged several mobile homes and toppled trees.

The second tornado developed one mile southwest of Mayodan around 325 PM EST and traveled to the northeast about 12 miles before dissipating about three miles northwest of Eden around 349 PM EST. This rather large F3 tornado damaged or destroyed 500 to 600 residences and damaged or destroyed nearly all businesses in Stoneville and some businesses in Mayodan. This tornado tossed a truck 60 feet, carried a cinder block and an empty boat trailer about a quarter mile and pushed a 25,000 pound fire truck about 60 feet. The tornado knocked out a 300 foot section of a wall and severely damaged the roof from a large building in Mayodan. Damage to this building was estimated at 25 million dollars. The tornado was generally 100 to 400 yards wide, but in one place was around 800 yards wide. Two people lost their lives and officially 27 were injured. The fatalities included an 80 year old woman who was pulled from his house southwest of Stoneville and tossed 500 feet in the air and a 24 year old woman who was in her car in Stoneville when the tornado to 20 injuries that were unreported as people drove themselves to the hospital or were driven by

	St	torm Da	ita and	l Unu	sual W	Veath	er Pher	ıom	ena
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Numl Pers Killed		Estimated Damage Property O		March 199 Character of Storm
NORTH CAROLINA	friends. materia	Cancelled chec l from Mayodan	ks and paper and Stonevill	s from Ston e were found	d at several lo	ocations ar	ound Martinsvil	le, Virg	n Huddleston, Virginia. In additic inia. tinued to the Virginia State lin
	Thunde	to half dollar siz	ocked down t	rees, damage	ed outbuildin				
ORTH CAROLINA	, South	Coastal							
Robeson County 1 E Lumberton	08	1438EST 1441EST	0.3	30	0	0	10K		Tornado (F0)
	POLIC TREES		TORNADO	TOUCH DC	OWN ON BE	ROAD RII	OGE RD, WHI	CH DA	MAGED BARNS AND DOWN
Robeson County 3 SE Lumberton to	08	1503EST	2	30	0	3	100K		Tornado (F1)
5 SE Lumberton		<b>1510EST</b> FF REPORTED QUINCY ROAD			,	OUT BUI	ILDINGS DAM	AGED,	TREES DOWNED ALONG RIG
Columbus County 3 S Cerro Gordo to 2.7 S Cerro Gordo	08	1610EST	0.3	30	0	0	20K		Tornado (F0)
		RNADO SNAPP OCCURRED W					D ROOFING, I	BARNS	AND UTILITY SHEDS. HEAV
Columbus County Nakina	<b>09</b> Dama	0250EST	FREES SNAI	PPED, AND	0	0	10K Vindows dai	MAGEI	<b>Thunderstorm Wind (G75)</b> D IN THE MANLY SMITH RO
Brunswick County Ash	09	<b>0305EST</b> IFF REPORTED			0	0			Thunderstorm Wind (G65)
Brunswick County Caswell Beach	<b>09</b> Oak I	0324EST Sland Coast	GUARD ST	ATION REI	<b>0</b> PORTED 67	0 MPH THI	UNDERSTORM	1 GUST	Thunderstorm Wind (G60)
Pender County	09	0342EST			0	0	5K		Thursdan Wind (C(4)
Watha to Burgaw		0355EST GUST REPORT	TED BY HAN	M RADIO SI	-	÷		E SNAI	Thunderstorm Wind (G64) PPED IN BURGAW DAMAGED
New Hanover County Castle Hayne to Wrightsville Beach	09	0345EST 0353EST			0	0	5K		Thunderstorm Wind (G60)
Robeson County Maxton	20	DERSTORM W <b>1742EST</b> FF REPORTED			0	0	2K		D A ROOF. Thunderstorm Wind (G60)
Robeson County Fairmont	20	2040EST	KOOF DAM	IAGE TO M	OBILE NON 0	0	GIIWAT 1510.		Hail (1.00)
Robeson County Proctorville									<b>Tornado (F1)</b> ATION AND SNAPPED A TR 1.25 INCH ALSO REPORTED.
Bladen County Bladenboro	20	2112EST 2115EST TER ALSO REP			0	0			Hail (0.75)

		Time Local/	Path Length	Path Width		nber of ersons	Estimated Damage	March 19
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property Crops	Character of Storm
NORTH CAROLINA	, South	nwest						
NCZ033-048>052- 058>059-062>064	•	on - Madison on - Transyl 0000EST	•	Mitchell - S	Swain - Hay 0	wood - G	raham - Northern	Jackson - Macon - Southerr Snow
	A weal	1200EST			vestern North	Carolina or		d temperatures were just cold end
NCZ033-053-058	03	- Buncomb 0000EST 1000EST			0	0		Snow
	produc	e another light						hovering around the freezing mar
NCZ033	Avery 10	0400EST 1200EST	og Doogh og	d Sugar Mour	0	0 1 2 to 2 inch	as of anous	Snow
NCZ033-050>052	-	levations such y - Mitchell - 1800EST 0000EST		-		0 0 0 0 0	es of show.	Snow
NCZ058	Graha 10 11	1800EST 0000EST			0	0		Heavy Snow
NCZ033-048>050- )52>053-055-058>059- )62>064	Lighter Avery	r amounts betw	veen 1 and 2 - Yancey -	inches fell in Mitchell - I	other parts of	the mounta	ins.	f Graham county during the even
	11 12	1600EST 0200EST			0	0		Snow
NCZ033-052-058	Avery 11	- Haywood 1800EST 2200EST	- Graham		0	0		Heavy Snow
		nowfall. A few						ditions accompanied a general 1 wood counties where 4 to 6 inche
Buncombe County Asheville to Weaverville	20	0925EST			0	0		Thunderstorm Wind (G50)
Avery County 15 S Newland	20	0945EST			0	0		Hail (0.75)
Caldwell County West Portion	20	1030EST 1200EST			0	0		Flood
Gaston County Belmont	20	1340EST			0	0		Hail (0.75)
Davie County Farmington	20	1415EST			0	0		Hail (1.75)
Mecklenburg County 5 S Charlotte	20	1427EST			0	0		Hail (0.88)
Mecklenburg County 5 S Charlotte Mecklenburg County	20	1427EST			0	0		Thunderstorm Wind (G50
Mint Hill Mecklenburg County	20	1442EST			0	0		Hail (2.00)
Mint Hill Davie County	20	1442EST	0.1	25	0	0		Tornado (F0)
Cooleemee Cabarrus County	20	1445EST			0	0		Hail (0.75)
4 SSE Harrisburg	20	1500EST			0	0		Hail (1.00)

		Time Local/	Path Length	Path Width	Number Person		Estima Dama			March 199
Location	Date	Standard	Length (Miles)	Width (Yards)		s Injured	Property	ge Crops	Character of Storm	
ORTH CAROLINA	. South	west								
NORTH DAKOTA, C	Deep lo western piedmor observe power li unknow well. A	w pressure r North Carol nt during the d by a woma ines. Hail up rn, but consid couple of roa	ina. Severe th mid-afternoor an in Mint Hil to 2 inches in lered very hig	understorms de n. Straight-line ll to briefly tou diameter did q h. Hail piled u	eveloped in a v wind damage uchdown in fro uite a bit of da p to a depth of	very unsta resulted ont of her mage - e f 2 feet i	able airmass in several do r stopped car specially in the n Pineville and	during the wned tree Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade Tornade T	hing a strong cold he morning in the n ees. A weak, short-1 lo damage was cont Hill area where doll rope funnel clouds he higher elevations	nountains and the ived tornado was fined to trees and lar amounts wer were observed
	NONE	REPORTED								
NORTH DAKOTA, E	<u>ast</u>									
NDZ006>008- 014>016-024-026>030-		er - Cavalie - Barnes - (		- Benson - I	Ramsey - Wa	lsh - Eo	ddy - Nelso	n - Gra	nd Forks - Grigg	gs - Steele -
038>039	13	0900CST 1200CST			0	0			Blizzard	
NDZ039-049-053	conditio visibiliti improve	g cold front ons. The fron ies were crea	moved south at moved quick ated as the wi- ake had a gust	kly from north	to south, driven he top crust of	n by a str f snow.	rong pressure After the ini	gradient	Minnesota, creating t, but dropped little t of intense wind, v	snow. Near zer
1102039-049-033	Cass - 15	0200CST 0900CST			0	0			Heavy Snow	
	•	snow fell acro county repo	oss southeast		• •	-	-		was light and fluffy es, and Alice in Cas	
NDZ053	Richla 31	1700CST			0	0			Heavy Snow	
DHIO, East	became Heavy s	nearly station snow fell acro	v fell as wrap- nary, extendin oss this line, w	g from southea	st Richland co	unty in N w on eith	North Dakota her side of the	to south line. T	ward the Great Lake ern Clearwater cour he snow finally let peton reported 7 inc	nty in Minnesot up around 10 ar
	NONE	REPORTED								
OHIO, North										
Knox County Countywide	09	0530EST 0545EST			0	0	3K		Thunderstorn	n Wind
Morrow County Countywide	09	0555EST 0610EST			0	0	3К		Thunderstorn	n Wind
Richland County Countywide	09	0600EST 0615EST			0	0	3К		Thunderstorn	n Wind
Ashland County Countywide	09	0615EST 0630EST			0	0	3К		Thunderstorn	n Wind
Holmes County Killbuck	<b>09</b>	0630EST 0647EST	,	d	0	0	3K		Thunderstorn	1 Wind
OHZ011-013>014-021			ga - Ashtab	a. ula - Summi	t O	0			Heavy Snow	

		Time Local/	Path Length	Path Width	Numbe Perso		Estimated Damage	March 1	1998
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property Crops	Character of Storm	
DHIO, North									
	days b roadw miles snow f	before tapering ays mainly we per hour at tir	off to a few et and travel nes on the 10 enerally range	snow showers. problems were oth, and diminis ed from six to e	Temperatures confined mair shed a bit each	near or ab ly to the 1 day, but	ove freezing each d night time and early drifting snow was a	ed on and off (mainly inland) for ay and the warm March sunshine morning hours. Winds gusted a problem throughout the event. at North Royalton (Cuyahoga Co	e kep l to 4 Tot
OHZ003	Lucas								
		0630EST 1315EST faumee River onfined to low	at Waterville	exceeded its fl	0 lood stage of n	0 ine feet ar	d crested at 9.8 fee	Flood t at 1300 EST on 03/10/98. Flo	oodin
OHZ014	Ashta 14	0400EST			0	0	30K	Heavy Snow	
	heavie	est snow occur	back side of rred during th		l midday. Sev			d by north winds off Lake Erie. ted at Pierpont. More than 15 t	
OHZ010-032	Lorai 14	n - Stark 0600EST			0	0	20K	High Wind (G52)	
			iles per hour	was reported at house in Lorai		ark County	). Winds gusting to	o 60 miles per hour downed an 80	0 foc
Erie County									
Sandusky to Vermillion	20 21	2300EST 2200EST			0	0	100K	Storm Surge	
Lorain County Lorain to	20	2300EST			0	0	50K	Storm Surge	
Avon Lake Lucas County	21	2200EST							
Toledo to Reno Beach	20 21	2300EST 2200EST			0	0	100K	Storm Surge	
Ottawa County Port Clinton to Marblehead	20 21	2300EST 2200EST			0	0	100K	Storm Surge	
Sandusky County									
Kingsway to Clyde	20 21	2300EST 2200EST			0	0	100K	Storm Surge	
	(Lucas streets inland	County) was were flooded in some areas	seven feet al around Sandu In Sandusky	oove low water isky Bay (Ottav	datum. This wa, Sandusky, rie), several str	combinati Erie) and I reets were	on resulted in majo Maumee Bay (Luca flooded. At Beachy	Erie. Also, the water level at To or flooding and beach erosion. It s) and flooding had progressed fiv wood Cove in Huron, the 30 foot	Many furthe
OHZ009	Erie 21	0100EST			0	0		Flood	
		oon communi	Milan exceed		-			5 EST on 03/21/98. Flooding occ being completely surrounded by	
OHZ003	Lucas 22 22	0600EST			0	0		Flood	
		0200EST faumee River onfined to low	at Waterville	exceeded its fl	ood stage of n	ine feet ar	d crested at 9.4 fee	t at 0726 EST on 03/22/98. Flor	oodin
OHZ011	Cuyal								
	27	1500EST	•		1	0	2K	High Wind	

		Time	Path	Path	Numbe		Estimated	March 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Perso Killed	ns Injured	Damage Property Crops	Character of Storm
<u>OHIO, North</u>								
OHZ009>014-	Erie -	Lorain - C	'uvahoga - ]	Lake - Geaug	a - Ashtahul	a - Hur	on - Medina - Sun	ımit - Portage - Trumbull -
019>023-028>033-038				and - Wayne				
	28	0930ES			0	0	305K	High Wind
	_	1550ES						
	0		-	1				on vehicles and houses. One tree fell
				County); one of Township (Way		villoughb	y (Lake); and the roo	f was blown off a mobile home near
Ottawa County	Sinuiv	ine western	Ku. III wayik	e Township (wa	yne).			
Elmore	28	1200ES	т		0	0	5K	Thunderstorm Wind
Emore	-0	1230ES			Ū	Ū	chi (	Thunderstorm white
	Numer	rous large lin	nbs were dow	ned.				
Sandusky County								
Green Spgs	28	1230ES			0	0	15K	Thunderstorm Wind
	D	1300ES'		· · · · · · · · · · · · · · · · · · ·		1 ¹ 1		4
a a .	Power	poles and po	ower lines wer	re downed in Gre	en Springs. L	arge limb	s were downed in Lir	idsey.
Seneca County	20	120050	т		0	0	1017	
Tiffin	28	1300ES' 1330ES'			0	0	10K	Thunderstorm Wind
	Trees	were downed						
Huron County								
Countywide	28	1310ES	Г		0	0	20K	Thunderstorm Wind
<b>-</b>		1330ES	Г					
	Trees	and power po	oles were dow	ned.				
Erie County								
Castalia	28	1330ES			0	0	20K	Thunderstorm Wind
	Talank	1400ES	r er poles were	downed				
OIIIO Nonthweat	reiepi	ione and pow	er poles were	downed.				
OHIO, Northwest								
Defiance County	20	1046ES	т		0	0	3K	
Hicksville	28 trees b			royed in Hicksvi	0 Ile	0	эк	Thunderstorm Wind
	uces o	lown down v	and shed dest		iic.			
Henry County								
Liberty Center	28	1117ES	г		0	0	0.50K	Thunderstorm Wind
Enserty Center		lown down in			Ū	Ū	010 011	
Henry County								
Holgate	28	1127ES	Т		0	0		Thunderstorm Wind (G53)
	trees b	lown down ii	n town.					
Fulton County								
Archbold	28	1130ES			0	0	1K	Thunderstorm Wind
	trees a	nd power line	es down.					
<u>OHIO, Southeast</u>								
OHZ066>067-	Perry	- Morgan	- Athens - V	Washington -	Jackson - V	inton - I	Meigs - Gallia - La	wrence
075>076-083>087								
	10	0600ES			0	0		Cold
	13 The co	0900ES		r was delayed u	til March for	couthoast	Ohio High temper	tures were only in the 20s. Morning
				were common.	itil March 101	sourcasi	onio. mgn tempera	autes were only in the 20s. Worning
OHZ066>067-		•	-		Iackson - V	inton - 1	Meigs - Gallia - La	wrence
075>076-083>087	I CITY	1101 gall		- asimgton -	Sachoul - V		Trigo Gama - Da	
	26	1200ES	Т		0	0		Record Warmth
	31	2100ES	Г					
	An unu	isually long s	tretch of early	y spring heat last	ed 6 consecuti	ve days.	Afternoon temperatur	res were in the 80s.
<b>OHIO, Southwest</b>								
Paulding County								
Antwerp	28	1040ES			0	0	3K	Thunderstorm Wind (G50)
	Severa	l trees downe	ed.					

		Time Local/	Path Length	Path Width	Numbe Perso		Estim Dam		March 1
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm
OKLAHOMA, Easte	ern								
Tulsa County									
(Tul)Tulsa Intl Arpt	01 31	0001CST 2359CST			0	0			Heavy Rain
	March	n rainfall at the		national Airport 1922 with 11.9				e third we	ettest March on record. The onl
Tulsa County									
Bixby	07	0730CST			0	0			Hail (0.75)
Latimer County	07	1140.007			٥	0	0.50K		
Wilburton	07 Tree 1	1140CST imbs down on j	ower lines		0	0	0.50K		Thunderstorm Wind
Mayes County									
Countywide	07	1200CST			0	0			Flash Flood
·	<b>C</b> 1.	1600CST			11.45				
	City p	oark, low-water	bridges, and	streets flooded	around 1:45 p	m.			
Rogers County Countywide	07	1200CST			0	0			Flash Flood
Countywhee	07	1200CS1 1600CST			U	U			Flash Flood
	Low-v		ooded in Tal	ala around 3:40	pm.				
Tulsa County									
Countywide	07	1200CST			0	0			Flash Flood
	Road	1600CST closed at Game	tt and New	Orleans from cr	eek overflow :	around 3.3	30 nm		
Le Flore County	Road			offeans from er		around 5.	oo pin.		
Poteau	07	1430CST			0	0	0.10K		Thunderstorm Wind
		tree limb down	ned by wind						
Le Flore County									
4 E Cameron	07	1444CST			0	0			Hail (0.75)
Sequoyah County									
Sallisaw	07	1448CST			<b>0</b>	0	4	Manala 7	Thunderstorm Wind (G5
									producing a wide variety of we h widespread rainfall amounts o
									were under water. Further south
	severe	thunderstorms	developed o	over Sequoyah a	nd Leflore Co	unties dur	ing the mid-	afternoon	before moving east into Arkans
Pittsburg County									
3 NE Mc Alester	19 I	0050CST			0	0	3K		Thunderstorm Wind
Dushaastaha Camuta	Large	radio tower blo	own over						
Pushmataha County 5 SW Clayton	19	0110CST			0	0	0.50K		Thunderstorm Wind
5 SW Clayton		blown off of a b	barn		0	U	0.501		Thunderstorm wind
Le Flore County									
3 SE Talihina	19	0210CST			0	0			Hail (0.75)
Le Flore County									
3 SE Talihina	19	0210CST			0	0			Thunderstorm Wind (G5
Sequoyah County	4.6				~	~			
Muldrow	19	0235CST			0	0			Hail (0.75)
Sequoyah County	10	0005000			•	•	0 1077		There a 1
Muldrow	19 Large	0235CST tree limbs blov	n down		0	0	0.10K		Thunderstorm Wind
	0			ross southern C	klahoma duri	ng the eve	ening of Ma	rch 18 an	d during the early morning of N

Low pressure moved eastward across southern Oklanoma during the evening of March 18 and during the early morning of March 19. A broken line of severe thunderstorms developed over southeast Oklahoma just in advance of the low pressure system. The thunderstorms reached severe levels as they moved across Pittsburg and Pushmataha Counties between midnight and 1 AM. Then the storms weakened below severe limits as they travelled across Haskell and Latimer Counties between 1 and 2 AM. The storms strengthened again as they passed through Le Flore and Sequoyah Counties after 2 AM. The storms moved into Arkansas around 245 AM.

		Time Local/	Path Length	Path Width	Numbe Persor		Estimated Damage	March 19
Location	Date	Standard	(Miles)	(Yards)		Injured	Property Crops	Character of Storm
OKLAHOMA, Easte	<u>ern</u>							
OKZ049-053>076	Delaw	vare - Creek	- Okfuskee	e - Okmulgee				wnee - Tulsa - Rogers - Mayes skogee - Mcintosh - Sequoyah
	Pittsb 27	ourg - Haske 0700CST 1300CST		r - Le Flore	0	0	24.5K	High Wind
	develop shower up to t over 45 Adair	rerful spring st ped across eas rs themselves v wo hours in ac 5 miles an hou	orm system r tern Oklahon vere non-seve lvance of the r. Gusts of 50	ha during the mere and did not of showers, wides to 60 miles an	orning in adva even produce of spread gradien hour were no	ance of, b cloud-to-g t winds w t uncomm	ut not in direct asso- ground lightning unti- vere sustained above ion. One report of a	farch 27. High winds from the sou ciation with, a band of showers. (T 1 they moved east into Arkansas). I 30 miles an hour with frequent gu 75 mph gust came in from Stilwell e48 mph, McAlester46 mph, a
	at 42nd About off of a the mo	d and Riversid the same time a church in Sap	<ul> <li>At 900 arr the mesonet oulpa in Creel</li> </ul>	a, mobile homes site at Okemah & County. A ho	s were damage a reported a wi use roof was d	ed and a b ind gust o lamaged i	illboard was blown f 50 miles an hour. n Henryetta in Okm	, a tree was blown down in west Tu down at Bearden in Okfuskee Cour Around 900 am, a steeple was blov ulgee County around 915 am. Later and a wood-frame carport was blo
Osage County Shidler	30	1500CST			0	0		Hail (0.75)
Osage County Pawhuska	30	1612CST			0	0		Hail (1.00)
Osage County Pawhuska	30	1620CST			0	0		Hail (1.00)
Creek County Sapulpa	30	1724CST			0	0		Hail (0.88)
Pittsburg County Canadian	30	1814CST			0	0		Hail (0.75)
Mcintosh County 4 WNW Eufaula	<b>30</b> 62 mp	1815CST h tstm gust me		lahoma mesone	0 t site.	0		Thunderstorm Wind (G54)
Pittsburg County Indianola	30	1816CST			0	0		Hail (0.75)
Pittsburg County Canadian	30	1820CST			0	0		Hail (1.00)
Mcintosh County Eufaula	30	1824CST			0	0		Thunderstorm Wind (G52)
Muskogee County 5 S Muskogee	30	1844CST			0	0		Thunderstorm Wind (G52)
Muskogee County Warner	30	1846CST			0	0		Hail (0.88)
Muskogee County 1 NE Warner	30	1855CST			0	0		Funnel Cloud
Muskogee County Keefeton	30	1900CST			0	0		Hail (0.88)
Pittsburg County Quinton	30	1900CST			0	0		Hail (1.00)
Pushmataha County Moyers	30	1900CST			0	0		Hail (1.00)
Haskell County Stigler	30	1910CST			0	0		Hail (1.00)
Cherokee County 8 S Tahlequah	30	1912CST			0	0		Hail (0.75)
Sequoyah County Vian	30	1920CST			0	0		Hail (0.88)

		Time Local/	Path Length	Path Width		ber of	Estima Dama		March 1998
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm
OKLAHOMA, Easte	<u>rn</u>								
Cherokee County									
Tahlequah	30	1928CST			0	0			Thunderstorm Wind (G52)
Haskell County									
Tamaha	30	1930CST			0	0			Hail (0.75)
Pushmataha County		10000000			0				
Clayton	30	1930CST			0	0			Hail (0.75)
Sequoyah County	20	1931CST	•		0	0			
1 SW Sallisaw	30 Car bl	lown off Inters			0	0			Thunderstorm Wind (G52)
Muskogee County	Cui U	lown on mens							
Braggs	30	1932CST			0	0			Hail (0.75)
Muskogee County									()
Braggs	30	1932CST			0	0			Thunderstorm Wind (G61)
Adair County									
Proctor	30	1940CST			0	0			Thunderstorm Wind (G52)
Sequoyah County									
Gans	30	1950CST			0	0	0.10K		Thunderstorm Wind
	Severa	al large tree lin	nbs down						
Pushmataha County									
Cloudy	30	2000CST			0	0			Hail (0.88)
Ottawa County			_						
3 SE Quapaw	30 Cor bl	2010CST lown off Will H		ika	0	0			Thunderstorm Wind (G50)
L a Elana Carrata	Cai Di		Cogers Turnp	ike					
Le Flore County Spiro	30	2016CST	۰		0	0			Thunderstorm Wind (G52)
Delaware County	50	2010051			U	U			Thunderstorm wind (G32)
8 ENE Grove	30	2020CST	•		0	0	0.50K		Thunderstorm Wind
o had Givit		r pole snapped			0	v	0.001		
Le Flore County									
5 SW Wister	30	2025CST			0	0			Hail (0.75)
Le Flore County									
Wister	30	2045CST			0	0			Hail (0.88)

A wave of low pressure and a cold front moving across Oklahoma brought a solid line of thunderstorms to all of eastern Oklahoma on the afternoon and evening of March 30. While the line covered the entire north-south length of eastern Oklahoma, the vast majority of the severe weather remained to the south of Hwy. 412. Bow echo signatures appeared along the line in eastcentral Oklahoma. Rotation was indicated at the north end of the bow echo as it moved from near Eufaula to the Arkansas state line at West Siloam Springs. Quite a few reports of severe tstm winds and funnel clouds were common with this part of the line, but there were no known tornado touchdowns in Oklahoma.

#### **OKLAHOMA**, Extreme Southeast

Mccurtain County					
Tom	05	1518CST	0	0	Hail (1.75)
	Repor	ts of golf ball size hail received from Ida	bel Sheriffs Offic	e.	
Mccurtain County					
Tom	05	1524CST	0	0	Hail (0.75)
	Repor	t received from Skywarn spotter.			
Mccurtain County					
Tom	05	1533CST	0	0	Hail (1.75)
Mccurtain County					
Pickens	30	2025CST	0	0	Hail (0.75)
<b>OKLAHOMA</b> , Pan	<u>handle</u>				
OKZ001>003	Cima	rron - Texas - Beaver			
	07	1700CST	0	0	Blizzard
	08	0600CST			

A low pressure system in the upper levels of the atmosphere over the Texas South Plains along with very cold and moist air across the Oklahoma Panhandle produced blizzard conditions with sustained wind speeds of 35 mph to 40 mph and visibilities near zero. Snowfall amounts ranged from one to three inches across Beaver county to four to six inches across Texas and Cimarron counties. Roads and highways were closed during the blizzard Saturday night through Sunday morning.

				,			er Phenon		
		Time Local/	Path Length	Path Width	Number Persor		Estimated Damage		March 199
location	Date	Standard	(Miles)	(Yards)		Injured	Property Crops	Character of Storm	
<u> KLAHOMA, Panl</u>	<u>nandle</u>								
OKZ002	Texas				0	0			
	16 17	1200CST 0000CST			0	0		Heavy Snow	
	A low p	pressure syster						d for much colder and	
	1			lahoma Panhano ways in and arc			•	ere in the four to six	and a half ind
OKZ001>003	-	rron - Texas	-	Iways III and are	Juliu Ouyilioli	were cross	<i>.</i>		
	18	2200CST			0	0		Heavy Snow	
	19 A strop	1000CST		ha uppar atmos	ahara mayad a	aross the "	Taxas and Oklahoms	Donhondlog ushoring	in much cold
								Panhandles ushering n system ranged fron	
						s across T	exas and Cimarron c	ounties. Several road	ls and highwa
Tana Carrata	in and a	around Guymo	on were close	d due to the hea	vy snow.				
Texas County 1 W Hooker	26	2210CST			0	0		Thunderstorm	Wind (G55)
		2215CST							
Texas County	24	2225097			٥	0			
2 E Goodwell Texas County	26	2225CST			0	0		Thunderstorm `	wind (G51)
1 W Hooker	26	2245CST			0	0		Thunderstorm	Wind (G50)
			s moving th	rough the cent	ral Oklahoma	Panhand	le produce high wi	nds as measured by	the Oklahon
Beaver County	Mesone	etwork.							
Beaver	29	2328CST			0	0		Hail (1.00)	
Beaver	A sever	re thunderstorr	n produced l	arge hail across	0 the eastern Ok		anhandle during the l	Hail (1.00) ate evening hours.	
Beaver OKLAHOMA, West	A sever	re thunderstorr	n produced l	arge hail across	0 the eastern Ok		anhandle during the l		
Beaver DKLAHOMA, West Bryan County	A sever tern, Cer	re thunderstorr ntral and S	n produced 1 outheast	arge hail across		lahoma Pa	anhandle during the l	ate evening hours.	
Beaver <u> <b>)KLAHOMA, West</b></u> Bryan County 1 SE Colbert	A sever	re thunderstorr	n produced 1 outheast	arge hail across	0 the eastern Ok 0		anhandle during the l		
Beaver DKLAHOMA, West Bryan County	A sever tern, Cer	re thunderstorr ntral and S	n produced l outheast	arge hail across		lahoma Pa	anhandle during the l	ate evening hours.	
Beaver <u>DKLAHOMA, West</u> Bryan County 1 SE Colbert Bryan County 3 E Roberta Comanche County	A sever tern, Cer 06 06	re thunderstorr ntral and S 2055CST 2130CST	n produced l outheast	arge hail across	0 0	lahoma Pa 0 0	anhandle during the l	ate evening hours. Hail (0.75) Hail (1.00)	
Beaver DKLAHOMA, West Bryan County 1 SE Colbert Bryan County	A sever <u>tern, Cer</u> 06 06 07	re thunderstorr ntral and S 2055CST 2130CST 0340CST	n produced l <u>outheast</u>	-	0	lahoma Pa 0	anhandle during the l	ate evening hours. Hail (0.75)	
Beaver DKLAHOMA, West Bryan County 1 SE Colbert Bryan County 3 E Roberta Comanche County 6 E Lawton	A sever <u>tern, Cer</u> 06 06 07	re thunderstorr ntral and S 2055CST 2130CST	n produced l <u>outheast</u>	-	0 0	lahoma Pa 0 0	anhandle during the l	ate evening hours. Hail (0.75) Hail (1.00)	
Beaver DKLAHOMA, West Bryan County 1 SE Colbert Bryan County 3 E Roberta Comanche County 6 E Lawton	A sever tern, Cer 06 06 07 3/4 incl 07	re thunderstorr ntral and S 2055CST 2130CST 0340CST h hail covered 0504CST	n produced l outheast the ground a	-	0 0	lahoma Pa 0 0	anhandle during the l	ate evening hours. Hail (0.75) Hail (1.00)	
Beaver DKLAHOMA, Wess Bryan County 1 SE Colbert Bryan County 3 E Roberta Comanche County 6 E Lawton Oklahoma County Oklahoma City	A sever tern, Cer 06 06 07 3/4 inc: 07 at I-44	re thunderstorr ntral and S 2055CST 2130CST 0340CST h hail covered 0504CST and NW 10th	n produced l outheast the ground a	-	0 0 0	lahoma Pa 0 0 0	anhandle during the l	ate evening hours. Hail (0.75) Hail (1.00) Hail (0.75)	
Beaver DKLAHOMA, West Bryan County 1 SE Colbert Bryan County 3 E Roberta Comanche County 6 E Lawton Oklahoma County	A sever tern, Cer 06 06 07 3/4 inc: 07 at I-44 Logan	re thunderstorr ntral and S 2055CST 2130CST 0340CST h hail covered 0504CST and NW 10th	n produced l outheast the ground a St.	-	0 0 0	lahoma Pa 0 0 0		ate evening hours. Hail (0.75) Hail (1.00) Hail (0.75) Hail (0.75)	
Beaver DKLAHOMA, Wess Bryan County 1 SE Colbert Bryan County 3 E Roberta Comanche County 6 E Lawton Oklahoma County Oklahoma City	A sever tern, Cer 06 06 07 3/4 inc: 07 at I-44 Logan 16 19	re thunderstorr ntral and S 2055CST 2130CST 0340CST h hail covered 0504CST and NW 10th 1800CST 1800CST	n produced l outheast the ground a St.	t KSWO TV	0 0 0 0	lahoma Pa 0 0 0 0	75K	ate evening hours. Hail (0.75) Hail (1.00) Hail (0.75) Hail (0.75) Flood	
Beaver DKLAHOMA, Wess Bryan County 1 SE Colbert Bryan County 3 E Roberta Comanche County 6 E Lawton Oklahoma County Oklahoma City	A sever tern, Cer 06 06 07 3/4 inc: 07 at I-44 Logan 16 19 A slow	re thunderstorr ntral and S 2055CST 2130CST 0340CST h hail covered 0504CST and NW 10th 1800CST 1800CST -moving storn	n produced l outheast the ground a St.	tt KSWO TV duced heavy ra	0 0 0 0 0 iinfall over mu	lahoma Pa 0 0 0 0 0 0 0 0 0	<b>75K</b> thwest Oklahoma ar	ate evening hours. Hail (0.75) Hail (1.00) Hail (0.75) Hail (0.75) Flood ad western North Tex	-
Beaver DKLAHOMA, Wess Bryan County 1 SE Colbert Bryan County 3 E Roberta Comanche County 6 E Lawton Oklahoma County Oklahoma City	A sever tern, Cer 06 06 07 3/4 inc: 07 at I-44 Logan 16 19 A slow central,	re thunderstorr ntral and S 2055CST 2130CST 0340CST h hail covered 0504CST and NW 10th 1800CST 1800CST -moving storm and southeast	n produced l outheast the ground a St.	tt KSWO TV duced heavy ra luring mid Marc	0 0 0 0 iinfall over mu ch. Precipitatio	lahoma Pa 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<b>75K</b> thwest Oklahoma ar etween 3 and 6 inche	ate evening hours. Hail (0.75) Hail (1.00) Hail (0.75) Hail (0.75) Flood ad western North Tex	ng the three-d
Beaver DKLAHOMA, Wess Bryan County 1 SE Colbert Bryan County 3 E Roberta Comanche County 6 E Lawton Oklahoma County Oklahoma City	A sever tern, Cer 06 06 07 3/4 incl 07 at I-44 Logan 16 19 A slow central, period o stage w	re thunderstorr ntral and S 2055CST 2130CST 0340CST 0340CST and NW 10th 1800CST -moving storn and southeast of March 15- vere recorded	n produced l outheast the ground a St. Oklahoma o -17, 1998. <i>A</i> at 28 foreca	tt KSWO TV duced heavy ra huring mid Marc as a result, mine st points and 9	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	lahoma Pa 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<b>75K</b> thwest Oklahoma ar etween 3 and 6 inche occurred over a wic	ate evening hours. Hail (0.75) Hail (1.00) Hail (0.75) Hail (0.75) Flood ad western North Tex	ng the three-d ests above flo
Beaver DKLAHOMA, Wess Bryan County 1 SE Colbert Bryan County 3 E Roberta Comanche County 6 E Lawton Oklahoma County Oklahoma City	A sever tern, Cer 06 06 07 3/4 incl 07 at I-44 Logan 16 19 A slow central, period o stage w	re thunderstorr ntral and S 2055CST 2130CST 0340CST 0340CST and NW 10th 1800CST -moving storn and southeast of March 15- vere recorded	n produced l outheast the ground a St. Oklahoma o -17, 1998. <i>A</i> at 28 foreca	tt KSWO TV duced heavy ra during mid Maro as a result, mino	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	lahoma Pa 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<b>75K</b> thwest Oklahoma ar etween 3 and 6 inche occurred over a wic	ate evening hours. Hail (0.75) Hail (1.00) Hail (0.75) Hail (0.75) Flood ad western North Tex es were recorded durin despread area, and creating	ng the three-d ests above flo
Beaver DKLAHOMA, Wess Bryan County 1 SE Colbert Bryan County 3 E Roberta Comanche County 6 E Lawton Oklahoma County Oklahoma City	A sever tern, Cer 06 06 07 3/4 incl 07 at I-44 Logan 16 19 A slow central, period of stage w northwo	re thunderstorr htral and S 2055CST 2130CST 0340CST h hail covered 0504CST and NW 10th 1800CST 1800CST -moving storm , and southeast of March 15- vere recorded est portions of	n produced l outheast the ground a St. Oklahoma o Oklahoma d	tt KSWO TV duced heavy ra during mid Marc sa result, mine st points and 9 id not incur floo	0 0 0 0 infall over mu ch. Precipitatio or to moderate data points i oding during th	lahoma Pa 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<b>75K</b> thwest Oklahoma ar etween 3 and 6 inche occurred over a wic man hydrologic ser	ate evening hours. Hail (0.75) Hail (1.00) Hail (0.75) Hail (0.75) Flood ad western North Tex es were recorded durin despread area, and creating	ng the three-d ests above flo vest-central a
Beaver DKLAHOMA, Wess Bryan County 1 SE Colbert Bryan County 3 E Roberta Comanche County 6 E Lawton Oklahoma County Oklahoma City	A sever tern, Cer 06 06 07 3/4 incl 07 at I-44 Logan 16 19 A slow central, period of stage w northwo A secon	re thunderstorr ntral and S 2055CST 2130CST 0340CST 0340CST h hail covered 0504CST and NW 10th 1800CST 1800CST -moving storm and southeast of March 15- vere recorded est portions of nd round of sh	n produced l outheast the ground a St. : Oklahoma d Oklahoma d owers and th	duced heavy ra luring mid Marc sa result, mine st points and 9 id not incur floo	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	lahoma Pa 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<b>75K</b> thwest Oklahoma ar etween 3 and 6 inche occurred over a wic man hydrologic ser	ate evening hours. Hail (0.75) Hail (1.00) Hail (0.75) Hail (0.75) Flood the western North Texy es were recorded during tespread area, and creations wice area. Only the way	ng the three-d ests above flo vest-central a
Beaver DKLAHOMA, Wess Bryan County 1 SE Colbert Bryan County 3 E Roberta Comanche County 6 E Lawton Oklahoma County Oklahoma City	A sever tern, Cer 06 06 07 3/4 incl 07 at I-44 Logan 16 19 A slow central, period of stage w northwo A secon hours o	re thunderstorr ntral and S 2055CST 2130CST 0340CST 0340CST h hail covered 0504CST and NW 10th 1800CST -moving storm and southeast of March 15- vere recorded est portions of nd round of sh of the 19th. Pro-	n produced l outheast the ground a St. St. Oklahoma o cOklahoma d owers and th ecipitation to	duced heavy ra duced heavy ra during mid Mara sa result, mino st points and 9 id not incur floc understorms mo tals between 1 a	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	lahoma Pa 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<b>75K</b> thwest Oklahoma ar etween 3 and 6 inche occurred over a wic man hydrologic ser uring the late evening uce secondary crests	ate evening hours. Hail (0.75) Hail (1.00) Hail (0.75) Hail (0.75) Flood ad western North Tex s were recorded during tespread area, and creations vice area. Only the way s hours of the 18th and on some rivers.	ng the three-d ests above flo vest-central a d early morni
Beaver DKLAHOMA, Wess Bryan County 1 SE Colbert Bryan County 3 E Roberta Comanche County 6 E Lawton Oklahoma County Oklahoma City	A sever tern, Cer 06 06 07 3/4 incl 07 at I-44 Logan 16 19 A slow central, period of stage w northwo A secon hours o	re thunderstorr ntral and S 2055CST 2130CST 0340CST 0340CST h hail covered 0504CST and NW 10th 1800CST 1800CST -moving storm and southeast of March 15- vere recorded est portions of nd round of sh of the 19th. Pro-	n produced l outheast the ground a St. St. Oklahoma o Oklahoma d owers and th ecipitation to ts occurred b	duced heavy ra duced heavy ra during mid Mara sa result, mino st points and 9 id not incur floc understorms mo tals between 1 a	0 0 0 0 0 infall over mu ch. Precipitatio or to moderate 0 data points i oding during th oved through t und 2 inches he 16 and March	lahoma Pa 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<b>75K</b> thwest Oklahoma ar etween 3 and 6 inche occurred over a wic man hydrologic ser uring the late evening uce secondary crests	ate evening hours. Hail (0.75) Hail (1.00) Hail (0.75) Hail (0.75) Flood the western North Texy es were recorded during tespread area, and creations wice area. Only the way	ng the three-d ests above flo vest-central a d early morni
Beaver DKLAHOMA, Wess Bryan County 1 SE Colbert Bryan County 3 E Roberta Comanche County 6 E Lawton Oklahoma County Oklahoma City	A sever tern, Cer 06 06 07 3/4 incl 07 at I-44 Logan 16 19 A slow central, period of stage w northwo A secon hours o Most of CST on The mo	re thunderstorr ntral and S 2055CST 2130CST 0340CST 0340CST h hail covered 0504CST and NW 10th 1800CST 1800CST -moving storm, and southeast of March 15- vere recorded est portions of nd round of sh of the 19th. Pro- f the river cress n March 15 and ost significant	n produced l outheast the ground a St. St. Oklahoma d iOklahoma d iOklahoma d owers and th ecipitation to the occurred h d as late as 1 flooding oc	duced heavy ra duced heavy ra luring mid Marc sa result, minu st points and 9 id not incur floc understorms mo tals between 1 a between March 1 1 p.m. CST on N	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	lahoma Pa 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<b>75K</b> thwest Oklahoma ar etween 3 and 6 inche occurred over a wic man hydrologic ser tring the late evening uce secondary crests stages were exceede	ate evening hours. Hail (0.75) Hail (1.00) Hail (0.75) Hail (0.75) Flood ad western North Tex s were recorded during tespread area, and creations vice area. Only the way s hours of the 18th and on some rivers.	ng the three-d ests above flo west-central a d early morni s early as 8 p.
Beaver DKLAHOMA, Wess Bryan County 1 SE Colbert Bryan County 3 E Roberta Comanche County 6 E Lawton Oklahoma County Oklahoma City	A sever tern, Cer 06 06 07 3/4 incl 07 at I-44 Logan 16 19 A slow central, period of stage w northwo A secon hours o Most of CST on The mo	re thunderstorr ntral and S 2055CST 2130CST 0340CST 0340CST h hail covered 0504CST and NW 10th 1800CST 1800CST -moving storm, and southeast of March 15- vere recorded est portions of and round of sh of the 19th. Pro-	n produced l outheast the ground a St. St. Oklahoma d iOklahoma d iOklahoma d owers and th ecipitation to the occurred h d as late as 1 flooding oc	duced heavy ra duced heavy ra luring mid Marc sa result, minu st points and 9 id not incur floc understorms mo tals between 1 a between March 1 1 p.m. CST on N	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	lahoma Pa 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<b>75K</b> thwest Oklahoma ar etween 3 and 6 inche occurred over a wic man hydrologic ser tring the late evening uce secondary crests stages were exceede	ate evening hours. Hail (0.75) Hail (1.00) Hail (0.75) Hail (0.75) Hail (0.75) Flood Ad western North Tex as were recorded during the spread area, and creations areasing the second provide area. Only the second g hours of the 18th and on some rivers. d at some locations as	ng the three-d ests above flo west-central a d early morni s early as 8 p.
Beaver DKLAHOMA, Wess Bryan County 1 SE Colbert Bryan County 3 E Roberta Comanche County 6 E Lawton Oklahoma County Oklahoma City	A sever tern, Cer 06 06 07 3/4 incl 07 at I-44 Logan 16 19 A slow central, period of stage w northwo A secon hours o Most of CST on The more	re thunderstorr ntral and S 2055CST 2130CST 0340CST 0340CST h hail covered 0504CST and NW 10th 1800CST 1800CST -moving storm and southeast of March 15- vere recorded est portions of nd round of sh of the 19th. Pro- f the river cress h March 15 and ost significant ed at some sites	n produced l outheast the ground a St. St. Oklahoma d Oklahoma d Oklahoma d owers and th eccipitation to the occurred h d as late as 1 flooding oc s.	duced heavy ra duced heavy ra during mid Marc as a result, mind st points and 9 id not incur floc nunderstorms mo tals between 1 a between March 1 p.m. CST on N curred in southy	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	lahoma Pa 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<b>75K</b> thwest Oklahoma ar etween 3 and 6 inche occurred over a wio man hydrologic ser uring the late evening uce secondary crests stages were exceede crests of between 5	ate evening hours. Hail (0.75) Hail (1.00) Hail (0.75) Hail (0.75) Hail (0.75) Flood Ad western North Tex as were recorded during the spread area, and creations areasing the second provide area. Only the second g hours of the 18th and on some rivers. d at some locations as	ng the three-d ests above flo west-central a d early morni s early as 8 p. ood stage we
Beaver DKLAHOMA, Wess Bryan County 1 SE Colbert Bryan County 3 E Roberta Comanche County 6 E Lawton Oklahoma County Oklahoma City	A sever tern, Cer 06 06 07 3/4 incl 07 at I-44 Logan 16 19 A slow central, period of stage w northwo A secon hours o Most of CST on The more recorde Some of Kingfis	re thunderstorr ntral and S 2055CST 2130CST 0340CST 0340CST h hail covered 0504CST and NW 10th 1800CST 1800CST -moving storm and southeast of March 15- vere recorded est portions of nd round of sh of the 19th. Pro- f the river cress 1 March 15 and ost significant ed at some sites of the major mainter and sher, Mud, and	n produced l outheast the ground a St. St. Oklahoma d owers and th ecipitation to the soccurred h d as late as 1 flooding oc s. rivers and c l Muddy Bo	duced heavy ra duced heavy ra huring mid Marc as a result, mind st points and 9 id not incur floc nunderstorms mo tals between 1 a between March 1 1 p.m. CST on 1 curred in southware reeks which flo pggy Creeks, D	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	lahoma Pa 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<b>75K</b> thwest Oklahoma ar etween 3 and 6 inche occurred over a wio man hydrologic ser uring the late evening uce secondary crests stages were exceede crests of between 5 lude the Clear Bogg Blue, Canadian, Chil	ate evening hours. Hail (0.75) Hail (1.00) Hail (0.75) Hail (0.75) Flood ad western North Tex es were recorded durin lespread area, and creations wice area. Only the variation of the 18th and on some rivers. d at some locations as and 10 feet above fl	ng the three-costs above flowest-central and dearly mornal and early as 8 p. ood stage word stage word flowest Caciboo Fork, Lit

In addition, other minor tributaries and streams also overflowed their banks and produced minor to moderate flooding. These

		Time	Path	Path		ber of	Estimat		March 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Per Killed	sons Injured	Damag Property	ge Crops	Character of Storm
OKLAHOMA, Weste	ern, Ce	ntral and	Southeast						
	stream	is include the	Bell Cow,				-		er, Preacher, Skeleton, Turkey and ern North Texas.
	agricu floodi	ltural lands a ng. Deer Cre	nd rural road eek firefighter	ls were also inu rs rescued a wo	ndated. Ho man and he	wever, no d er 6-year-old	leaths or inju 1 child after	ries we their ca	he flooding, and widespread areas of re reported as a direct result of the r ran into a ditch along the flooded ing was produced by Deer Creek.
	the riv evacua approx	ver claimed 2 ated by the Lo kimately 150 f	houses and ogan County feet of the nor	1 mobile home Sheriff during th	in the Twir ne event. Er washed aw	n Lakes Spo nvironmenta ay as a resu	orts Club nea l River Erosi lt of the flood	r Cresce on Cont waters a	e soil erosion along the north bank of ent, OK. A total of 15 homes were rol (EREC) personnel reported that nd that the bank was being eroded at 00.
	Signif	icant bank ero	sion was also	reported along t	he Washita	River near C	Chickasha, OH	K and the	e Pease River near Vernon, TX.
		Ų		eek in destroyed e estimates were	U			on site a	long State Highway 11 about 1 mile
				OK were forced the early morning	0			0	the East Cache Creek. East Cache ge.
	Merid State I State I State I State I State I State I	Highway 18 so Highway 131 Highway 5A v	om Edmond H outh of Chand in Wardville, vest of Templ etween 5A ar near Eakley, C ear Grandfield	Road to Covell n ller, OK OK e, OK Id U.S. Highway OK I, OK		, ОК			
Mcclain County Blanchard	18 report	2010CS ed by NWS et			0	0			Thunderstorm Wind (G52)
Jefferson County 5 S Waurika	18	2145CS			0	0			Hail (0.75)
Grady County 2 W Ninnekah	down		es were down ed against a l	house, trapping	2		U	2	<b>Thunderstorm Wind</b> 7 and 81 west of town. Some of the x30 building was also destroyed on
Grady County	e	•							
3 E Tabler	head	injury, and w	n winds comp as treated at a		The other	4 occupants	received only		<b>Thunderstorm Wind</b> t was in the trailer sustained a serious scrapes and bruises. A neighboring
Mcclain County 3 S Blanchard	<b>18</b> Sever	2220CS	<b>Γ</b> n winds estin		0	0	6K	a shed, l	<b>Thunderstorm Wind (G61)</b> blew part of the roof off a barn, an d
Cleveland County Norman	18 Sever	2230CS		ged numerous ro	0	0 w several m	10K obile homes c	off of the	Thunderstorm Wind
Mcclain County 2 N Dibble	<b>18</b> Sever	2230CS e thunderstorn	<b>Γ</b> n winds dest	-	<b>0</b> home, injur	1 ing one of t	15K the three occu	upants.	Thunderstorm Wind Three other homes in the area were
Cleveland County Noble	18 report	2235CS ed by NWS e			0	0			Thunderstorm Wind (G58)

		Time	Path	Path	Numbe	r of	Estimated	March 199
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Perso		Damage Property Crops	Character of Storm
OKLAHOMA, West	ern, Cer	tral and S	outheast					
Garvin County Elmore City	18 Severe	2255CST thunderstorm	winds downe	d limbs, awnir	<b>0</b> lgs, and televis	0 ion anten	1K nae throughout town.	Thunderstorm Wind
Garvin County 1 SSW Pauls Valley	18 measur	2255CST ed at the Okla	homa Mesone	et site	0	0		Thunderstorm Wind (G64)
Garvin County Pauls Valley	mainter An Okl Valley	nance shop, 1- ahoma Natura armory lost 1	4 hangars, and Il Gas shop so nost of its ne	d 8 to 10 plan with of Pauls V w roof and a	es were compl alley sustained r conditioner	etely dest 1 \$150,000 in the sev	royed. Damage at the 0 in damage to the roovere storm. Outbuildi	<b>Thunderstorm Wind</b> f damage in town. At the airport is airport was estimated at \$1,500,0 of, walls, and garage doors. The Par ngs, signs, and trees were destroyed at 2 to 3 million dollars.
Carter County								
Lone Grove	18 Severe	2303CST thunderstorm	winds blew th	ne roof off a lu	0 mber vard.	0	8K	Thunderstorm Wind
Love County Marietta	18	2315CST			0	0		Hail (0.75)
Marshall County Little City Seminole County	18	2340CST			0	0		Hail (0.88)
Wewoka	18	2350CST			0	0		Thunderstorm Wind (G52)
Bryan County Durant	<b>19</b> Summa	<b>0000CST</b> ry of events o	f March 18, 1	998:	0	0		Thunderstorm Wind (G52)
	reports Grady a mobile A secor	of severe hail and McClain homes. Two ad storm along	were received Counties from serious injurie the line prod	d, but the majo a west of Ninn es resulted.	rity of damage ekah to near I	e resulted Dibble. V	from severe thunders Vinds estimated at 70	Oklahoma during the evening. A fo torm winds. One storm moved acro 0-80 mph destroyed trees and seven alley Airport was particularly hard-I
OKZ004>012	See pres Harpe 19 Heavy s	r - Woods - 0100CST 2300CST snow fell acro	ual Storm Da <b>Alfalfa - G</b> ss the northw	ta entries for f rant - Kay - rest corner of (	Ellis - Wood 0 Oklahoma over	dward - 0		Heavy Snow the 19th. Snow accumulations we
	northwe Temper	estward. Seve	n to eight incl	nes fell from A	morita to Free	dom to La	averne, and 9 inches a	a Arnett to Ringwood to Braman an accumulated 8 miles north of Buffalo ons for only a few days in extrem
Ellis County 7 W Arnett	27	0200CST			0	0		Hail (0.75)
Caddo County 1 S Carnegie		0430CST thunderstorm ie until 10 am			0 of off of a pea	0 anut barn	5K and downed 11 pow	Thunderstorm Wind ver poles. Power was off through
Jefferson County Waurika	27	0600CST	-		0 er poles, cuttin	0 g power t	<b>2.4K</b> to Waurika and Terral	<b>Thunderstorm Wind</b> until after 7 pm that evening.
Stephens County Marlow	27 Power	0600CST	own down by	a line of thund	<b>0</b> erstorms. with	0 winds est	<b>0.50K</b> timated at 50 to 55 m	Thunderstorm Wind
Seminole County Seminole	27	0900CST			0	0	0.10K	Thunderstorm Wind

		Time	Path	Path	Number of		Estimated		March 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Per: Killed	sons Injured	Dama Property	ge Crops	Character of Storm
OKLAHOMA, Wes	tern, Cei	ntral and S	outheast						
Harper County Laverne	30	0124CST			0	0			Hail (0.75)
Harper County 14 S Selman	30	0230CST			0	0			Thunderstorm Wind (G57)
Grady County Chickasha	30	1249CST			0	0			Hail (1.00)
Grady County Chickasha	30	1250CST 1310CST			0	0	150K	_	Thunderstorm Wind
	downte a carpe	own business d	istrict. Utility and blown or	y poles were do nto a mobile h	wned, dama	ging and cu	itting the pow	er to the	ed several signs and awnings in the city's water treatment facility. Nearb st south of town a mobile home wa
Grady County	20	1255097			0	0			
Chickasha Grady County 7 E Tuttle	30 30	1255CST 1310CST			0	0			Thunderstorm Wind (G61) Hail (0.88)
Stephens County 3 S Duncan	30 30	1343CST			0	0			Hail (0.75)
Oklahoma County Oklahoma City	30	1415CST northeast part o	f the city		0	0			Hail (1.00)
Cleveland County Noble	30	1438CST			0	0			Hail (0.75)
Carter County Fox	30	1510CST			0	0			Hail (0.88)
Carter County Springer	30	1540CST			0	0			Hail (1.00)
Carter County Springer	<b>30</b> Severe	1540CST thunderstorm	winds estima	ated at 75 mph	0 tore sheet me	0 etal off a ba	<b>0.80K</b> arn.		Thunderstorm Wind (G63)
Murray County 6 SSW Davis	<b>30</b> at Turr	1540CST ner Falls			0	0			Hail (1.00)
Murray County 5 W Sulphur	30	1540CST			0	0			Hail (0.75)
Murray County Dougherty	30	1545CST			0	0			Hail (1.00)
Murray County Dougherty Love County	30	1545CST			0	0			Thunderstorm Wind (G61)
2 W Courtney Carter County	30	1550CST			0	0			Hail (0.75)
1 S Springer Carter County	30	1610CST			0	0			Hail (1.00)
1 S Springer	<b>30</b> Severe	1610CST thunderstorm	winds downe	ed power lines.	0	0	0.40K		Thunderstorm Wind
Murray County Hickory	30	1613CST			0	0			Hail (1.75)
Murray County Hickory	30	1615CST			0	0			Hail (1.00)
Carter County 2 S Dickson	30 accom	1616CST panied by west	winds of 45	to 50 mph	0	0			Hail (1.00)
Carter County Dickson	30	1618CST		-	0	0			Hail (1.00)

		Time	Path Lanath	Path	Number		Estimated	March 199	
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Person Killed	1s Injured	Damage Property Crops	Character of Storm	
OKLAHOMA, Weste	ern, Cer	ntral and Se	outheast						
Pontotoc County 2 N Allen	30	1645CST			0	0		Hail (1.00)	
Coal County 7 NNE Tupelo	30	1705CST			0	0		Hail (0.75)	
Hughes County 5 WNW Calvin	30	<b>1710CST</b> red at the Oklal	homa Meson€	et site	0	0		Thunderstorm Wind (G50)	
Hughes County	mousu	eu ur ine onnu	101114 101000110						
1 W Atwood	30	1715CST			0	0		Hail (0.75)	
Hughes County Calvin	30	1717CST			0	0		Hail (0.88)	
Hughes County Lamar	30	1718CST	0.6	25	0	0		Tornado (F0)	
	across tornado of the p blown tornado	Lamar Mounta o moved north path, the roof v down, and a t o blew the roof yed a shed acro	ain just south along the wes was blown off ree was upro- f off a worksl	west of town. st edge of town f a cow shed. J oted. Shutters hop and tossed	This first funr for about .4 n fust north of th were blown l a trampoline	el lifted niles ther nere a tra off the r over a h	and then a second fur a veered to the northear avel trailer and dog ho next house to the north nouse. At this point the	hel that developed as the storm can nuel formed and touched down. The st before lifting. On the southern e- use were blown over, an antenna w h. About a block north of there the e tornado turned to the northeast ar s about .6 miles long, and the torna	
Johnston County Coleman	30	1730CST			0	0		Hail (0.75)	
Bryan County	30	1/50051			U	U		Hail (0.75)	
1 N Calera	30	1750CST			0	0		Hail (0.75)	
Atoka County 2 N Farris	<b>30</b> Summa	1845CST ary of events of	March 30th:		0	0		Hail (0.75)	
	A line of thunderstorms formed along a cold front as it moved east across central and southern Oklahoma. The line extended across the state from Kansas to Texas and produced large hail, damaging winds, and one tornado. The largest hail (golf ball-sized) we reported in Hickory in Murray County. Widespread wind damage occurred in Chickasha in Grady County as one storm evolved int a bow-echo. As the line of storms continued to move east, they developed comma-head radar signatures. One of these storm produced a small tornado (F0) in Lamar in Hughes County. See preceding individual Storm Data entries for further information and additional reports.								
	a bow-e produce	echo. As the a ed a small torna	ado (F0) in La	s continued to amar in Hughe	move east, th s County.	ey devel	loped comma-head rad		
OREGON. Central a	a bow-e produce See pre	echo. As the a ed a small torna ceding individu	ado (F0) in La	s continued to amar in Hughe	move east, th s County.	ey devel	loped comma-head rad		
<u>OREGON, Central an</u> ORZ019	a bow-e produce See pre- nd East Northe	echo. As the ed a small torna ceding individu east Oregon	ado (F0) in La	s continued to amar in Hughe	move east, th s County. arther informat	ey devel	loped comma-head rad	lar signatures. One of these storm	
	a bow-e produce See pre- nd East Northe 23 Several	echo. As the ed a small torna ceding individu east Oregon 1600PST 2200PST	ado (F0) in La ual Storm Dat	s continued to amar in Hughe ta entries for fu	move east, th s County. arther informat 0	ey devel ion and a 0	loped comma-head rad		
ORZ019	a bow-e produce See pre- <u>nd East</u> Northe 23 Several hours.	echo. As the ed a small torna ceding individu east Oregon 1600PST 2200PST	ado (F0) in La ual Storm Dat	s continued to amar in Hughe ta entries for fu	move east, th s County. arther informat 0	ey devel ion and a 0	loped comma-head rad	dar signatures. One of these storm	
ORZ019 DREGON, Northwes	a bow-e produce See pre- nd East Northe 23 Several hours.	echo. As the ed a small torna ceding individu east Oregon 1600PST 2200PST l creeks in the	ado (F0) in La ual Storm Dat Meacham are	s continued to amar in Hughe ta entries for fu	move east, th s County. arther informat 0	ey devel ion and a 0	loped comma-head rad	dar signatures. One of these storm	
ORZ019 DREGON, Northwes	a bow-e produce See pre- nd East Northe 23 Several hours.	echo. As the ed a small torna ceding individu east Oregon 1600PST 2200PST	ado (F0) in La ual Storm Dat Meacham are	s continued to amar in Hughe ta entries for fu	move east, th s County. arther informat 0	ey devel ion and a 0	loped comma-head rad	dar signatures. One of these storm	
ORZ019 DREGON, Northwes	a bow-e produce See pre- <b>nd East</b> <b>Northe</b> 23 Several hours. 51 <b>Northe</b> 03 04 A stron	echo. As the ed a small torna ceding individu east Oregon 1600PST 2200PST I creeks in the ern Cascade 2200PST 1200PST	ado (F0) in La ual Storm Dat Meacham ar <b>s</b> ed 13 inches	s continued to amar in Hughe ta entries for fu ea were overfl	move east, the s County. In the r information of the solution	ey devel ion and a 0 anks and 0	loped comma-head rad additional reports. l into pastures. Half a	dar signatures. One of these storm Flood n inch of precipitation fell in twelv	
ORZ019 <u>DREGON, Northwes</u> ORZ011	a bow-e produce See pre- <b>nd East</b> <b>Northe</b> 23 Several hours. 52 <b>Northe</b> 03 04 A stron inches	echo. As the ed a small torna ceding individu east Oregon 1600PST 2200PST l creeks in the ern Cascade 2200PST 1200PST ng storm dump at Willamette I ern Cascade 0000PST	ado (F0) in La ual Storm Dat Meacham ar <b>s</b> ed 13 inches Pass.	s continued to amar in Hughe ta entries for fu ea were overfl	move east, the s County. In the r information of the solution	ey devel ion and a 0 anks and 0	loped comma-head rad additional reports. l into pastures. Half a	dar signatures. One of these storm Flood n inch of precipitation fell in twelv Heavy Snow	
	a bow-o produce See pre- <b>nd East</b> <b>Northo</b> 23 Several hours. 5 <b>t</b> <b>Northo</b> 03 04 A stron inches 26	echo. As the ed a small torna ceding individu east Oregon 1600PST 2200PST l creeks in the ern Cascade 2200PST 1200PST ng storm dump at Willamette l ern Cascade	ado (F0) in La ual Storm Dat Meacham an <b>s</b> ed 13 inches Pass. <b>s</b>	s continued to amar in Hughe ta entries for fu ea were overfl of new snow a	move east, th s County. In the rinformat 0 owing their ba 0 at Mt Hood M 0	ey devel ion and a 0 anks and 0 eadows, 0	loped comma-head rad additional reports. l into pastures. Half a	Iar signatures. One of these storm Flood n inch of precipitation fell in twelv Heavy Snow Pass, 8 inches at Santiam Pass, and	

Heavy snow fell in the North Coast Range at unseasonably low elevations behind a Pacific cold front. Sunset Summit reported 5 inches of new snow and Wilson River Summit reported a total of 4 inches of new snow.

		Time	Path	Path	Numbe		Estimated	March 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Perso Killed	ns Injured	Damage Property Crops	Character of Storm
<b>OREGON, Southeast</b>								
ORZ020>021	28 29 High w	2300PS 1100PS vinds blew ad	T cross south eas	-		0 mph gust	ing to 60 at Keating i	High Wind (G52) n Baker County. In Malheur County,
<b>OREGON, Southwest</b>	-		neu neus neu	Drogan, orego				
Coos County Coos Bay	<b>21</b> <b>22</b> 3.55 in	0700PS 0700PS aches rainfall	Т		0	0		Heavy Rain
Jackson County 4 NE Copper	<b>21</b> <b>22</b> 3.41 in	1600PS 1600PS aches rainfall			0	0		Heavy Rain
ORZ008-015	21 22	1700PS 1700PS	Т	_	2 d to heavy rain	<b>1</b> Ifall on to	p of existing snowpa	Flood ck in southern Oregon March 21-22.
	Bullard southw The Illi	Creek in 1 estern Orego inois River b	Lake county on to near	caused minor s	street flooding of rainfall fell,	in Lake resulting	view, and one home in widespread small	county and all of Josephine county. e sustained light flood damage. In stream flooding in Josephine county. es of two rafters in the area called the
ORZ015	23 Strong,	Central C 1144PS gusty winds f Paisley.	Т	central Lake co	0 ounty on March	<b>0</b> 23. Win	d gusts ranged from 7	High Wind (G74) 4 mph near Summer Lake to 86 mph
PACIFIC								
Guam								
Merizo	01 31	0000HS 2359HS			0	0	120K	Wild/Forest Fire
GUZ001>003-006	Belau 01 31	- Microne 0000HS 2359HS	ST	all Islands - (	Guam 0	0		Drought
	Guam. wooded places	These fires d areas. This not receiving	burnt 7619 acts month, thoug g even an inch	res. This is the the fires con	third month of sumed a house to in the Marsh	these typ in Meriz all Island	bes of fires, but up to zo. Rainfall is low act as had only 0.27 of an	yourable for uncontrolled fires across this month they have been mainly in ross the rest of Micronesia with most a inch for the entire month, with the
PENNSYLVANIA, C	<u>entral</u>							
Lancaster County Landisville	<b>09</b> Thund	1840ES erstorm wind		verlines just we	0 st of Landisvill	<b>0</b> e.		Thunderstorm Wind (G51)
Lancaster County Centerville	<b>09</b> Nickel	1845ES sized hail fe		le, west of Lanc	0 aster.	0		Hail (0.88)
PAZ005>006-037	14 Heavy		T cross the highe	er elevations of ad Galeton with			Pennsylvania overni	Heavy Snow ght. Up to 6 inches of new snow was
Snyder County Countywide	19	1900ES 2230ES			0	0		Flash Flood
Franklin County Countywide	20 21 Heavy	2330ES 1200ES rains caused	Т	ad and small str	0 ream flooding	0		Flash Flood

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		Time Local/	Path Length	Path Width	Numbe Perso		Estimated Damage	March 19	
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Killed	ns Injured	Damage Property Crops	Character of Storm	
PENNSYLVANIA, C	<u>entral</u>								
Adams County									
Countywide	21	0200EST 1000EST			0	0		Flash Flood	
Cumberland County									
Countywide	21	0200EST 1000EST			0	0		Flash Flood	
Perry County									
Countywide	21	0200EST 1000EST			0	0		Flash Flood	
Lancaster County									
Countywide	21	0500EST 1000EST			0	0		Flash Flood	
York County									
Countywide	21	0500EST 1000EST			0	0		Flash Flood	
			ell across a	wide area of sou	th central Pen	nsylvania	a, flooding small stream	ms and closing many	v roads.
PAZ037	Tioga								
							ward across Pennsylv	Heavy Snow vania. Snow was lim	nited to the highe
PENNSYLVANIA, E		ions of the north	iern countie	es with Tioga Co	ounty reporting	amounts	around 6 inches.		
	asi								
Berks County	08	1100EST			0	0		II	
Countywide	08 09	100EST 1000EST			U	U		Heavy Rain	
Chester County									
Countywide	08 09	1100EST 1000EST			0	0		Heavy Rain	
Delaware County									
Countywide	08 09	1100EST 1000EST			0	0		Heavy Rain	
Montgomery County									
Countywide	08 09	1100EST 1000EST			0	0		Heavy Rain	
Philadelphia County									
Countywide	08 09	1100EST 1000EST			0	0		Heavy Rain	
Bucks County									
Countywide	08 09	1200EST 1200EST			0	0		Heavy Rain	
Lehigh County									
Countywide	08 09	1300EST 1500EST			0	0		Heavy Rain	
Northampton County									
Countywide	08 09	1300EST 1500EST			0	0		Heavy Rain	
Carbon County									
Countywide	08 09	1400EST 1400EST			0	0		Heavy Rain	
Monroe County									
Countywide	08 09	1400EST 1400EST			0	0		Heavy Rain	

Rain overspread Eastern Pennsylvania during the late morning and early afternoon on the 8th preceding a low pressure system's warm front. The heaviest rain in Southeast Pennsylvania fell during the late afternoon and evening on the 8th and mainly during the morning of the 9th in the Lehigh Valley, Berks County and the Poconos. Scattered pockets of heavier rain also fell during the evening of the 9th from Berks County northeast through the Poconos. Storm totals averaged between 1.5 and 2.0 inches, except they exceeded 3 inches in Monroe County. This caused some urban and poor drainage flooding, but was not heavy enough to push any major streams or rivers over their banks. The heavy rain contributed to a major crash in Chester County the afternoon of the 8th. A volunteer fire fighter was killed and ten others were injured when a braking tractor trailer flipped on its side and plowed into a group of emergency rescue workers at an accident site on the Pennsylvania Turnpike about two miles west of Downingtown.

		Time Local/	Path Length	Path Width	Numb Perso		Estimate Damag		March 199
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	-	e Crops	Character of Storm
PENNSYLVANIA, I	East								
	2.79 Coun Coun Glenr 1.37	ty), 2.08 inches ty), 2.00 inches ty), 2.00 inches noore (Chester	Pond (Monr in Hamburg s in Green La County), 1.3 miny Falls (	toe County), 2 (Berks Count ane (Montgome 88 inches in S Bucks County)	.20 inches in y), 2.05 inch ery County), 1 pringtown (Bu ), 1.34 inches	Phoenixvi es in East .93 inches acks Coun at the W	ille (Chester C con (Northamp s at the Lehigh nty), 1.44 inch	County), ton Cou Valley nes in V	in Mount Pocono (Monroe County 2.09 inches in Lehighton (Carb inty) and East Stroudsburg (Monr International Airport, 1.91 inches Valley Forge (Montgomery County 31 inches in Crum Creek (Delawa
Berks County 2 S Sinking Spg to Kutztown	09	1912EST 1940EST			0	0		0	Thunderstorm Wind
Berks County Blandon	09	1933EST		50	0	0	100K	0	Tornado (F1)
	1937EST A line of severe thunderstorms moved through Berks County Pennsylvania the evening of March 9th and knocked down tree limit and power lines from Spring Township northeast through Kutztown. The worst damage occurred when the thunderstorm dropped weak tornado (F1 on the Fujita Scale) in Blandon located in southern Maiden Creek Township a little after 730 p.m. EST. Th tornado touched down on Pennsylvania State Route 73 (Main Street) in Blandon. It moved northeast nearly along Willow Creek an parallel to U.S. Route 222. Homes along Cornerstone Drive in the Maiden Creek Estates development were nearest the path an had the most widespread damage. The tornado lifted as it passed over Pleasant Hill Road. More than half of its two mile pat length was through wooded areas and this reduced the damage that was done. No injuries were reported.								
	had it from house playh incluc Abou were	s front door kno a house on Corr s mainly on th ouses and swing ling fruit trees, o t 700 customers	ocked out and herstone Driv e east side o g sets and rip evergreens ar s throughout Blandon, Ku	d its garage cru e and embedde of Cornerstone ped siding and ad maples were the county lose atztown, Richn	shed by a fall d its siding in Drive suffere shingles. Sto either snappe	en tree. The to the grou d minor to rage sheds d or uprocesse of the to	he tornado tore und and and sid to moderate da s were seen bo oted. Traffic si	e out an des of amage ouncing gns wer e thunde	The house on Pleasant Hill Road al entire section of a second story w other homes. About an additional as the tornado leveled sheds, toss through backyards. Numerous tree re ravaged and twisted. erstorms and lightning strikes. Th also at least five separate reports
PAZ054>055		oon - Monroe 0100EST		storms.	0	0			Wintry Mix
	18th. progr roadw States	Precipitation s essed. The rain ays were hazar	ng rain overs tarted shortly n ended by r dous. A low y while it wa	after midnigh noon across the pressure syst s warm enoug	tt as sleet and e Poconos. S em in the Mis h for rain abo	freezing n torm total sissippi V ve the gro	rain and slowly s were genera alley pumped	y chang lly und moistu	during the first half of the day on t ed over to plain rain as the morni er two tenths of an inch. Untreat re eastward into the Middle Atlant the surface left by a departing his
PAZ054>055	21	oon - Monroe 0700EST			0	0			Winter Storm
	21st t from elevat (near (Carb North	hrough sunrise New York State tions. Periods o Cape Cod the r on County) and Carolina early	ped around s on the 22nd. e and Canada f snow persis norning of th 3.5 inches in in the morni	Precipitation s a, precipitation ted through the e 22nd) moved n East Stroudst ng on the 21st	started as rain slowly chang e night of the 2 d through the burg. The low , to just east o	before dav ed over fr 1st until t region. A pressure f Delawar	wn on the 21st om rain to slee he upper level ccumulations system that ca e the evening	, but as et and t low gui include used th of the 2	nroe Counties from daybreak on t cold air was drawn into the Pocor hen snow, starting first in the high ding the surface low pressure syste d 6 inches at Indian Mountain Lak e heavy snow moved northeast fro 21st to Cape Cod the morning of the arly morning on the 22nd.
PAZ060>062	21	s - Lehigh - N 1300EST	-	on	0	0			Wintry Mix
	of the region the ev low g	21st through s n from New Yos vening, starting t juiding the surfa	re system dro unrise on the rk State and ( first in the his ace low press	22nd. Precip Canada, precip gher elevations sure system (no	itation started itation slowly . Periods of li ear Cape Cod	as rain be changed o ght snow the morni	fore dawn on over from rain persisted throu ing of the 22nd	the 21st to sleet igh the d) move	he Lehigh Valley from the afternoo t, but as cold air was drawn into th in the afternoon and then to snow night of the 21st until the upper leve ed through the region. The heavie ally around an inch in the valleys and

		Time	Path	Path	Number	r of	Estim	ated	March 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Person Killed	ns Injured	Dam Property	age Crops	Character of Storm
PENNSYLVANIA, Ea	st								
	a coup Interna mornir	ntional Airpor	t. The low j	pressure system of Delaware th	n that caused t	he wintry e 21st to	mix move Cape Cod t	d northea he mornir	nd 0.5 inches at the Lehigh Valley st from North Carolina early in the ng of the 22nd. The upper level low
PAZ054>055-060>062-	Carb	on - Monro	e - Berks - I	Lehigh - Nor	thampton - C	Chester -	Montgon	nery - B	ucks - Delaware - Philadelphia
067>071	27	1000ES	Г		0	0			Unseasonably Warm
	31	1800ES		1 M 1. 1					oss Eastern Pennsylvania from March
	27th th Berks monthl The pr Lehigh Philado Eastern (Delaw County and the	rough March County, the ly high tempe revious March valley Inter elphia Interna n Pennsylvan vare County), y), East Strou e Lehigh Vall	31st. The wa Lehigh Valley rature records a monthly recor- national Airport tional Airport ia, the highes 88 degrees i dsburg (Monr ey Internation	rmest days we and the Pocc including the l ord was 86 de ort on the 27t t. The high of st temperatures n Reading (Be oe County) an al Airport, 86	re the 30th arou onos. Several I Lehigh Valley In grees set on Ma h, 30th and 31s 81 degrees on included 89 de erks County), N d the Northeast degrees at the I	nd the Ph ocations a nternation arch 29, 1 st and on the 31st egrees in New Hope Philadelp	iladelphia M across the M al Airport o 1945. Daily the 30th (of tied the rec King of Pru e (Bucks Co bhia Airport, nia Internatio	fetropolita Aiddle At n the 30th high ten one degre ord high ussia (Mo punty), the , 87 degr ponal Airpo	an Area and either the 30th or 31st in lantic States established new March with a high of 87 degrees. apperature records were broken at the e shy of the monthly record) at the for the day in Philadelphia. Across intgomery County), and Crum Creek e Willow Grove NAS (Montgomery ees in Easton (Northampton County ort and 84 degrees in Mount Pocono tures back to seasonal levels in early
PENNSYLVANIA, No	-	st							
PAZ039>040-044-048			Vayne - Lac	kawanna - F	ike				
	20 22	1900ES 0900ES	Г		0	0			Heavy Snow
	A nota evenin freezin the hig 6 hour Fro streng 22nd a St comm	able spoke of ng on the 20th ng rain. This gher elevation period in are om the even in the ing further across the nor nowfall totals on. Equinum	upper level e in into the earl round of mixe is just outside as north of Sc ag of the 21st er. As this of thern tier and for this entir k and Dyberry	nergy rotated y morning hou ed precipitation of the Wilkes- ranton. through the 22 courred, narrow Pocono region e event were h y township in V	around this stor ars on the 21st. a brought an ice Barre/Scranton 2nd, the storm c v bands of very s. neaviest to the p	rm and af A burst coating u metropoli center beg heavy su north and bicked up	fected parts of heavy si up to a quar itan area. A an to move nowfall deve east of Scr 8 to 10 incl	of northe now result ter of an i lso, 2 to 5 northeast eloped ov anton. A	through much of the day on the 21st eastern Pennsylvania from late in th ted, which was mixed with sleet an nch thick on exposed surfaces across 5 inches of snow fell within roughly ward off the Mid-Altantic coast whil ernight into the early morning of th accumulations of 6 to 10 inches wer w while Bushkill in Pike county and
PENNSYLVANIA, No	orthwe	<u>est</u>							
PAZ001	North 08	iern Erie 1600ES			0	0	50K		High Wind
			to 60 miles p	er hour along t nes were dowr		wned a tr	ee on a hous	se in Fairv	view and another tree fell on a hous
PAZ002>003	South 10 12	ern Erie - ( 0415ES 0645ES	Г		0	0			Heavy Snow
	Heavy days b roadw miles depths amour	v lake effect spefore tapering ays mainly w per hour at ti reached six nts of 24 inc	now develope g off to a few ret and travel mes on the 10 inches by 11	snow showers. problems were oth, and dimini AM on the 100 pro, 22 inches	Temperatures confined main shed a bit each h. Total snow	near or al ily to the day, but fall amou	bove freezin night time a drifting sno ints generall	g each da and early w was a j y ranged	I on and off (mainly inland) for three y and the warm March sunshine kep morning hours. Winds gusted to 40 problem throughout the event. Snow from six to eight inches, with highe all in Erie County; and 22 inches a
PAZ002>003	-	ern Erie - ( 0415ES 1915ES	Crawford F		0	0			Heavy Snow

		Time	Path	Path	Number		Estimated	March 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Person Killed	s Injured	Damage Property Crops	Character of Storm
PENNSYLVANIA, M	Northwes	st		× /		5		
<u>I Li (i (j I L / / i (i/i, i</u>			back side of	a low pressure	center over th	e Appala	achians was enhanced	d by north winds off Lake Erie. The
								red at Union City, 12 inches at Corr
					unty; twelve i	nches at	Conneautville and r	nine inches each at Spartansburg and
		idge Springs, a	all in Crawfo	rd County.				
PAZ001		ern Erie						
	21	0900EST 1535EST			0	0		Heavy Snow
	Rain cl			ack side of a lo	w pressure sv	stem and	l a band of heavy sr	now rotated into the Erie County PA
								h the heaviest amounts east of the city
	of Erie.	. The city of I	Northeast rep	orted eight inch	es of new snov	with no	orth winds of 35 miles	per hour blowing the snow into drift
	up to fo	our feet deep.						
PENNSYLVANIA, V	<u>West</u>							
PAZ030-032		oreland - F						
	10	0500EST			0	0		Winter Storm
	11 Seven i	1300EST		npion in the ridg	res of Westmo	eland Co	unty	
					·		•	higher elevations of the Chestnut and
	Laurel r		U	5		C	e	0
PUERTO RICO								
Humacao								
Naguabo	07	0600AST	1		0	0		Heavy Rain
C		0900AST						·
	Several	creeks went o	out of their ba	anks.				
Humacao								
Countywide	07	1200AST 1800AST			0	0	2.5M	Flash Flood
San Juan		1000A51						
North Portion	07	1200AST	I.		0	0	100K	Flash Flood
	07	1800AST			Ū	Ū	10011	
								across most of the east and northeast
								Bayamon. In San Lorenzo mud slides
					-			vent out of his banks flooding various nd residences were affected in Santa
	-	highbourhood.	-	ere also arrecte	d by the water	s. m Da	yannon severar ears a	ind residences were arrected in Santa
San Juan		8						
Dorado	14	1525AST	i.		0	0		Waterspout
		1625AST	i.					
	Several	waterspouts s	potted in the	vicinity of Dora	ado.			
San Juan								
	29	1500AST			0	0	5K	Urban/Sml Stream Fld
Bayamon to								
Bayamon to Carolina		1800AST and small stree	am flooding	were reported in	n Bayamon Ca	atano an	d San Juan, Several F	nouses and roads were flooded. Street
	Urban a	and small strea	U	1				nouses and roads were flooded. Street
Carolina	Urban a	and small strea	U	were reported in C				nouses and roads were flooded. Street
	Urban a	and small strea	nage areas wa	1				ouses and roads were flooded. Street Urban/Sml Stream Fld
Carolina San Juan	Urban a flooding <b>30</b>	and small strea g in poor drair 1300AST 1500AST	nage areas wa	as observed in C	arolina and Tro 0	ıjillo Alt 0	0.	
Carolina San Juan Bayamon to Guaynabo	Urban a flooding <b>30</b>	and small strea g in poor drair 1300AST 1500AST	nage areas wa	1	arolina and Tro 0	ıjillo Alt 0	0.	
Carolina San Juan Bayamon to	Urban a flooding <b>30</b>	and small strea g in poor drair 1300AST 1500AST	nage areas wa	as observed in C	arolina and Tro 0	ıjillo Alt 0	0.	
Carolina San Juan Bayamon to Guaynabo	Urban a flooding <b>30</b> Urban a	and small stre: g in poor drair 1300AST 1500AST und small strea	nage areas wa	as observed in C were reported in	arolina and Tro 0 Catano, levito	ıjillo Alt 0 wn, and 0	o. Guaynabo.	
Carolina San Juan Bayamon to Guaynabo <u>RHODE ISLAND</u>	Urban a flooding <b>30</b> Urban a <b>Northy</b> <b>Newpo</b>	and small strea g in poor drain 1300AST 1500AST and small strea west Provid ort	am flooding v	as observed in C were reported in	arolina and Tri 0 Catano, levito ence - Weste	o 0 wn, and 0 ern Ken	o. Guaynabo.	Urban/Sml Stream Fld Bristol - Washington -
Carolina San Juan Bayamon to Guaynabo <u>RHODE ISLAND</u>	Urban a flooding 30 Urban a Northy Newpo 08	and small strea g in poor drain 1300AST 1500AST and small strea west Provid ort 1700EST	am flooding v	as observed in C were reported in	arolina and Tro 0 Catano, levito	ıjillo Alt 0 wn, and 0	o. Guaynabo.	Urban/Sml Stream Fld
Carolina San Juan Bayamon to Guaynabo <u>RHODE ISLAND</u> RIZ001>007	Urban a flooding 30 Urban a Northy Newpo 08 09	and small strea g in poor drain 1300AST 1500AST and small strea west Provid ort 1700EST 2300EST	nage areas wa am flooding v lence - Sout	as observed in C were reported in theast Provid	arolina and Tri 0 Catano, levito ence - Weste 0	o wn, and o ern Ken 0	o. Guaynabo. <b>1t - Eastern Kent -</b>	Urban/Sml Stream Fld Bristol - Washington - Heavy Rain
Carolina San Juan Bayamon to Guaynabo <u>RHODE ISLAND</u>	Urban a flooding 30 Urban a Northy Newpo 08 09 Northy	and small strea g in poor drain 1300AST 1500AST and small strea west Provid ort 1700EST 2300EST west Provid	nage areas wa am flooding v lence - Sout	as observed in C were reported in theast Provid	arolina and Tri 0 Catano, levito ence - Weste 0	o wn, and o ern Ken 0	o. Guaynabo. <b>1t - Eastern Kent -</b>	Urban/Sml Stream Fld Bristol - Washington -
Carolina San Juan Bayamon to Guaynabo <u>RHODE ISLAND</u> RIZ001>007	Urban a flooding 30 Urban a Northy Newpo 08 09	and small strea g in poor drain 1300AST 1500AST and small strea west Provid ort 1700EST 2300EST west Provid	am flooding v am flooding v lence - Sout	as observed in C were reported in theast Provid	arolina and Tri 0 Catano, levito ence - Weste 0	o wn, and o ern Ken 0	o. Guaynabo. <b>1t - Eastern Kent -</b>	Urban/Sml Stream Fld Bristol - Washington - Heavy Rain

						er Phenor		
	Time Local/	Path Length	Path Width	Number Person		Estimated Damage		March 1998
Location	Date Standard	(Miles)	(Yards)		Injured	Property Crops	Character of Storm	
RHODE ISLAND								
Kent County West Warwick	09 1900ES	г		0	0	50K	Lightning	
RIZ001	Northwest Provi			U	U	501	Lightning	
	and heavy rainfall to at Woonsocket cress flooding in the city	vstem moving s o Rhode Island ted at 10.3 feet y. Several pa	, resulting in u t on March 10t rking lots wer	rban street floo h at 6:00 PM; t re reported floo	ding, bas flood stag oded wit	hio Valley to the east sement flooding, and ge is 9.0 feet. Urbar h up to 3 feet of v rms during the eveni	river flooding. The flood control system vater along the Black	Blackstone River
	In West Warwick, a \$50,000. Two other					fire spread to the ne d Cumberland.	arby house. Damag	e was reported a
	3.02" was set on M 3.90"; Johnston, Pro West Warwick, 3.4	larch 9th at Pr ovidence, and 0"; and Hopki erious in many	ovidence. Sor Cranston, 3.60 nton and Cum places. Many	ne of the maxi "; Woonsocket berland, 3.30". y roads had to b	mum tot , 3.43"; V The res e closed	falling in about 30 h als across the state i Warwick, T.F. Green st of the state had be due to flooding for p	ncluded: Coventry, Airport, and East P etween 2 and 3 inch	4.05"; Clayville, rovidence, 3.41" es. Urban street
		wer outages.				a warm front during orted at Tiverton. Si		
RIZ001>007	Northwest Provi		heast Provid	lence - Weste	ern Ken	nt - Eastern Kent	- Bristol - Washir	gton -
	Newport 12 1400ES 1500ES			0	0		Strong Winds	
	Strong west to north mph; Newport, 50 n	west winds in nph; and Provi	dence, 48 mph			d to near 50 mph. So		led: Tiverton, 5
RIZ002>007	Southeast Provid 21 0600ES 22 0800ES	Г	ern Kent - E	astern Kent 0	- Bristo 0	ol - Washington -	Newport Strong Winds	
	A strong very early coast on March 21st Rhode Island. Over from 35 to 50 mph	Spring nor'eas t passing to the r the northern occurred over t f March 21st i	southeast of C half of the stat the central and nto the mornin	Cape Cod on Ma e, snow accum southern portio	arch 22n Julation vo on of the	tem which moved to d. This storm brough vas from 2 to 4.5 ind state. The strong wi eak wind gust to 49	nt a mixture of snow, ches. Strong northea nds occurred during	sleet, and rain to st winds gusting a 24-hour period
RIZ002>006	Southeast Provid		ern Kent - E			ol - Washington		
	26 1000ES 1800ES Strong south-southw mph was recorded a	<b>F</b> vest winds gust	ting to 35 to 50	0 mph occurred	0 across co	entral and southern p	Strong Winds	A peak gust to 3
RIZ004	Eastern Kent 27 1434ES			0	0		Record Warm	th
RIZ004	Eastern Kent 28 1140ES			0	0		Record Warm	
RIZ004	Eastern Kent	r.		0	0			
	31         1350ES7           On March 27th, the         77 degrees set in 19	high temperat	ure at T.F. Gre	u en Airport in W	0 Varwick	reached 81 degrees,	Record Warm preaking the old reco	
						reaking the old reco ord high temperature		1989. The hig

On March 31st, the temperature at T.F. Green Airport in Warwick reached 85 degrees at 1:50 PM, breaking the previous record for the date of 75 degrees set in 1981. The warmest temperature ever recorded in the month of March is 90 degrees on March 29, 1945, however.

		Time Local/	Path Longth	Path Width	Numbe Perso		Estimate Damag			March 1998
Location	Date	Local/ Standard	Length (Miles)	(Yards)	Killed	ns Injured	0	e Crops	Character of Storm	
SOUTH CAROLINA	, Centr	<u>al</u>								
Bamberg County										
3 E Govan to 4 E Govan	08	1255EST 1257EST	1	100	0	0	0	0	Tornado (F0)	
	The O		a second touch	ndown east of	Govan near h	nighway 3	301 and the Lit	tle Sa	lkehatchie River takir	ig down several
	trees.									
Orangeburg County 3 E Neeses to 4.3 E Neeses	08	1320EST 1322EST	1.3	75	0	0	80K	0	Tornado (F2)	
4.0 11 11 (6.563	down	tornado tracke on top of a 35	ft by 75 ft cir	nder block bu	ilding 30 yard	ds away	completely des	troying	m 35 ft into the air, and the mobile homes and	nd the building
			one to a couple so demolished.		and permane	nt homes	s, and also to a	church	roof. A second 12 ft	by 24 ft cinde
Orangeburg County										
4 SSW Vance to 1.5 NE Vance	08	1350EST 1400EST	5	100	0	0	220K	0	Tornado (F2)	
1.5 IVE VAIICE	found	tornado did m as far as 3 mil		damage was					ured. Debris from the homes. Minor damag	
Clarendon County		1110505			<u>^</u>					
9.5 S Manning to 9 SSE Manning	08	1418EST 1420EST	1	65	0	0	2K	0	Tornado (F0)	
5 502 Huming	The Factor The Factor The Factor The Some the Source of th	2 tornado near	Vance jumped	Lake Marion	and briefly to	uced dov	vn near Cooper	rs Land	ing breaking off a tele	phone pole and
Lancaster County										
8 NNW Lancaster	20 Count	1429EST	l large hail 2 mi	iles west of H	0 ancock	0		0	Hail (1.00)	
Sumter County	Count	y Li D Teponee	r large han 2 m	lies west of Ha	ancock.					
5 S Sumter	20	1821EST	reported 1 inch	hail	0	0		0	Hail (1.00)	
Sumter County	SKIV	ARIN Spouler I	leponeu i men	IIdII.						
8 E Sumter	20 Severa	1830EST d SKYWARN	spotters reporte	ed 1 inch hail.	0	0		0	Hail (1.00)	
Lee County										
Lynchburg	20 Sherifi	1845EST f reported 1 inc	h hail in Lynch	burg.	0	0		0	Hail (1.00)	
Chesterfield County	• •	1000500			0					
Cheraw	20 Sherif	1930EST f reported 1 inc	h hail in Chera	w.	0	0		0	Hail (1.00)	
SOUTH CAROLINA	, North	<u>Coastal</u>								
Dillon County										
Fork	08 CHED	1455EST 1500EST	<b>0.3</b>	30		0	ED		Tornado (F0)	
Marion County	SHER	IFF KEPUKII	ED TREES DO	WINED, FUIN	NEL CLOUL	510111	ED.			
13 SW Mullins	<b>08</b> HAM	1520EST RADIO SKYV	VARN REPOR	T OF HAIL I	0 N THE CENT	0 TENARY	- RAINS ARE	EA.	Hail (0.75)	
Horry County										
6 N Aynor	08 DAM/	1530EST AGE IN PLEA	0.2 SANT VIEW (	30 COMMUNITY	<b>0</b> 7, OFF S.C. 9	<b>0</b> 17. TWC	25K D HOMES AN	D GAR	<b>Tornado (F0)</b> AGE DAMAGED.	
Marlboro County	00	0200EST			0	Δ	<b></b>		T = 1 4 ·	
Clio		INING-CAUS	ED FIRE IN CTORS AND					BURN	<b>Lightning</b> ED A STORAGE	BUILDING
Horry County						~				
2 W Myrtle Beach	<b>09</b> Roof	0245EST S DAMAGED	AND TREES	DOWNED O	0 N BUSH DR	0 IVE, NE	<b>4K</b> AR WACCAM	IAW P	Thunderstorm V OTTERY.	Wind (G55)
Florence County										
Timmonsville to	20	1905EST			0	0			Hail (1.75)	

		Time Local/	Path Length	Path Width	Number Person		Estimated Damage		March 1998
Location	Date	Standard	(Miles)	(Yards)		Injured	Property Crops	Character of Storm	
SOUTH CAROLINA			KYWARN SI	POTTER AND	MEDIA.				
Darlington County									
Birdstown Xrds to Society Hill	20	1905ES 1915ES			0	0		Hail (1.75)	
Society IIII	REPOR			POTTER AND	MEDIA.				
Marlboro County									
Wallace	20	1935ES 1940ES			0	0		Hail (0.75)	
	HAIL I			THE GROUNI	)				
Dillon County									
Oak Grove	20	1953ES			0	0		Hail (0.75)	
	REPOF	<b>1955ES</b> ' RTED BY 91							
Marion County									
Peedee	20	2025ES			0	0		Hail (0.75)	
Dillon County		2030ES	ľ						
Dillon County Latta to	20	2030ES	Г		0	0	10K	Thunderstorn	n Wind (G70)
Lake View		2040ES	Г						
Marian Gamata	STRON	NG WINDS	DAMAGED	HOUSES AND	DOWNED TR	EES, MA	INLY BETWEEN L	ATTA AND LAKE	VIEW.
Marion County Smithboro	20	2100ES	Г		0	0		Hail (1.00)	
Simulou		2105ES	Г			Ū		11un (1100)	
			MERGENCY	MANAGEME	NT				
SOUTH CAROLINA	., North	<u>west</u>							
Greenville County Greenville	08	0000055	г		0	0		Flood	
Greenvine	08	0800ES' 1200ES'			U	U		Flood	
	•	-		arly morning can have a second s	•	River to	rise a foot and a half	above its' flood stag	ge of 8 feet. Other
<b>Oconee County</b>									
2 N Mountain Rest	20	0740ES	Г		0	0		Thunderstorn	n Wind (G50)
York County Rock Hill	20	1410ES	г		0	0		Thunderstorn	wind (G50)
Rock Him	Thunde	rstorms race	d across the U		fter sunrise just	ahead of	f a strong cold front.	One became severe	in Oconee county
							another severe thund		
							d power lines on the on size and power ou		
	area.	on a car an	u onony uup	ped its seeupan	ion Eurge num o	i unino i	in one and power of	anges were also rep	
SOUTH CAROLINA	, South	Coastal							
SCZ044>045		ester - Ber							
	01 31	0000ES 2359ES			0	0		Flood	
				stown crested at	19.2 ft on the 1	9th. Floo	d stage 10.0 ft. The E	Edisto River at Givah	ans Ferry crested
	at 13.6 t	ft on the 21s	t. Flood stage	is 10.0 ft. These	e rivers remaine	ed above	flood stage for the en	tire month.	
Beaufort County	00		<b>F</b>		0				
Bluffton	08	1945ES 1950ES			0	0		Thunderstorn	n Wind (G52)
SOUTH DAKOTA, O	Central a								
SDZ033>036-045-048				yde - Jones -	Lyman				
	06	1900CS		•	0	0		Heavy Snow	
	07 Heavy s	1300CS snow of 6 to		across most of c	entral South D	akota fror	n the evening of the	6th to the afternoon	of the 7th Some
	-						inches at Blunt, Pierr		
			l Lyman cou	inties. Many	activities were	canceled	l and travel was si	gnificantly disrupte	d, especially on
SD7025	Interstat								
SDZ035	Hughe 13	es 1304CS	Т		0	0		High Wind (G	50)
	-•	100100				~		gii , , iniu (O	/

An Clark County 5 S Willow Lake 29 SDZ007>008-011- 018>023 31 He Da ma Ha aft tho car So Clark So Clark Bancroft 29 2 NE Bancroft 29 2 NE Bancroft 29 SDZ038>040-050- Ba 052>069 20	ral and Nor gh winds gusti d 1804. The m 0615C 0618C the Prairie Re rd glider, broke arshall - Roh 1200C 2200C avy snow of 6 kota from noor ny people strai mlin county, a ernoon, 4 mile usands of dolla icceled for Apri ne snowfall at rk and Britton, re included, 12 lmot, and 15 ir neast 0550C 0630C understorm wi ndation, blew 1410C	ing to near 60 n nobile home and CST CST ce out some wind perts - Day - \$ CST CST CST to 15 inches cc n through the la nded, especially n man was injur es west of Lake ars of damage to il 1st. Also, m mounts included , 9 inches at Bry 2 inches at Milbanl CST CST CST CST CST	miles south of V lows, blew off a <b>Spink - Clark</b> ombined with 3 ate evening of a long Intersta red when his si e Norden on H b the semi. The nany activities d, 6 inches at yant and Webst tertown and Bi k.	villow Lake, w barn door, wit <b>c - Codingtor</b> <b>0</b> 0 to 50 mph w the 31st. Many te-29 and High nowmobile stru ighway 28, a c driver of the c and sports eve Doland , Cond er, 10 inches ne g Stone City, <b>0</b> other farm str	ns Injured trailer off 0 vinds gusti h damage <b>h - Grant</b> 2 vinds to ge y roads be way 12. T ick a snow car crossed ar was inju nts were p le, and Ca: ar Peever, 13 inches 0 uctures, bl	ng to over 80 mph sustained to severa t - Hamlin - Deu enerate blizzard con came snowpacked There were some a vplow in Bryant in d the lane and hit ured. Many schools postponed or cance stlewood, 7 inches at Victor, the Wat 100K	Pierre at the intersection of Highv Thunderstorm Wind (G? a uprooted many trees, destroyed a al other buildings.
SOUTH DAKOTA, Centa Hi an Clark County 5 S Willow Lake 29 At SDZ007>008-011- M 018>023 31 He Da Mana Ha aft tho can So Cla Minehaha County 2 SE Brandon 29 SDZ038>040-050- Be 052>069 Da He 31	ral and Nor gh winds gusti d 1804. The m 0615C 0618C the Prairie Re rd glider, broke arshall - Roh 1200C 2200C avy snow of 6 kota from noor ny people strai mlin county, a ernoon, 4 mile usands of dolla icceled for Apri ne snowfall at rk and Britton, re included, 12 lmot, and 15 ir neast 0550C 0630C understorm wi ndation, blew 1410C	tth ing to near 60 n nobile home and CST CST treat located 5 n e out some wind Derts - Day - S CST CST to 15 inches con n through the la nded, especially nan was injur es west of Lake ars of damage to il 1st. Also, n mounts includee , 9 inches at Bry 2 inches at Bry 2 inches at Milbanl CST CST CST CST CST CST CST	nph blew a moi l trailer were de miles south of V lows, blew off a <b>Spink - Clark</b> ombined with 3 ate evening of / along Intersta red when his si e Norden on H b the semi. The nany activities d, 6 inches at yant and Websti tertown and Bi k.	bile home and t stroyed. 0 Willow Lake, w barn door, wit a <b>- Codingtor</b> 0 0 to 50 mph w the 31st. Many te-29 and High nowmobile strut ighway 28, a c driver of the cz and sports eve Doland , Cond er, 10 inches ne g Stone City, 0 other farm stru	trailer off f 0 vinds gusti h damage n - Grant 2 vinds to ge y roads be way 12. T ick a snow car crossed ar was inju nts were p le, and Cas ar Peever, 13 inches 0 uctures, bl	the road north of F ng to over 80 mph sustained to severa t - Hamlin - Deu enerate blizzard con came snowpacked There were some a vplow in Bryant in d the lane and hit ired. Many schools postponed or cance stlewood, 7 inches at Victor, the Waa 100K	Pierre at the intersection of Highv Thunderstorm Wind (G' a uprooted many trees, destroyed a al other buildings. Tel Blizzard Inditions across most of northeast and impossible to travel on which accidents in northeast South Dako a the early evening. Also, in the t a semi. The car was destroyed s were let out early on the 31st am eled and many businesses were co s at Turton and Clear Lake, 8 ind Summit. Snowfall amounts of a f ubay NWR, and Sisseton, 14 ind Thunderstorm Wind (G:
Clark County 5 S Willow Lake 29 SDZ007>008-011- 018>023 31 He Da ma Ha aft tho can So Cla ma Ha aft tho can So Cla ma Ha aft tho can So Cla ma Ha aft tho can So Cla ma Ha aft tho can So Cla ma Ha aft tho can So Cla ma Ha aft tho can So Cla ma Ha aft tho can So Cla ma Ha aft tho can So Cla ma Ha So SOUTH DAKOTA, South Kingsbury County Iroquois to 29 2 NE Bancroft Minnehaha County 2 SE Brandon 29 SDZ038>040-050- Be 052>069 Da Ha South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South South S	gh winds gusti d 1804. The m 0615C 0618C the Prairie Re rd glider, broke <b>arshall - Rol</b> 1200C 2200C avy snow of 6 kota from noor ny people strat mlin county, a ernoon, 4 mile usands of dolla icceled for Apri ne snowfall at rk and Britton. re included, 12 lmot, and 15 in 1205C 0630C understorm wi ndation, blew 1410C	ing to near 60 n nobile home and CST CST ce out some wind perts - Day - \$ CST CST CST to 15 inches cc n through the la nded, especially n man was injur es west of Lake ars of damage to il 1st. Also, m mounts included , 9 inches at Bry 2 inches at Milbanl CST CST CST CST CST	miles south of V lows, blew off a <b>Spink - Clark</b> ombined with 3 ate evening of a long Intersta red when his si e Norden on H b the semi. The nany activities d, 6 inches at yant and Webst tertown and Bi k.	villow Lake, w barn door, wit <b>c - Codingtor</b> <b>0</b> 0 to 50 mph w the 31st. Many te-29 and High nowmobile stru ighway 28, a c driver of the c and sports eve Doland , Cond er, 10 inches ne g Stone City, <b>0</b> other farm str	0 vinds gusti h damage n - Grant 2 vinds to ge way 12. T uck a snow car crosse ar was inju nts were p le, and Ca ear Peever, 13 inches 0 uctures, bl	ng to over 80 mph sustained to severa t - Hamlin - Deu enerate blizzard con came snowpacked There were some a vplow in Bryant in d the lane and hit ured. Many schools postponed or cance stlewood, 7 inches at Victor, the Wat 100K	Thunderstorm Wind (G' a uprooted many trees, destroyed a al other buildings. Tel Blizzard and impossible to travel on which accidents in northeast South Dako a the early evening. Also, in the t a semi. The car was destroyed s were let out early on the 31st and eled and many businesses were of s at Turton and Clear Lake, 8 ind Summit. Snowfall amounts of a fe ubay NWR, and Sisseton, 14 ind Thunderstorm Wind (G:
Clark County 5 S Willow Lake 29 SDZ007>008-011- 018>023 31 He Da ma Ha aft tho car So Cla ma Ha aft tho car So Cla ma Ha aft tho car So Cla ma Ha aft tho car So Cla ma Ha aft tho car So Cla ma Ha aft tho car So Cla ma Ha aft tho car So Cla ma Ha aft tho car So Cla ma Ha aft tho car So Cla ma Ha Aft tho car So Cla ma Ha Aft tho car So Cla ma Ha Aft tho car So Cla ma Ha Aft tho car So Cla ma Ha Aft tho car So Cla ma Ha Aft tho car So Cla Ma Ha Aft tho car So Cla Ma Ha Aft tho car So Cla Ma Ha Aft tho car So Cla Ma Ha Aft tho car So Cla Ma Ha Aft tho Car So Cla Ma Ha Aft tho Car So Cla Ma Ha Aft tho County Iroquois to 29 SDZ038>040-050- Ba Aft So Cla Ma Aft tho County Iroquois to SDZ038>040-050- Ba Aft SDZ038>040-050- Ba Aft SDZ038>040-050- Ba Ha Aft SDZ038>040-050- Ba Ha Aft SDZ038>040-050- Ba Ha Aft SDZ038>040-050- Ba	d 1804. The m 0615C 0618C the Prairie Re rd glider, broke arshall - Role 1200C 2200C avy snow of 6 kota from noor ny people strau mlin county, a ernoon, 4 mile usands of dolla icceled for Apri ne snowfall ar rk and Britton. re included, 12 Imot, and 15 ir 1200C 0630C 0630C understorm wi ndation, blew of 1410C	abile home and CST CST treat located 5 f e out some wind perts - Day - S CST CST to 15 inches cd n through the la nded, especially i man was injur is west of Lake ars of damage to il 1st. Also, n mounts included, 9 inches at Bry 2 inches at Wa inches at Milbanl CST CST CST nds damaged g off shingles, and	miles south of V lows, blew off a <b>Spink - Clark</b> ombined with 3 ate evening of a long Intersta red when his si e Norden on H b the semi. The nany activities d, 6 inches at yant and Webst tertown and Bi k.	villow Lake, w barn door, wit <b>c - Codingtor</b> <b>0</b> 0 to 50 mph w the 31st. Many te-29 and High nowmobile stru ighway 28, a c driver of the c and sports eve Doland , Cond er, 10 inches ne g Stone City, <b>0</b> other farm str	0 vinds gusti h damage n - Grant 2 vinds to ge way 12. T uck a snow car crosse ar was inju nts were p le, and Ca ear Peever, 13 inches 0 uctures, bl	ng to over 80 mph sustained to severa t - Hamlin - Deu enerate blizzard con came snowpacked There were some a vplow in Bryant in d the lane and hit ured. Many schools postponed or cance stlewood, 7 inches at Victor, the Wat 100K	Thunderstorm Wind (G' a uprooted many trees, destroyed a al other buildings. Tel Blizzard and impossible to travel on which accidents in northeast South Dako a the early evening. Also, in the t a semi. The car was destroyed s were let out early on the 31st and eled and many businesses were of s at Turton and Clear Lake, 8 ind Summit. Snowfall amounts of a fe ubay NWR, and Sisseton, 14 ind Thunderstorm Wind (G:
5 S Willow Lake 29 SDZ007>008-011- 018>023 31 He Da ma Ha aft thc car So Cla mo SOUTH DAKOTA, South Kingsbury County Iroquois to 29 2 NE Bancroft Th for Minnehaha County 2 SE Brandon 29 SDZ038>040-050- Be 052>069 Da Hc 31	0618C the Prairie Re rd glider, broke arshall - Role 1200C 2200C avy snow of 6 kota from noor ny people strau mlin county, a ernoon, 4 mile usands of dolla icceled for Apri ne snowfall ar rk and Britton. re included, 12 lmot, and 15 ir neast 0550C 0630C understorm wi ndation, blew of 1410C	CST treat located 5 r e out some wind perts - Day - S CST CST to 15 inches co n through the la nded, especially n man was injur is west of Lake ars of damage to il 1st. Also, n mounts included, 9 inches at Bry 2 inches at Wa inches at Milband	lows, blew off a Spink - Clark ombined with 3 ate evening of 4 along Intersta red when his si e Norden on H b the semi. The nany activities d, 6 inches at yant and Websta tertown and Bi k.	Willow Lake, w barn door, wit <b>c Codingtor</b> <b>0</b> 0 to 50 mph w the 31st. Many te-29 and High nowmobile stru ighway 28, a of driver of the ca and sports eve Doland , Cond er, 10 inches ne g Stone City, <b>0</b> other farm stru	vinds gusti h damage <b>1 - Grant</b> <b>2</b> vinds to ge way 12. T tick a snow car crosse ar was inju nts were p le, and Car ear Peever, 13 inches <b>0</b> uctures, bl	sustained to severa <b>t</b> - Hamlin - Deu enerate blizzard con- ccame snowpacked There were some a vplow in Bryant in d the lane and hit ired. Many schools postponed or cance stlewood, 7 inches at Victor, the Wat 100K	a uprooted many trees, destroyed a al other buildings. <b>Blizzard</b> Inditions across most of northeast and impossible to travel on which accidents in northeast South Dako a the early evening. Also, in the t a semi. The car was destroyed s were let out early on the 31st and eled and many businesses were of s at Turton and Clear Lake, 8 ind Summit. Snowfall amounts of a for ubay NWR, and Sisseton, 14 ind Thunderstorm Wind (G
SDZ007>008-011- 018>023 31 He Da ma Ha aft tho can So Cla wi SOUTH DAKOTA, South Kingsbury County Iroquois to 29 2 NE Bancroft Th for Minnehaha County 2 SE Brandon 29 SDZ038>040-050- Ba 052>069 Ba	rd glider, broke arshall - Rok 12000 22000 avy snow of 6 kota from noo: ny people strai mlin county, a ernoon, 4 mile usands of dolla icceled for Apri- me snowfall ar urk and Britton, re included, 12 lmot, and 15 ir neast 05500 06300 understorm wi ndation, blew of 14100	e out some wind <b>Derts - Day - S</b> <b>CST</b> <b>CST</b> to 15 inches co n through the la nded, especially t man was injur es west of Lake ars of damage to il 1st. Also, n mounts includee , 9 inches at Bry 2 inches at Wa nches at Milbanl <b>CST</b> <b>CST</b> off shingles, and	lows, blew off a Spink - Clark ombined with 3 ate evening of 4 along Intersta red when his si e Norden on H b the semi. The nany activities d, 6 inches at yant and Websta tertown and Bi k.	0 0 to 50 mph w the 31st. Many e-29 and High nowmobile stru ighway 28, a a driver of the ca and sports eve Doland , Cond er, 10 inches ne g Stone City, 0 other farm stru	h damage h - Grant 2 yinds to ge y roads be way 12. T ick a snow car crossed ar was inju le, and Ca: ar Peever, 13 inches 0 uctures, bl	sustained to severa <b>t</b> - Hamlin - Deu enerate blizzard con- ccame snowpacked There were some a vplow in Bryant in d the lane and hit ired. Many schools postponed or cance stlewood, 7 inches at Victor, the Wat 100K	al other buildings. Tel Blizzard and impossible to travel on white accidents in northeast South Dako in the early evening. Also, in the t a semi. The car was destroyed is were let out early on the 31st and eled and many businesses were c is at Turton and Clear Lake, 8 ind Summit. Snowfall amounts of a fue ubay NWR, and Sisseton, 14 ind Thunderstorm Wind (GS
018>023 31 He Da ma Ha aft tha aft tha car So Cla ma So Cla ma So So So Cla ma So So Cla ma So	12000 22000 avy snow of 6 kota from noor ny people strau mlin county, a ernoon, 4 mile usands of dolla icceled for Apri me snowfall ar irk and Britton, re included, 12 lmot, and 15 ir neast 05500 06300 understorm wi ndation, blew of 14100	CST construction of the second of the secon	ombined with 3 ate evening of 4 along Intersta red when his su e Norden on H b the semi. The nany activities d, 6 inches at yant and Websta tertown and Bi k.	0 0 to 50 mph w the 31st. Many ee-29 and High owmobile stru ighway 28, a of driver of the ca and sports eve Doland , Cond er, 10 inches ne g Stone City, 0 other farm stru	2 vinds to ge y roads be way 12. T ick a snow car crossed ar was inju nts were p le, and Car ear Peever, 13 inches 0 uctures, bl	enerate blizzard cor ccame snowpacked There were some a vplow in Bryant in d the lane and hit ured. Many schools postponed or cance stlewood, 7 inches and 11 inches at S at Victor, the Wat <b>100K</b>	Blizzard nditions across most of northeast and impossible to travel on which accidents in northeast South Dako in the early evening. Also, in the t a semi. The car was destroyed is were let out early on the 31st and eled and many businesses were of a trutton and Clear Lake, 8 ind Summit. Snowfall amounts of a fu ubay NWR, and Sisseton, 14 ind Thunderstorm Wind (GS
He Da ma Ha aft thc can So Cla mc Wi SOUTH DAKOTA, South Kingsbury County Iroquois to 29 2 NE Bancroft Th fou Minnehaha County 2 SE Brandon 29 SDZ038>040-050- Be 052>069 Da He 31	22000 avy snow of 6 kota from noo ny people strai mlin county, a ernoon, 4 mile usands of dolla iccled for Apri- ne snowfall ar irk and Britton, re included, 12 lmot, and 15 ir neast 05500 06300 understorm wi ndation, blew 14100	CST to 15 inches con n through the la nded, especially a man was injur es west of Lake ars of damage to il 1st. Also, n mounts includee , 9 inches at Bry 2 inches at Bry 2 inches at Milband CST CST CST off shingles, and	ate evening of along Intersta red when his su- Norden on H to the semi. The many activities d, 6 inches at yant and Websti tertown and Bi k. grain bins and	0 to 50 mph w the 31st. Many e-29 and High nowmobile stru- ighway 28, a d driver of the ca and sports eve Doland , Cond er, 10 inches ne g Stone City, 0 other farm stru	vinds to ge y roads be way 12. T ick a snow car crossed ar was inju nts were p le, and Cas ar Peever, 13 inches <b>0</b> uctures, bl	ecame snowpacked There were some a vplow in Bryant in d the lane and hit ured. Many schools postponed or cance stlewood, 7 inches , and 11 inches at S at Victor, the Wat <b>100K</b>	nditions across most of northeast and impossible to travel on which accidents in northeast South Dako in the early evening. Also, in the t a semi. The car was destroyed s were let out early on the 31st and eled and many businesses were of s at Turton and Clear Lake, 8 ind Summit. Snowfall amounts of a fubay NWR, and Sisseton, 14 ind Thunderstorm Wind (GS
Da ma Ha aft tho ca So Cla mo Wi SOUTH DAKOTA, South Kingsbury County Iroquois to 29 2 NE Bancroft Th fou Minnehaha County 2 SE Brandon 29 SDZ038>040-050- Ba 052>069 Da Ho	kota from noon ny people stran mlin county, a ernoon, 4 mile usands of dolla icceled for Apri- ne snowfall an rk and Britton, re included, 12 lmot, and 15 in <b>teast</b> 05500 06300 understorm wi ndation, blew 14100	n through the la nded, especially a man was injur as west of Lake ars of damage to il 1st. Also, n mounts included , 9 inches at Bry 2 inches at Bry 2 inches at Wa nches at Milbanl CST CST nds damaged g off shingles, and	ate evening of along Intersta red when his su- Norden on H to the semi. The many activities d, 6 inches at yant and Websti tertown and Bi k. grain bins and	the 31st. Many te-29 and High nowmobile stru- ighway 28, a of driver of the ci- and sports eve Doland , Cond er, 10 inches ne g Stone City, 0 other farm stru	y roads be way 12. T ick a snow car crosse ar was inju nts were p le, and Cas ar Peever, 13 inches <b>0</b> uctures, bl	ecame snowpacked There were some a vplow in Bryant in d the lane and hit ured. Many schools postponed or cance stlewood, 7 inches , and 11 inches at S at Victor, the Wat <b>100K</b>	and impossible to travel on which accidents in northeast South Dako in the early evening. Also, in the t a semi. The car was destroyed s were let out early on the 31st and eled and many businesses were of s at Turton and Clear Lake, 8 ind Summit. Snowfall amounts of a fe ubay NWR, and Sisseton, 14 ind Thunderstorm Wind (GS
Kingsbury County Iroquois to 29 2 NE Bancroft Th fou Minnehaha County 2 SE Brandon 29 SDZ038>040-050- 052>069 Da He 31	0550C 0630C understorm wi ndation, blew 1410C	CST inds damaged g off shingles, and		other farm str	uctures, bl		
Iroquois to 29 2 NE Bancroft Minnehaha County 2 SE Brandon 29 SDZ038>040-050- Be 052>069 Da He 31	06300 understorm wi ndation, blew 14100	CST inds damaged g off shingles, and		other farm str	uctures, bl		
2 NE Bancroft Th for Minnehaha County 2 SE Brandon 29 SDZ038>040-050- Be 052>069 Da He 31	06300 understorm wi ndation, blew 14100	CST inds damaged g off shingles, and		other farm str	uctures, bl		
Th for Minnehaha County 2 SE Brandon 29 SDZ038>040-050- Be 052>069 Da He 31	understorm wi ndation, blew 1410C	nds damaged g off shingles, and				lew the wall of a	garage, moved another garage
2 SE Brandon 29 SDZ038>040-050- Be 052>069 Da He 31		ХСТ Т		U	and tree da		
SDZ038>040-050- Be 052>069 Da He 31				٥	0		II (0.55)
052>069 Da He 31			tings - Grego	rv - Jerauld	0 - Sanbor	n - Miner - Lak	Hail (0.75) ke - Moody - Brule - Aurora
31	vison - Hans	son - Mccook					son - Turner - Lincoln - Bon
	08000 - Yank 08000			0	0	140K	Heavy Snow
	23000	CST		-			•
							es resulting in power outages. The 5 inches was reported.
SOUTH DAKOTA, West	in also eaused	aree dallinge in		and where an			, meneo was reportedi
	orthern Blac	k Hills					
01	0001N 1800N			0	0		Blizzard
	powerful winte	er storm which b					thern Black Hills for five days. Bl is high as seven feet deep.
		Hills - Souther	rn Foot Hills	- Central Bla	ack Hills	- Southern Bla	ck Hills - Fall River Co
Sh 04	annon 0400N	AST		0	3		Heavy Snow
	1600N	AST					-
the	southern Black						ow amounts of five to eight inche ue to slick roads. One accident rej
SDZ026>027-031- Ce		Iills - Souther	rn Foot Hills	- Penningtor	n Plains -	- Fall River Co.	- Shannon - Jackson - Benn
06	0800N	AST		0	0		Heavy Snow
<b>07</b> An	0900N other winter sto		avy snow to so	thwest and sou	ith central	South Dakota Acc	cumulations ranged from 5 to 12 i

		Time Local/	Path Length	Path Width	Numbe Perso		Estim Dam		March 1
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm
SOUTH DAKOTA, W	Vest								
SDZ001-012-012>014-		na - Butto - N	leade Co	Plaine - 7ia	hach - Nortl	horn Rle	ock Hills - 1	Norther	n Foot Hills - Central Foot
024>032-041>043		8							r Plains - Pennington Plain
		on - Fall Rive					Juck IIII	Cubie	
	28	0400MST			0	0			Winter Storm
	29	2100MST							-hthto-l Cth D-ht-
			1	U					gh south central South Dakota. ern Black Hills where 12 to 18
		lations were co	5	ast and south	of the black	i iiis ailu		and south	ern Black mills where 12 to 16
<b>FENNESSEE, Centra</b>									
Maury County	-								
1.5 S Bryant Station to	08	1605CST	1	220	0	0	0	0	Tornado (F0)
1.5 SE Bryant Station		1606CST	_		-	-	-		10111110 (10)
	A worr	nan saw a tornad	lo from her h	iome.					
Davidson County									
Inglewood	08 Longo (	1710CST tree limbs were	hlorun dorun		0	0			Thunderstorm Wind (G5
Maana Canata	Large	liee lillios were	biowii dowii.						
Moore County Lynchburg	08	1745CST			0	0			Thunderstorm Wind (G5
Lynchburg			used by the c	tity's fire depa	-		strong thund	lerstorm v	winds. Some of the 250 gallons
		into a nearby cr	•	<b>,</b> 1			C		C C
Wilson County									
Statesville	08	1810CST			0	0			Thunderstorm Wind (G5
	The hig	ghway departme	ent reported a	tree was blow	vn down on H	arden Ho	llow Rd.		
Sumner County	00	1025007			٥	0			
Pleasant Grove	08 The his	1825CST ghway departme	ent reported ?	s trees were bl	0 own down on	0 Pleasant	Grove Rd		Thunderstorm Wind (G5
Decatur County	1110 1112	Bindy departing	in reported t		o win do win on	1 iousuiii	orove real		
Decaturville	19	1731CST			0	0	30K		Thunderstorm Wind (G5
	6 home	es sustained roo	f damage. Lo	ts of trees blo	wn down. 3 p	olice ante	ennas were b	lown dow	'n.
Franklin County									
Winchester	19	2310CST			0	0			Hail (1.00)
	Quarte	2311CST r size hail repor	ted						
Marion County	Quarte	i size nan repor	icu.						
South Pittsburg	19	2330CST			0	0			Hail (0.75)
South I hasburg		2333CST			Ŭ	Ŭ			((((((((((((((((((((((((((((((((((((((
	EMA o	official reported	dime size ha	il that covered	l the ground.				
Marion County									
Jasper	19	2335CST 2339CST			0	0	100K		Thunderstorm Wind
	Strong		vinds blew t	he roof off the	e cafeteria of	the Jaspe	r Middle Scl	hool. Ma	ny trees were blown down. So
									an's car. Building damage was do
	a chiro	practor's office.	About 15 ro	ads were close	ed due to down	ned trees	around Jaspe	r.	
Bledsoe County									
Lees Station	19	2350CST			0	0			Thunderstorm Wind (G5
G	Sneriii	's office reporte	a treed down	l.					
Sequatchie County	19	2350CST			0	0			Hail (0.75)
Dunlap	19	2353CST 2353CST			0	U			Hall (0.75)
	Dime s	size hail covered	the ground.						
Sequatchie County									
Dunlap	19	2350CST			0	0	50K		Thunderstorm Wind (G5
	Some 1	2353CST	los more d-	naged from 1	wined trees !-	the Day-	h Croals are -		
Mason Court-	Some I	homes and vehic	ties were dar	naged from do	owned trees in	the Brus	ii Creek area		
Macon County	31	1900CST			0	0	2K		Thunderstorm Wind
Lafayette	31	1900CST 1901CST			U	U	21		I nunuer storm wind
	Strong	thunderstorm w	inds blew do	wn 2 TVA ut	ility poles				

		Time Local/	Path Length	Path Width	Numbe Persor		Estimated Damage		March 1998
Location	Date	Standard	(Miles)	(Yards)	Killed	ns Injured	0	rops C	haracter of Storm
<u> TENNESSEE, East</u>									
Hamilton County									
Soddy Daisy to	20	0122EST	ſ		0	0		8K	Tstm Wind/Hail
3 SE Soddy Daisy	_	0130EST				_			
	Lots o	of trees down n	ear Sequoyal	Nuclear Power	Plant blocking	g roads.			
Rhea County	20	014050	n		0		2512		
Countywide	20	0140EST		wton was over	0 Turnad Eaur	4	25K sustained minor	75K	Thunderstorm Wind
				hout power imm				injuries.	Trees down throughout county.
<b>Roane County</b>	noun	a 2000 custon	iers were wit	liout power min	louidely follow	ing the s			
Countywide	20	0200EST	r		0	0		10K	Tstm Wind/Hail
County white				hout power duri			rm.	1011	i still vv ilitu/ Hall
Loudon County				<b>I</b>	8 <b>,</b>				
3 SW Loudon	20	0220EST	Г		0	0			Hail (0.75)
e o n Loudon		ail reported on							
Anderson County		1	0.						
Oak Ridge	20	0245EST	ſ		0	0		10K	Thunderstorm Wind
<u>-</u>		down in Fairvi	iew Subdivisi	on.					
Union County									
8 SW Maynardville	20	0315EST	Г		0	0		10K	Thunderstorm Wind
	Trees	down across H	Inds Valley	Rd.					
TENNESSEE, West			-						
Shelby County									
Memphis	19	1420CST	Г		0	5			Lightning
wiempins				lents were injure	v		k the tree they w	vere unde	
Fayette County				j					
Hebron	19	1440CS7	Г		0	0	5K		Thunderstorm Wind
11001011		1445CST			Ū	Ū			
	Sever	al trees and po	wer lines we	re knocked down	n.				
Shelby County									
Arlington	19	1525CST	Г		0	0	5K		Thunderstorm Wind
		1530CST							
	Some	telephone pol	es and power	lines were blow	n down.				
Haywood County			_						
Brownsville	19	1600CST			0	0	5K		Thunderstorm Wind
	Some	1605CST cable and pho		knocked down.					
Madican County	bome	cubic and pho	ne mes were	KHOCKEG GOWII					
Madison County Jackson	19	1645CST	г		0	0	5K		Thunderstorm Wind
Jackson	D	1650CST			U	U	JX		Thunderstorm wind
	Sever	al trees and sig		vn down.					
Madison County		-							
Bemis	19	1700CST	Г		0	0	1K		Thunderstorm Wind
		1705CST							
	The w	vindows of a fi	arniture store	were blown out	•				
Henderson County									
Lexington	19	1715CST			0	0	0.01K		Hail (0.75)
		1720CST	ſ						
Henderson County			_						
Chesterfield	19	1725CST			0	0	1K		Thunderstorm Wind
	Some	1730CS trees and pow		knocked down	in the eastern r	art of He	enderson county.		
TEVAS Control	Some	acco una pow	er mies wele	intered down	uie eusterii p				
<u>TEXAS, Central</u>									
Tom Green County	~-		-		~	~			
Vancourt	07	1336CST	ľ		0	0			Hail (0.75)
Sutton County									
Sutton County 12 E Sonora	07	1430CST	Г		0	0			Hail (1.00)
Sutton County	07 07	1430CST 1438CST			0 0	0 0			Hail (1.00)

		Time	Path	Path	Numbe		Estimated	March 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Person Killed	ns Injured	Damage Property Crops	Character of Storm
TEXAS, Central								
Concho County Paint Rock	07	1500CS	Г		0	0		Hail (0.75)
Brown County 1 N Brownwood	<b>07</b> A roo	1618CS of was blown o			0	0	2K	Thunderstorm Wind
Nolan County Sweetwater	15	1655CST 1920CST			0	0		Flash Flood
	Street	t flooding repo		water				
Sutton County 10 E Sonora	15	1910CS	Г		0	0		Hail (1.50)
TEXAS, Central Sout	<u>theast</u>							
Trinity County Trinity	07	0812CS	Г		0	0	3K	Hail (0.88)
Jackson County 3 SE Morales	07	2335CST	г		0	0	2K	Hail (0.75)
Wharton County	07	255505	L		U	U	28	Hall (0.75)
El Campo Brazoria County	07	2359CST	Г		0	0	3K	Hail (0.75)
Angleton	16	1030CS 1130CS			0	0	3К	Flash Flood
TEXAS, Extreme We		t flooding.						
TXZ055	<u>sı</u> El Pa	200						
172033	26	1130MS 2315MS			0	0	125K	High Wind (G54)
				onsiderable blo d significant ro		ich appa	rently contributed to	several automobile accidents. Two
TEXAS, Mid - South								
Nueces County Robstown	07	0005CS1 0010CS1			0	0		Hail (1.00)
	Nume	erous reports o		l hail.				
Jim Wells County Alice	07	0007CS1	Г		0	0		Hail (1.00)
Nueces County Corpus Christi	07	0020CST 0030CST			0	0		Hail (1.75)
	Nume	erous reports of		d hail.				
San Patricio County								
Taft Aransas County	07	0030CS1			0	0		Hail (0.75)
Rockport Duval County	07	0035CS1			0	0		Hail (1.00)
Freer	07	2315CST	Г		0	0		Hail (0.75)
Bee County Tuleta	07	2320CST	Г		0	0		Hail (0.75)
Goliad County Weesatche Victoria County	07	2320CS	Г		0	0		Hail (0.75)
Mission Vly	07	2340CS	Г		0	0		Hail (0.75)
Duval County San Diego	07	2345CST	Г		0	0		Hail (0.75)
La Salle County Cotulla	16	0100CST 0130CST			0	0		Thunderstorm Wind (G60)

		Time Local/	Path Length	Path Width	Number		Estimat Damag		March 199
Location	Date	Standard	(Miles)	(Yards)		Injured	Property	e Crops	Character of Storm
TEXAS, Mid - South									
	Num gusts		f several tree	es blown down	and uprooted	along w	ith damage to	mobile	homes by strong thunderstorm with
Mcmullen County	gusts								
10 N Tilden	16	0145CST		. 11 1	0	0		1' 1	Thunderstorm Wind (G60)
Live Oak County	INW5	spotter report of	or numerous	trees blown dow	wn and uproote	d. A bai	m door was dei	nolishe	d along with a shed and a wind mill
Whitsett	16	0215CST			0	0			Thunderstorm Wind (G52)
	Law	enforcement off	ficer report o	of a 60 mph thur	derstorm wind	l gust.			
Victoria County 8 SE Victoria	16	0545CST			0	0			Thunderstorm Wind (G50)
0.52 (10001				e to a roof and a		Ŭ			
<u>TEXAS, North</u>									
Eastland County		0.510.007			0	0	0	0	TT () (0 ==)
2 NE Gorman Wise County	07	0710CST			0	0	0	0	Hail (0.75)
Wise County Alvord	07	0710CST			0	0	0	0	Hail (0.75)
Palo Pinto County									
Gordon	07	0800CST			0	0	0	0	Hail (1.50)
Erath County 4 W Stephenville	07	0810CST			0	0	0	0	Hail (0.75)
Palo Pinto County	07	0010001			Ū	v	v	Ū	Han (0.75)
Palo Pinto Res	07	0830CST			0	0	0	0	Hail (0.75)
Palo Pinto County	07	0020000			0	0	٥	0	TT () (0 ==)
Lone Camp Lamar County	07	0838CST			0	0	0	0	Hail (0.75)
Powderly	07	1300CST			0	0	0	0	Hail (0.75)
Lamar County									
Chicota	07	1303CST			0	0	0	0	Hail (0.75)
Tarrant County Watauga	15	2150CST			0	0	0	0	Hail (0.88)
Tarrant County									
North Richland Hills	15	2155CST			0	0	0	0	Hail (1.75)
Tarrant County Keller	15	21 <i>54</i> 09T			٥	0	0	0	Hail (1.00)
Tarrant County	15	2156CST			0	U	U	U	Hail (1.00)
North Richland Hills	15	2159CST			0	0	0	0	Hail (1.00)
Denton County									
Argyle	15	2210CST			0	0	0	0	Hail (1.00)
Comanche County Countywide	16	0145CST			0	0	0	0	Flash Flood
	Some	e county roads v	vere flooded.						
Somervell County	16	0000000			0	0	0	0	
Countywide	16 Some	0220CST e county roads v		and barricaded.	0	0	0	0	Flash Flood
Erath County		2							
Countywide	16	0228CST			0	0	0	0	Flash Flood
Coryell County	Sever	ral roads were f	looded.						
Countywide	16	0440CST			0	0	0	0	Flash Flood
·	N	0853CST							
Lampasas County	num	erous county roa	aus were floo	uea.					
Countywide	16	0440CST			0	0	0	0	Flash Flood
	Num	erous roads wer	e closed by l	high water and 2	25 persons were	e evacua	ted from their	nomes.	
Bosque County	17	0500000			Δ	•	Δ	•	Flock Flood
Cranfills Gap	16	0508CST			0	0	0	0	Flash Flood

	-	Time Local/	Path Length	Path Width	Numbe Perso		Estimated Damage			March 1998
location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property C	Crops	Character of Storm	
TEXAS, North	True (	fact of water w		) of the Homilto	n County line					
Mclennan County Lorena	16	0530CS	Г	2 at the Hamilto roof, blew down	0	0 nd uproot	<b>2.5K</b> ed trees	0	Thunderstorm	ı Wind
Lampasas County Countywide	16	0550CST 0845CST	ſ		0	0	0	0	Flash Flood	
	All co	ounty roads we		d closed.						
Bell County Countywide	<b>16</b> Nume	0600CS berous roads we		nigh water.	0	0	0	0	Flash Flood	
Hood County Countywide	16 Wides	0602CS spread flooding		g areas was repo	0 orted.	0	0	0	Flash Flood	
Johnson County West Portion	<b>16</b> All co	0607CS punty roads we		e were flooded.	0	0	0	0	Flash Flood	
Tarrant County Ft Worth	<b>16</b> Old G	0610CS Granbury Road		Road were floo	0 oded.	0	0	0	Flash Flood	
Tarrant County Haltom City	16 Rising	0615CS		ming hours force	0 ed evacuation	0 of severa	0 I residences.	0	Flash Flood	
Tarrant County Euless	16 A wo	0620CS man was rescu		ng her vehicle i	0 nto high water.	0	15K	0	Flash Flood	
Parker County Countywide	<b>16</b> Nume	0630CS		oded. In Aledo.	0 two cars were	<b>0</b> washed	<b>15K</b> off low water cr	0 ossing	Flash Flood	
Denton County Countywide	16	0640CS erous county ro	Г		0	0	0	0	Flash Flood	
Eastland County Eastland	16	0642CST al streets were	Г		0	0	0	0	Flash Flood	
Stephens County Countywide	<b>16</b> One r	0645CS oad was flood		nded.	0	0	0	0	Flash Flood	
Erath County Stephenville	<b>16</b> At the	0647CS	Ր of SH 8 and S	H 108, a truck	<b>0</b> was swept off t	0 he road t	15K by high water an	0 d carri	Flash Flood ed 100 yards.	
Wise County Countywide	<b>16</b> Pope	<b>0647CS</b> Road, FM 165		55 were closed	<b>0</b> by high water.	0	0	0	Flash Flood	
Tarrant County Kennedale	<b>16</b> Some	0800CST streets were c		water.	0	0	0	0	Flash Flood	
Bosque County Meridian	<b>16</b> A car	1010CS was washed o		high water.	0	0	15K	0	Flash Flood	
Bosque County Valley Mills	<b>16</b> A brie	1653CS 1653CS		0 eported.	0	0	0	0	Tornado (F0)	
Collin County Mc Kinney	<b>16</b> A sma	<b>1905CS</b> all tornado mo			<b>0</b> aging 35 home	0 s. Some	200K cars were dama	0 ged by	<b>Tornado (F1)</b> / flying debris.	
Bosque County Clifton	16	2100CS	Г		0	0	0	0	Flash Flood	

		Time Local/	Path Length	Path Width	Number Persor		Estim: Dama		March 1	
Location	Date	Standard	(Miles)	(Yards)		Injured	Property	Crops	Character of Storm	
<u> TEXAS, North</u>										
		age on the No damage was		iver at Clifton	measured the s	econd h	ighest volum	e of wate	r since records bega	n in 1923. Only
Tarrant County Benbrook Lake	16	2100CS	Г	oded and destro	0 byed by rapid ris	0 ses in the	<b>0</b> e lake level.	0	Flood	
Grayson County Sherman	<b>18</b> Thund	2330CS lerstorm wind		um roofing ont	<b>0</b> o power lines.	0	1.5K	0	Thunderstorm	Wind (G63)
Grayson County Pottsboro	<b>18</b> A radi	2340CS o tower was b	<b>F</b> blown down by	y high winds.	0	0	0	0	Thunderstorm	Wind
Dallas County Duncanville	19	0120CS			0	0	0	0	Hail (0.75)	
Hill County Itasca	19	0130CS	Г		0	0	0	0	Hail (0.75)	
Limestone County Mexia	19	0300CS	Г		0	0	0	0	Hail (1.75)	
Freestone County Teague	19	0310CS	Г		0	0	0	0	Hail (0.75)	
Cooke County 2 E Muenster	<b>19</b> Thund	2300CS lerstorm wind		a fence, some tr	<b>0</b> rees, and some	0 telephon	<b>2K</b> e poles.	0	Thunderstorm	Wind
Cooke County 1 S Dexter	19	2310CS			0	0	0	0	Thunderstorm	Wind
Hood County 2 W Granbury	27 Wind	0130CS damage was r			0	0	0	0	Thunderstorm	Wind
Tarrant County Arlington	28	0000CS	Г	eeled back by h	<b>0</b> igh winds. Wa	0 iter dama	15K age occurred	0 to the inte	Thunderstorm erior from rain.	Wind
Young County Olney	30	1300CS	Г		0	0	0	0	Hail (0.75)	
Montague County Nocona	30	1500CS	Г		0	0	0	0	Hail (0.75)	
Montague County Forestburg	30	1600CS	Г		0	0	0	0	Hail (1.00)	
Cooke County Muenster	30	1606CS	Г		0	0	0	0	Hail (1.50)	
Cooke County 2 E Muenster Cooke County	30	1610CS	Г		0	0	0	0	Hail (2.00)	
1 E Muenster Cooke County	30	1613CS	Г		0	0	0	0	Hail (1.50)	
8 E Marysville	30 Large	1640CS hail was repo		H. Moss Lake.	0	0	0	0	Hail (1.75)	
Anderson County 1 NW Palestine	30	1700CS			0	0	0	0	Thunderstorm	Wind (G52)
Denton County 2 W Aubrey	<b>30</b> Thund	1720CS		40 foot trailer,	0 damaged a hors	0 se barn, a	<b>30K</b> and blew dow	<b>0</b> on five po	<b>Thunderstorm</b> wer poles.	Wind
Tarrant County 8 W Ft Worth	30	1730CS			0	0	0	0	Hail (0.88)	
Tarrant County South Lake	30	1745CS			0	0	0	0	Hail (0.75)	

		Time	Path	Path	Number	of	Estimate	d	March 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed I	s njured	Damage Property	e Crops	Character of Storm
<u>TEXAS, North</u>									
Tarrant County	20	1000 000			0	0	0	0	
1 W Crowley Tarrant County	30	1809CS	Ľ		0	0	0	0	Hail (0.75)
1 N Crowley	30	1810CS	Г		0	0	0	0	Hail (0.88)
Tarrant County	20	1020.00	F		٥	0	0	0	
Arlington Kaufman County	30	1828CS	L		0	0	0	0	Hail (0.75)
2 NE Mabank	30	2115CS			0	0	5K	0	Thunderstorm Wind
Von Zondt County	Thunc	derstorm wind	s blew down	large tree limbs	and a barn.				
Van Zandt County Jackson	30	2120CS	Г		0	0	0	0	Thunderstorm Wind
	Thunc	lerstorm wind	s blew down	a large tree.					
Van Zandt County Grand Saline	30	2125CS	Г		0	0	0	0	Hail (0.75)
Van Zandt County	50	212505			v	U	0	U	Han (0.73)
Grand Saline	30	2125CS			0	0	2.5K	0	Thunderstorm Wind
TEXAS, North Panha		derstorm wind	s blew down	a carport.					
TXZ001>005		m - Sherma	n - Hansfo	rd - Ochiltree	- Linscomh				
11120012002	07	1700CS	Г	iu ocinicie	0	0			Blizzard
	<b>08</b> A low	0600CS		er levels of the	atmosphere over	the Tex	as South Plain	s and a	very cold and moist air mass across
	the no	rthern Texas I	Panhandle pro	oduced blizzard	conditions with	sustaine			mph to 40 mph and visibilities near
TV7007.017			-	•	e to three inch ra	•	Detter C		Course With colory Doof South
TXZ006>017	- Ran		- Hutchins	on - Roberts -	Hemphill - C	Jidnam	i - Potter - C	arson	- Gray - Wheeler - Deaf Smith
	07 08	1900CS			0	0			Blizzard
TXZ018>020		1900CS strong - Dor		ngsworth					
	07	1900CS	Г	8	0	0			Blizzard
	<b>08</b> A low	0600CS pressure syst		per atmosphere	over the Texas	South P	Plains and a ve	ry cold	and moist air mass over the Texas
									ph and gusts near 50 mph along with
									ral Texas Panhandle and one to four were closed Saturday night through
			•		•	e strong	winds were co	mmon	across all of the Texas Panhandle.
TXZ003-008-012-017	Hans 16	ford - Hutcl 1200CS		tter - Randall	0	0			Heavy Snow
	17	0000CS	Г						-
									d much colder and more moist air to inch range across the central Texas
		ndle from this			wian totals were	general	ily ill the total	10 11/0	men lange across the central Texas
TXZ001>005				rd - Ochiltree	- Lipscomb				
	18 19	2200CS 1000CS			0	0			Heavy Snow
									d Oklahoma Panhandles ushering in
					and tweleve inch				nged from four to eight inches across
<b>Oldham County</b>	ľ			0				-	
Vega to 1 E Vega	26	2050CS 2057CS			0	0			Hail (1.00)
1 2 · · · · · · ·	A seve			west of Amaril	lo producing larg	ge hail.			
Ochiltree County	20	<b>222</b> 0.000	F		•	0			II (0.75)
Perryton Ochiltree County	29	2338CS	L		0	0			Hail (0.75)
3 W Perryton to	29	2351CS			0	0			Hail (0.88)
<b>3 SW Perryton</b>		2355CS	Г						

	St	orm D	ata ar	nd Unus	sual W	eath	er Phenon	nena	
		Time Local/	Path Length	Path Width	Number Person		Estimated Damage		March 1998
Location	Data	Standard	(Miles)	(Yards)		Injured	Property Crops	Character of Storm	
TEXAS, North Panha	andle								
Hemphill County 3 W Canadian	<b>30</b> Severe tl	0053CST hunderstorms	across the ne	ortheast Texas I	<b>0</b> Panhandle prod	0 uced lar	ge hail late at night.	Hail (0.75)	
Ochiltree County 5 S Perryton		<b>1830CST</b> e thunderstorn ochiltree count			<b>0</b> Panhandle produ	0 aced larg	ge hail which covered	Hail (0.88) the ground one inch	deep as reported
<u>TEXAS, Northeast</u>									
Bowie County Texarkana	<b>05</b> Nickel a	1630CST and quarter siz	e hail report	ed along I-30 n	0 near state line.	0		Hail (1.00)	
Wood County 2 SW Quitman	07	0315CST			0	0		Hail (0.75)	
Franklin County 5 W Mt Vernon	07	0523CST			0	0		Hail (1.50)	
Angelina County Huntington Sabina County	07	0805CST			0	0		Hail (0.75)	
Sabine County 10 N Hemphill Sabine County	07	0900CST			0	0		Hail (0.75)	
10 N Hemphill	07	0900CST			0	0		Hail (0.75)	
Nacogdoches County 2 NE Appleby Wood County	07	1000CST			0	0		Hail (0.75)	
4 SW Quitman	<b>30</b> Thunder	2145CST rstorm winds	ore a roof of	ff a home with a	0 a few upstairs v	0 vindows	25K blown out near the in	Thunderstorm tersection of CR 210	
Wood County 5 E Quitman	<b>30</b> Several	2245CST powerlines we	ere down eas	st of town leadin	0 ng to power out	0 ages.	5K	Thunderstorm	Wind (G60)
Wood County 4 S Quitman	<b>30</b> Thunder	2245CST rstorm winds	olew the roo	f off a carport .	0	0	2K	Thunderstorm	Wind (G60)
Smith County Tyler Pounds Arpt	30	2305CST			0	0		Hail (1.00)	
Smith County 4 SW Tyler	<b>30</b> Gust me	2305CST easured by cer	tified Skywa	urn Storm Spott	<b>0</b> er.	0		Thunderstorm	Wind (G65)
Smith County 9 SE Tyler	30	2320CST			0	0		Thunderstorm	Wind (G60)
Smith County 13 NW Tyler	30	2320CST			0	0		Thunderstorm	Wind (G60)
Cass County 11 NW Linden	<b>30</b> Several	2330CST large trees we	re toppled a	cross Hwy 161.	0	0		Thunderstorm	Wind (G60)
Cherokee County 5 S Alto	30	2345CST		ne fell across a	0	0 s slightly	<b>2K</b> v damaged.	Thunderstorm	Wind (G60)
Gregg County Longview	<b>30</b> Several	2355CST trees were top	pled in towr	leading to nun	0 nerous power o	0 utages.	5K	Thunderstorm	Wind (G60)
Gregg County Longview	31	0001CST	•	th side of town	0	0		Thunderstorm	Wind (G65)
Rusk County New London	31	0005CST			0	0		Thunderstorm	Wind (G60)

		Time Local/	Path Length	Path Width	Number		Estimate Damag			March 1998
Location	Date	Standard	(Miles)	(Yards)		is Injured	U		haracter of Storm	
TEXAS, Northeast										
Harrison County 1 W Hallsville	<b>31</b> Severa	<b>0010CST</b> l trees were to			0	0			Thunderstorm	Wind (G60)
Harrison County Marshall	31	0035CST	1	g a 3 mile path al	0 ong state road	<b>0</b> 154.			Thunderstorm	Wind (G70)
Panola County De Berry	31	0050CST			0	0			Thunderstorm	Wind (G60)
Rusk County 1 S Tatum	31 Severa	0015CST l trees fell acro		An 18 wheeler	0 ran into the tre	0 es and ty	<b>20K</b> vo cars piled in	to the back	<b>Thunderstorm</b> to of the 18 wheel	<b>Wind (G60)</b> er.
TEXAS, South			2							
	NONE	REPORTED								
TEXAS, South Centra										
<b>Gillespie County</b>										
Fredericksburg	06	0902CST 0905CST			0	0	0	0	Hail (0.75)	
	Hail w	as reported to		d roads.						
Llano County	07	1/15/007			0	0	0	0	II 'I (1 <b>5</b> 0)	
Castell	07	1615CST 1620CST			U	0	U	0	Hail (1.50)	
Llano County										
Llano	07	1640CST 1650CST			0	0	0	0	Hail (1.75)	
Gillespie County		1000001								
15 NE Fredericksburg	07	1645CST 1650CST			0	0	0	0	Hail (1.50)	
Blanco County	07	1715CST			0	0	0	0	Hail (0.75)	
Johnson City	07	1715CS1 1730CST			U	U	U	U	Hail (0.75)	
Blanco County	07	1515000			0	0	٥	0		
Round Mtn	07	1715CST 1730CST			0	0	0	0	Hail (0.75)	
<b>Travis County</b>										
Austin	07	1750CST 1800CST			0	0	150K	0	Thunderstorm	Wind
	A seve			winds that dama	ged the roofs	of numer	ous homes in A	Austin.		
Hays County		1000 000			0	0	0	0		
Henly	07	1800CST 1805CST			0	0	0	0	Hail (0.75)	
Hays County										
10 NW San Marcos to 2 NW San Marcos	07	1800CST 1805CST			0	0	30K	0	Thunderstorm	Wind
	Numer			n by severe thun	derstorm wind	s.				
Comal County		1005007			0	0	0	0		
5 NW Canyon Res	07	1825CST 1830CST			0	0	0	0	Hail (1.75)	
	Report	ed by Amateu		ters.						
Guadalupe County 6 NE Geronimo	07	1850CST	,		0	0	0	0	Hail (1.50)	
O INE GELOIIIIIO		1855CST	I		v	U	U	U	11all (1.30)	
	Report	ed by Amateu	r Radio spot	ters.						
Caldwell County 5 W Luling	07	1910CST	ı.		0	0	0	0	Hail (1.50)	
- · · · ······························		1920CST			v		v	-		

		Time Local/	Path Longth	Path	Numbe Perso		Estimat		March 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Killed	ns Injured	Damag Property	e Crops	Character of Storm
<b>FEXAS, South Cent</b>	ral								
Gonzales County	~-		<b>.</b> -	100	0		0		
2 E Smiley to 2.5 E Smiley	07	1925CST 1927CST	0.5	100	0	0	0	0	Tornado (F0)
210 2 Shiney	Sheri	ff's deputies repo	orted a small,	short-lived torn	nado near Smi	ley in op	en country. It	dissipa	ted rapidly.
Frio County									
Pearsall	07	2129CST 2135CST			0	0	0	0	Hail (0.75)
Medina County	~-				0		0		
Devine	07	2130CST 2135CST			0	0	0	0	Hail (0.75)
Wilson County		2100001							
4 N Floresville	07	2225CST			0	0	0	0	Hail (0.75)
	Hoil	2230CST reported by Ama	tour Padio a	ootters					
Gonzales County	Пан	reported by Ania	teur Kaulo sj	joners.					
Gonzales	07	2230CST			0	0	0	0	Hail (0.75)
		2235CST							
Val Verde County									
5 NW Comstock	15	1600CST 1615CST			0	0	0	0	Hail (0.75)
Val Verde County									
13 W Langtry	15	1840CST			0	0	0	0	Hail (0.75)
Val Vanda Carrata		1855CST							
Val Verde County North Portion	15	1915CST			0	0	15K	0	Flash Flood
		2100CST							
	Hwy	163 near Baker's	Crossing wa	as flooded for o	ver an hour as	s over 3 i	nches of rain h	ad falle	n upstream within the past hour.
Edwards County	15	2100CST			0	0	217	0	Flesh Fleed
South Portion	15	2100CS1 2230CST			U	U	3K	U	Flash Flood
		er Patrol officers over the previous		o Springs repor	ted roads unde	er water i	n southern Edv	wards C	county as a result of nearly 2 inches o
Dimmit County	Tunit	fiel die previous	2 110415.						
Countywide	16	0000CST			0	0	3K	0	Flash Flood
	Com	0200CST	1	-1-4-14-4-16	4 4 1		1 9 - 1 9 - 1		much of Dimurit Country
Zavala County	Gene	rai rainfall of 2 1	ncnes with is	olated totals of	up to 4 inches	sproduce	a mash moodin	g over	much of Dimmit County
Zavala County Countywide	16	0000CST			0	0	3K	0	Flash Flood
couldy what		0200CST							
	Gene	ral 2 inch rainfal	l with isolate	d totals near 4 i	nches caused	flash floo	oding over mu	ch of Za	avala County.
Zavala County 5 N Crystal City	16	0010CST			0	0	3K	0	Thunderstorm Wind
5 IN Crystal City	10	0010CS1 0020CST			U	U	ЭК	U	Thunderstorin wind
	Trees	s were blown dow	vn by severe	thunderstorm v	vinds.				
Bandera County									
Countywide	16	0100CST 0300CST			0	0	10K	0	Flash Flood
Bexar County		0100CST			0	0	30K	0	Flash Flood
Bexar County Countywide	16	0300CST							
	16	0300CST							
Countywide	16 16	0300CST 0100CST 0230CST			0	0	15K	0	Flash Flood
Countywide Comal County		0100CST			0 0	0	15K 20K	0	Flash Flood Flash Flood

		Time Local/	Path Length	Path Width	Numbe Perso		Estimate Damag		March 1998
location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	e Crops	Character of Storm
EXAS, South Cent	<u>ral</u>								
Medina County									
Countywide	16	0100CST 0300CST			0	0	3К	0	Flash Flood
Blanco County									
Countywide	16	0130CST 0230CST			0	0	15K	0	Flash Flood
Burnet County									
Countywide	16	0130CST 0230CST			0	0	15K	0	Flash Flood
Kerr County									
Countywide	16	0130CST 0230CST			0	0	25K	0	Flash Flood
Llano County		04 <b>0</b> 0 CCT			0			0	
Countywide	16 D	0130CST 0230CST	c · c	11 .1 1	0	0	5K	0	Flash Flood
									n rainfall was in eastern Bandera an omal Counties, where 5 inches wa
									districts remained closed througho
	the da along Count	ty, as up to 70 pe Leon Creek in th	ercent of the he western county road	eir school bus ro part of Bexar Co	utes were impa ounty, along w	assable di ith aband	ue to the dama oned vehicles	ge. Seve and sev	eral high water rescues were reporte eral rescues in both Kerr and Kenda norning hours in the nine-county ar
Dimmit County	01 300	uui Cenuai Texa							
Carrizo Spgs	16	0100CST 0110CST			0	0	0	0	Hail (0.75)
Medina County		0110001							
Yancey	16	0100CST 0110CST			0	0	40K	0	Thunderstorm Wind
	A sev	ere thunderstorr	n destroyed	l two mobile hoi	nes near Yanco	ey. No ir	ijuries were rej	ported.	
Atascosa County									
Charlotte	16	0140CST			0	0	80K	0	Thunderstorm Wind
	A sev	0150CST vere thunderstorm	n damaged	several small sh	eds and took re	oofs off h	omes in the C	narlotte	area
Bexar County	11.50		ii duinaged	several sinair si		0010 011 1		unone	
San Antonio	16	0245CST			0	0	<b>30K</b>	0	Thunderstorm Wind
		0250CST	n blew out	windows and ca	used damage to	o roofs in	the Fort Sam		n portion of San Antonio.
Guadalupe County									
Staples	16	0320CST 0330CST			0	0	50K	0	Thunderstorm Wind
	a trai	ler was badly da	maged by s	evere thundersto	orm winds near	Staples.			
Hays County San Marcos	16	0325CST 0335CST			0	0	30K	0	Thunderstorm Wind
	Wide obser	spread damage	was reporte	ed to trees and	signs in and a	round Sa	n Marcos. W	inds wo	ere estimated in excess of 60 kts
Frio County									
Pearsall	16	0108CST			0	0	25K	0	Thunderstorm Wind
									aused damage to 6 homes and sever
Den de Cara de	busine	esses in and arou	ind Pearsall	. In addition, a	220-Ioot radio	tower wa	is blown over,	with da	mages estimated at \$15,000.
Burnet County 5 SE Marble Falls	30	1900CST 1910CST			0	0	0	0	Hail (0.75)
		1/10001							
Blanco County									

										March 1009
		Time Local/	Path Length	Path Width	Number Person		Estimate Damag			March 1998
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	
TEXAS, South Panh	andle									
Hale County										
Plainview	07 Nicke	0135CST		Plainview by the	0 Police Departr	0 nent	0	0	Hail (0.88)	
Swisher County	NICKC	1-SIZC Hall was	reported in i	ianiview by the	ronee Departi	liciit.				
Tulia	18	1520CST	[		0	0	0	0	Hail (0.88)	
	The N	WS co-operat	ive observer	in Tulia reported	nickel-size ha	il at 1520	OCST.			
Swisher County										
8 E Kress	18 A brie	1600CST		ed east of Kress a	0 of 1600CST by	0 Amarill	0 TV station cl	0 hase tea	Tornado (F0)	
TXZ029-035		- Lubbock	o was report	ed east of Kless a	u 1000CS1 Uy	Amarino		lase tea		
1 AL027-033	27	1244CST	]		0	0	<b>7K</b>	0	High Wind (G	51)
	High	winds gusted t	o 51 knots (5			-	rt at 1244 CST		igh winds blew dow	
	the air	port, and also	blew over si	gns and a tractor-	trailor in south	ern Hale	e County.			
<u>TEXAS, Southeast</u>										
Jefferson County			_							
Port Neches	<b>07</b> 58 mm	0430CST		untsman Plant.	0	0			Thunderstorm	Wind (G50)
Jefferson County	50 mp	in while gust re		intomun i funt.						
Port Neches	07	0525CST	[		0	0			Hail (0.75)	
Hardin County										
Lumberton	07	0555CST	[		0	0			Hail (0.75)	
Jefferson County										
Port Arthur	07 Tug b	0605CST		gust of 58 mph.	0	0			Thunderstorm	Wind (G50)
Orange County	Tug D	oat operator re	corded willd	gust of 58 mpn.						
Bridge City	07	0605CST	[		0	0			Hail (0.75)	
Jasper County									(11-1)	
Jasper	07	1735CST	[		0	0			Hail (0.75)	
Newton County			_							
Burkeville	07	1805CST	[		0	0			Hail (0.75)	
Jasper County Mt Union	16	1215CST	۰		0	0	50K		Thunderstorm	Wind
MIT UIIIOII				severe thunderst	v	•			1 nunder stor m	willa
Jefferson County										
Port Arthur	16	1300CST			0	0	100K		Thunderstorm	
	Sheet 1	metal was ripp	ed from seve	eral buildings, an	d power lines v	vere dow	ned in a one b	lock are	a on Gulfway Drive	in Port Arthur.
<u>TEXAS, West</u>										
Reagan County	0.4	A1 40 CCT			<u>^</u>					
Big Lake	06 A thu	2148CST nderstorm drot		ı hail at Big Lake	<b>0</b> with hail in 4	<b>0</b> -6 inch d	rifts about 4 m	iles sou	Hail (0.75)	
									the area in a southw	esterly flow.
Glasscock County										
St Lawrence	17	1915CST			0	0		<b>21</b> G	Hail (0.88)	
		core upper le	vel trough m	oved through the	region with a	500 mb t	emperature of	-21C at	KMAF.	
TEXAS, Western No	<u>ortn</u>									
Baylor County 1 SW Seymour	18	2005CST	r		0	0			Thunderstorm	Wind (C52)
Archer County	10	2005051			U	U			1 nunder stor m	Willu (032)
7 S Dundee	18	2035CST	[		0	0			Hail (0.75)	
Archer County										
Lake Kickapoo	18	2040CST	[		0	0			Hail (0.88)	
Archer County			_			-				
4 SW Archer City	18	2045CST	[		0	0			Hail (1.00)	
Archer County	30	1228000	۲		Δ	A			Hoil (0.75)	
Lakeside City	30	1238CST	L		0	0			Hail (0.75)	

		Time	Path	Path	Number	of	Estimated		March 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Persons Killed I	njured	Damage Property Crops	Character of Storm	
TEXAS, Western Nort	t <u>h</u>								
Wichita County Wichita Falls	<b>30</b> on the	1240CS south side of			0	0		Hail (0.88)	
Archer County Archer City	30	1300CS	Г		0	0		Thunderstorm	Wind (G52)
Archer County 2 SE Lakeside City	<b>30</b> at the	1300CS		1 and FM 1954	0	0		Hail (0.75)	
Wichita County Wichita Falls	30	1300CS		1 unu 1 ivi 1991	0	0		Hail (1.00)	
Clay County Dean	<b>30</b> on the	1319CS north side of			0	0		Hail (0.88)	
Clay County 2 W Deer Creek	30	1340CS	Г	of FM 172 and	<b>0</b> FM 1883, on F	0 M 1883		Hail (0.88)	
Clay County Lake Arrowhead	<b>30</b> on the	1340CS east side of L		ad	0	0		Thunderstorm	Wind (G52)
Clay County Henrietta	30	1348CST	Г		0	0		Hail (0.88)	
Clay County Henrietta		1348CS thunderstorn own over.		ated at 70 mph	0 downed large tr	0 ees and j	<b>0.50K</b> power lines. Roofs w	Thunderstorm ere damaged and a si	
Clay County 2 S Joy	30	1402CST	Г		0	0		Hail (0.88)	
Clay County 12 S Henrietta	<b>30</b> Summa	1408CS		1:	0	0		Hail (0.75)	
UTAH, North, Central	Archer Wichit See pre	and Wichita a Falls. Wind eceding indivi	Counties arou l gusts were e	and midday ther stimated as high	n moved east int a as 70 mph in H	o Clay ( lenrietta	ern Oklahoma and inte County by early aftern (Clay County). dditional reports.		
<u>UTZ003-006&gt;008</u>			oole Valley	s - Wasatch N	Iountain Vall	eys/Hu	untsville/Park City	/Heber - Wasatcl	n Mountains
	I80 N 03	orth - Wasa 0200MS		ains South O	f 180 0	0	5K	Winter Storm	
	-	1000MS snow and gu d front.		winds occurred	l in northern Ut	ah. Wir	ad gusts to 55 mph (A	American Fork) were	measured along
UTZ001>012-015>018- 022>023-025	Cache Valley Moun Cliffs South Moun 05 07 Anothe	e Valley/Uta ys - Souther ntains/Wend ntains I80 N - Western 1 west Utah/ ntains/Cany 2100MS 1000MS er winter storn	n Wasatch lover/Snow orth - Was Unita Basin Cedar City onlands - S T T m wreaked ha	Front/Lehi/F ville - Wasata atch Mountai a - Castle Cou /Milford - Ce outheast Utal	Provo/Nephi - ch Mountain ns South Of I intry/Price/Ca ntral And Sou h/Blanding - I 0 uring this time.	Great Valleys 80 - W astle/Da uthwes Eastern 8 Along t	m City/Ogden Bo Salt Lake Desert /Huntsville/Park /estern Unita Mou ale/Emery - West t Mountains - Sou u Uinta Mountains 95K 5K he cold front wind g s (valleys) 20-24".	And City/Heber - Was Intains - Wasatch Central Utah/Del Itheast s - Tavaputs Plate Winter Storm	atch Plateau/Book ita - au
UTZ017	13 14	al And Sou 2100MS 0800MS now fell at the	T T	u <b>ntains</b> ski resort in sou	0 thwest Utah.	0	0	Heavy Snow	

		T.	D 1	n :		C	<b>D</b>	- 4	Man-1, 1000
Logation	Data	Time Local/	Path Length	Path Width	Number Person		Estimat Damag	ge	March 1998
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm
UTAH, North, Centra									
UTZ008	14	1300MS 1700MS	T		0 ehicles were swe	5	<b>50K</b> ne road causi	ng iniurie	Avalanche
UTZ002>004-007>008- 019-023	North Front	iern Wasat t/Lehi/Prov	ch Front/B o/Nephi - V nal Park - F	righam City/	Ogden Bount ntains I80 No	iful - Sal	lt Lake An	d Toole	Valleys - Southern Wasatch South Of I80 - Utah'S Dixie Winter Storm
	<b>18</b> High v Wind	0300MS winds and heat	ST avy snow occ 0 mph genera		usts to 68 mph (	(59kts) an	d 61 mph (5	3kts) wer	e measured in Washington county. thern Utah with 7" reported in the
Sevier County 5 E Monroe	24	2030MS	ST		0	0	0	0.20K	Thunderstorm Wind (G54)
Tooele County 4 NE Vernon			n winds occu	urred in two sp gway mesonet n		0 ing. The	0 first was rec	2K corded on	Thunderstorm Wind (G72) the Signal Peak RAWS while the
UTZ002>004-006>010- 017-019>020	Front North	t/Lehi/Prov 1 - Wasatch	o/Nephi - V Mountain	Vasatch Mou s South Of I8	ntain Valleys 80 - Western U	/Huntsvi Jnita Mo	ille/Park C ountains - `	ity/Heb Wasatch	Valleys - Southern Wasatch er - Wasatch Mountains I80 n Plateau/Book Cliffs -
		ral And Sou 'Kanab/Esc		ountains - Uta	h'S Dixie An	d Zion N	lational Pa	rk - Sou	ith Central
	27 30	1200MS 1200MS	ST ST	d northern Utah	<b>0</b> during this time	6 causing r	80K	<b>6K</b> ffic accide	Heavy Snow ents. Alta had 57" and 10" of snow
UTAH, Northeast	•				e highest storm	-			
<u>UTAII, Northeast</u>									
		EREPORTE	D.						
VERMONT, North an									
VTZ005	Chitt 09	enden 0300ES 1200ES			0	0	5K		High Wind (G52)
	southe	rn Quebec M	onday night.	Gusty winds re		west slop			ey Monday (March 9) and then into tains of Vermont. Specifically, the
		ville60 mp 557 mp	oh (52 knots) h (50 knots).	and					
VTZ006	Lamo 09	oille 0300ES 1200ES			0	0	5K		High Wind (G62)
	southe follow	m system ove rn Quebec M ing wind gust	r the Ohio Va onday night. was reported	Gusty winds re l in western Lar	esulted along the				ey Monday (March 9) and then into ttains of Vermont. Specifically, the
	Pleasa	nt vaney/	1 mph (62 kn	iots).					
VTZ002	Franl 10	0900ES			0	0			Flood
			round an inch		h snow melt res inton in Franklin				local roads by the Missisquoi River 10.
VTZ003-003-006>008- 010>012					igton - Orang	•	•	•	
VIV/VI2	14 15	1000ES 0800ES			0	0	100K		Heavy Snow

location		'ime .ocal/	Path Length	Path Width	Number Persor		Estimated Damage	March 199
	Data	tandard	(Miles)	(Yards)		Injured	Property Crops	Character of Storm
<b>ERMONT</b> , North an	nd Centra	<u>al</u>						
	An area of Canadian	f low pre maritime	es Sunday (Mar	rch 15). A com	plex pattern o	of snow a	accumulations resulte	Saturday (March 14) and then into the across Vermont, with the heavier accumulation of theavier accumulation of the heavier accumulation of th
	Albany	d ( (] () () () () () () () () () () () () ()	Windsor county Orange county) Camoille county Orleans county) Caledonia county Rutland county	inty)14.0 ()11.0 	inches inches inches inches nches inches			
VTZ004	Essex 14	1100ES	T		0	0		Light Snow
	15 An area or Canadian	0800ES f low pre maritime	ST ssure moved act	ch 15). A comp	ew York and n	orthern N	0 0	Saturday (March 14) and then into t l in generally 3 to 6 inches across
VTZ001>002-005-009	Grand I 14 15	sle - Fra 1100E8 0600E8	ST	enden - Addi	ison 0	0	10K	Light Snow
	An area of Canadian	f low pre maritime	ssure moved actes Sunday (Mar	ch 15). A comp	lex pattern of	snowfall		Saturday (March 14) and then into the titions of generally 3 to 6 inches in the titions of generally 3 to 6 inches in the title of the
VTZ001>012	-	sle - Fra	anklin - Orlea		-		•	Washington - Addison - Orang
	21 22	1000E8 1600E8			0	0	115K	Heavy Snow
	Sunday ni brief pow across nor	ight (Mar er outage rthwest a	rch 22). Snow es. The snow ta nd north central	was heavy Satu pered off to sr Vermont with	urday night int now showers S around a foot	to Sunday Sunday n elsewhere	y morning with a num ight. Snow accumulate across the area. The	to the Gulf of Maine late Sunday and mber of traffic accidents reported a ations were generally 15 to 20 incl e heaviest report was 25 inches at 3 v snow accumulations from across
	area:							
	Albany Eden		(Lamoille coun	/)19.2 (y)18.0	inches			
	Albany Eden Essex Sheldon S Waitsfield	Springs 1	(Lamoille count (Chittenden co (Franklin count (Washington co	y)18.0 unty)16.0 y)16.0 punty)14.0	inches inches inches inches			
	Albany Eden Essex Sheldon S Waitsfield Brookfield	Springs 1 d	(Lamoille count (Chittenden co (Franklin count (Washington co (Orange count	y)18.0 y)16.0 y)16.0 punty)14.0 y)14.0	inches inches inches inches inches			
	Albany Eden Essex Sheldon S Waitsfield Brookfield South Lin Rochester	Springs 1 d coln	(Lamoille count (Chittenden co (Franklin count (Washington co (Orange count (Addison count (Windsor count)	y)18.0 unty)16.0 y)16.0 ounty)14.0 y)14.0 ty)12.5 tty)12.0	inches inches inches inches inches inches inches			
	Albany Eden Essex Sheldon S Waitsfield Brookfield South Lin Rochester Sutton	Springs 1 d coln	(Lamoille count (Chittenden co (Franklin count (Washington count (Addison count (Windsor count (Caledonia count	y)18.0 unty)16.0 y)16.0 ounty)14.0 y)14.0 ty)12.5 ty)12.0	inches inches inches inches inches inches inches			
	Albany Eden Essex Sheldon S Waitsfield Brookfield South Lin Rochester	Springs 1 d coln	(Lamoille count (Chittenden co (Franklin count (Washington co (Orange count (Addison coun (Windsor court (Caledonia count (Rutland count	y)18.0 unty)16.0 y)16.0 ounty)14.0 y)14.0 ty)12.5 tty)12.0	inches inches inches inches inches inches inches inches inches			
Franklin County Countywide	Albany Eden Essex Sheldon S Waitsfield Brookfield South Lin Rochester Sutton Rutland Island Por	Springs I d iccoln r nd 2223ES	(Lamoille count (Chittenden co (Franklin count (Washington cc (Orange count (Addison coun (Windsor count (Caledonia coun (Rutland count)) (T	y)18.0 unty)16.0 y)14.0 y)14.0 y)14.0 ty)12.5 ty)12.0 nty)12.0 y)11.5	inches inches inches inches inches inches inches inches inches	0	250K	Flood
	Albany Eden Essex Sheldon S Waitsfield Brookfield South Lin Rochester Sutton Rutland Island Por 28 31 Unseasona showers a the stream few house	Springs d d ccoln	(Lamoille count (Chittenden co (Franklin count (Washington co (Orange count (Addison coun (Windsor cour (Caledonia cou (Rutland count (Essex county)) ST ST m weather resu erstorms with h ers flooding we ooded in Swant	y)18.0 unty)16.0 y)16.0 ounty)14.0 y)12.5 ty)12.0 y)12.0 y)12.0 y)12.0 y)10.0 lited in dramati eavy downpour re the Missisqu	inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches in	with rapid the sthe area ford to Sw	rises on rivers the a on the 30th enhand vanton and the Trout	last few days of March. In additional constraints for the runoff into the rivers. Amo River in and around Montgomery.
Franklin County Countywide Lamoille County Countywide	Albany Eden Essex Sheldon S Waitsfield Brookfield South Lin Rochester Sutton Rutland Island Por 28 31 Unseasona showers a the stream few house	Springs d d ccoln	(Lamoille count (Chittenden co (Franklin count (Washington co (Orange count (Addison coun (Windsor cour (Caledonia cou (Rutland count (Essex county)) ST ST m weather resu erstorms with h ers flooding we ooded in Swant d flood stage the	y)18.0 unty)16.0 y)16.0 ounty)14.0 y)12.5 ty)12.0 nty)12.0 y)12.0 y)11.5 10.0 llted in dramati eavy downpour the Missisqu on on March 28	inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches inches in	with rapid the sthe area ford to Sw	rises on rivers the a on the 30th enhand vanton and the Trout	Flood last few days of March. In additio cing the runoff into the rivers. Amo River in and around Montgomery. osed due to flood waters. These rive Flood

			_					
		Time Local/	Path Length	Path Width	Numbe Perso		Estimated Damage	March 199
ocation	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property Crops	Character of Storm
ERMONT, North a								
	The La	moille River o	continued to e	exceed flood sta	ge flooding fie	elds throu	gh the end of the mo	onth.
Rutland County Countywide	29	0700EST			0	0	20K	Flood
Countywhee	<b>31</b> Unseas began	2359EST sonably warm flooding early	weather resul on the 29th	and continued	e snowmelt wi	th rapid r	ises on rivers the la	st few days of March. The Otter Cre gnificant flooding was between Ruth
Orleans County	and Br	andon with sev	veral road clo	sures.				
Orleans County Countywide	29	2000EST			0	0	10K	Flood
Countywhite	31	2359EST			v	v	101	Flood
	shower stream	rs and thunder s. In particular	storms with , the Black R	heavy downpo	urs moved act oding fields the	ross the a evening	rea on the 30th fu of the 29th and cont	e last few days of March. In addition rther enhancing runoff into rivers a tinued through the end of the month.
Franklin County	20	1742507			٥	0	- 17	II (1 <b>5</b> 7)
Sheldon	30	1743EST 1744EST			0	0	5K	Hail (1.75)
	Monda In shel	y, March 30.	A few thunde	rstorms were ac	comapnied by	strong w	vinds and large hail.	erstorms across northern Vermont punty hail around 1/2 inch was repor
Orloons County	III EIIO	soung rans.						
Orleans County Orleans	30	1810EST			0	0	10K	Thunderstorm Wind
	Monda	y, March 30.	across south A few thunde	rstorms were a	comapnied by	strong w	inds and hail.	erstorms across northern Vermont around 610 pm. Small hail was al
							etween 1/4 and 1/2	
Chittenden County								
(Btv)Burlington Arpt	31	0000EST 2359EST			0	0		<b>Record Temperature</b>
	Maxim day.	um temperatu	re of 84 degr	ees recorded at	National Wea	ther Serv	ice Burlington Airp	ort Office tied record for hottest Man
Washington County								
Berlin	31 Marin	0000EST		and managed at	0 Domo Montro	0 Lion Ainme	ant (MDV) and manage	Record Temperature d for warmest March day.
Essex County	WIAXIII	ium temperatu	ie of 82 degre	ees recorded at	Darre-Wompe	nei Anpo	set lecol	a for warmest March day.
Countywide	31	0250EST			0	3	100K	Flood
	shower During north o washou	rs and thunder g the early mo of Island Pond uts between Isl	weather resu storms with I rning hours of I, Vermont and Pond and	heavy downpou of the 31st, floo at approximate d Norton, Verm	oding occurred ly 545 AM ont. A tractor	oss the and d between with 2 in trailer dro	rea on the 30th enh a Island Pond and N njuries resulting. Th ove into one washed	e last few days of March. In additionancing runoff into streams and rive Norton. A train derailled about 7 minere were a number of extensive ro- out section of road and the driver work of the end of the month.
Addison County								
Countywide	31	1200EST 2359EST			0	0	10K	Flood
		•						st few days of March. The Otter Cre
	nooded	a in the verger	mes area with	i water on road	ways and field	15.1118 110	boaning continued thr	ough the end of the month.
Caledonia County								

Unseasonably warm weather resulted in dramatic snowmelt with rapid rises on rivers the last few days of March. On March 31, St. Johnsbury reached 83 degrees setting a new record high temperature for March. In addition, showers and thunderstorms with heavy downpours moved across the area on the 30th enhancing runoff into rivers. The Passumpsic River flooded between the towns of Lyndonville and Passumpsic on the 31st with water on roadways. The Passumpsic River exceeded flood stage through the end of the month.

	S	torm I	Data ai	nd Unu	sual W	eath	er Phenor	mena
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Numbe Perso Killed		Estimated Damage Property Crops	March 1998 Character of Storm
VERMONT, North ar	nd Cen		(wines)	(Taius)	Kineu	Injured	Hoperty Clops	
Orange County								
Northeast Portion	31	2000EST 2359EST	]		0	0	10K	Flood
	shower	rs and thunder	storms with h	eavy downpou	rs moved acros	s the area		last few days of March. In addition ing runoff into rivers. The Wells Rive nth.
VERMONT, South					· · · · · · · · · · · · ·			
VTZ013>014	14	ington - Wii 0300EST			0	0		Snow
		ons of the Gre	d 15, an Albe					reatest snowfall occurred in the higher eavy wet snow caused numerous traffic
VTZ014	Wind 21	0200EST			0	0		Winter Storm
	precip	itation fell ma	and 22, a co anly as snow	in the higher	elevations. Sn	ow totals	in Windham Count	rain across southern Vermont. The y generally ranged from 5 to 9 inche and changing to sleet and freezing rain
VTZ013>014	Benni 27 31	ington - Wii 1200EST 1900EST			0	0		Excessive Heat
	The en	d of March w	as a period of					re off the Mid-Atlantic coast produced middle 70s to upper 80s.
VTZ013	29	ington 1200EST			0	0	10K	Flood
	floodi		ring the end ong route 313		-	-		ington County. Widespread low lan with a reading of 6.35 feet. Flood stag
VIRGIN ISLANDS		C						
	NONE	E REPORTED	).					
VIRGINIA, East								
Hanover County 1.3 S Studley		0430EST ent microburs her barn susta	t downed sev		0 everely damag	0 ed a barn.	15K In addition, there w	Thunderstorm Wind vas minor roof damage to 2 homes and
Gloucester County Perrin to	09	0530EST	1.5	50	0	0	20K	Tornado (F0)
Severn		do caused an ged several oth		lamage path fi	com Perrin to S	Severn. Se	everal trees down. A	A mobile home was destroyed. Debri
Chesterfield County Chesterfield	20	2235EST	Ų		0	0		Hail (0.75)
Prince George County New Bohemia	20	2235EST			0	0		Hail (0.88)
Westmoreland County Montross	20	2330EST			0	0		Hail (0.75)
Norfolk (C) Norfolk VIRGINIA, Extreme S	21	0050EST			0	0		Hail (0.75)

NONE REPORTED.

		Time Local/	Path Length	Path Width	Number Persor		Estimated Damage	March 199
Location	Date	Standard	(Miles)	(Yards)		Injured	Property Crops	Character of Storm
VIRGINIA, North								
VAZ021-025>031- 036>042-050>057	Gree	ne - Madisor	n - Rappah		quier - Loud			- Clarke - Nelson - Albemarle - Prince William - Fairfax -
	11	0700ES1	_	yivama - Kim	0 0000 ge	0	25K	Unseasonably Cold
	the he combin	els of a mild	ts ushered in and wet Fe and moist c	bruary, caused onditions earlier	minor damage	to fruit	crops in north cent	The unseasonably cold air, arriving or ral and northwestern Virginia. The d growth, but may have decreased the
	southe affect	rn and central	Shenandoal was to thin o	Valley. Howe ut the crop. Plu	ver, the generation	al consen	sus was that trees at	ch crop was affected, especially in the critical bud stage were few, and the critical bud stage and Culpep
		Ų		produced severa grees, broke its p		1	1	ashington Dulles International Airpo
Highland County Countywide	20	1800EST			0	0	10K	Flood
couldy wrat	21	0000EST						11000
Albemarle County								
West Portion	20 21	1900EST 0200EST			0	0		Flood
Frederick County								
Countywide	20 21	1900EST 0900EST			0	0	15K	Flood
Greene County	21	0700101						
Countywide	20	1900EST			0	0	10K	Flood
	21	0200EST						
Madison County Countywide	20	1900EST	•		0	0	10K	Flood
Countywhee	20	0200EST			v	U	101	Flood
Clarke County								
Countywide	20	2000EST			0	0	3.5K	Flood
Page County	21	0600EST						
Countywide	20	2000EST			0	0	3.5K	Flood
	21	0600EST						
<b>Rappahannock County</b>								
Countywide	20 21	2000EST 0600EST			0	0	3.5K	Flood
Warren County	21	0000151						
Countywide	20	2000EST	•		0	0	3.5K	Flood
·	21	0600EST						
Fauquier County	•				0			
Countywide	20 21	2100EST 0600EST			0	0	3.3K	Flood
Loudoun County		0000101						
West Portion	20	2100EST			0	0	10K	Flood
	21	0900EST						
Orange County	20	3100507			•	Δ	2 217	The set
Countywide	20 21	2100EST 0600EST			0	0	3.3K	Flood
Shenandoah County		0000101						
Countywide	20	2100EST			0	0	3.3K	Flood
	21	0600EST						

	S	torm I	Data a	nd Unu	sual Wo	eath	er Phenon	nena
		Time Local/	Path Length	Path Width	Number Person		Estimated Damage	March 19
Location	Date	Standard	(Miles)	(Yards)		s Injured	Property Crops	Character of Storm
VIRGINIA, North								
Culpeper County Countywide	20 21	2200EST 0500EST	ſ		0	0	8K	Flood
	period dumpi Ridge.	, then off the ng storm total The rain, fal	coast by eve l rainfall of 1 lling onto sate	ening of the 21s $1/2$ to 2 inches	st. The low, w s in the piedmong a winter of v	hich en ont, with	trained deep moisture 2 to 3 inches in the	iddle Atlantic region over a 24-h from the Gulf of Mexico, aide Shenandoah Mountains and the read small stream and creek floo
	mostly Water	v secondary, in was reported	ncluded 23 in up to car wir	Culpeper Co,	13 in Orange C rey (Highland G	o, 11 ea	ach in Madison and S	mud slide near Gore. Road clos henandoah Co, and 10 in Clarke essary at Snickersville Gap (Loud
	closed	-	20 percent o					d; in all, portions of River Road ves were much more frequent in
VAZ057	22 -	George 0800EST ion of local ro		lown a cliff over	0 looking the Ra	0 ppahann	150K ock River in southeas	<b>Rock Slide</b> tern King George Co. At least 1/2
	width moist	of the road wa	is removed. T	The rock slide, voice on the rock slide, would be read to be reader to the river dure the river dure the rock states and the rock states are states and the rock states are stat	which occurred	during b	enign weather, was pa	artly due to repeated heavy rains, ash flood events in 1996 likely se
VAZ025>031- 036>042-050>057	Madi		hannock - lvania - Ki	Fauquier - L				elson - Albemarle - Greene William - Fairfax - Arlingto Unseasonably Warm
	Under temper Tempe (VAZ	neath the hig ratures were s eratures in the 028), the maxi- grees). The dr	oudy, wet co h, very warn set at IAD ( central and n mum tempera	n and dry cond VAZ042); on the orthern Shenand ature of 86 degr	litions develope ne 27th, 29th, a doah Valley we ees on the 29th	ed - mo and 31s re the h was the	ore like early June th t, with readings of 8 ighest in 50 years for highest on the date si	of strong atmospheric high press han late March. Three record 4, 86, and 85 degrees, respectiv a similar time period. In Winchen nce 1948 (when the mercury read dmont, but no major unplanned b
VIRGINIA, Northwes	st							
VAZ003>004		enson - Buch 0600EST 0900EST	ſ		0	0		Cold
				coldest of the e morning low r				western Virginia. Afternoon l
VAZ003>004		enson - Buch 0000EST 0700EST	nanan F	U	0	0	C	Snow
VAZ003>004		accumulations enson - Bucl 1200EST	nanan	hes were comm	on. 0	0		Record Warmth
	31 A prol	2100EST ong period of	C early spring ∃	heat caused afte ed on the 30th,	rnoon temperat	ures in t		alleys, with 70s across the mount
VIRGINIA, Southwes		1		,			č	
Halifax County Scottsburg	19	0540EST	r		0	0		Flash Flood

#### Storm Data and Unusual Weather Phenomena Path Estimated March 1998 Time Number of Path Local/ Length Width Persons Damage Date Crops Standard (Miles) (Yards) Killed Injured Property Character of Storm VIRGINIA, Southwest Halifax County 0 19 0600EST 0 **Flash Flood**

Moderate to heavy rainfall resulted in flash flooding in portions of Halifax County.

Location

3 N Paces

0900EST

N/A (70.50		3 near Scottsburg an	d Route 685	about three m	iles north	of Paces we	ere flooded by creeks	
VAZ058	Halifax 19 20	0830EST 1400EST			0	0		Flood
	Heavy rai							e lower portion of the Dan River.
Grayson County					C			
Rugby	20 Thunders	0745EST torm winds during t	he morning h	nours on the 20	0 )th knocke	0 ed a tree ont	0 to a road near Rugby	Thunderstorm Wind
Montgomery County		C	e				0.7	
Blacksburg Vpi Arpt	20	1020EST 1110EST			0	0		Flash Flood
Roanoke (C)								
Southwest Portion	20	1020EST 1110EST			0	0	200K	Flash Flood
Pulaski County								
Pulaski	20	1326EST			0	0		Hail (0.75)
Pulaski County	20	1245507			0	0		
Pulaski	20	1345EST 1515EST			0	0		Flash Flood
Giles County								
5 ESE Pembroke	20	1430EST 1600EST			0	0		Flash Flood
Montgomery County		1000251						
2 N Shawsville	20	1445EST 1615EST			0	0		Flash Flood
Floyd County								
Floyd	20	1455EST			0	0		Hail (0.75)
Roanoke (C)	• •							
Roanoke	20	1530EST 1535EST			0	0		Hail (0.75)
Henry County								
3 WSW Sandy Level to 2 W Sandy Level	20	1554EST 1556EST			0	0	0	Thunderstorm Wind
Henry County								
2 W Sandy Level to 3 NNE Sandy Level	20	1556EST 1604EST	4	150	0	0	200K	Tornado (F1)
Pittsylvania County								
3 NW Cascade to 2 W Whitmell	20	1604EST 1622EST	9	150	0	0	800K	Tornado (F1)
Roanoke (C) 1.5 S Roanoke	20	1605EST			0	0		Hail (0.75)
Pittsylvania County								
3 E West Fork	20	1615EST			0	0		Hail (1.75)
Bedford County	20	1/2015/27			0	0		
Montvale	20	1630EST 1745EST			0	0		Flash Flood
Pittsylvania County								
Callands	20	1630EST			0	0		Hail (0.75)
Bedford County	•				<u>^</u>	<u>^</u>		
1 E Stewartsville	20	1645EST 1745EST			0	0		Flash Flood

		Time	Path	Path	Numbe		Estimated		March 199
ocation	Date	Local/ Standard	Length (Miles)	Width (Yards)	Perso: Killed	ns Injured	Damage Property Crops	Character of Storm	
IRGINIA, Southwes	t								
Pittsylvania County	20	1445000			٥	0			
6 S Chatham Pittsylvania County	20	1645EST			0	0		Hail (0.75)	
Keeling	20	1730EST			0	0		Hail (1.75)	
Rockbridge County 2 NE Brownsburg		<b>1820EST</b> storms during ing winds.	g the late m	orning and aft	0 ernoon hours	0 produced a	a tornado, flash flo	<b>Flash Flood</b> boding, hail up to go	lfball size, ar
	extreme Pittsylva tornado	southeastern ania County. 7 damaged or c	Henry Coun This tornado v lestroyed sev	ty and travelle was generally f	d northeast ab from 100 to 200 parns, and outb	out 11 mile ) yards wid wildings, ar	es before dissipatin le, with damage in s nd more than 60 res	out 2 miles west of g about 2 miles west ome areas up to 350 y sidences, damaged tw	of Whitmell ards wide. Th
							n and large branche est of Sandy Level.	s of trees were snapp	ed off from t
	miles ea	st southeast o	f Pembroke,		252 and 606 a			Sinking Creek near ro nsburg, and resulted	
							, resulting in road of a hotel was floode	closings and the floo ed.	oding of seve
	In Bedfe were flo		Vest Fork Cr	reek flooded ro	ute 24 about a	mile east	of Stewartsville and	d several roads in and	l near Montva
		•		oded a road in l					
VAZ022-045-058>059	20 24	1800EST 1200EST		x - Charlott	0	0 te flooding	on portions of the F	Flood	
	The Roa	noke River ci	rested three for	eet above flood	stage at Roan	oke around	0315 EST on the 2	l st, almost four feet a dolph at 0600 EST on	
Pittsylvania County	20	2045EST			0	1		Lightning	
Chatham	Lightnir					1 man. On th	ne west side of Chat	<b>Lightning</b> ham, a man who was	outside during
VAZ058	Halifa: 20 23	x 2330EST 0730EST			0	0		Flood	
	Heavy r 18th and	ainfall on the	d in minor f					flood stage from hea ost three and a half f	
Salem County Salem	21	0020EST 0200EST			0	0		Flash Flood	
Rockbridge County									
2 S Raphine		0200EST ainfall again in Rockbridge		uring the late of	0 evening hours	0 on the 20th	<b>20K</b> and resulted in flat	<b>Lightning</b> ash flooding in Salem	and damagin
		ooding resulte d a home two			Riverland Tra	iler Park in	a Salem. A lightnin	g strike started a fire	which severe

#### Heavy rainfall during the afternoon and evening hours on the 20th resulted in minor flooding on the Clinch River at Richlands. The

		Time Local/	Path Length	Path Width	Number Persor		Estin Dan			March 199
Location	Date	Standard	(Miles)	(Yards)		Injured	Property	Crops	Character of Storm	
VIRGINIA, Southw	est									
÷		River crested	over two and	a half feet abov	ve flood stage a	at Richlar	nds at 0700 1	EST on th	e 21st.	
VAZ047		ngham								
	21 23	0100EST			0	0			Flood	
		1400EST rainfall on the		bination with hi	igh river levels	from hea	wy rain on t	the 18th a	nd 19th resulted in m	oderate floodin
					-		-		at Bremo Bluff arour	
	the 22n									
VAZ023	Boteto		-		٥	0				
	21 22	0300EST 0400EST			0	0			Flood	
				1 in minor flood	ling on the Jan	nes River	at Buchana	n. The Ja	mes River crested alm	nost 2 feet abov
	flood st	age at Bucha	nan around 18	345EST on the	21st.					
WASHINGTON, N	ortheast									
	NONE	REPORTED								
WASHINGTON N		KEPUKIEL	).							
WASHINGTON, NO	<u>ortnwest</u>									
	NONE	REPORTED	).							
WASHINGTON, So	outheast									
WAZ029		Aountain F	oothills							
	26	1200PST			0	0			Heavy Snow	
	27 Eine in	0540PST					) f t			
WASHINGTON S.		ches of show	Ten 20 milles	south of Daytor	n at an elevatio	1 01 4000	) leet.			
WASHINGTON, So	<u>outiiwest</u>									
	NONE	REPORTED	).							
WEST VIRGINIA,										
WVZ048>053		- Mineral	- Hampshir	e - Morgan -	Berkelev - J	[effersoi	n			
	11	0700EST		e morgan	0	0			Unseasonably	Cold
	13	0700EST				6.1				,
									he unseasonably colorastern West Virginia	
				• •		-		-	growth, but may ha	
	resistan	ce of fruit tre	es to the hard	freeze.		·				
	Tompo	roturas on the	11th wara a	norally in the y	mor toons to 1	ower 200	but reading	a wara u	ell down in the teens	on the 12th on
	13th.	atures on the	11th were ge	inerally in the t	ipper teens to i	ower 208	, but reading	gs wele w	en down in the teens	on the 12th an
Berkeley County										
Countywide	20	2100EST			0	0	2.5K		Flood	
<b>T M</b>	21	0900EST								
Jefferson County Countywide	20	2100EST	• •		0	0	2.5K		Flood	
Countywhee	20 21	0900EST			U	U	2.31		Flood	
Grant County										
Countywide	20	2200EST			0	0	5K		Flood	
Handa Carrit	21	0600EST								
Hardy County Countywide	20	2200EST	•		0	0			Flood	
County mut	20 21	0600EST			v				Flood	
Pendleton County										
North Portion	20 21	2200EST 0600EST			0	0	10K		Flood	

from the morning of the 20th through the morning of the 21st, then off the coast by evening of the 21st. The low, which entrained deep moisture from the Gulf of Mexico, aided in dumping storm total rainfall of 1 to 2 inches, with perhaps higher totals along the Allegheny divide. The rain, falling onto saturated soil in a winter of wet weather, produced areas of small stream and creek flooding - as well as high standing water - which closed several roads.

		Time Path Path Number of Estimated			March 1998					
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Person Killed	ns Injured	Damag Property	ge Crops	Character of Storm	
WEST VIRGINIA, Ea	ast			· /		5				
	A muc above Cos, i Berkel who w	bankful in Gr ncluding state ey/Jefferson G vas attempting	rant Co. Else e highways 5 Co line when a to drive throu	where, a combi 1, 9, and 7 (a a man was stran	nation of 22 p ll in Jefferson ded in a van or nding water or	rimary a Co). A n a water- n Hensha	nd secondary in At least two was covered bridg w Road in sou	roads w vater re e (Sulpl thern B	al streams and creek ere closed in Berkel scues were required nur Springs Road); th erkeley Co. Some ba	ey and Jefferson ; one along the e other a woman
WVZ051>053	27 31 After Under averag	neath the high ed in the low	Γ Γ loudy, wet co n, very warm to mid 80s a	nditions, spring and dry weathe	er developed - ws were equall	more lik ly balmy	e early June the early fune the early June the early June the early the early function of the early June the ea	han late	<b>Unseasonably</b> of strong atmospheri March. Daytime hi 50s. The dry and b	c high pressure. gh temperatures
WEST VIRGINIA, NO	orth									
WVZ023-041	10 11 Bluste	•	Γ Γ winds brought	•	<b>0</b> d some blowin	<b>0</b> Ig and dri	ifting snow to	parts of	Winter Storm northern West Virgi	nia. The highest
WEST VIRGINIA, So		its fell in the h <b>st</b>	ligher elevatio	011S.						
WEST VIRGINIA, W		E REPORTEI	).							
WVZ016-029>031		e - Gilmer -	Lewis - Ha	rrison						
W V 2010 02>> 031	09	0400ES		ii i ison	0	0	25K		Wind	
WVZ005>011- 013>020-024>040-	mobile blown and sid <b>Wayı</b>	homes was of down. In G ding to a home <b>he - Cabell -</b>	damaged. At lenville of Gil e. A few trees Mason - Ja	Ben Dale of La mer County, ro s were downed i ackson - Woo	ewis County, a of material from n Harrison Cou <b>d - Pleasant</b> s	t block w m mobile unty. s - <b>Tyle</b>	vall under cons e homes were 1 r - Lincoln -	structior ripped o <b>Putna</b>	ty, a common roof of a at a new water trea ff. The debris dama <b>m - Kanawha - R</b> ner - Lewis - Har.	tment plant was ged a nearby car oane - Wirt -
046>047	- Mcc 10 13 For m high te	lowell - Wy 0600ES 0900ES ost counties, 1	oming - Ra	leigh - Fayett oldest weather ntains at Snows	e - Nicholas 0 of the winter.	- Webst 0 Afternoo	ter - Upshur	r - Bar	bour - Pocahonta Cold in the 20s across the degrees. At dawn on	s - Randolph e lowlands. The
WVZ033	Mcdo 16	0000ES 0700ES	Г		0	0			Snow	
Fayette County	Snow	accumulation	s of 2 to 4 inc	hes were measu	irea.					
Pax to Montgomery	20 21	2000ES 0600ES			0	0	12K		Flash Flood	
Kanawha County Montgomery to Clendenin	20 21	2000ES 0600ES			0	0	15K		Flash Flood	
Roane County	•				~	~				
Countywide	20 21	2030ES 0500ES			0	0	5K		Flash Flood	
Braxton County Centralia	20	2100ES 2330ES			0	0	5K		Flash Flood	
Webster County Camden On Gauley to Guardian	20	2100ES 2330ES			0	0	5K		Flash Flood	

		Time Local/	Path Longth	Path	Number Persor		Estimated		March 1998
Location	Date	Standard	Length (Miles)	Width (Yards)		is Injured	Damage Property Crops	Character of Storm	
WEST VIRGINIA, W	est								
Mcdowell County Countywide	20 21 Rains of	<b>2330EST</b> <b>0600EST</b> f 1.5 to 2 inc		separate periods,	<b>0</b> fell on a satu	0 arated gro	<b>15K</b> und over a 24 hour	Flash Flood	t of rain caused
	minor fl Big San in Kana	ooding on nu dy, Spring, a	umerous smal nd Reedy Cre The headw	ll streams and cre eeks in Roane Co	eeks. Many so ounty, Armstro	econdary ong and P	roads were closed. S aint Creeks in Fayette ell County rose to 12	ome of the affected s county, plus Blue a	streams included nd Kelly Creeks
WVZ005>011- 013>020-024>040- 046>047	Calhou - Mcdo 26 31	n - Ritchie well - Wyc 1200EST 2100EST	e - Doddrid oming - Ral	ge - Mingo - I leigh - Fayette	Logan - Boo - Nicholas 0	ne - Cla - Webst 0	- Lincoln - Putna y - Braxton - Giln er - Upshur - Bar	ner - Lewis - Har bour - Pocahonta Record Warmt	rison - Taylor s - Randolph h
	30th and the new	l 31st. After spring veget	noon tempera		e 80s for the le		vs, The warmest read with 70s across the n		
WISCONSIN, Extrem	e South	<u>iwest</u>							
WISCONSIN, Northe		REPORTED							
WIZ013-021>022-031-						ge - Wa	upaca - Outagami	ie - Brown - Kewa	unee -
035>040-045-048>050	08	0600CST		alumet - Mani	towoc 0	0		Winter Storm	
	fell in c drifting.	entral Wisco The strong	brought heavy onsin. Waut winds blew i	oma (Waushara	co.) reported vered tree limb	11.0 inc bs onto po	nd northeast Wiscons hes. Winds gusting ower lines, resulting i	above 30 mph cau	sed considerable
WIZ013-021>022- 038>040-048>050				-			- Winnebago - Ca	lumet - Manitow	oc
	09	0600CST 2200CST			0	0	15K	High Wind	
WIZ031-036>037-045	Shawa 09		ge - Waupa	ca - Waushara	a 0	0		Strong Wind	
	Official mph in knocked	wind gusts r Oshkosh (W I some powe	eached 61 mj innebago co.	ph in Gills Rock ). An unofficial and blew tree li	(Door co.), 45 l gust of 55 n	5 mph in 0 nph was 1	neast and central Wis Green Bay, 49 mph in reported in Appleton causing power outag	n Manitowoc (Manito (Outagamie co.). T	owoc co.) and 46 The strong winds
WIZ005	Vilas 13	0400CST 2300CST			0	0		Heavy Snow	
				n and central Wis ake Superior. Pr			ut the heaviest totals inches.	fell in the far north-c	entral part of the
WIZ010>013-018>022- 030>031-035>036	Oneida		Florence -	-	-		Menominee - Oco	onto - Door - Mar	athon -
	snow, b	eginning on	ter storm affe the 17th. Te		corded in Wa	usau (Ma	A prolonged storm dro rathon co.) and 9.0 in red.		
Waushara County Plainfield	29	1005CST			0	0		Hail (0.75)	
Portage County Bancroft Waushara County	29	1055CST			0	0		Hail (0.88)	
10 W Wild Rose	29	1100CST			0	0		Hail (1.75)	

	2 2					cath	er r nenon		
		Time	Path	Path	Numbe	er of	Estimated		March 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Perso: Killed	ns Injured	Damage Property Crops	Character of Storm	
WISCONSIN, North	neast								
Waushara County Wautoma	29	1108CST			0	0		Heil (0.75)	
Portage County	29	1106051			U	U		Hail (0.75)	
8 S Amherst	29	1110CST			0	0		Hail (0.75)	
Waushara County 2 SW Wild Rose	29	1110CST			0	1		Hail (1.75)	
Waushara County West Bloomfield	29	1129CST			0	0		Hail (1.75)	
Waupaca County Fremont	29	1140CST			0	0		Hail (1.75)	
Shawano County									
Shawano Winneha Garata	29	1149CST			0	1		Lightning	
Winnebago County Winchester	29	1149CST			0	0		Hail (2.00)	
Winnebago County Menasha	29	1200CST			0	0		Hail (1.50)	
Outagamie County 3 W Appleton	29	1203CST			0	0		Hail (2.00)	
Calumet County	20	1010000			0	0		TT 11 (1 <b>55</b> )	
Appleton Outagamie County	29	1210CST			0	0		Hail (1.75)	
1 W Appleton to Appleton	29	1210CST 1212CST			0	0		Hail (2.50)	
Outagamie County									
Darboy	29	1215CST			0	0		Hail (1.00)	
Calumet County St John	29	1225CST			0	0		Hail (4.00)	
Brown County 3 E Wrightstown	29	1240CST			0	0		Hail (2.75)	
Brown County Greenleaf	29	1245CST			0	0		Hail (2.75)	
Wood County Pittsville	29	1254CST			0	0		Hail (0.75)	
Manitowoc County									
Cooperstown Wood County	29	1305CST			0	0		Hail (0.75)	
Vesper	29	1305CST			0	0		Hail (1.00)	
Kewaunee County	20	1210057			0	0		H-9 (1 00)	
Norman Shawano County	29	1310CST			0	0		Hail (1.00)	
Tilleda Monominos (C)	29	1425CST			0	0		Hail (0.75)	
Menominee (C) Keshena	29	1432CST			0	0		Hail (0.75)	
Oconto County Gillett	29	1452CST			0	0		Hail (1.75)	
<b>Oconto County</b>	29	1512CST			0	0			
1 S Lena Oconto County	47	1512051			U	U		Hail (1.75)	
1 N Oconto	29	1515CST			0	1		Hail (2.75)	
Marinette County 6 SE Peshtigo	29	1535CST			0	0		Hail (0.88)	
Door County Baileys Harbor	<b>29</b> Two p	1605CST prolific hail-prod	ucing thunde	erstorms droppe	<b>0</b> d hail as large	0 e as basel	balls and grapefruits a	Hail (0.75) cross parts of centra	l and east-central

Two prolific hail-producing thunderstorms dropped hail as large as baseballs and grapefruits across parts of central and east-central Wisconsin during the late morning and afternoon of March 29. It was the worst hailstorm ever, in terms of damage, to strike the Appleton area. A car dealership in Appleton reported damage to over 1000 cars on the lot. Insurance companies reported over 3000

		Time	Path	Path	Number		Estimated		March 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Person Killed	s Injured	Damage Property Crops	Character of Storm	
WISCONSIN, North	east					-			
	vehicle property of year,	from the storr cash crop dam	ns in Waushara age was minim	a, Winnebag al. An elder	o, Outagamie, ly women nea	Brown a r Wild R	amage to more than 1 and Calumet counties Rose (Waushara co.) v Oconto (Oconto co.) w	topped \$10 million. vas injured by golfba	Due to the time all-size hail when
		70 percent of					heir back yard, tendin m him and was knoc		
Lincoln County 3 W Tomahawk to 3 N Tomahawk	29	1928CST 1935CST	4.5	75	0	0	15K	Tornado (F0)	
Lincoln County Tomahawk	29	1942CST			0	0	15K	Thunderstorn	n Wind (G61)
Oneida County Harshaw	29	1945CST			0	0		Thunderstorn	n Wind (G57)
Lincoln County Tomahawk	29	1947CST			0	0		Hail (1.25)	
Oneida County 1 W Rhinelander to Rhinelander	29	1957CST 2000CST			0	0		Hail (0.88)	
Kinicianuci	March 2 tornado	thunderstorm j 9. Hundreds o	f trees were bl al sheds, garag	own down by es and a pole	y straight line building west	winds, ca	ado across north-cent ausing minor roof dan ahawk (Lincoln co.).	nage to several struc	tures. The weak
WIZ039	Brown 31	1900CST 2359CST			0	0		Flood	
							ove flood stage late o t no damage was repo		ooding continued
WISCONSIN, North		у Арпі. 11000	ing was comm	ed to areas a		licek, bu	t no damage was repo	ntea.	
WIZ004	Iron								
	10 11 A very 1	0700CST 0700CST ocalized lake e	ffect snow ever	nt dropped 1	0 5 inches of nex	0 v snow o	on Gurney. Surroundir	Heavy Snow	nches or less
WIZ003>004	•	nd - Iron 2045CST		n alopped 1	0	0		Heavy Snow	
	•	0545CST ake effect snov received 8 incl		ow belt of A	shland and Irc	on Count	ies. The largest amou	-	inches in Upson.
WIZ004	Iron 14	1015CST			0	0		Heavy Snow	
	Heavy	1545CST ake effect snow	fell over north	ern Iron Co	unty with Save	on report	ing 18 inches		
WISCONSIN, South	•	ake effect show	Ten över höru		inty, with bax	JII Teport	ing to menes.		
WIZ046>047-056>058 062>063-067>068		iette - Green	Lake - Sauk	- Columb	ia - Dodge -	Iowa -	Dane - Lafayette -	Green	
	08	0400CST			0	0		Winter Storm	
	The con mile and there we Interstat	nbination of he d created huge ere probably 80 e 90/94 and St	avy, wet snow drifts of 8 to 1 00 motor vehic ate Highway 5	, and northe 5 feet in are le accidents, 1 north of M	ast winds gust eas west and s dozens of top fadison were o	ing to 40 outhwest opled pov closed at	arts of southcentral an 1 to 50 mph, reduced t of Madison (Dane C wer lines, many scho- t the height of the sto commercial activities	visibilities occasion Co.). Based on new ol closings, and ma rm during the aftern	ally to below 1/4 spaper accounts, ny road closures. loon and evening
							nd northcentral Dane lumbia counties; 9 to		

Specific snowfall totals include: 10.5 inches in northeast Iowa county and northcentral Dane Co.; 10.2 inches at Middleton (Dane Co.); 10 inches in northwest Lafayette, southern Sauk, and southern Columbia counties; 9 to 10 inches in the northern portions of Marquette and Green Lake counties; 7 to 8 inches in westcentral Dodge and northwest Green counties; and 7.3 inches at the Madison/Dane County Regional Airport.

	S	torm I	Data ai	nd Unu	sual W	eath	er Pheno	mena				
Location	Date	Time Local/	Path Length	Path Width	Number Persor	18	Estimated Damage	~	March 1998			
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property Crops	Character of Storm				
WISCONSIN, Southea	<u>ast</u>											
	recurv		gh northwest	Ohio. Copious				t Colorado to northeast Tavailable for the storm (d				
WIZ051>052-059>060-	Fond	Du Lac - Sl	neboygan -	Washington	- Ozaukee - J	lefferso	on - Waukesha - I	Milwaukee - Rock - Y	Walworth -			
064>066-069>072	Racir 08 09	ne - Kenosha 1800CST 1000CST	ſ		0	0	215K	High Wind				
	power part of of She Shebo electric winds in the many of off a b of 64 r Racine on the 34,000 closed chunks on an Racine	werful winds, gusting to 64 mph, raked parts of eastcentral and southeast Wisconsin, resulting in many cases of toppled trees and owerlines, as well as some structural damage. In addition, snow accumulations of 1 to 5 inches occurred. The high winds were art of the winter storm system which left 10 to 12 inches of snow over southwest, southcentral and central Wisconsin. In the city f Sheboygan, the winds blew over a 16 foot by 16 foot construction wall. In addition, large tree branches fell on a couple cars in heboygan. In Fond du Lac, Ozaukee, Jefferson, Waukesha, and Milwaukee counties, about 6,000 customers were without lectrical power after the high winds toppled large trees or tree branches onto power lines. In Hartford (Washington Co.), the high vinds knocked large trees branches on to a home's roof and totaled a parked car. The high winds pushed large trees onto two homes a the Lake Geneva (Walworth Co.) area. One sustained moderate damage, while the other one had minor damage. There were nany other reports of uprooted trees and downed power lines in Walworth county. In addition, the winds peeled a piece of plywood ff a building in Deavan (Walworth Co.). It was the same story in Rock county with regards to trees and powerlines. A peak gust f 64 mph was registered at the Rock County Airport (JVL). Accine and Kenosha counties appeared to suffer the wrath of the storm more so than other counties. Groaning winds (up to 58 mph n the Racine lakefront) combined with snow and sleet to bring down many trees and powerlines across the two counties. Nearly 4,000 custormers were without electrical service or heat on the 9th. Some schools, factories, and government facilities were also losed. Huge waves of 10 to 12 feet pounded the lakeshore areas, resulting in beach/shoreline erosion. Also, large rocks and ice hunks were pushed by the waves onto nearby roads. The high winds even pushed a Racine police squad car sideways several feet n an icy road. At least 400 motor vehicle accidents were reported in these two counti										
WIZ051-066-071>072	Fond 26			Racine - Ker	iosha 0	0		<b>Record Warmth</b>				
	The co across of 72 s of 76, Octobe	parts of south set in 1968. Th while in Keno er 13, 1997. I	f sunshine and east and east e city of Fond osha, a max of n addition, M	central Wiscons d du Lac peaked f 74 broke the d ilwaukee set a	t winds of 15 t in. Milwaukee d at 72 degrees, old record of 72 new record hig	o 30 mp Mitchel breaking 2. This v h minim	Il Field peaked at 75 g the old on of 70 se was the first time thi um of 57 at 0640 C	t in 1968. Racine also so s part of the state was in ST on the 26th, breaking he next day, March 27th	v record levels old daily record et a new record the 70s since the old record			
Dane County												
Madison	30 31	0600CST 1200CST			0	0		Urban/Sml Strea	am Fld			
Green County Monticello	30 31	0600CST 1200CST			0	0		Urban/Sml Strea	am Fld			
Iowa County	51	1200001	L									
Dodgeville	30 31	0600CST 1200CST			0	0	10K	Urban/Sml Strea	am Fld			
Lafayette County			_									
Calamine	30 31	0600CST 1200CST			0	0		Urban/Sml Strea	am Fld			
Sauk County												
1 NE Hillpt to 4 E Baraboo	30 31	0600CST 1200CST			0	0		Urban/Sml Strea	am Fld			
Sheboygan County 4 N Johnsonville to Sheboygan	30 31	0600CST 1200CST			0	0		Urban/Sml Strea	am Fld			
Sheboygan County 1 NW Elkhart Lake	30	1810CS	ſ		0	0		Hail (1.00)				
Sheboygan County 1.3 S Hingham	30	1815CST	ſ		0	0		Hail (0.75)				

T	Det	Time Local/	Path Length	Path Width	Number Persor		Estimated Damage	March 1998
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property Crops	Character of Storm
WISCONSIN, Souther	<u>ast</u>							
Washington County	20	1010/07			0	0		II 'I (1 00)
Kewaskum	over so the stor	uthcentral, so ms occurred	and thunderstoutheast, and e between 1500	astcentral Wisc	consin, resultin CST on the 30	g in scat th. The	tered reports of urban	Hail (1.00) a diameter) on already saturated soil and small stream flooding. Most o e when they deposited large hail at
	0600CS Dodgev Dells (9	ST on the 31st ville (Iowa Co Columbia Co.	t were about 4 .), 3.6 inches ), 3.1 inches	inches north in Portage (Co	of Johnsonville olumbia Co.), 3 c (Fond du La	(Sheboy 3.5 inche ac Co.), a	ygan Co.), 3.8 inches es in Sheboygan (Sheb	als between 0600CST on the 30th t in Baraboo (Sauk Co.), 3.7 inches in boygan Co.), 3.4 inches in Wisconsin adison (Dane Co.). Totals of 2 to
	30th as banks. were in Observ white v Ferndal to high Narrow in Bara Johnson and cau	thunderstorm Some homes npassable as ed rainfall rativith small hail le Rd. north of water levels 's Creek and a boo. A few nville (Sheboy using the entire	is rolled throu and one busin water filled a es were as mut in the Dodge f Calamine, ar at the junctio long the Bara motorists got rgan Co.), the e system to sh	igh the city. I ness in Montico rea streets. A tich as 1 inch ir eville area. Ris ad County H ne on of Narrows boo River from stuck in high heavy rains flo	cowlands flood ello reported m couple gravel a 10 minutes in sing waters on ear Blanchardv Creek and the n Reedsburg (S waters on Higl oded the camp then resulted in	ed east of inor floo roads n southwe the Peca ille. We Barabo auk Co.) way 15- us waste n a sewag	of Monticello (Green oding in basements. S lear Dodgeville had v est Iowa county near l tonica River in Lafay st of Rock Springs (Sa o River. Lowland fl ) to east of the city of 4 west of Rock Sprin water treatment buildi ge backup problem, ar	butages during the evening of Marc Co.) as the Little Sugar river left in Some roads in Dodgeville (Iowa Co. vashouts due to the flooding water: Livingston. The ground was covere ette county resulted in the closure o auk Co.), some roads were closed du ooding was reported along much o Baraboo. Manhole covers "popped gs. At Lakeland College north o ng, submerged the pumps and motor dd classes were cancelled for one day
	exceed water le	ed them by 1	to 3 feet due t d at or near fl	to the March 3 ood stage from	0-31 heavy rai	ns on top	o of saturated soils. A	Wisconsin rose to bankfull levels of lthough flooding was rated as mino n fact, at some scattered spots, wate
WISCONSIN, Southw	est							
WIZ043>044-053>055-	Junea	u - Adams -	Vernon - C	Crawford - R	ichland - Gr	ant		
061	00	0 <b>=</b> 00.007			0	0		<b>***</b>
	08	0500CST 2100CST			0	0		Winter Storm
		inches of sno	w was commo				as along and south of poility to near zero at tir	the Wisconsin River. The deep snow nes.
WIZ017	Taylo	r					-	
	18	0100CST 2200CST			0	0		Winter Storm
	6 to 8 i			ledford and po	ints east and so	outh. Stro	ong winds accompanyi	ing the snow created 2 to 3 foot drifts
Juneau County New Miner	29	1018CST			0	0		Hail (1.75)
Adams County	20	1027087			0	0	01/	Thundonstorm Wind (C52)

Adams County						
3 S New Rome	29	1027CST	0	0	8K	Thunderstorm Wind (G52)
Adams County						
New Rome	29	1030CST	0	0	100K	Hail (1.75)
Taylor County						
Lublin	29	1356CST	0	0		Hail (0.75)
Taylor County						
Medford	29	1418CST	0	0	15K	Hail (1.00)
Taylor County						
Medford	29	1430CST	0	0		Hail (0.75)
<b>Buffalo County</b>						
Cochrane	29	1435CST	0	0	10K	Hail (1.50)

		Time	Path	Path	Numbe		Estimated	March 1998
Location	Date	Local/ Standard	Length (Miles)	Width (Yards)	Perso Killed	ns Injured	Damage Property Crops	Character of Storm
WISCONSIN, Southy	vest							
La Crosse County	20	1505000			0	0	1077	<b>II</b> (1.00)
Barre Mills Trempealeau County	29	1505CST			0	0	10K	Hail (1.00)
Osseo Buffalo County	29	1510CST			0	0		Hail (0.75)
Alma	29	1651CST			0	0		Hail (0.75)
Buffalo County Nelson	29	1700CST			0	0		Hail (0.75)
<b>Buffalo County</b>								
1 S Maxville to 5 E Maxville	29	1715CST 1720CST	4	50	0	0		Tornado (F0)
Clark County 3 W Thorp		<b>1915CST</b> to golf ball size ille, but no injuri			0 n spotters an	0 nd law en	forcement officials. A	Hail (0.75) A tornado touched down briefly near
Grant County	20				0	0		
Glenhaven	30	1407CST			0	0		Hail (0.75)
Grant County 5 S Lancaster	30	1520CST			0	0		Hail (1.75)
Grant County								
3 W Livingston	30	1842CST			0	0		Hail (0.75)
Grant County Muscoda	30	1745CST 1955CST			0	0	2K	Urban/Sml Stream Fld
<b>Richland County</b>		1700051						
Richland Center to 10 S Richland Center	<b>30</b> 3 inch	1745CST 1955CST les of rain in a d	couple of ho	urs caused mu	0 d slides and	0 small str	reams to overflow the	Urban/Sml Stream Fld ir banks. A charter bus carrying the
	Unive	rsity of Wisconsi	in Band susta	ined minor dar	nage when it	hit a muo	d slide on Highway 60	near Muscoda.
WISCONSIN, West								
Pierce County Ellsworth	<b>29</b> Hail c	1540CST overed the grour	nd.		0	0		Hail (0.75)
St. Croix County		8						
Woodville	29	1604CST			0	0		Hail (0.75)
Dunn County	•	1 (20 CGT			0	0		
Boyceville Pepin County	29	1630CST			0	0		Hail (1.00)
Durand Eau Claire County	29	1723CST			0	0		Hail (0.75)
10 SW Eau Claire	29	1734CST			0	0		Hail (0.75)
Pepin County 12 E Durand	<b>29</b> Barn l	1735CST blown down. Es	timated wind	speed.	0	0		Thunderstorm Wind (G50)
Eau Claire County Eau Claire	29	1753CST		speed	0	0		Hail (1.75)
Pierce County 13 E Ellsworth	29	1755CST			0	0		Hail (1.00)
Chippewa County Chippewa Falls	29	1800CST			0	0		Hail (0.75)
<b>Chippewa County</b>								
Chippewa Falls	29 Autor	1805CST nobiles damaged			0	0		Hail (1.75)
Chippewa County 2 SE Chippewa Falls	<b>29</b> Motel	1805CST fire caused by li	ghtning.		0	0		Lightning

	St	torm 1	Data ar	nd Unu	sual We	eath	er Pheno	mena	
	D	Time Local/	Path Length	Path Width	Number Persons		Estimated Damage		March 1998
Location	Date	Standard	(Miles)	(Yards)	Killed I	njured	Property Crops	Character of Storm	
WISCONSIN, West									
Chippewa County Stanley	29	1805CS	Г		0	0		Hail (0.75)	
Chippewa County Jim Falls	29	1810CS			0	0		Hail (1.25)	
WYOMING, Central	and W								
WYZ005-009-026	03 04 Heavy s the Big	2200MS 1600MS snow and co	T T nsiderable blov ains. Schools o	ving and driftin	0 ng over central a	0 and south		s Winter Storm Big Horn Basin and w in parts of the Basin	western slopes o
WYZ008>009-	Owl C	reek Mou	ntains - Sout	h Big Horn	Basin - Lande	er Foot	hills - Wind Riv	er Basin - Green M	/Iountains -
012>014-022>023	Rock \$ 17 18	Springs/Gr 1600MS 1500MS		Red Desert	0	0		Winter Storm	L
	Heavy s Fremon outages	snow, consid t, Hot Spring	erable blowing and Sweetw of Fremont Co	ater Counties. I	First time some s	schools h	ad been closed for	ng. Schools, businesse many years in Fremo ater County, with I-8	nt County. Powe
WYZ004-008>009- 011>013-015>016-018			n - Natrona		South Big Ho - Kemmerer 0		in - Wind River	Mtns East - Land Heavy Snow	er Foothills -
<u>WYOMING, North C</u> WYZ099	<u>entral</u> Sherid 28	REPORTEI	ls T		0	0		Heavy Snow	
			ing storm dun	nped heavy sno orts of 4 to 6 in		neridan F	Foothills from the r	norning of March 28	to the evening of
WYOMING, Northea	<u>st</u>								
WYZ054-056>057	Gillett 04	e - Moorcı 0400MS 1600MS	Т	ing Black Hi	lls 0	0		Heavy Snow	
		y snow even	t occurred duri	ng the early m Wyoming Blacl	0	moon ho	urs resulting in sno	w amounts of five to	eight inches ove
WYZ054>058	Gillett 28 29	e - South ( 1000MS 1800MS	Т	/loorcroft - V	Vyoming Blac 0	ck Hills 0	- Weston	Winter Storm	L
							vet snow over north s were common.	east Wyoming. The l	neaviest snow fel
WYOMING, Southea		nuar campoe	n county, arou	nu onneue wik	ie 12 men aceu	mulation	s were common.		
WYZ059>063-067		rse - Niobi 0500MS		west Carbon	- North Carl 0	bon - Si 19	nowy Range - Pl 65K 0	atte Winter Storm	L
	and Ha	nna, and 8 bile accident	cted parts of s inches of snov	wfall was repo	rted across Plat	te county	. The Wyoming	reported in Rawlins, Highway Patrol recei without injuries betw	ved 19 reports of
WYZ061-063-066	South 18	west Carbo 0600MS 1600MS	Т	Range - Lara	mie Range 0	0	0 0	Winter Storm	L

		Time Local/	Path Length	Path Width		ber of sons	Estim Dam			March 1998
Location	Date	Standard	(Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	
WYOMING, Southea	ist									
<u>w y Owiing, Southea</u>	A win			southeast mour rea recieved 13			Range and	the Lara	mie range recieving	8 inches of new

ST	ORM DAMAGE CATEGORIES	<b>REFERENCE NOTES</b>	
1	Less than \$50	0 / Blank	None reported.
2	\$50 to \$500	*	Miles instead of yards.
3	\$500 to \$5,000	**	Yards instead of miles.
4	\$5,000 to \$50,000	@	Includes heavy sleet storm.
5	\$50,000 to \$500,000	#	Freezing drizzle and freezing
6	\$500,000 to \$5 Million		rain, commonly known as glaze.
7	\$5 Million to \$50 Million	=	Report incomplete.
8	\$50 Million to \$500 Million	= =	Report not received.
9	\$500 Million to \$5 Billion	o/c	Indicates Crop Damage amount is included in the value give for property damage.

When reports are not received or are incomplete, the Storm Summary National Death and Injury totals may also be incomplete.

#### Definition of Fujita Tornado Scale (F Scale)

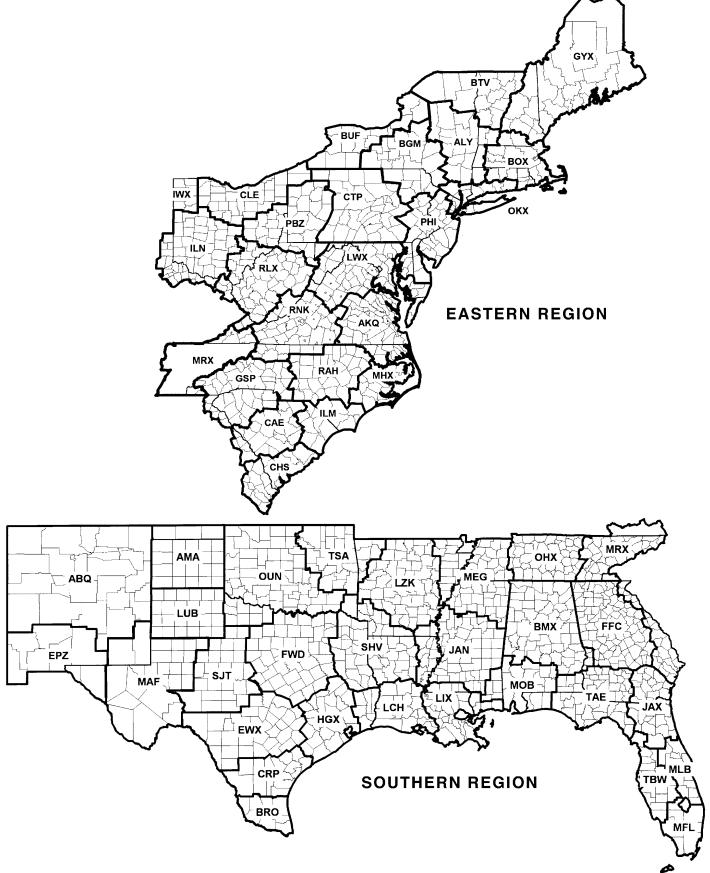
- (F0) Gale tornado (40-72 mph) : Light damage; Some damage to chimneys; break branches off trees; push over shallow-rooted trees; signs and billboards damaged.
- (F1) Moderate tornado (73-112 mph): Moderate damage; The lower limit (73 mph) is the beginning of hurricane wind speed; peel surface off roofs; mobile homes pushed off foundations or overturned; moving autos pushed off the roads.
- (F2) Significant tornado (113-157 mph): Considerable damage; Roofs torn from frame houses; mobile homes demolished; boxcars pushed over; large trees snapped or uprooted; light-object missiles generated.
- (F3) Severe tornado (158-206 mph): Severe damage; Roofs and some walls torn from well-constructed houses; trains overturned; most trees in forest uprooted; heavy cars lifted off ground and thrown.
- (F4) Devastating tornado (207-260 mph): Devastating damage; Well-constructed houses leveled; structure with weak foundations blown off some distance; cars thrown and large missiles generated.
- (F5) Incredible tornado (261-318 mph): Incredible damage; Strong frame houses lifted from foundation and carried considerable distance to disintegrate; automobile-sized missiles fly through the air in excess of 100 meters; trees debarked; incredible phenomena will occur.
- (F6-F12) (319 mph to Mach 1, the speed of sound): The maximum wind speeds of tornadoes are not expected to reach the F6 wind speeds.

(F0+F1) Weak Tornado (F2+F3) Strong Tornado (F4+F5) Violent Tornado

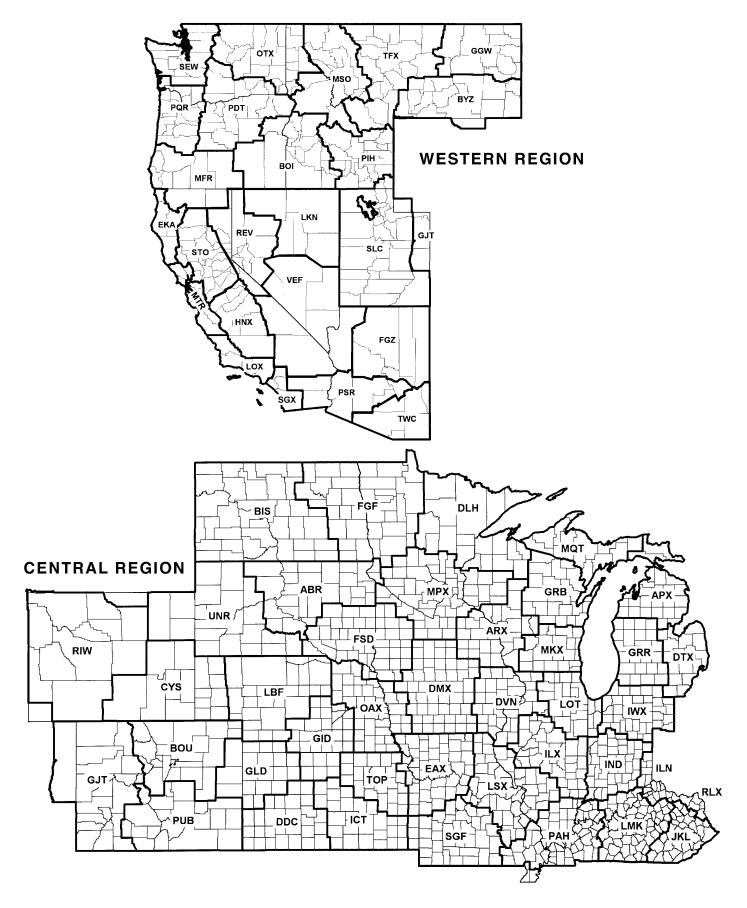
From J. Atmos. Sci., August 1981, p. 1517-1519



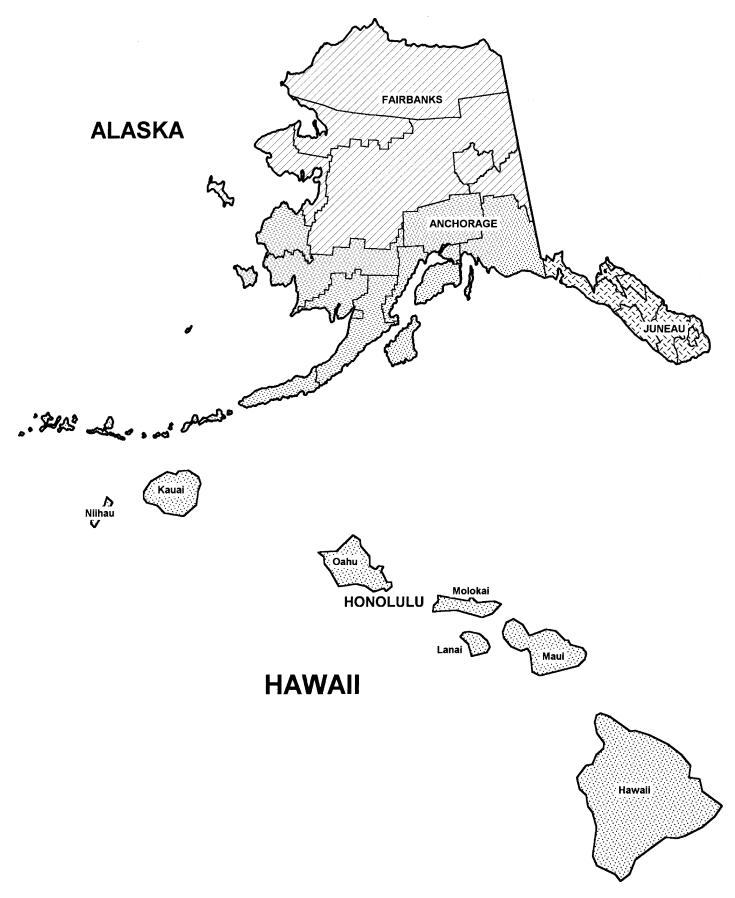
**COUNTY WARNING & FORECAST AREAS - MODERNIZED NWS** 



#### **COUNTY WARNING & FORECAST AREAS - MODERNIZED NWS**



# **MODERNIZED COUNTY WARNING AREAS**



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